



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety Administration**

1200 New Jersey Avenue, S.E.  
Washington, D.C. 20590

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OPA-90  
FRP

Linden, NJ  
OPA-90 Facility Response Plan



CITGO Petroleum Corporation  
Linden, NJ  
OPA-90 Facility Response Plan







**CITGO Petroleum Corporation**  
Linden, NJ

OPA-90 Facility Response Plan

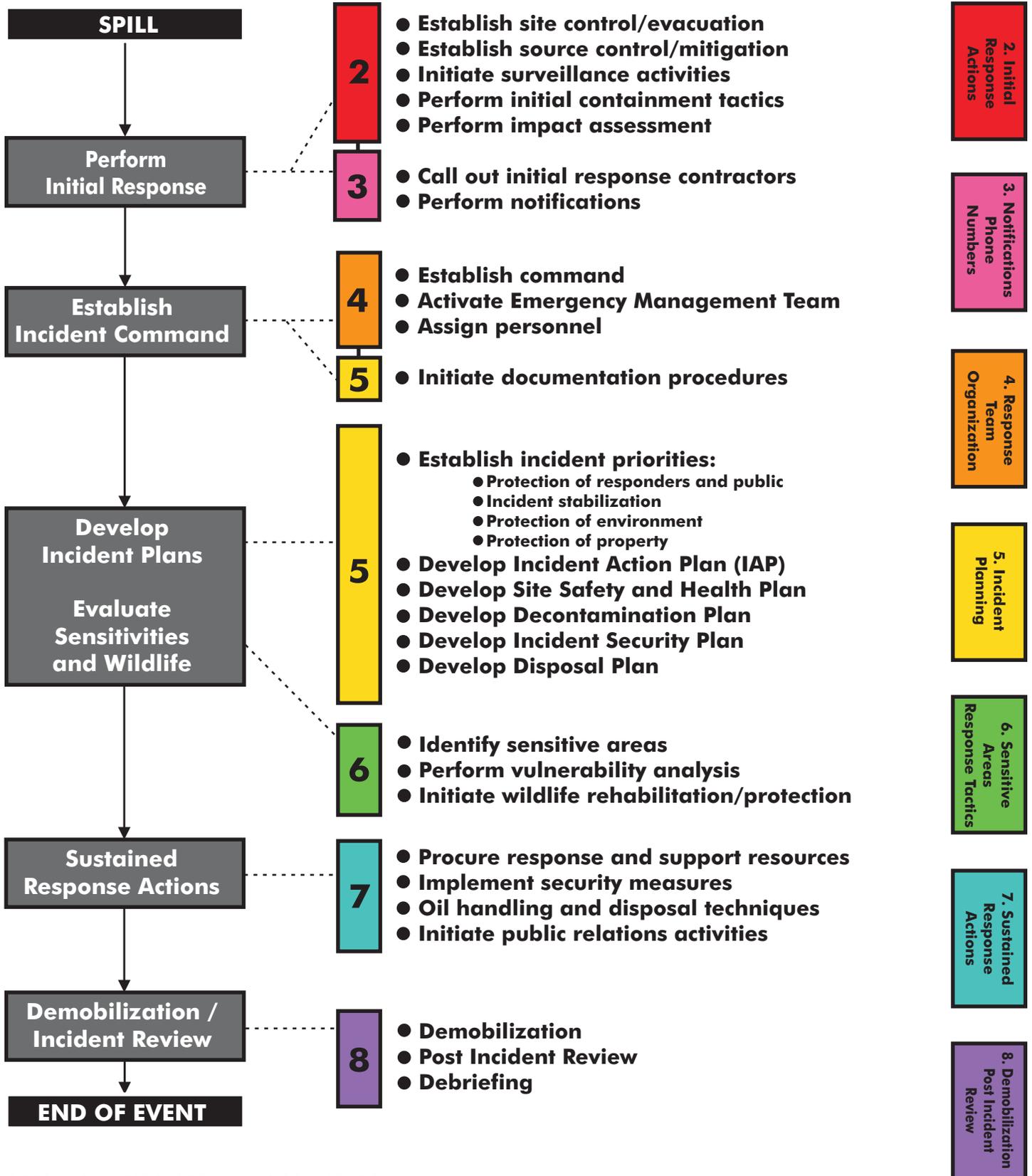
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# Response Procedures Flow Chart



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## SECTION 1

Last revised: June 17, 2013

**INTRODUCTION**

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Figure 1-1 - Distribution ListFigure 1-2 - **Linden** Information SummaryFigure 1-3 - **Facility** Area MapFigure 1-4 - Facility PhotographFigure 1-5 - Facility Site Plan**Figure 1-6 - Pipeline Overview**1.1 Purpose / Scope of Plan1.2 Plan Review and Update Procedure1.3 Certification of Adequate Resources1.4 Agency Submittal / Approval Letters

FIGURE 1-1 - DISTRIBUTION LIST

PLAN HOLDER	ADDRESS	NUMBER OF COPIES			
		PAPER	DISTRIBUTION DATE	ELECTRONIC	DISTRIBUTION DATE
Linden Terminal	4801 South Wood Avenue Linden, NJ 07036	1		0	
U.S. EPA Region II (MS211) FRP Coordinator Attn: Doug Kodama	2890 Woodbridge Avenue Building 209 Edison, NJ 08837-3679	1		0	

FIGURE 1-2 - LINDEN INFORMATION SUMMARY

<b>Owner/Operator:</b>	CITGO Petroleum Corporation 1293 Eldridge Parkway Houston, TX 77077
<b>Owner Telephone:</b>	(832) 486-4000
<b>Facility Name:</b>	Linden
<b>Facility Address:</b>	4801 South Wood Avenue Linden, NJ 07036
<b>Facility Latitude/Longitude:</b>	(b) (7)(F), (b) (3)
<b>Facility Telephone/Fax:</b>	(908) 862-3300 / (908) 862-6355
<b>Facility FRP #:</b>	FRP0200048 (NJD000691170)
<b>PHMSA Sequence #:</b>	1060
<b>Description of Facility:</b>	The terminal is a bulk petroleum storage and transfer facility situated on two noncontiguous parcels of property with a total area of approximately 220 acres. The facility is located north of the Rahway River and on the west shore of the Arthur Kill in Linden, New Jersey. The larger parcel is located west of the New Jersey Turnpike, (I-95), and is referred to as the Tremley Tank Farm. The smaller parcel is located on the Arthur Kill and is referred to as Warner's Tank Farm. The facility office and docks are located in Warner's Tank farm. Warner's Tank farm is bordered by the Rahway River to the west, the

Arthur Kill to the east, Cytec to the south, and Conoco Phillips Tremley Point to the north.

The area in which these facilities are located is heavily industrialized. The Arthur Kill and Rahway River are tidal rivers. The Arthur Kill is a high volume commercial marine traffic route.

The site was first developed for industrial use around 1920 as a petroleum refinery. The refinery operated on the eastern end of what is now the Warner Tank farm.

Principal facility components include:

- Transfer pipelines to storage tanks.
- Aboveground storage tanks encompassed by secondary containment dikes.
- Truck transfer loading rack and associated transfer pipelines from storage tanks.
- Marine dock on the Arthur Kill.

Surrounding land use consists of a mix of commercial and industrial developments.

Product stored and handled in bulk quantities is #2 fuel oil, kerosene, diesel, ethanol and gasoline. All products are classified as "Group I - Non-persistent" petroleum based oils according to USCG and USEPA definition (i.e., at least 50% distillation by volume at 340 C, and at least 95% distillation by volume at 370 C).

Three fully equipped barge berths and one ships berth for loading and unloading vessels located on the right descending shore of the Arthur Kill on Tremley Point.

**FIGURE 1-2 - LINDEN INFORMATION SUMMARY, CONTINUED**

Qualified Individuals: (Refer to <b>APPENDIX H</b> for QI Training Records) (Refer to <b>FIGURE 3.1-3</b> for response times)	Facility		
	Name and Contact Information	Work Address	Home Address
	Robert Keiser Terminal Manager Linden, NJ Terminal 3466 908-523-2303 (Office) (Home) 703-999-3921 (Mobile)	4801 South Wood Ave. Linden, NJ 07036	
	Don Paglia Assistant Terminal Manager	4801 South Wood	

	logistics 908-523-2315 (Office) (b) (6)	Avenue Linden, NJ 07036	
	732-896-7274 (Mobile) none (Pager)		
	<b>Business Unit</b>		
	<b>Name and Contact Information</b>	<b>Work Address</b>	<b>Home Address</b>
	Jeffrey Bonnette General Manager Health, Safety & Environmental Protection Qualified Individual (832) 486-1528 (Office) (337) 515-0510 (Mobile)	1293 Eldridge Parkway Houston, TX 77077	(b) (6)
Tom Fanning Marine Tech Services Mgr. QI; Planning Section 832-486-1558 (Office) (b) (6) 281-221-2874 (Mobile)	1293 Eldridge Parkway Houston, TX 77077	(b) (6)	
Don Griffin Northeast EHSS Manager Incident Command (856) 963-1251 (Office) (b) (6) (609) 841-0399 (Mobile)	Foot of 36th & Delaware River Pennsauken, New Jersey 08110	(b) (6)	

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FIGURE 1-2 - LINDEN INFORMATION SUMMARY, CONTINUED

**Current (Day to Day) Operations****Bulk Petroleum Storage and Transfer**

The routine operations of the terminal are the movements of finished petroleum products, High sulfur fuel, Ultra Low sulfur fuel, Kerosene, Turbine fuel, gasoline's, ethanol, reformat, alykate, and raffinate. Each day the terminal is reviewed for leaks and containment integrity. All pipelines between the terminals are monitored for leak detection. All above ground product storage tanks have high level alarms. All additive tanks are manually gauged, and visually watched while filling.

The daily throughput does not change to any great degree. Gasoline products would be vacuumed if spilled on land. In the event gasoline was to enter the water ways it would be dispersed by tidal action and evaporation. In the event of a distillate spill it would both be contained and vacuumed up on land or water. On water it would be boomed prior to loading operations to decrease the potential hazard. Spill contractors would be called to further contain and clean up the product.

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**FIGURE 1-2 - LINDEN INFORMATION SUMMARY, CONTINUED**

<b>Line Sections/ Products Handled:</b> (Refer to Product Characteristic and Hazards, FIGURE D.9-1)	<b>SECTION</b>			<b>PRODUCTS</b>	
	TF			Jet Fuel	
	7/11			Gasoline	
	N/L			Gasoline	
	WEP			#2 Fuel Oil	
	ULSD			ULSD	
<b>Facility Data:</b> (See FIGURE C-1 for date and type of substantial expansion)	<b>Location (Address and County)</b>	<b>Hours of Operations/ Manning</b>	<b>Throughput</b>	<b>Date of Startup</b>	<b>Wellhead Protection Area</b>
	4801 South Wood Avenue Linden, Union, NJ 07036	The terminal is manned 24 hours per day, 7 days per week.	44,000 BPD	1920	N/A
<b>Description of Zone:</b>	The pipeline carries refined oil (including ) in the areas shown in <b>FIGURE 1-6</b>				
<b>Response Zone Consists of the Following Counties:</b>	Union				
<b>Alignment Maps (Piping, Plan Profiles):</b>	Maintained at:				
<b>Worst Case Discharge:</b>	(b) (7)(F), (b) (3)				
<b>Statement of Significant and Substantial Harm:</b>	The response zones in this system all contain pipelines greater than 6 5/8 inches and are longer than ten miles. At least one section of pipeline in each response zone crosses a major waterway or comes within five miles of a public drinking water intake. Therefore, in accordance with 49 CFR 194.103(c), each entire response zone described in this Plan will be treated as if expected to cause significant and substantial harm.				
<b>Spill Detection and Mitigation Procedures:</b>	Refer to <b>SECTION 2.1.1</b> , <b>APPENDIX D.2.1</b> and <b>APPENDIX D.3</b> .				
<b>Date Prepared:</b>					

The information contained in this Plan is intended to be used as guidelines for the spill responder. Actual circumstances will vary and will dictate the procedures to be followed, some of which may not be included in this manual.

NOTE: For further information on the Qualified Individuals' training and qualifications, refer to **SECTION 4.5** and **APPENDIX A.2** in this Plan.

**FIGURE 1-3 - FACILITY AREA MAP**

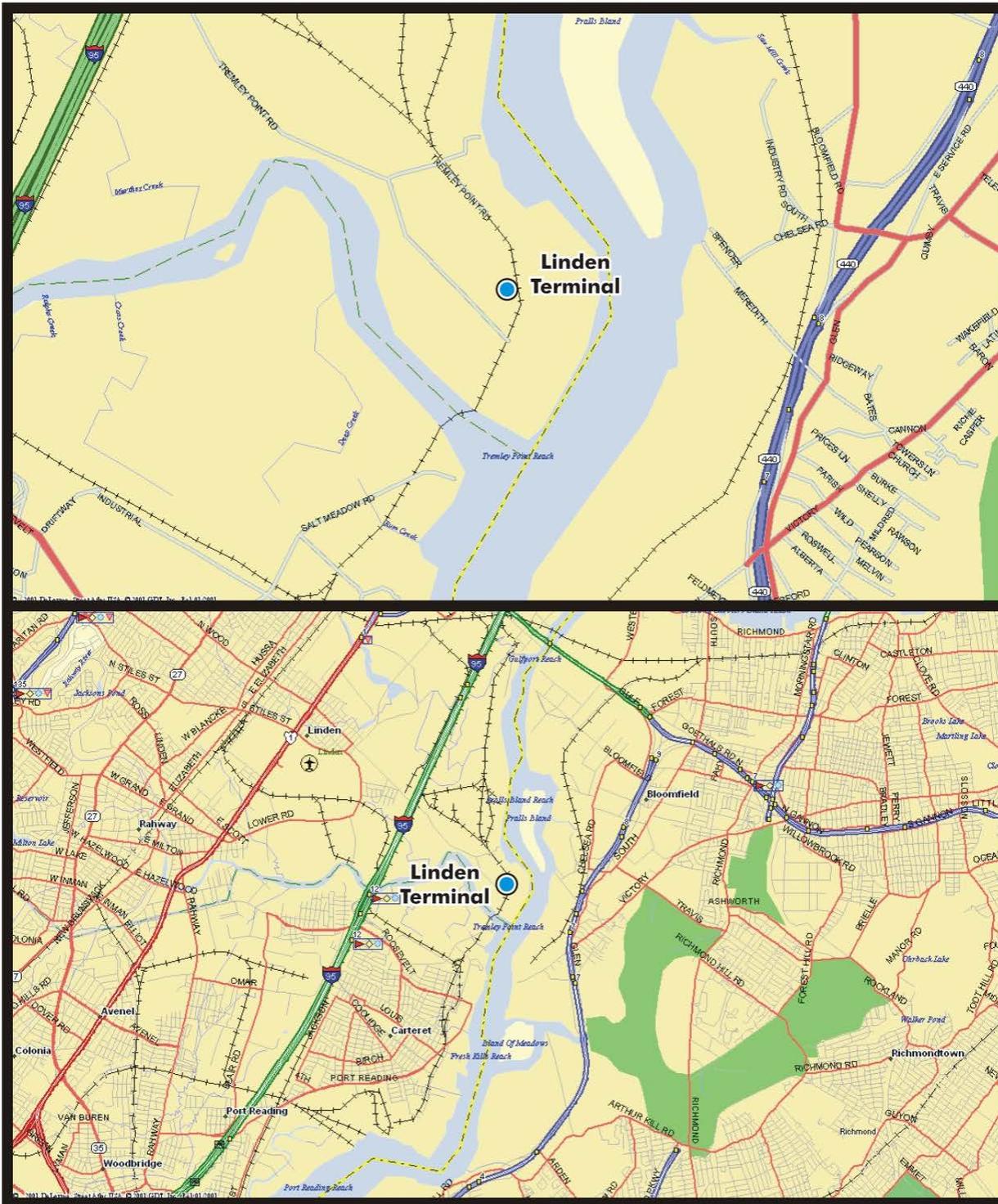


FIGURE 1-4 - FACILITY PHOTOGRAPH



**FIGURE 1-5 - FACILITY SITE PLAN**

**(Click here to view site plan.)**

**FIGURE 1-6 - PIPELINE OVERVIEW****(Click here for Pipeline System Overview)****Linden****Page 1 - 11****1.1 PURPOSE / SCOPE OF PLAN**

The purpose of this Spill Response Plan (Plan) is to provide guidelines to quickly, safely, and effectively respond to a spill. The Facility is owned and operated by CITGO Petroleum Corporation, herein referred to as "Company."

This Plan is intended to satisfy the requirements of the Oil Pollution Act of 1990 (OPA 90), and has been prepared in accordance with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and applicable Area Contingency Plans (ACP), EPA Region II Regional Contingency Plan. Specifically, this Plan is intended to satisfy:

- U.S. Environmental Protection Agency (EPA) requirements for an OPA 90 Plan (40 CFR 112.20)
- Pipeline and Hazardous Materials Safety Administration (PHMSA), U.S. Department of Transportation requirements for an OPA 90 Plan (49 CFR 194)
- Occupational Safety and Health Administration (OSHA) requirements for emergency response plans (EAP and ERP) (29 CFR 1910)

**Linden****Page 1 - 12****1.2 PLAN REVIEW AND UPDATE PROCEDURE**

In accordance with 49 CFR Part 194.121 and 40 CFR 112.20, this Plan will be reviewed annually and modified to address new or different operating conditions or information included in the Plan. In the event that the Company experiences a Worst Case Discharge the effectiveness of the plan will be evaluated and updated as necessary.

Upon review of the response plan for each five-year period, revisions will be submitted to PHMSA provided that changes to the current plan are needed, or a letter stating will be submitted to PHMSA stating that the plan is still current.

If new information or different operating conditions would substantially effect implementation of the Plan, the Company will modify the Plan to address such a change and, within 30 days of making such a change, submit the change to PHMSA. EPA must receive the changes within 60 days.

Examples of changes in operating conditions that would cause a significant change to the Plan include:

<b>CONDITIONS REQUIRING REVISIONS AND SUBMISSIONS</b>	<b>EPA</b>	<b>PHMSA</b>
Relocation or replacement of the transportation system in a way that substantially effects the information included in the Plan, such as a change to the Worst Case Discharge volume.	x	x
A change in the Facility's configuration that materially alters the		

information included in the Plan.	X	X
A change in the type of oil handled, stored, or transferred that materially alters the required response resources.	X	X
A change in key personnel (Qualified Individuals).	X	X
Material change in capabilities of the Oil Spill Removal Organization(s) (OSROs) that provide equipment and personnel.	X	X
Material change in the Facility's spill prevention and response equipment or emergency response procedures.	X	X
Any other changes that materially affect the implementation of the Plan.	X	X
A change in the NCP or ACP that has significant impact on the equipment appropriate for response activities.		X

All requests for changes must be made through the Terminal Manager and will be submitted to EPA or PHMSA by the CITGO Corporate Emergency Management Program Manager.

The most current version of the plan is always the electronic copy. Revisions to the site-specific information are made through the password protected maintenance interface. The date at the beginning of each Section indicates the last date that Section was revised. Any revisions made after that date need to be reprinted and inserted in to the paper copy of the plan.

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### 1.3 CERTIFICATION OF ADEQUATE RESOURCES

## CERTIFICATION

### Pursuant to the Clean Water Act Section

### 311(j)(5)(F)

CITGO Petroleum Corporation

The CITGO Petroleum Corporation, hereby certify to the Pipeline and Hazardous Materials Safety Administration (PHMSA) of the Department of Transportation that they have obtained, through contract or other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or a substantial threat of such a discharge.



Rex J. Prosser  
Emergency Management Program Mgr.

**Linden**

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### 1.4 AGENCY SUBMITTAL / APPROVAL LETTERS

- [Click here to view EPA Submission Ltr 01-08-07 Linden Terminal](#)
- [Click here to view EPA Resubmission Ltr 03-20-07 Linden Terminal](#)
- [Click here to view DOT Response Plan Submission Ltr 01-08-07 Linden Terminal](#)
- [Click here to view DOT Response Plan Submission Ltr 07-29-09 Linden Terminal](#)
- [Click here to view DOT Response Plan Comments 07/29/2009](#)
- [Click here to view DOT Response Plan Submission Ltr 07-30-09 Linden Terminal](#)
- [Click here to view DOT Response Plan Approval Ltr 08/04/2009](#)
- [Click here to view USCG Submission Ltr 10-24-07 Linden Terminal](#)
- [Click here to view USCG Approval Letter 02-05-08](#)
- [Click here to view PHMSA Yearly Review Updates 11/8/2010](#)
- [Click here to view USCG Approval Letter 06-10-13](#)
- [Click here to view DOT Response Plan Submission Ltr 12-18-13 Linden Terminal](#)

## SECTION 2

Last revised: May 1, 2006

**INITIAL RESPONSE ACTIONS**

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Figure 2-1 - Initial Response Action Checklist

**2.1 Spill / Release Response**

Figure 2.1-1 - Spill / Release Response Action Checklist

**2.1.1 Spill Detection and Mitigation Procedures**

Figure 2.1-2 - Spill Mitigation Procedures

**2.1.2 Spill Surveillance Guidelines**

Figure 2.1-3 - Spill Surveillance Checklist

**2.1.3 Spill Volume Estimating**

Figure 2.1-4 - Spill Estimation Factors

2.1.4 Estimating Spill Trajectories

**2.1.5 Initial Containment Actions**

2.1.6 Safety Considerations

**2.2 Evacuation****2.3 Tornado****2.4 Hurricane****2.5 Flood****2.6 Medical**

2.7 Bomb Threat

**2.8 Fire and/or Explosion**

## FIGURE 2-1 - INITIAL RESPONSE ACTION CHECKLIST

To be used in conjunction with Section 2.2 through 2.7

SPECIFIC RESPONSE ACTIONS	COMMENT
<b>First Person On-Scene</b>	
Take appropriate personal protective measures.	
Notify Supervisory Personnel of the incident.	
Advise personnel in the area of any potential threat and/or initiate evacuation procedures.	
Eliminate possible sources of ignition in the vicinity of the spill.	
<b>Supervisory Personnel</b>	
Initiate the appropriate Initial Response Actions as outlined in this Section.	
Restrict access to the incident scene and surrounding area as the situation demands. Take any other steps necessary to minimize any threat to health and safety.	
Request medical assistance if an injury has occurred.	
Verify the type of product and quantity released, request/obtain Material Safety Data Sheets as necessary.	
Identify/isolate the source and minimize the loss of product.	
Coordinate further initial response actions with local supervision and Incident Commander.	
Make appropriate notifications. <ul style="list-style-type: none"> <li>• National Response Center (800) 424-8802</li> <li>• External regulatory notifications (<b>FIGURE 3.1-4</b>)</li> <li>• CITGO Hot Line (800) 26 CITGO</li> <li>• Internal CITGO notifications (<b>FIGURE 3.1-3</b>)</li> </ul>	
<b>Incident Commander</b>	
Activate the Emergency Management Team (EMT), as the situation demands ( <b>FIGURE 4.5-1</b> ).	
Activate additional response contractors and local response resources, as the situation demands ( <b>FIGURE 3.1-4</b> ).	
Evaluate the Severity, Potential Impact, Safety Concerns, and Response Requirements based on the initial information provided by the First Person On-Scene.	
Classify the incident ( <b>SECTION 4.1</b> ).	
Confirm safety aspects at site, including need for personal protective equipment, sources of ignition, and potential need for evacuation.	
Notify CITGO Hot Line as appropriate. Provide incident briefing and coordinate activation of Emergency Operations Center (EOC), as the situation demands.	
Coordinate/complete additional Internal ( <b>FIGURE 3.1-3</b> ) and External Notifications ( <b>FIGURE 3.1-4</b> ).	

Proceed to incident site and direct response and cleanup operations.	
Designated EMT personnel will immediately respond to an incident at the Facility as the situation demands.	
Perform response/cleanup operations as directed or coordinated by the Incident Commander.	
Assist as directed at the incident scene.	

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**2.1 SPILL / RELEASE RESPONSE**

FIGURE 2.1-1 - SPILL / RELEASE RESPONSE ACTION CHECKLIST

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
<b>First Person to Discover Spill</b>		
Immediately notify Supervisory Personnel. Take appropriate action to protect life and ensure safety of personnel. Contact the appropriate local emergency responders or request the office to do so.		
Immediately shutdown terminal / facility operations (if applicable). (b) (7)(F), (b) (3)		
Secure the scene. Isolate the area and assure the safety of people and the environment. Keep people away from the scene and outside the safety perimeter.		
<b>Supervisory Personnel</b>		
Assume role of Incident Commander until relieved.		
Conduct preliminary assessment of health and safety hazards.		
Evacuate nonessential personnel, notify emergency response agencies to provide security, and evacuate surrounding area (if necessary).		
Call out spill response contractors ( <b>FIGURE 3.1-3</b> ).		
If safe to do so, direct facility responders to shut down potential ignition sources in the vicinity of the spill, including motors, electrical pumps, electrical power, etc. Keep drivers away from truck rack if spill occurs there.		
If safe to do so, direct facility responders to shut down and control the source of the spill. Be aware of potential hazards associated with product and ensure that lower explosive limits (LELs) are within safe levels before sending personnel into the spill area.		
If safe to do so, direct facility responders to stabilize and contain the situation. This may include berming or		

deployment of containment and/or sorbent boom.		
For low flash oil (<100°F), consider applying foam over the oil, using water spray to reduce vapors, grounding all equipment handling the oil, and using non-sparking tools.		
If there is a potential to impact shorelines, consider lining shoreline with sorbent or diversion boom to reduce impact.		
Notify Local Emergency Responders. Obtain the information necessary to complete the Oil Spill Report Form ( <b>FIGURE 3.1-2</b> ).		
Make appropriate notifications. <ul style="list-style-type: none"> <li>• National Response Center (800) 424-8802</li> <li>• External regulatory notifications (<b>FIGURE 3.1-4</b>)</li> <li>• CITGO Hot Line (800) 26 CITGO</li> <li>• Internal CITGO notifications (<b>FIGURE 3.1-3</b>)</li> </ul>		

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FIGURE 2.1-1 - SPILL / RELEASE RESPONSE ACTION CHECKLIST, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
<b>On-Scene Coordinator</b>		
Activate all or a portion of Emergency Management Team (EMT) (as necessary). Environmental Specialist will maintain contact with notified regulatory agencies.		
Ensure the EMT has mobilized spill response contractors (if necessary). It is much better to demobilize equipment and personnel if not needed than to delay contacting them if they are needed.		
Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and area impacted. (Refer to <b>SECTION 5</b> for documentation.)		
Water based Spills: Initiate spill tracking and surveillance operations. Determine extent of pollution via surveillance aircraft or vehicle. Estimate volume of spill utilizing information in <b>SECTION 2.1.3</b> . Send photographer / videographer if safe.		
Land based Spills: Initiate spill tracking and surveillance if applicable.		
<b>SECONDARY RESPONSE ACTIONS</b> (Refer to EMT job descriptions in <b>SECTION 4.6</b> )		
<b>FACILITY SPECIFIC RESPONSE CONSIDERATIONS</b> (Refer to <b>SECTION 6</b> for maps, tactical plans, and sensitivity information).		

SITE SPECIFIC ACTIONS	
DOCUMENT ALL ACTIONS TAKEN	INITIALS
<b>First Priority</b>	
Account for all personnel and visitors.	
Identify and assess fire/safety hazards.	
<b>Second Priority</b>	
Secure spill source (if possible).	
Assure all required notifications are conducted.	
Secure all drainage leading from facility.	
<b>Third Priority</b>	
Facility drainage and secondary containment will be adequate to contain a spill of small or medium size preventing it from reaching Newark Bay. Once the spill has been contained, resources are present at the facility to recover spilled product, safety conditions permitting.	
If unable to contain spill to facility property, refer to <b>SECTION 6.8</b> of the FRP or <b>SECTION 9.0</b> of the ERAP for location of booming strategy.	
Once deployment of response equipment has been completed, initiate recovery of product.	
Upon arrival of EMT, assure all information is accurate and complete prior to being released.	
Assure proper documentation has been completed from initial discovery of spill to finish (Refer to <b>SECTION 5</b> for documentation).	

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### 2.1.1 Spill Detection and Mitigation Procedures

See **APPENDIX D.3** for spill detection protocols.

Each spill mitigation situation is unique and must be treated according to the circumstance present. In every situation, however, personnel safety must be assessed as the first priority. The potential for ignition and/or toxic exposure must be promptly evaluated. Spill mitigation procedures are listed in **FIGURE 2.1-1**. Discharge volume calculations are provided in **APPENDIX D.7**.

#### FIGURE 2.1-2 - SPILL MITIGATION PROCEDURES

TYPE	MITIGATION PROCEDURE
Failure of Transfer Equipment	<ol style="list-style-type: none"> <li>1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk.</li> <li>2. Terminate transfer operations and close block valves.</li> <li>3. Drain product into containment areas if possible.</li> <li>4. Eliminate sources of vapor cloud ignition by shutting down all engines and motors.</li> </ol>
Tank Overfill/Failure	<ol style="list-style-type: none"> <li>1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk.</li> </ol>

	<ol style="list-style-type: none"> <li>2. Shut down or divert source of incoming flow to tank.</li> <li>3. Transfer fluid to another tank with adequate storage capacity (if possible).</li> <li>4. Shut down source of vapor cloud ignition by shutting down all engines and motors.</li> <li>5. Ensure that dike discharge valves are closed.</li> <li>6. Monitor diked containment area for leaks and potential capacity limitations.</li> <li>7. Begin transferring spilled product to another tank as soon as possible.</li> </ol>
Piping Rupture/Leak (under pressure and no pressure)	<ol style="list-style-type: none"> <li>1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk.</li> <li>2. Shut down pumps. Close the closest block valves on each side of the rupture.</li> <li>3. Drain the line back into contained areas (if possible). Alert nearby personnel of potential safety hazards.</li> <li>4. Shut down source of vapor cloud ignition by shutting down all engines and motors.</li> <li>5. If piping is leaking and under pressure, then relieve pressure by draining into a containment area or back to a tank (if possible). Then repair line according to established procedures.</li> </ol>
Fire/Explosion	<ol style="list-style-type: none"> <li>1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at risk of injury.</li> <li>2. Notify local fire and police departments.</li> <li>3. Attempt to extinguish fire if it is in incipient (early) stage and <b>if it can be done safely</b>.</li> <li>4. Shut down transfer or pumping operation. Attempt to divert or stop flow of product to the hazardous area (if it can be done safely).</li> <li>5. Eliminate sources of vapor cloud ignition shutting down all engines and motors.</li> <li>6. Control fire before taking steps to contain spill.</li> </ol> <p>Also refer to fire/explosion response procedures in <b>SECTION 2.8</b>.</p>
Manifold Failure	<ol style="list-style-type: none"> <li>1. Personnel safety is the first priority. Evacuate nonessential personnel or personnel at high risk.</li> <li>2. Terminate transfer operations immediately.</li> <li>3. Isolate the damaged area by closing block valves on both sides of the leak/rupture.</li> <li>4. Shut down source of vapor cloud ignition by shutting down all engines and motors.</li> <li>5. Drain fluids back into containment areas (if possible).</li> </ol>

### 2.1.2 Spill Surveillance Guidelines

- Surveillance of an oil spill should begin as soon as possible following discovery to enable response personnel to assess spill size, movement, and potential impact locations

- Dispatch observers to crossings downstream or down gradient to determine the spill's maximum reach
- Clouds, shadows, sediment, floating organic matter, submerged sand banks or wind-induced patterns on the water may resemble an oil slick if viewed from a distance
- Sorbent pads may be used to detect oil on water
- Use surface vessels to confirm the presence of any suspected oil slicks (if safe to do so); consider directing the vessels and photographing the vessels from the air, the latter to show their position and size relative to the slick
- It is difficult to adequately observe oil on the water surface from a boat, dock, or shoreline
- Spill surveillance is best accomplished through the use of helicopters or small planes; helicopters are preferred due to their superior visibility and maneuverability
- If fixed-wing planes are to be used, high-wing types provide better visibility than low-wing types
- All observations should be documented in writing and with photographs and/or videotapes
- Describe the approximate dimensions of the oil slick based on available reference points (i.e. vessel, shoreline features, facilities); use the aircraft or vessel to traverse the length and width of the slick while timing each pass; calculate the approximate size and area of the slick by multiplying speed and time
- Record aerial observations on detailed maps, such as topographic maps
- In the event of reduced visibility, such as dense fog or cloud cover, boats may have to be used to patrol the area and document the location and movements of the spill; however, this method may not be safe if the spill involves a highly flammable product
- Surveillance is also required during spill response operations to gauge the effectiveness of response operations; to assist in locating skimmers; and assess the spill's size, movement, and impact
- A Spill Surveillance Checklist is provided in **FIGURE 2.1-3**

### FIGURE 2.1-3 - SPILL SURVEILLANCE CHECKLIST

Record your observations of spilled oil either in a notebook or directly on a chart of the area under observation. This checklist is an aid for organizing your observations.

General Information	
Date:	Tidal or river stage (flood, ebb, slack, low water):
Time:	On-scene weather (wind, sea state, visibility):

Incident name:	Platform (helicopter, fixed-wing aircraft, boat, shore):
Observer's name:	Flight path/trackline:
Observer's affiliation:	Altitude where observation taken:
Location of source (if known):	Areas not observed (i.e. foggy locations, restricted air spaces, shallow water areas):
<b>Oil Observations</b>	
Slick location(s):	Color and appearance (i.e. rainbow, dull or silver sheen, black or brown in color or mousse):
Slick dimensions:	Percent coverage:
Orientation of slick(s):	Is oil recoverable (Y/N)?:
Distribution of oil (i.e. windrows, streamers, pancakes or patches):	
<b>Considerations</b>	
<ul style="list-style-type: none"> <li>• During surveillance, travel beyond known impacted areas to check for additional oil spill sites</li> <li>• Include the name and phone number of the person making the observations</li> <li>• Clearly describe the locations where oil is observed and the areas where no oil has been seen</li> </ul>	
<b>Other Observations</b>	
<b>Response Operations</b>	
Equipment deployment (general locations where equipment is working and whether they are working in the heaviest concentration of oil):	
Boom deployment (general locations of boom, whether the boom contains oil, and whether the oil entrains under the boom):	

**FIGURE 2.1-3 - SPILL SURVEILLANCE CHECKLIST, CONTINUED**

Record your observations of spilled oil either in a notebook or directly on a chart of the area

under observation. This checklist is an aid for organizing your observations.

### **Environmental Observations**

Locations of convergence lines, terrain, and sediment plumes:

Locations of debris and other features that could be mistaken for oil:

Wildlife present in area (locations and approximate numbers):

### **Spill Sketch**

#### 2.1.3 Spill Volume Estimating

Early in a spill response, estimation of spill volume is required in order to:

- Report to agencies

- Determine liquid recovery requirements
- Determine personnel and equipment requirements
- Estimate disposal and interim storage requirements

Some rapid methods to estimate spill size are:

- Transfer operations: Multiply the pumping rate by the elapsed time that the leak was in progress, plus the drainage volume of the line between the two closest valves or isolation points (volume loss = pump rate [bbls/min] x elapsed time [min] + line contents [bbl])
- Tank overfills: Elapsed time multiplied by the pumping rate
- Visual assessment of the surface area and thickness (**FIGURE 2.1-4**); the method may yield unreliable results because:
  - Interpretation of sheen color varies with different observers
  - Appearance of a slick varies depending upon amount of available sunlight, sea-state, and viewing angle
  - Different products may behave differently, depending upon their properties

**FIGURE 2.1-4 - SPILL ESTIMATION FACTORS**

OIL THICKNESS ESTIMATIONS				
Standard Form	Approx. Film Thickness		Approx. Quantity of Oil in Film	
	inches	mm	gallons/mile <sup>2</sup>	liters/km <sup>2</sup>
Barely Visible	0.0000015	0.00004	25	44
Silvery	0.000003	0.00008	50	88
Slightly colored	0.000006	0.00015	100	179
Brightly colored	0.000012	0.0003	200	351
Dull	0.00004	0.001	666	1,167
Dark	0.00008	0.002	1,332	2,237
Thickness of light oils: 0.0010 inches to 0.00010 inches				
Thickness of heavy oils: 0.10 inches to 0.010 inches				

NOAA, 09/2000

#### 2.1.4 Estimating Spill Trajectories

In some cases, oil spill trajectories should be estimated in order to predict direction and speed of the slick's movement. Trajectory calculations provide an estimate of where oil slicks may impact shorelines and other sensitive areas, and also provide an estimate of the most effective location in which to mobilize spill response resources for protection, containment, and recovery.

Oil spill trajectories can be estimated using vector addition or with computer programs. Hand calculations typically utilize the following assumptions:

- Oil moves at approximately the same direction and speed as the water currents, unless the winds are strong
- Wind speed can be multiplied by 0.034 to determine the effect of winds on speed and direction of spill movement
- The combined effects of winds and currents can be added to estimate spill movement speed and direction

More sophisticated predictions can be obtained from computer programs. Oil spill trajectory services can be obtained from:

- National Oceanic and Atmospheric Administration (NOAA) through the Federal On-Scene Commander (FOSC)
- Private consulting firms

### 2.1.5 Initial Containment Actions

Initial containment actions will focus on utilizing containment on site in the most effective manner to:

- Prevent the oil from impacting water, thereby reduce the surface area and the shoreline to be cleaned
- Concentrate the oil (when safe to do so), making physical recovery more efficient
- Limit the environmental impact to the immediate spill area

Selection of the appropriate location and method will depend upon:

- Length of time spill occurs before being noticed
- Amount of spill
- Area of coverage
- Environmental factors such as wind speed and direction
- Oil's characteristics

### 2.1.6 Safety Considerations

- Containment actions should not be conducted during inclement weather or unsafe conditions such as high winds, fast currents, or unstable terrain
- Eliminate all ignition sources
- Avoid contact with the spilled product

- Use respiratory protection (if applicable)
- Ensure that the area remains secure to air traffic

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**2.2 EVACUATION**

<b>EVACUATION CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
Request assistance from off-site agencies; convey Command Post's location	
Assemble personnel at predetermined safe location: upwind/up gradient of release (assembly area)	
Account for Company and contractor personnel	
Assess casualties (number/type/location)	
Determine probable location of missing personnel	
Secure site, establish re-entry point and check-in/check-out procedures	
Develop list of known hazards (confined spaces, electrical hazards, physical hazards, vapors, oxygen deficiency, fire/explosion, etc.)	
Monitor situation (weather, vapors, product migration) for significant changes	
Assist in developing a Rescue Plan if necessary	

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**2.2 EVACUATION, CONTINUED**

<b>EVACUATION FACTORS</b>	
<b>FACTOR</b>	<b>DESCRIPTION</b>
Stored material location	<ul style="list-style-type: none"> <li>• Located in oil storage area</li> <li>• Identified in facility Plot Plan (<b>FIGURE C-3</b>)</li> </ul>
Spilled material hazards	<ul style="list-style-type: none"> <li>• Hazard is fire/explosion. Other hazards posed by spilled materials are summarized in the Product Characteristics and Hazards section in <b>APPENDIX D</b>.</li> <li>• Specific response information for fire/explosion incidents is in <b>SECTION 2.8</b>.</li> <li>• Refer to the Vulnerability Analysis in <b>SECTION 6</b> for a list of potential hazards imposed by spilled material.</li> </ul>
Water currents, tides or wave conditions	<ul style="list-style-type: none"> <li>• Not applicable</li> </ul>
Evacuation routes	<ul style="list-style-type: none"> <li>• Routes are summarized on Evacuation Plan Diagram (<b>FIGURE</b></li> </ul>

	<p><b><u>C-3)</u></b></p> <ul style="list-style-type: none"> <li>Criteria for determining safest evacuation routes from facility may include: wind direction, potential exposure to toxins and carcinogens, intense heat, potential for explosion/fire, and blockage of planned route by fire, debris, or released liquid</li> </ul>
Alternate evacuation routes	<ul style="list-style-type: none"> <li>Alternate routes may exist; refer to Evacuation Plan Diagram (<b><u>FIGURE C-3)</u></b></li> </ul>
Injured personnel transportation	<ul style="list-style-type: none"> <li>Emergency services can be mobilized to the facility (<b><u>FIGURE 3.1-4)</u></b></li> </ul>
Alarm/Notification system location	<ul style="list-style-type: none"> <li>The terminal does not maintain a facility wide alarm system</li> </ul>
Community evacuation plans	<ul style="list-style-type: none"> <li>Company may request local police, county sheriff and/or state police assistance (<b><u>FIGURE 3.1-4)</u></b>. Community evacuations are the responsibility of these agencies.</li> </ul>
Spill flow direction	<ul style="list-style-type: none"> <li>East towards the Arthur Kill and for the Warner Tank Farm east and south into Marshes Creek which flows into the Rahway River</li> <li>Identified in facility drainage diagram (<b><u>FIGURE C-2)</u></b></li> </ul>
Prevailing wind direction and speed	<ul style="list-style-type: none"> <li>South approximately 8-10 mph</li> <li>Because wind direction varies with weather conditions, consideration for evacuation routing will depend in part on wind direction</li> </ul>
Emergency personnel/response equipment arrival route	<ul style="list-style-type: none"> <li>Main entrance gate</li> <li>Should conditions prohibit normal entrance procedures, the Terminal Manager or Person in Charge must determine an alternate entry route</li> <li>Directions to nearest medical facility provided below</li> </ul>

## 2.2 EVACUATION, CONTINUED

EVACUATION FACTORS	
FACTOR	DESCRIPTION
Centralized check-in area (Personnel assembly area)	<ul style="list-style-type: none"> <li>Main Entrance Gate</li> <li>Supervisor/Senior employee is responsible for head count</li> </ul>
Mitigation Command	<ul style="list-style-type: none"> <li>Initial Command Center located at Terminal Office Building</li> </ul>

Center location	<p>The alternate location is the closest available hotel with adequate accommodations</p> <ul style="list-style-type: none"> <li>• Mobile Command Posts may be established as necessary</li> </ul>
Facility Shelter Location	<ul style="list-style-type: none"> <li>• Terminal Office</li> <li>• Not a safe harbor from fires, explosions, vapor clouds, or other significant emergencies; however, may be used for temporary shelter from inclement weather</li> </ul>
Directions to nearest medical facility	<p>Directions to Union Hospital :</p> <ul style="list-style-type: none"> <li>• The transportation of injured personnel will be performed by the local Fire Department or EMS</li> </ul>

## 2.3 TORNADO

<b>TORNADO CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
<p>Monitor news media reports (<b>FIGURE 3.1-4</b>).</p> <ul style="list-style-type: none"> <li>• Tornado watch means conditions are favorable for tornadoes</li> <li>• Tornado warning means a tornado has been sighted</li> </ul>	
<p>When a tornado warning is issued, sound the local alarm.</p>	
<p>Take shelter:</p> <ul style="list-style-type: none"> <li>• Go to an interior room on the lowest floor</li> <li>• Get under a sturdy piece of furniture</li> <li>• Use your arms to protect head and neck</li> </ul>	
<p>Have location personnel report to the designated area.</p>	
<p>Account for all personnel on duty.</p>	
<p>Look for funnel formations on the ground or in the clouds; listen for a roar that sounds like a jet aircraft or rail traffic.</p>	
<p>If the facility is damaged by the tornado, notify Supervisory Personnel.</p>	
<p>Go to the scene of the incident to evaluate the situation.</p> <ul style="list-style-type: none"> <li>• Be aware of broken glass and downed power lines</li> <li>• Check for injuries</li> <li>• Use caution entering a damaged building</li> </ul>	

Update Supervisory Personnel/Management.	
Perform Initial Response Actions functions as stated in <b>FIGURE 2-1</b> .	
Conduct post-emergency evaluation and report.	

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**2.4 HURRICANE**

The following checklist is only applicable to facilities that are susceptible to hurricane events. Refer to the Corporate Hurricane Plan for additional information.

<b>HURRICANE CHECKLIST</b>	
<b>Prior to Hurricane Season</b>	<b>INITIALS</b>
1. Conduct hurricane awareness training, which includes evacuation routes and asset hurricane procedures.	
2. Coordinate activities with local and state agencies involved in hurricane preparation (Emergency Access Cards, etc.).	
3. Communicate recommended Community Evacuation routes.	
4. Determine disposition of company vehicles during evacuation.	
5. Each location should maintain current photographs of facilities.	
<b>June 1 - Beginning of Hurricane Season</b>	
1. Verify the availability of and procure emergency supplies, as necessary: <ul style="list-style-type: none"> <li>• Portable Radios</li> <li>• Plywood, lumber, plastic sheeting or covering</li> <li>• Drinking water</li> <li>• First Aid Kits</li> <li>• Flashlights and batteries</li> <li>• Tools</li> <li>• Emergency non-perishable food items</li> </ul>	
2. Ensure emergency generators and portable equipment is in good working order and sufficient fuel is available.	
<b>Hurricane entering Gulf of Mexico/Atlantic Ocean</b>	
1. Implement hurricane procedures.	
2. Identify employees who may volunteer to implement hurricane procedures.	
<b>72 hours prior to hurricane's eye reaching landfall</b>	

1. Cancel all training and meetings requiring travel to affected areas.	
2. Designate location for temporary Communication Center.	
3. Verify contractor contacts and availability.	
4. All employees shall provide to their supervisor an evacuation location and contact number.	
5. Each location shall identify a radio frequency which broadcasts emergency weather information.	
6. Report facility status to Corporate Management.	

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**2.4 HURRICANE, CONTINUED**

<b>SPECIFIC RESPONSE ACTIONS</b>	<b>COMMENT</b>
<b>48 hours prior to hurricane's eye reaching landfall</b>	
1. Implement flex-shift to allow employees to secure personal property.	
2. Ensure all storage tanks are stabilized at a minimum of 40% capacity.	
3. Ensure all below ground sumps have been pumped dry.	
4. Secure all critical documents including electronic data.	
5. Elevate electrical equipment, sensitive office equipment and documents in the event of high water.	
6. Report facility status to Management.	
<b>36 hours prior to hurricane's eye reaching landfall</b>	
1. Communicate with suppliers and affected customers.	
2. Report facility status to Management.	
<b>24-hours prior to hurricane's eye reaching landfall</b>	
1. Begin shutdown operations.	
2. Release nonessential personnel.	

3. Report facility status to Corporate Management.	
<b>12-hours prior to hurricane's eye reaching landfall</b>	
1. Man Communications Center continuously.	
2. Report facility status to Management.	
<b>Post Storm Recovery Procedure</b>	
1. Initiate facility damage assessment.	
2. Report facility status to Management.	
3. Once access has been granted, the following processes should be surveyed for operational reliability prior to startup: <ul style="list-style-type: none"> <li>• Electrical panels and motors</li> <li>• Instrument air system</li> <li>• Emergency shutdown system</li> <li>• Tank and vessel foundation and support (possible washouts)</li> <li>• Check for dangerous wildlife and reptiles</li> </ul>	

## 2.5 FLOOD

<b>FLOOD CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
Perform continuous monitoring of the situation by listening to radio and/or television reports ( <b>FIGURE 3.1-4</b> ).	
<ul style="list-style-type: none"> <li>• Flash flood watch means flooding is possible</li> <li>• Flash flood warning means flooding is occurring or is imminent</li> </ul>	
Update Supervisory Personnel when flooding is imminent.	
Establish an evacuation plan ( <b>SECTION 2.2</b> ).	
Take preliminary actions to secure the facility before flooding and mandatory evacuation.	
Consider having sandbags brought to sites that could be affected by the flooding.	
Consider obtaining portable pumps and hoses from local suppliers or from other petroleum service locations in the area.	
Remove product from underground storage tanks (i.e., sumps and separators, if applicable) and replace with water to prevent them from floating out of the ground.	

Keep at least a normal bottom in all above ground tankage, more if possible.	
Plug all rack drains and facility drains connected to the sump.	
Anchor all bulk additive tanks, fuel barrels, empty drums, and propane tanks (if applicable).	
Notify Supervisory Personnel/Management that the facility will be closed.	
Back up computer files.	
Remove assets such as files, computers, and spare parts.	
Shut off high voltage power and natural gas lines.	
Close all valves on product and additive storage tanks.	
Before evacuation, know where all the employees will be residing and obtain phone numbers so they can be contacted if additional emergencies occur.	
Conduct a post-emergency evacuation and report.	
Maintain hazards awareness: <ul style="list-style-type: none"> <li>• Structural damage</li> <li>• Downed power lines</li> <li>• Leaking natural gas, water, and sewer lines</li> <li>• Poisonous snakes and other wildlife sheltering in structures, vehicles, and furniture</li> <li>• Avoid direct contact with floodwater, mud, and animal carcasses</li> </ul>	

## 2.6 MEDICAL

<b>MEDICAL CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
Summon Emergency Medical Services (EMS) to the scene ( <b>FIGURE 3.1-4</b> ).	
Do not move the patient unless a situation (such as a fire) threatens patient's life.	
If trained, provide first aid until the EMS arrives at the scene.	
As the situation warrants, try to stop the bleeding and keep the patient breathing until the EMS arrives at the scene.	
The rescuer's role includes: <ul style="list-style-type: none"> <li>• Removing the patient from any situation threatening patient's life or the lives of rescuers</li> <li>• Correcting life-threatening problems and immobilizing injured parts before transporting the patient</li> <li>• Transporting the patient in a way that minimizes further damage to injured parts</li> </ul>	



**2.8 FIRE AND/OR EXPLOSION**

**Your first consideration is always the safety of people  
in the immediate area, including your own.**

**The first responder's initial objective is site management.**

**FIRE AND/OR EXPLOSION CHECKLIST**

<b>TASK</b>	<b>INITIALS</b>
<b>At a manned facility</b>	
Evaluate the situation; approach cautiously from upwind; do not rush in.	
Notify the local police and fire departments.	
Notify Supervisory Personnel.	
Notify CITGO Hot Line.	
Appropriately trained personnel may attempt to extinguish the fire if it is in the incipient (early) stage and <b>if it can be done safely</b> .	
If the fire/explosion is a result of a pipe rupture, isolate product release by closing valves.	
Undertake basic site control: <ul style="list-style-type: none"> <li>• Make an assessment of hazards</li> <li>• Isolate the area</li> <li>• Keep people away from the scene and outside the safety perimeter</li> <li>• Establish safety zones and escape routes</li> </ul>	
Respond to the fire: <ul style="list-style-type: none"> <li>• Establish a Command Post and lines of communication</li> <li>• Maintain site control</li> <li>• Establish Incident Command/Unified Command as necessary, refer to <b><u>SECTION 4.4</u></b></li> </ul>	
Call in additional resources if on scene personnel and equipment are inadequate to handle the emergency.	
Conduct a post-emergency evaluation and report.	

**Linden****Page 2 - 22****2.8 FIRE AND/OR EXPLOSION, CONTINUED**

**Your first consideration is always the safety of people  
in the immediate area, including your own.**

**The first responder's initial objective is site management.**

<b>FIRE AND/OR EXPLOSION CHECKLIST, CONTINUED</b>	
<b>TASK</b>	<b>INITIALS</b>
<b>At an unmanned facility</b>	
Handle the call.	
Notify the local police and fire departments.	
Notify Supervisory Personnel.	
Notify CITGO Hot Line.	
Go to the incident scene to evaluate the situation; approach cautiously from upwind; do not rush in.	
Undertake basic site control: <ul style="list-style-type: none"> <li>• Make an assessment of hazards</li> <li>• Isolate the area</li> <li>• Keep people away from the scene and outside the safety perimeter</li> <li>• Establish safety zones and escape routes</li> </ul>	
If roads or railroads are in the affected area, assist the sheriff or local emergency officials with halting traffic.	
Update Supervisory Personnel/Management.	
If the fire/explosion is a result of a pipe rupture, isolate the product release by closing valves.	
Respond to the fire: <ul style="list-style-type: none"> <li>• Establish a Command Post and lines of communication</li> <li>• Maintain site control</li> <li>• Establish Incident Command/Unified Command as necessary, refer to <b><u>SECTION 4.4</u></b></li> </ul>	
Call in additional resources if on scene personnel and equipment are inadequate to handle the emergency.	
Conduct a post-emergency evaluation and report.	

## SECTION 3

Last revised: October 14, 2013

**NOTIFICATIONS / TELEPHONE NUMBERS**

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3.1 Emergency Information and Notification Procedures**Figure 3.1-1 - Emergency Notification Flow Chart**Figure 3.1-2 - Oil Spill Report FormFigure 3.1-3 - Internal Notifications and Telephone NumbersFigure 3.1-4 - External Notifications and Telephone Numbers

### 3.1 EMERGENCY INFORMATION AND NOTIFICATION PROCEDURES

The notification sequence for a spill is as follows:

- Facility personnel will identify and control the source of a spill, if safe to do so, then will notify the Supervisory Personnel.
- The Qualified Individual will conduct notifications as illustrated in the Notification Flow Chart (**FIGURE 3.1-1**).

The priority of actions and response procedures will depend upon actual circumstances and will be determined by the Incident Commander.

This section also contains the following:

- **FIGURE 3.1-2** provides an Oil Spill Report Form. This form is utilized for initial and follow-up notifications. Follow-up notifications are the responsibility of the Liaison Officer.
- **FIGURE 3.1-3** provides a notification summary and documentation form to assist in documenting notifications.

#### FIGURE 3.1-1 - EMERGENCY NOTIFICATION FLOW CHART

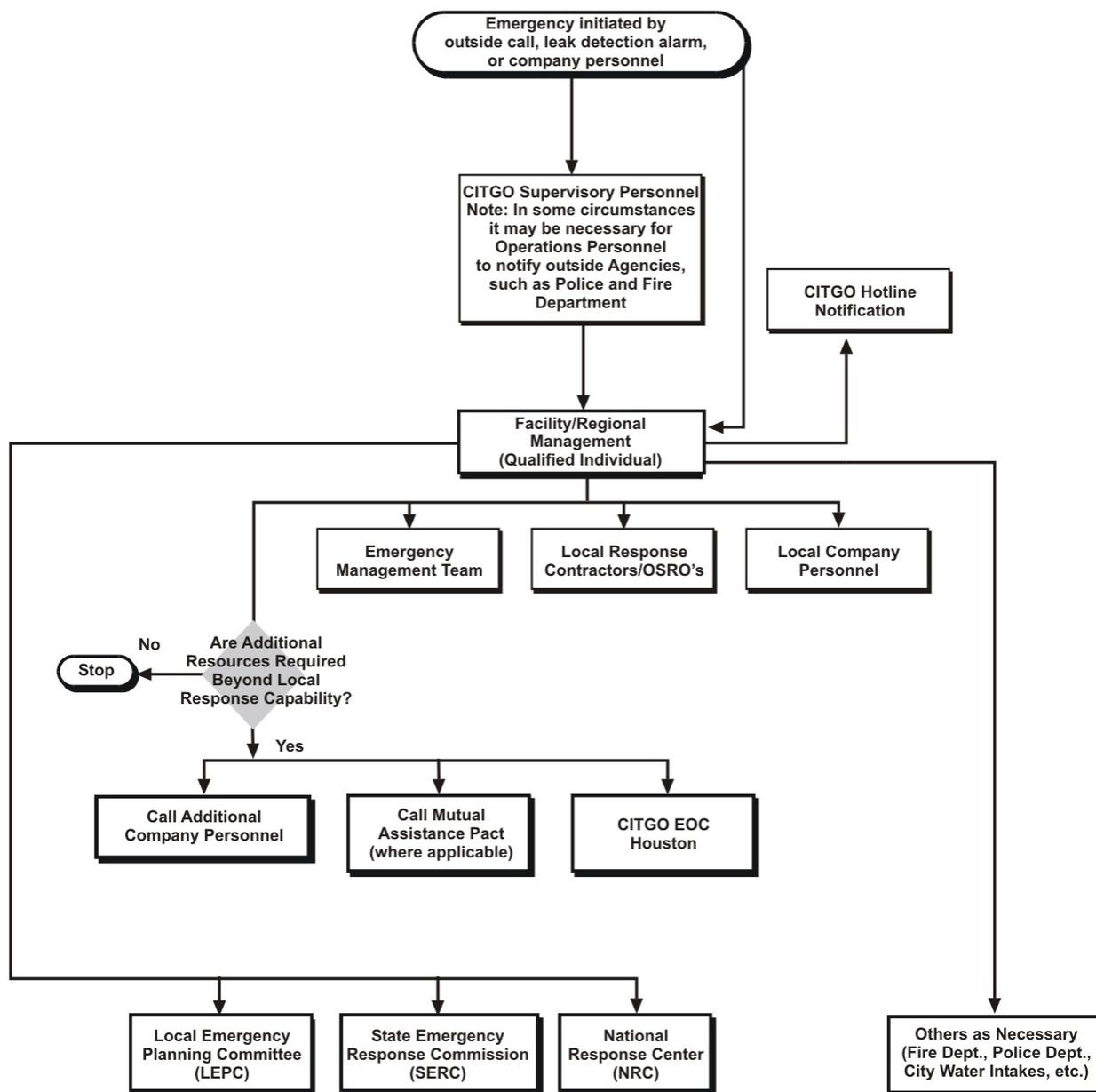


FIGURE 3.1-2 - OIL SPILL REPORT FORM

INVOLVED PARTIES			
Reporting Party		Suspected Responsible Party	
Name:		Name:	
Phone:	(Day)	Phone:	(Day)
	(Evening)		(Evening)
Position:		Company:	
Company:		Organizational Type:	
Address:		<input type="checkbox"/> Private Citizen <input type="checkbox"/> Private Enterprise <input type="checkbox"/> Public Utility	

<b>Person Discovering Incident</b>		<input type="checkbox"/> Local Government <input type="checkbox"/> State Government <input type="checkbox"/> Federal Government	
Name:			
Company/Organization:			
City:	State:	Zip:	
Were materials released? <input type="checkbox"/> Yes <input type="checkbox"/> No		Calling for Responsible Party <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>INCIDENT DESCRIPTION</b>			
Incident Classification: <input type="checkbox"/> Tier I (12-hours) <input type="checkbox"/> Tier II (36 hours) <input type="checkbox"/> Tier III (60 hours)			
Facility Name:		Owner Name:	
Date:	Time: <input type="checkbox"/> AM <input type="checkbox"/> PM	Weather:	
Incident Address/Location:		Latitude: _____ degrees _____ min _____ sec N	
		Longitude: _____ degrees _____ min _____ sec W	
Mile Post/River Marker:			
City/County:		Distance from City:	
State:		Direction from City:	
Source and Cause of Incident:			
Storage Tank Type: <input type="checkbox"/> Above Ground <input type="checkbox"/> Below Ground <input type="checkbox"/> Unknown			
Tank Capacity:		Facility Capacity:	
<b>MATERIAL INFORMATION</b>			
CHRIS Code	Product Released	Released Quantity (Include units of measure)	Quantity in Water (Include units of measure)

**Note:** Refer to the Incident Database for spill history and spill reporting.

**\* It is not necessary to wait for all information before calling NRC. National Response Center - 1-800-424-8802**

**FIGURE 3.1-2 - OIL SPILL REPORT FORM, CONTINUED**

INITIAL IMPACT						
Number of injuries:				Number of Deaths:		
Were there Evacuations? <input type="checkbox"/> Yes <input type="checkbox"/> No				Number Evacuated:		
Was there any Damage? <input type="checkbox"/> Yes <input type="checkbox"/> No						
Damage in dollars (estimate):						
Is the Spill Contained within the boundaries of the facility? <input type="checkbox"/> Yes <input type="checkbox"/> No						
Direction of Flow:						
RESPONSE ACTION(S)						
Action(s) Taken to Correct, Control or Mitigate Incident:						
ADDITIONAL INFORMATION						
Any information about the incident not recorded elsewhere in the report (e.g., duration of spill, treatment or disposal measures).						
COMPLETED NOTIFICATIONS						
Report	Phone Number	Date	Case Number	Time	Name	Title
NRC <input type="checkbox"/>	(800) 424-8802*					
Ohio EPA	(800) 282-9378					
Franklin County, OH LEPC	(614) 645-6672					
Lucas	(419) 245-					

County, OH LEPC	1200					

**Note:** Refer to the Incident Database for spill history and spill reporting.

**\* It is not necessary to wait for all information before calling NRC. National Response Center - 1-800-424-8802**

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**FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS**

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

<b>FACILITY RESPONSE TEAM</b>		
<b>NAME/TITLE</b>	<b>PHONE NUMBER</b>	<b>RESPONSE TIME (hours)</b>
Robert Keiser Terminal Manager Linden, NJ Terminal 3466 <b>Qualified Individual</b>	908-523-2303 (Office) (Home) 703-999-3921 *(Mobile)	1
Don Paglia Assistant Terminal Manager <b>Qualified Individual</b> logistics	908-523-2315 (Office) (b) (6) 732-896-7274 *(Mobile) none (Pager)	1.5
Edward Garcia Senior Operational Supervisor	908-523-2308 (Office) (b) (6) 732-896-7273 *(Mobile)	0.75

Refer to **APPENDIX A, FIGURE A.2-3** for personnel training records

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**FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED**

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

<b>EMERGENCY RESPONSE PERSONNEL AND BUSINESS UNIT NOTIFICATIONS</b>						
<b>NAME/TITLE</b>	<b>PHONE NUMBER</b>	<b>RESPONSE TIME (hours)</b>	<b>RESPONSIBILITY DURING RESPONSE ACTION</b>	<b>RESPONSE TRAINING TYPE<sup>1</sup></b>		
				<b>1</b>	<b>2</b>	<b>3</b>
<b>Emergency Management</b>	<b>(800) 262-4846</b> (Office)		Corporate Notification			

<b>Hotline</b>						
Tom Fanning Marine Tech Services Mgr. <b>Qualified Individual</b>	832-486-1558 (Office) (b) (6) 281-221-2874 *(Mobile)		Corporate QI	x		x
Jeffrey Bonnette General Manager Health, Safety & Environmental Protection <b>Qualified Individual</b>	(832) 486-1528 (Office) (337) 515-0510 *(Mobile)		Corporate QI - Business Unit Support			
Don Griffin Northeast EHSS Manager <b>Qualified Individual</b>	(856) 963-1251 (Office) (b) (6) (b) (6) (609) 841-0399 *(Mobile)		Terminal Regional Qualified Individual	x	x	x
K. Scott Gebbie Regional Terminal Facilities Manager	(832) 486-4749 (Office) (b) (6) (b) (6) (281) 630-5985 *(Mobile)			x	x	x
Jim Sanders GM Terminals & Pipelines	(832) 486-4786 (Office) (b) (6) (b) (6) (281) 224-4736 *(Mobile)		General Manager, Terminal Facilities & Operations	x	x	x

### EMERGENCY RESPONSE TRAINING TYPE<sup>1</sup>

There are three different types of training described below including HAZWOPER, OPA, and Qualified Individual/Incident Command Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual.

<b>TYPE<sup>1</sup></b>	<b>DESCRIPTION</b>
1	29 CFR 1910.120 HAZWOPER
2	OPA (Training Reference for Oil Spill Response) All Facility Personnel, SMT, QI Components
3	Qualified Individual/Incident Command Training

NOTE: Refer to **APPENDIX A** for training dates.

**FIGURE 3.1-3 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED**

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

<b>EMERGENCY RESPONSE CONTRACTORS</b>						
<b>NAME/TITLE</b>	<b>PHONE NUMBER</b>	<b>RESPONSE TIME (hours)</b>	<b>RESPONSIBILITY DURING RESPONSE ACTION</b>	<b>RESPONSE TRAINING TYPE<sup>1</sup></b>		
				<b>1</b>	<b>2</b>	<b>3</b>
Auchter Industrial Vac Service, Inc.	(908) 862-2277*	1	Provide Spill Response Equipment and Trained Response Personnel	x		
Miller Marine	(908) 862-1005 S.I. (718) 727-7303	1	Provide Spill Response Equipment and Trained Response Personnel	x		
MSRC OSRO Star Partners Equipment Lists For Spill Response	(800) 645-7745*	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
Clean Harbors Cooperative L.L.C.	908-862-7500 Hotline # 732-661-2548	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
Clean Harbors Environmental	(800) 645-8265* (732) 248-1997* (732) 248-4414 (Fax)	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	
MSRC - Marine Spill Response Corporation	(800) 645-7745* (800) 259-6772 (732) 417-0175	2	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
<b>EMERGENCY RESPONSE TRAINING TYPE<sup>1</sup></b>						
There are three different types of training described below including HAZWOPER, OPA, and Qualified Individual/Incident Command Training. An "x" has been placed in the applicable columns (type 1, 2, or 3) in the table above for the type of training completed by each individual.						
<b>TYPE<sup>1</sup></b>	<b>DESCRIPTION</b>					
1	29 CFR 1910.120 HAZWOPER					
2	OPA (Training Reference for Oil Spill Response) All Facility Personnel, SMT, QI Components					

3

Qualified Individual/Incident Command Training

NOTE: Refer to **APPENDIX A** for training dates.**Linden**

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## FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Initial</b>		
National Response Center (NRC)	(800) 424-8802*	
<b>USCG Classified OSRO's</b>		
Clean Harbors Cooperative L.L.C. Linden, New Jersey	908-862-7500 Hotline # 732-661-2548	
Clean Harbors Environmental Edison, NJ	(800) 645-8265* (732) 248-1997* (732) 248-4414 (Fax)	
MSRC - Marine Spill Response Corporation Herndon, VA	(800) 645-7745* (800) 259-6772 (732) 417-0175	
MSRC OSRO Star Partners Equipment Lists For Spill Response Herndon, VA	(800) 645-7745*	
<b>USCG Non-Classified OSRO's</b>		
Auchter Industrial Vac Service, Inc.	(908) 862-2277*	
Miller Marine	(908) 862-1005 S.I. (718) 727-7303	
<b>Recommended</b>		
<b>Federal Agencies</b>		
National Oceanic & Atmospheric Admin.(NOAA) Local (Ed Levine) 212- 668-6428 (New York)	(305) 361-4300- Miami (305) 361-4449-Fax (206) 526-4911-24Hr	
U.S. Army Corps of Engineers (COE) - Emergency Operations Center Troy Lock	(202) 761-1001 (518) 273-0870 Troy (518) 272-6442 24Hr	
U.S. Coast Guard - Sector New York	(718) 354-4121*	

	(718) 354-4353 (24hr)	
U.S. Environmental Protection Agency (EPA) - Region II - Hotline (Edison, NJ)	(732) 321-4370*	
U.S. Environmental Protection Agency (EPA) - Region III (Philadelphia, PA)	(215) 814-9016 24h (215) 814-5000 (Main Number) (800) 424-8802 NRC (215) 814-3255 Off Hours	
U.S. Environmental Protection Agency (EPA)- Region I	(617) 223-7265*(Rolls to NRC) (617) 723-8928*	
<b>State Agencies</b>		
New Jersey Department of Environmental Protection (NJDEP)	(609) 292-7172 (877) 927-6337*	
New Jersey Department of Environmental Protection (NJDEP) - Division of Fish, Game & Wildlife	(609) 292-2965	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>State Agencies</b>		
New Jersey DOT-Roadway Emergencies	1-(973)-770-5000	
New Jersey Marine Police	(609) 882-2000	
New Jersey Office of Homeland Security	1-(866) 472-3365	
New Jersey Office of the Governor	(609) 292-6000	
New Jersey State Police Headquarters	(609) 882-2000	
NY State - Department of Environmental Conservation	(518) 357-2045	
NY State Department of Environmental	(518) 402-8920	

Conservation (DEC) - Endangered Species Unit		
NY State Department of Environmental Conservation (DEC) - Water Quality Surveillance Section / Spill (HOT LINE)	(800) 457-7362	
NY State Department of Environmental Conservation (DEC) - Bureau of Fisheries	(607) 652-7366	
NY State Department of Environmental Conservation (DEC) - Director of Fish & Wildlife	(518) 402-8924	
NY State Department of Transportation (DOT) - Waterways Maintenance NYS Canals Corp.	(518) 471-5010 - DOT (518) 436-2700 - Canals	
NY State Police - Aviation Unit	(212)577-8477	
NY State Police - Operations Center	(518) 457-6811	
Port of New York/New Jersey	(212) 435-7000	
<b>Fire Departments</b>		
Clark Township Fire Department	(908) 381-1158	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Fire Departments</b>		
Cranford Fire/Police Department	(908) 272-2222	
Elizabeth Fire Department	(908) 820-2800	
Linden Fire Department	(908) 486-3500	
Rahway Fire Department	(908) 388-1400	
Roselle Fire Department	(908) 245-8600	

Roselle Park Fire Department	(908) 245-2300	
Union Township Fire Department	(908) 851-5420	
<b>Hospitals</b>		
Newark Beth Israel Medical Center	(973) 926-7000	
ROBERT WOOD JOHNSON - Rahway Hospital	(732) 381-4200	
Trinitas Hospital was Elizabeth General	(908) 527-5000	
Union Hospital	(908) 851-7121	
<b>Law Enforcement</b>		
Clark Township Police Department	732-388-3434	
Cranford Police	(908) 272-2222	
Elizabeth Police Department	(908) 558-2000	
Kenilworth Boro Police	(908) 276-1700	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Law Enforcement</b>		
Linden Police Department	(908) 474-8500	
Rahway Police Department	732-827-2200	
Roselle Borough Police Department	(908) 245-2000	
Union Township Police Department	(908) 851-5000	
<b>Accommodations</b>		
Days Inn	(800) 329-7466	

Hampton Inn Airport Plaza Linden	(908) 862-3222	
Holiday Inn/Holiday Inn Express	(888) 465-4329	
Howard Johnson	(800) 446-4656	
Ramada Limiteds, Inns, & Plaza Hotels	(888) 288-4982 (601) 638-5750 (Mississippi)	
<b>Aircraft Rental</b>		
Kanzler Owen Aerial Photography	(908) 486-2262	
The Evidence Store	(908) 687-7205	
<b>Aviation Companies</b>		
Linden Airport	(908) 862-5557	
Newark Liberty International Airport	973-961-6600	
Princeton Airport	(609) 921-3100	
Solberg Airport	(908) 534-4000	

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Aviation Companies</b>		
Teterboro Airport	(201) 288-1353	
<b>Bottled Drinking Water</b>		
Culligan	(800) 285-5442	
Mountain Valley Spring Water	(800) 643-1501	
Poland Spring Water	800-638-2323	

Vermont Pure Springs	(800)-525-0070	
<b>Car Rental</b>		
Alamo	(877) 603-0615	
Avis	(800) 831-2847	
Budget Rent A Car Systems, Inc.	(800) 527-0700	
Enterprise	(800) 325-8007	
Hertz	(800) 654-3131	
Thrifty	(800) 847-4389	
<b>Caterers</b>		
Aliperti's	(732) 381-2300	
Bragman's Delicatessen	(973) 375-9868	
Cranford Delicatessen	(908) 276-0733	
Domino's Pizza 609 Westfield, Elizabeth, NJ	(908) 354-4322	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Caterers</b>		
Pizza Hut	(972) 338-7700 (corp hdqtrs)	
Silvio's Italian Specialty Shop	(908) 827-0060	
Tucky's Pizza	(908) 862-0050	
Woodbridge Deli	(732) 636-4848	

<b>Communication Equipment Rental</b>		
American Cellular	(908) 359-3817	
AT&T/SBC	(888) 294-8433	
COASTWIDE Communications (RADIOS)	732-775-2280	
Communications Advantage	(908) 687-6626	
Corporate Telecom	(732) 636-6722	
Verizon Wireless	(800) 256-4646	
<b>Contract Spill Management Technical Advisors</b>		
The O'Brien's Group	985-781-0804* Fax 985-781-0580 (800) 910-3778	
<b>Diving Services</b>		
Indepth Marine Construction	(908) 270-6812	
Rand Dive	(732) 324-1144	
TNJ Marine, Inc.	(732) 681-8122	
<b>Excavation Contractors</b>		
Amquip	(800) 355-9200	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Excavation Contractors</b>		
Antoine, Albert H.	(908) 276-2923	
Atlantic Crane Service	(732) 938-3880	

Casey, W.J. Trucking and Rigging Company	(908) 687-6424	
Jensen-Koerner Crane Service	(973) 267-9300	
JJR CONSTRUCTION	732-382-5877 908-482-8004 CELL	
Krutis Excavating	(908) 862-6967 (908) 230-7052	
P&A Crane and Hoist Company	(908) 527-6990	
Remida Service, Inc.	(908) 687-6677	
Rob's Crane Service	(908) 382-0821	
Sky-Hy Erectors and Equipment	(908) 755-0900	
United Crane Rentals	(908) 245-6260	
<b>Hardware Supplies</b>		
Ace Hardware	(866) 290-5334	
Home Depot	(908) 523-2210	
STANDARD LUMBER (True Value) 1024 Elizabeth, Elizabeth, NJ	(908) 354-2646	
<b>Laboratories</b>		
Accredited Analytical resources, LLC	732-969-6116	

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FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Laboratories</b>		
Accutest Labs	732-329-0200	
Complete Analysis Labs	(973) 335-2254	

New Jersey Laboratories	(732) 249-0148	
Q.C. Labs	732-214-8378	
Spectrum Laboratories	(732) 752-1400	
US Engineering Laboratory	(732) 382-3553	
<b>Manpower Staffing</b>		
Manpower Inc.	(414) 961-1000 (headquarters)	
<b>Medical Supplies</b>		
Colton's Pharmacy	(908) 353-6653	
CVS Pharmacy	(888) 607-4287 205-879-3569 (Birmingham)	
Rite Aid	(800) 748-3243 205-995-0403 (Birmingham)	
Walgreens	(800) 289-2273	
<b>Mutual Aid Organizations</b>		
<b>CHEMTREC</b>	<b>(800) 424-9300</b>	
<b>Rocky Mountain Poison Control Center</b>	(303) 739-1107	
<b>NRDA Support</b>		
Entrix (Houston Office)	(800) 476-5886 (Concord, CA) (713) 666-6223 (Houston, TX) (713) 817-2469 (Bob Nailon cell)	
<b>Office Supplies</b>		
STAPLES	(908) 862-5855 (956) 541-1500 (Brownsville) (205) 822-1193 (Birmingham)	

**FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED**

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Safety and Industrial Hygiene Equipment</b>		
Clean All Tech Co.	(908) 925-1600	
Hagemeyer - Vallen safety Supply	610-485-4715 X115 800-356-0783 lab safetysupplies	
MSA Safety Equipment	(800) 672-2222	
<b>Services - Additional</b>		
ADDECO Staffing Services (Linden, NJ)	(908) 686-3262	
Brickforce Staffing	(908) 351-2738	
Flexline	(908) 486-3330	
Industrial Rubber	(908) 351-1550	
Safeguard Business Systems	(908) 686-0090	
<b>Transport Companies</b>		
Bouchard Transportation	(800) 645-7244	
Casey Trucking and Rigging	(908) 687-6424	
JDM Trucking	(908) 757-5335	
Kirby Offshore	(718) 720-7207	
McAllister Towing (Tugs)	212-269-3200	
Mileto V Trucking	(908) 862-2627	
Moran Towing	203-442-2836	

FIGURE 3.1-4 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

**Note: Notification Forms can only be printed from the Section File (not available in the Forms Navigator)**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended</b>		
<b>Transport Companies</b>		
Reinauer Transportation	718-816-8281 718-816-8167 800-782-8847 (Ext. 401)	
<b>Vacuum Truck Services</b>		
ALL STATE	908-862-3800	
AUCHTER VAC SERVICE	908-862-2277 908-862-2278 908-925-1515	
Clean Harbors Environmental Services	(732) 248-1997	
<b>Waste Management</b>		
All State Power Vac Corporation	(908) 862-3800	
AUCHTER VAC SERVICE	908-862-2277 908-862-2278	
Clean Venture, Inc.	(908) 355-5800	
Pure Earth RECYCLING - ENVIRONMENTAL	856-696-4401	
WASTER MANAGEMENT	800-633-9096	
<b>Water Intakes</b>		
Non Regulated Generation LLC was Con Edison, Arthur Kill Station	(718) 390-2748 24 hr Control room	
<b>Weather</b>		
Linden Local Weather	(908) 976-1212	
<b>Wildlife Rehabilitation</b>		
Tri-State Bird Rescue and Research Inc.	(302) 737-7241 (302) 737-9562 (Fax) (800) 710-0695*	

	(Pager) (800) 710-0696* (Pager)	
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SECTION 4  
RESPONSE TEAM ORGANIZATION

Last revised: May 1, 2006

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4.1 Description

4.2 Activation Procedures

4.3 Team Member Response Times

4.4 Incident Command System / Unified Command

4.5 Qualified Individual (QI)

Figure 4.5-1 - Emergency Management Team (EMT)  
Activation Procedure

Figure 4.5-2 - Emergency Management Team (EMT)  
Organization Chart

4.6 Emergency Management Team (EMT) Job Descriptions and Guidelines

## 4.1 DESCRIPTION

The Company has developed its emergency response organization around the Incident Command System (ICS), which provides the structure for effective management of response resources. The Emergency Management Team (EMT) has been created and organized to plan for and manage oil spills and other emergencies.

In the event of a significant emergency at a CITGO facility, which requires the activation of a significant portion of the site's Incident Command Organization, there needs to be a mechanism in place to provide augmentation and relief for the affected site's primary ICS position. To meet this manpower requirement CITGO formed the Mobile Emergency Management Team (MEMT).

This group of CITGO employees has been trained to fill one or more of the Incident Command leadership positions in the General and Command Staff to assist the facility in the management of the incident. The CITGO MEMT is organized along Business Unit Lines (Refinery, Lubes and Terminals/Pipelines and Corporate Support) to provide ICS Core Support.

The EMT is composed of personnel from:

- Local/Regional Lubes and Terminals/Pipelines Personnel
- Lubes and Terminals/Pipelines MEMT Personnel
- Corporate MEMT Personnel
- 3<sup>rd</sup> Party Contractors

The EMT will:

- Develop strategies and priorities for a response
- Supervise contractors
- Handle safety and security matters
- Provide logistical support for contractor personnel
- Handle all communications with the media and the public

Job descriptions for each EMT member are provided in **SECTION 4.6**. The EMT will train by participating in exercises as noted in **APPENDIX A**. Refer to **FIGURE 3.1-1** for notification procedures.

## 4.2 ACTIVATION PROCEDURES

Activation of the EMT may be accomplished in stages. Initially, the First Responder assumes the role of Incident Commander (IC). During a spill incident, the initial IC may be able to respond without assistance from the EMT. If the situation requires more resources, he/she may request additional personnel or management support from the EMT. This request is made to the Qualified Individual (QI). The QI would then call out the other EMT members. The EMT activation procedure is provided in **FIGURE 4.5-1**.

## 4.3 TEAM MEMBER RESPONSE TIMES

See **FIGURE 3.1-4** for each team member's response time (EPA Terminals only).

#### 4.4 INCIDENT COMMAND SYSTEM / UNIFIED COMMAND

The Incident Command System (ICS) will be used by the Company EMT for spill response. The EMT organization chart is provided in FIGURE 4.5-2. The organization can be expanded or contracted as necessary.

The Unified Command System (UCS) is the accepted method of organizing key spill management entities within the Incident Command System. The primary entities include:

- Federal On-Scene Coordinator (FOSC)
- State On-Scene Coordinator (SOSC)
- Company Incident Commander

These three people share decision-making authority within the Incident Command System and are each responsible for coordinating other federal, state, and company personnel to form an effective integrated Emergency Management Team. Refer to SECTION 4.6 for detailed checklists of the EMT roles and responsibilities as well as organizational interfaces with external parties.

#### 4.5 QUALIFIED INDIVIDUAL (QI)

This position is mandated by federal regulations.

The Qualified Individual (QI) or Alternate Qualified Individual is an English-speaking representative, available on a 24-hour basis, and trained in the Company response policy and procedures. The QI has the following responsibilities and authorities as required by the Oil Pollution Act of 1990 (OPA 90):

- Activate internal alarm and hazard communication systems to notify all appropriate personnel
- Notify all response personnel and contractors (as needed)
- Identify the character, exact source, amount, and extent of the release and other necessary items needed for notifications
- Notify and provide information to appropriate federal, state and local authorities
- Assess the interaction of the spilled substance with water and/or other substances stored at the facility and notify on-scene response personnel of assessment
- Assess possible hazards to human health and the environment
- Assess and implement prompt removal actions
- Coordinate rescue and response actions
- Access company funds to initiate cleanup activities

The two regulatory primary roles of the QI is the authority to commit funding to support the response and to coordinate the response activities. To fulfill both of these responsibilities the QI

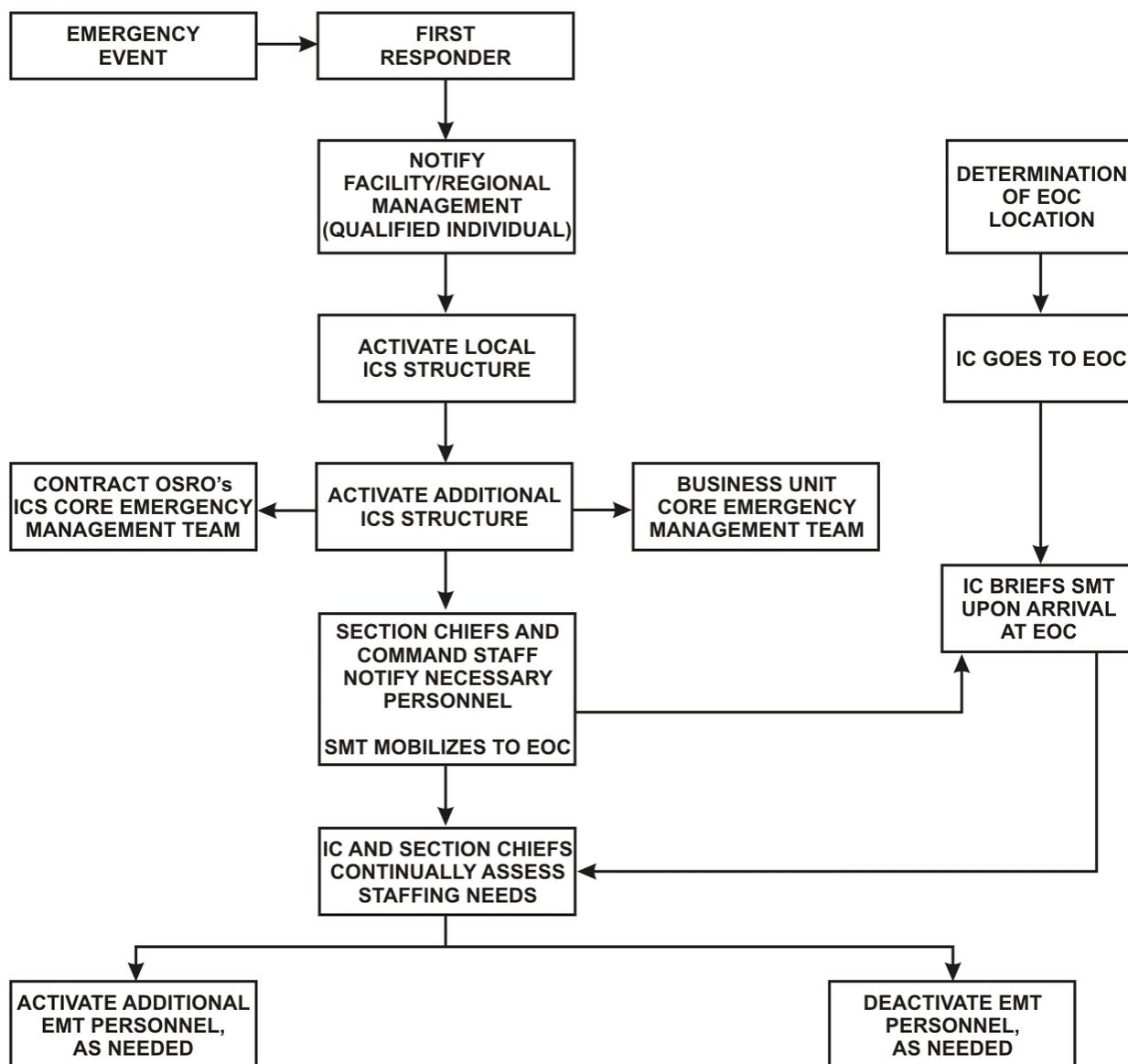
wears two hats in the initial response organization: the QI designation and a designated position within the ICS structure. With the proper training and experience, the QI could fill either the Deputy IC or the Spill Manager position. The Spill Manager reports directly to the IC and assists and advises the IC on the overall management of the response. Once the ICS organization is stood up or the Unified Command is established, the QI responsibilities are significantly reduced and are no longer a primary responsibility. The QI should assume a designated position within the ICS organization where the QI's training, talent, and spill response experiences could be best utilized.

For further information on Qualified Individual's training, refer to **FIGURE A.2-2**. Phone numbers for Qualified Individuals are provided in **FIGURE 1-2** and **FIGURE 3.1-4**.

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FIGURE 4.5-1 - EMERGENCY MANAGEMENT TEAM (EMT) ACTIVATION PROCEDURE



EOC - Emergency Operations Center  
 IC - Incident Commander  
 QI - Qualified Individual



- RP Representative (RP Rep.)
- ICS Command Staff
  - Safety Officer
  - Information Officer (Media Relations)
  - Risk Management
  - Legal
  - Security Officer
  - Information Manager
  - Liaison Officer
- ICS Section Level - Duties and Responsibilities
- Operations Section
  - Operations Section Chief
  - Staging Area Manager
  - Recovery and Protection Branch
  - Emergency Response Branch
  - Air Operations Branch
  - Wildlife Protection Branch
- Planning Section
  - Planning Section Chief
  - Situation Unit Leader
  - Resource Unit Leader
  - Documentation Unit Leader
  - Demobilization Unit Leader
  - Environmental Unit Leader
- Air Support Group (See Air Operations Branch in the Operations Section)
  - Technical Specialists

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- Logistics Section
  - Logistics Section Chief
  - Service Branch
  - Communications Unit
  - Medical Unit
  - Food Unit
  - Support Branch
  - Supply Unit
  - Facilities Unit
  - Ground Support Unit
  - Vessel Support Unit
- Finance/Administrative Section
  - Finance/Administrative Section Chief

- Procurement Unit
- Cost Unit
- Compensation/Claims Unit
- Time Unit

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## ICS INCIDENT LEVEL

### Incident Commander/Deputy Incident Commander (IC/DIC)

A CITGO Emergency Plan designates an Incident Commander and at least one alternate. The deputy Incident Commander functions as the "Chief of Staff" for the emergency event. The Deputy Incident Commander should be fully qualified to assume the IC position. During an emergency event, the person occupying this position may be changed from time to time to meet the needs of the response.

The CITGO Incident Commander (IC) together with, the Federal On Scene Coordinator (FOSC), the State On Scene Coordinator (SOFC), and the local lead agency form the Unified Command and have the following responsibilities:

- Mobilize and implement the Unified Command System needed to proactively accomplish the response requirements. Ensure the Initial Briefing (ICS 201) is prepared.
- Assess priorities, and then set strategic goals and tactical objectives.
- Develop the Incident Action Plan and oversee the implementation of the plan by all responders.
- Authorize the contracting, deploying, ordering, and demobilization of response resources.
- Approve the Site Safety Plan.
- Authorize and coordinate the preparation of media releases and participate in scheduled press conferences.
- Serve as Qualified Individual if necessary.
- Ensure response actions and activities are being documented (ICS 214 and ICS 214a).

Site Specific Items:

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### Spill Manager/Qualified Individual (QI)

The Spill Manager works directly under the Incident Commander and serves as Deputy Incident Commander in the absence of the Incident Commander. During the initial response, it is his responsibility to work with the Operations Section Chief and the Logistics Section in a close support role to accomplish the initial mitigation, containment, and protection schemes. Once the General Plan and Initial Action Plan are prepared and approved, the Spill Manager will assume operational control of all section chiefs. Maintains Individual Log (ICS 214a). Refer to **SECTION 4.5** for QI Responsibilities.

**The RP Representative (RP Rep.)**

Is normally filled by a CITGO Senior Manager and monitors the response for executive management to ensure the response is meeting the corporate goals and to provide corporate guidance offline to the designated CITGO IC. The RP Rep. should attend Unified Command Objective and Planning Meetings as an observer to monitor the progress of the response. The “voting” member at these meetings for the responsible party should be the CITGO IC. The CITGO RP Rep. should take a “one off” position to monitor the progress of the response.

**ICS COMMAND STAFF**

The command staff is made up of management level personnel who are self-directed in support of the response effort. This staff is made up of the Safety Officer, Communications Officer, Risk Management Officer, Legal Officer, Liaison Officer, Media Relations Representative, Security Officer and someone in charge of information management within the response organization. The responsibilities of the command staff positions are as follows:

**Safety Officer**

- Identify and evaluate safety and health hazards that may impact both the response workers and the public; designate exclusion zone boundaries; and determine levels of personal protective equipment required.
- Coordinate with government and industry health and safety officials regarding public health concerns, including evacuations, limiting access to public areas, beaches, and marine closures, and fisheries restrictions.
- Develop the Incident Safety and Health Plan (ICS 206a).
- Ensure that site specific safety and health plans are written and updated as necessary and are read by all responders working at that site.
- Insure that all responders have adequate skills to safely perform assigned tasks, and that required levels of training are documented.
- Determine the scope of environmental monitoring necessary to ensure a safe cleanup effort.
- Manage the safety staff needed to continuously monitor and evaluate safety and health conditions and to prevent unsafe conditions.
- Provide and/or coordinate health and safety training and regular safety briefings.
- Attend media briefings.
- Participate in cause and origin investigative activities if warranted.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

**Information Officer (Media Relations)**

- Serve as the central clearing point for communications to the media.
- Schedule, organize, and conduct media briefings, interviews, and tours.
- Resolve conflicting information and identify media concerns to the Unified Command.
- Coordinate with the Joint Information Center in disseminating official information.
- Develop presentation documentation such as charts, maps, and graphics to support both response operations and media briefings.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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### Risk Management

- Notify insurers of potential involvement.
- Establish a method for tracking claims and payments.
- Establish an on-site base of operations staffed with appropriate personnel.
- Review, authorize, and establish levels of settlement authority as a means of avoiding litigation.
- Keep corporate management and legal advisors informed of activities and make appraisals of potential financial impact.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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### Legal

Provide legal advice and assistance to local operations and the incident commander during and after response operations.

- Work with agency investigators in determining the cause, responsibility, and levels of liability, if any, in the incident.
- Provide advice on documentation of events.
- Work with the environmental manager during NRDA planning and investigations.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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### Security Officer

- Plan and manage security operations for the response effort:
  - Command center security.

- Site security at all cleanup sites.
- Equipment security at cleanup sites, storage areas, warehouses, and laydown yards.
- Provide temporary ID cards when required.
- Establish and maintain liaison with public safety officials.
- Participate in cause and origin investigative activities if warranted.
- Supervise security force of contract personnel and off-duty peace officers.
- Be prepared to handle all security situations as they arise.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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### Information Manager

- Establish and maintain Command Staff and Spill Management Team internal communications to ensure a smooth flow of information within the CITGO Emergency Management Team.
- Act as Incident Historian by establishing the documentation process.
- Utilize standard information display systems, status boards, summary forms, and other methods to effectively manage response information.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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### Liaison Officer

- Coordinate activities of the ICS organization with federal, state, and local officials. Advise agency personnel you will be the contact point.
- Maintain a log of all contacts made with regulatory/governmental agencies. Record time/date of each call and names of agency personnel contacted.
- Identify representatives from each agency, including communication links and location.
- Participate in planning meetings. Provide current agency resource status information.
- Prepare "initial" written reports to agencies as required. Obtain approval from the Legal Officer and/or Incident Commander prior to submittal to agencies.
- Work with Logistics Section Chief to arrange tours and briefings for elected officials, if appropriate.
- Maintain Staff Position Records and Individual Log (ICS 214a).

Site Specific Items:

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## ICS SECTION LEVEL - DUTIES AND RESPONSIBILITIES

### OPERATIONS SECTION

The Operations Section's initial responsibility is to make every effort to mitigate the effects of the spill. It will usually be necessary to do this without guidance of the Planning Section until the General Plan and the Initial Incident Action Plan are prepared and approved. Once these plans are available, all sections should work in a very close support mode throughout the response effort.

#### Operations Section Chief

- Set up and manage the Operations Section branches and units needed to accomplish response operations.
- Assist the Planning Section in defining strategic response goals and tactical objectives detailed in the Incident Action Plan and the Operational Planning worksheets (ICS 215 and 215-1). The Operations Section Worksheet (ICS 215-1) Form is prepared from input from the various Branches and Groups within the Operations Section. It is approved by the Operations Section Chief. The Operations Section Worksheet (ICS 215-1) Form is submitted to the Planning Section for action.
- Develop detailed mission assignments, schedules, duty lists, and operational assignments to accomplish goals and objectives.
- Identify additional response resources required and recommend the release of resources to the Unified Command.
- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

Site Specific Items:

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#### Staging Area Manager

The Staging Manager works directly for the Spill Manager and is responsible for documenting when response equipment arrives at the emergency event. The Staging Manager shall establish a staging area and check in all equipment arriving at or departing from the emergency event. The Staging Manager is also responsible for the dispatching of the response equipment to the Operations Section for deployment. The Staging Manager shall keep the Spill Manager and the ICS Section Chiefs advised as to the equipment assigned to the Staging Area and the operational status of the equipment. Manager(s) of Staging area(s) shall insure the Check-In List (ICS 211), Check-In List for personnel (ICS 211p) and Equipment (ICS 211e) are completed and forward to the Resource Unit. Additionally, as the status of personnel and equipment changes, it is recorded on ICS 210 and sent to the Resource Unit.

#### Recovery and Protection Branch

- Oversee and implement the protection, containment, and cleanup activities established in the Incident Action Plan (IAP).
- Keep Operations Section Chief informed of the status of special activities, events, and occurrences.
- Determine resource needs, review recommendations, and initiate release of

resources.

- Brief and assign operations personnel in accordance with IAP and supervise operations.
- Develop Operations portion of IAP.
- Maintain Branch's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### **Emergency Response Branch**

- Oversee and implement emergency measures to protect life, to mitigate further damage to the environment, and to stabilize the situation.
- Develop operations portion of IAP and supervises operations.
- Determine the need for and request additional resources.
- Report information about special activities, events, and occurrences to Operations Section Chief.
- Maintain Branch's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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### **Air Operations Branch**

- Prepare the air operations portion of IAP and implements its strategic aspects.
- Provide logistical support to helicopters assigned to the incident. The Air Tactical Group supervisor works with ground and air resources to perform specific tactical activities.
- Organize preliminary air operations. Perform operational planning for air operations and coordinate with appropriate Operations Personnel.
- Request declaration or cancellation of restricted air space area, coordinating with the Federal Aviation Administration if necessary. Schedule approved flights of non-incident aircraft in the restricted air space area and resolve conflicts concerning non-incident aircraft.
- Prepare and provide Air Operations Summary Worksheet to the Air Support Group and Fixed Wing Bases.
- Determine coordination procedures for use by air organization with ground Branches, Divisions, or groups.
- Supervise all air operations activities associated with the incident and updates air operations plans.
- Establish procedures for emergency reassignment of aircraft.
- Inform Air Tactical Group Supervisor of the air traffic situation external to the incident.
- Arrange for an accident investigation team, when warranted.
- Prepare Air Operations Summary for the incident (ICS 220).
- Maintain Branch's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### **Wildlife Protection Branch**

- Responsible for minimizing wildlife losses during spill responses; coordinating

early aerial and ground reconnaissance of wildlife at the spill site and reporting results to the Situation Unit Leader; employing wildlife hazing measures as authorized by the IAP; and recovering and rehabilitating impacted wildlife.

- Develop Wildlife Branch portion of the IAP and supervise Wildlife Branch operations, determining resource needs.
- Review suggested list of resources to be released and initiate recommendations for release of resources.
- Assemble and disassemble Strike Teams/Task Forces assigned to the Wildlife Branch.
- Report information about special activities, events, and occurrences to the Operations Section Chief and maintain Unit/Activity Log (ICS 214 or ICS 214a).

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## PLANNING SECTION

The Planning Section's initial responsibility is to develop an Initial Action Plan for the response activities as soon as possible; then, using that plan, develop a daily incident action plans thereafter for the duration. Plans must include provisions for all phases of the cleanup but must contain the flexibility to accommodate changes due to weather, availability of resources, regulatory pressures, and other unexpected factors.

### Planning Section Chief

- Provide the Unified Command with a detailed Incident Action Plan that is based on projected response needs. Assist with the development of the Operational Planning worksheet (ICS 215) and complete the Incident Objectives Form (ICS 202) after the Formal Planning Meeting. Ensure the Planning Section Worksheet (ICS 215A-1) is prepared and all event objectives for the next operational period are listed on the ICS 215A-1 Form. This form is prepared by the Situation Unit Leader with primary input from the Resources Unit Leader and from input from the various Units and Technical Specialist within the Planning Section. It is approved by the Planning Section Chief This form is submitted to the Logistics Section for action.
- Evaluate alternative strategies and tactical operations options that anticipate changing requirements.
- Collect, analyze, and disseminate information to the Unified Command as regards:
  - Casualty information
  - Discharge information, observations, and forecasts
  - Environmental observations and forecasts
  - Impacts to environmental and economic resources
  - The status of response operations
- Collect, analyze, and disseminate information to the Unified Command regarding the status of current and projected response resources, including:
  - Personnel
  - Equipment and vehicles
  - Vessels and aircraft
  - Facilities

- Expendables
- Predict potential impacts on natural resources and determine needs to:
  - Establish wildlife recovery and rehab protocols based upon species, location, availability of care facilities, and natural resources trustee relationships.
  - Identify resource and logistics requirements to accomplish hazing, capture, triage, care, transport, rehab, and release of wildlife.
  - Collect and coordinate information required to document natural resource damage assessments.
- Provide the Unified Command with a disposal plan that details the collection, transportation, temporary storage, recycling, and disposal of all anticipated response wastes.
- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

Site Specific Items:

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**Situation Unit Leader**

- Develop and update response goals and objectives in anticipation of each phase of response. Update Initial Information as required.
- Develop and modify detailed incident action plans based on projected response needs (when necessary).
- Prepare and update alternative response strategies and operational plans that anticipate changing requirements.
- Obtain briefing and special instructions from Planning Section Chief and participate in planning meetings as required.
- Identify response agencies, groups, individuals and/or resources that need to be incorporated into the response.
- Collect, analyze, and disseminate information about the incident including:
  - Casualty information
  - Discharge information, observations and forecasts
  - Environmental observations and forecasts
  - Impacts to natural and economic resources
  - The status of response operations
- Collect, analyze, and disseminate information about the status of current and projected response resources, including:
  - Personnel
  - Equipment
  - Vessels
  - Aircraft
  - Vehicles
  - Facilities

- Materials and Supplies
- Prepare the Incident Status Summary (ICS 209) Incident Executive Summary and provide status reports upon request.
- Provide photographic services and maps.
- Prepare Daily Meeting Schedule (ICS 230) and ensure Meeting Summary (ICS 231) is prepared by the Meeting Facilitator.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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**Resource Unit Leader**

- Maintain the status of all primary and support resources at an incident by developing and maintaining a master list of all resources, including check-in, status, current location, etc.
- Using the Incident Briefing (ICS 201), prepare and maintain the Incident Situation Display.
- Establish contact with incident facilities to track resource status.
- Gather, post, and maintain incident resource status and provide status reports upon request.
- Maintain master roster of all resources checked in at the incident.
- Prepare Organizational Assignment List (ICS 203) including appropriate parts of Assignment Lists (ICS 204, ICS 204a) and Organizational Chart (ICS 207).
- Obtain briefing and special instructions from Planning Section Chief and participate in planning meetings as required.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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**Documentation Unit Leader**

- Responsible for the maintenance of accurate, up-to date incident files.
- Work with the Financial/Administrative Section Chief, Planning Section Chief, Operations Section Chief, Command Staff and Incident Commander to develop special documentation guidelines for use by appropriate response personnel. Distribute guidelines.
- Assist Incident Commander (Unified Command) in maintaining accurate records of response decisions and actions.
- Ensure the incident events are being recorded as they occur. Ensure all ICS components are utilizing ICS Form 214 to record events.
- From the Event Logs (ICS Form 214), develop a Summary of Events for each 24-hour planning cycle. This report should include the following information:
  - A chronological narrative of the event during the planning cycle
  - Effectiveness of response actions
  - Status of repair activities

- Difficulties encountered
  - Recommendations
  - Maps, charts, photographs or diagrams of the affected areas
  - Any additional information as requested or required to document the event
  - A copy of the report shall be forwarded to the Planning Section Chief for Review. The review report shall be forwarded to the Incident Commander.
- 
- Establish duplication service and respond to requests.
  - File copies of all official forms, reports, and newspaper articles.
  - Maintain a file for newspaper articles, radio and television broadcasts, press conferences and briefings as provided by the Media Relations Staff.
  - Ensure all the ICS components are utilizing the appropriate ICS forms to document their actions and there is a coordinated flow of information within the ICS Organization.
  - Provide incident documentation to appropriate requesters. Obtain approval from the Planning Section Chief (Incident Commander) before release of information.
  - Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Linden****Page 4 - 26****Demobilization Unit Leader**

- Review incident resource records to determine size of demobilization effort and evaluate logistics and transportation capabilities required to support demobilization.
- Prepare and obtain approval of Demobilization Plan. In cooperation with the logistics section, provide plans for the orderly decontamination of excess and surplus equipment. Distribute Demobilization Plan to each processing point.
- Monitor implementation and assist in coordinating the Demobilization Plan. Provide for the orderly demobilization of response resources as soon as they become surplus.
- Obtain briefing and special instructions from Planning Section Chief and participate in planning meetings as required.
- Provide status reports to appropriate requesters.
- Ensure the Demobilization Check-Out form (ICS 221) is prepared and completed forms are returned for filing.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Linden****Page 4 - 27****Environmental Unit Leader**

- Provide scientific and technical information and analysis to support response planning and operations.
- Identify sensitive areas and recommend response priorities.
- Acquire, distribute, and provide analysis of weather forecasts.
- Identify the need for, and prepare, and/or obtain the following: permits and special

advisories or orders.

- Evaluate alternative response technology including dispersants, chemical counter-measures, in situ burning, bioremediation, etc.
- Develop plan for collecting, transporting, and analyzing samples.
- Coordinate with Natural Resource Trustees to forecast, identify and assess natural resource damages including damages to wildlife and historical/cultural resources.
  - Provide Planning Section Chief with forecasts and analysis of natural resource damages to directly support strategic response planning and assist in the prioritization of removal actions.
  - Identify to the Planning Section Chief changes in protection priorities and/or response activities that could prevent, reduce, or minimize impacts to natural resources.
- Develop disposal plans.
  - Provide the Planning Section Chief with a disposal plan that details the collection, temporary storage, transportation, recycling and disposal of all anticipated response wastes
  - Direct the collection, temporary storage, transportation, recycling and disposal of recovered wastes.
  - Estimate the volume of waste that may be recovered and ensure that adequate resources and logistics support are provided.
  - Manage temporary storage sites and prevent secondary discharges and cross-contamination.
  - Confirm the laboratory results characterizing the wastes as hazardous or non-hazardous and prepare RCRA manifests as required.
  - Confirm the capacities of recycling and disposal sites.
- Obtain briefing and special instructions from Planning Section Chief and participate in planning meetings as required.
- Provide status reports to appropriate requesters.
- Responsible for preparing Resources at Risk Summary (ICS 232) and ACP Site Index Form (ICS 232a).
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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### **Air Support Group (See Air Operations Branch in the Operations Section)**

#### **Technical Specialists**

These are advisors with special skills needed to support the incident. Technical specialists may be assigned anywhere within the ICS Organization and may include Scientific Support Coordinators, Sampling Specialists, Response Technologies Specialists, Trajectory Analysis Specialists, Weather Forecast Specialists, Resources at Risk Specialists, Shoreline Cleanup Assessment Specialists, Historical/Cultural Resource Specialists, Disposal Specialists, Legal Specialists and Human Resource Specialists. The Planning Section will maintain a list of available specialists and will assign them where needed.

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## LOGISTICS SECTION

The Logistics Section is staffed with local personnel supplemented by members from the Command Staff such as Purchasing, Employee Relations and Telecommunications personnel will be called in as necessary.

### Logistics Section Chief

- Set up and manage the Logistics Section branches and units needed to accomplish response objectives.
- Receive the Planning Section Worksheet (ICS 215A-1) and utilize the information on the form to prepare the Logistics Section Worksheet (ICS 215B-1). This form documents that all event objectives are supported with the necessary resources for the next operational period. If an objective listed on the Planning Section Worksheet (ICS 215A-1) cannot be supported by resources or the resources are unavailable for the next operational period, this information should be passed back to the Planning Section to revise the incident objectives. This form is prepared from input from the various Branches and Units within the Logistics Section. It is approved by the Logistics Section Chief. The Logistics Section Worksheet (ICS 215B-1) Form is submitted to the Admin/Finance Section for action.
- Ensure the prompt delivery of resources to support response operations.
- Manage, document, support and, where possible, anticipate the need for response resources, equipment, personnel and services.
- Develop logistics alternatives to support Planning and Operations Sections missions.
- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

Site Specific Items:

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### Service Branch

- Responsible for managing all service activities at the incident, supervising the operations of the Communications Unit, Medical Unit, and Food Unit.
- Obtain working materials for Logistic Kit and determine level of service required to support operations.
- Confirm dispatch of Branch personnel and coordinate activities of Service Branch Units, informing Logistic Section Chief of activities and resolving Service Branch problems.
- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### Communications Unit

- Develop, support and maintain an Incident Communications Plan (ICS 205, ICS 205a, ICS 216 and ICS 217).
- Procure and maintain all necessary communications equipment including telephones, cellular phones, fax machines, portable and base station radios as

needed for the response effort.

- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### Medical Unit

- Provide emergency and routine medical services to response personnel.
- Manage dedicated medical unit services and coordinate additional medical services as needed.
- Develop the Incident Medical Plan (ICS 206) and assist as necessary with the Site Safety Plan (ICS 206a).
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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### Food Unit

- Provide and coordinate meals and subsistence support to response personnel.
- Plan, document, and account for the number of meals required.
- Establish kitchens, galleys, canteens, and other food service support.
- Establish and manage sources of supply to support meals and subsistence requirements.
- Provide potable drinking water, coolers, and other beverages required to support response operations.
- Identify resources and support needs.
- Develop the Incident Meal/Feeding Plan (ICS 215b).
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### Support Branch

- Develop and implement logistic plans in support of the IAP, including providing personnel, equipment, facilities, and supplies to support incident operations; supervise the operation of the Supply Facilities, Ground Support, and Vessel Support Units.
- Obtain work materials from Logistic Kit, identify Support Branch personnel dispatched to the incident, and determine resource needs.
- Determine initial support operations in coordination with Logistic Section Chief and Service Branch Director and prepare initial organization and assignments for support operations.
- Maintain surveillance of assigned unit work progress and inform Logistic Section Chief of activities.
- Resolve problems associated with requests from Operations Section.
- Maintain Branch's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### Supply Unit

- Receive and coordinate delivery of response equipment, material and expendables.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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**Facilities Unit**

- Provide and coordinate response facility locations including: Command Posts, Operations bases, staging sites, piers, warehouses, communications facilities, housing, dining, and sanitary facilities, etc. (as needed).
- Provide, manage, and support facility utility and maintenance services.
- Provide portable hygiene and bathroom facilities to support remote operations locations.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Ground Support Unit**

- Provide, prioritize, schedule, and coordinate response transportation services.
- Operate and manage the "motor pool" of dedicated ground transportation vehicles, including cars, vans, buses, and trucks.
- Assign and coordinate duty driver schedules.
- Identify additional transportation resources and logistics support needed.
- Ensure the Support Vehicle Inventory (ICS 218) is prepared.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Vessel Support Unit**

- Provide, prioritize, schedule, and coordinate water to land transport with Ground Support Unit, as necessary.
- Coordinate the transportation of personnel, supplies, food, and equipment for waterborne resources.
- Responsible for fueling, servicing, maintaining and repairing vessels and other vessel support equipment and supporting the out-of-service vessel resources.
- Implement vessel routing plan.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

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**FINANCE/ADMINISTRATIVE SECTION**

The Finance/Administrative section is staffed with local personnel supplemented with Command Staff personnel such as Purchasing and Risk Management. Accounting clerks may be used to track equipment usage, man hour, and contractor costs.

**Finance/Administrative Section Chief**

Coordinate and ensure the proper completion of response cost accounting

- documentation.
- Coordinate with and provide support for contracting services and purchasing.
- Receive the Logistics Section Worksheet (ICS 215B-1) Form and utilize the information on the form to prepare the Admin/Finance Section Worksheet (ICS 215C-1). It is the responsibility of the Procurement Unit to prepare the worksheet if the unit has been activated. The worksheet is approved by the Admin/Finance Section Chief. This form documents that all event objectives are supported with the necessary resources and the resources have been ordered and an ETA has been established for the resources to arrive at the event. If an objective listed on the Logistics Section Worksheet (ICS 215B-1) cannot be supported by resources or the resources are unavailable for the next operational period, this information should be passed back to the Logistics and Planning Sections to revise the incident objectives. The Admin/Finance Section Worksheet (ICS 215C-1) Form is submitted to the Planning Section Resource Unit Leader to track resources for the next operational period.
- Identify additional financial services needs.
- Review IAP; maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

Site Specific Items:

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### **Procurement Unit**

- Negotiate, coordinate, document, and manage all contracts needed.
- Manage, document, and account for all procurement orders needed.
- Manage, document, and account for all payments made to support response operations.
- Coordinate with local jurisdictions on supply sources.
- Contact appropriate Branches/Sections on incident needs and any special procurement.
- Prepare and sign land use agreements as needed.
- Coordinate use of cash funds as required.
- Complete final processing of invoices and send documents for payment.
- Prepare the Admin/Finance Section Worksheet (ICS 215C-1) Form.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

### **Cost Unit**

- Manage and perform cost documentation in accordance with corporate requirements to account for response costs.
- Manage and document response costs based on the time personnel, equipment and other resources are accountable to the response effort.
- Perform costs documentation and time keeping services.

- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Linden****Page 4 - 35****Compensation/Claims Unit**

- Establish procedures for the documentation and handling of claims as a result of the emergency event.
- Working with the Communication Branch, establish a "Claims Reporting Hotline".
- Manage and document claim costs (ICS 215c).
- Keep the Finance Section Chief informed as to the current status and level of claims related to the emergency event.
- Assist with and coordinate the efforts of the insurance carrier in processing claims.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

**Time Unit**

- Responsible for equipment and personnel time records.
- Obtain briefing and any special instructions from the Finance/Administrative Section Chief (Incident Commander). Brief Finance/Administration Section Chief on current problems, recommendations, outstanding issues, and follow-up requirements.
- Determines resource needs and establishes contact with appropriate company/agency personnel/representatives.
- Ensure that daily personnel and equipment time recording documents are prepared in compliance with time policies.
- Ensure all records are current or complete and releases time reports from assisting organizational entities to the respective representatives prior to demobilization.
- Provide for records security.
- Maintain Unit's Records and Unit/Activity Log (ICS 214 or ICS 214a).

SECTION 5  
INCIDENT PLANNING

Last revised: May 1, 2006

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5.1 Documentation Procedures

5.2 Incident Action Plan Process and Meetings

Figure 5.2-1 Operational Period Planning Cycle

5.2.1 Incident Occurs / Notifications

5.2.2 Initial Response and Assessment

5.2.3 Unified Command Objectives Meeting

5.2.4 Tactics Meeting

5.2.5 Planning Meeting

5.2.6 Incident Action Plan (IAP) Preparation and Approval

5.2.7 Operations Briefing

5.2.8 Assess Progress

5.2.9 Initial Unified Command Meeting

5.2.10 Command Staff Meeting

5.2.11 Command General Staff Breakfast/Supper

5.2.12 Business Management Meeting

5.2.13 Agency Representative Meeting

5.2.14 News Briefing

SECTION 5  
INCIDENT PLANNING, CONTINUED

Last revised: January 1, 2005

5.3 ICS Forms

5.3.1 Incident Briefing ICS 201-OS

5.3.2 Incident Action Plan (IAP) Cover Sheet

5.3.3 Incident Objectives ICS 202-OS

5.3.4 Organization Assignment List ICS 203-OS

5.3.5 Assignment List ICS 204-OS

5.3.6 Communications Plan ICS 205-OS

5.3.7 Medical Plan ICS 206-OS

5.3.8 Incident Status Summary ICS 209-OS

5.3.9 Unit Log ICS 214-OS

5.3.10 Individual Log ICS 214a-OS

5.4 Site Safety and Health Plan

5.5 Decontamination Plan

5.6 Disposal Plan

5.7 Incident Security Plan

5.8 Demobilization Plan

## 5.1 DOCUMENTATION PROCEDURES

Documentation of a spill response provides a historical record, keeps management informed, serves as a legal instrument, and is a means to account for the cleanup costs.

Documentation should begin immediately upon spill notification and continue until termination of all operations. Documentation should include the following:

- Spill origin and characteristics
- Sampling surveys
- Photographic surveys
- Climatological data
- Labor and equipment accounting
- Copies of all logs, contracts, contacts, and plans prepared for incident

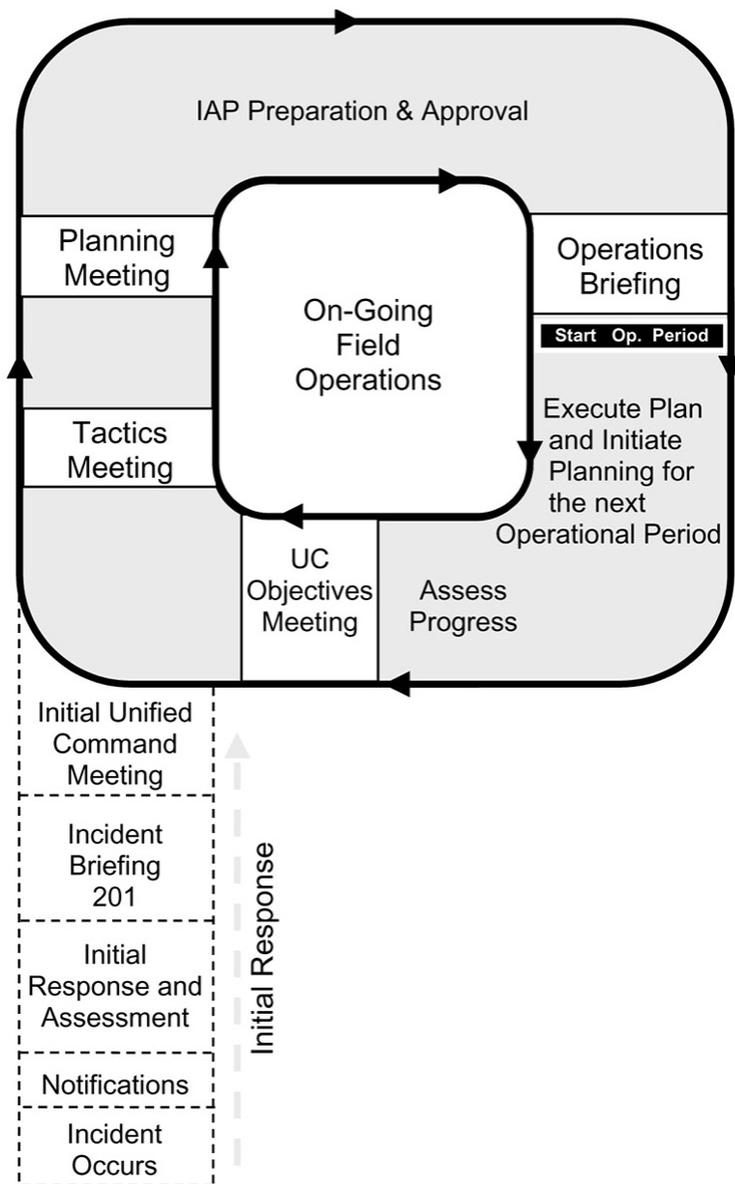
## 5.2 INCIDENT ACTION PLAN PROCESS AND MEETINGS

The period of INITIAL RESPONSE AND ASSESSMENT occurs in all incidents. Short-term responses (small in scope and/or duration, e.g., few resources working one operational period) can often be coordinated using only ICS 201 Briefings.

Longer-term, more complex, responses will likely require a dedicated Planning Section Chief (PSC) who must arrange for transition into the OPERATIONAL PERIOD PLANNING CYCLE. Certain meetings, briefings, and information gathering during the Cycle lead to the Incident Action Plan (IAP) that guides operations of the next operational period. Only the meetings and events directly relevant to assembling the IAP are described. The IC/UC specifies the operational periods (e.g., 12-hour shifts, sunrise to sunset, 24-hour shifts etc.).

The SPECIAL PURPOSE meetings are most applicable to larger incidents requiring an OPERATIONAL PERIOD PLANNING CYCLE, but may have utility during INITIAL RESPONSE AND ASSESSMENT. The UNIFIED COMMAND MEETING and other special purpose meetings are briefly noted.

### **FIGURE 5.2-1 OPERATIONAL PERIOD PLANNING CYCLE**



### 5.2.1 Incident Occurs / Notifications

When an incident occurs, notifications will be made to the appropriate federal, state, and local agencies and the initial assessment and response actions will begin.

### 5.2.2 Initial Response and Assessment

#### INCIDENT BRIEFING (ICS 201)

During the transfer of command process, an ICS 201 formatted briefing provides the incoming IC/UC with basic information regarding the incident situation and the resources allotted to the incident. Most importantly, it is the de facto Incident Action Plan (IAP) for the initial response and remains in force and continues to develop until the response ends or the Planning Section generates the incident's first IAP. It is also suitable for briefing individuals newly assigned to Command and General Staff, as well as needed assessment briefings for the staff.

When: New IC/UC; staff briefing, as required

Briefer: Current IC/UC

Attendees: Prospective IC/UC; Command, and General Staff, as required  
Agenda: Using ICS 201 as an outline, included:

1. Situation (note territory, exposures, safety concerns, etc; use map/charts).
2. Objectives and priorities.
3. Strategies and tactics.
4. Current organization.
5. Resource assignments.
6. Resources en route and/or ordered.
7. Facilities established.

### OPERATIONAL PERIOD PLANNING CYCLE (Events most related to assembling IAP)

#### 5.2.3 Unified Command Objectives Meeting

The IC/UC will review/identify and prioritize objectives for the next operational period for the ICS 202 form. Objectives from the previous operational period are reviewed and any new objectives are identified.

When: Prior to Tactics Meeting  
Facilitator: UC Member  
Attendees: UC Members; Command and General Staff, as appropriate  
Agenda:

1. Review/identify objectives for the next operational period (clearly stated and attainable with the resources available, yet flexible enough to allow Operations Section Chief to choose tactics).
2. Review any open agenda items from initial/previous meetings.

#### 5.2.4 Tactics Meeting

This 30-45 minute meeting creates the blueprint for tactical deployment during the next operational period. In preparation for the Tactics Meeting, the Planning Section Chief and Operations Section Chief review the current IAP and situation status information, as provided through the Situation Unit, to assess work progress against IAP objectives. The Operations Section Chief/Planning Section Chief will jointly develop primary and alternate strategies to meet objectives for consideration at the next Planning Meeting.

When: Prior to Planning Meeting  
Facilitator: Planning Section Chief  
Attendees: Planning Section Chief, Operations Section Chief, Logistics Section Chief, Resources Unit Leader, Situation Unit Leader, and Environmental Unit Leader  
Agenda:

1. Review the objectives for the next operational period.
2. Develop strategies (primary and alternatives).
3. Prepare a draft of ICS 215 to identify resources that should be ordered through Logistics.

#### 5.2.5 Planning Meeting

This meeting defines incident objectives, strategies, and tactics and identifies resource needs for the next operational period. Depending on incident complexity, this meeting should last no longer than 45 minutes. This meeting fine-tunes objectives and priorities, identifies and solves problems, and defines work assignments and responsibilities on a completed ICS Form 215 (Operations Planning Worksheet). Meeting preparations include conducting a Tactics Meeting. Displays in the meeting room should include Objectives (ICS 202) for the next operational period, large sketch maps or charts clearly dated and timed, poster-size Operational Planning Worksheet (ICS 215), current resource inventory prepared by Resources Unit, and current situation status displays prepared by Situation Unit. After the meeting, the ICS 215 is used by the Logistics Section Chief to prepare the off-incident tactical and logistical resource orders, and used by Planning Section Chief to develop IAP assignment lists.

When: After the Tactics Meeting  
Facilitator: Planning Section Chief  
Attendees: Determined by IC/UC, generally IC/UC, Command Staff, General Staff, Air Operations Section Chief, Resources Unit Leader, Situation Unit Leader, Environmental Unit Leader, and Technical Specialists, as required  
Agenda: See following page

### 5.2.5 Planning Meeting, Continued

1. State incident objectives and policy issues. IC/UC
2. Briefing of situation, critical and sensitive areas, weather/sea forecast, resource status/availability. Planning Section Chief w/Situation Unit Leader, Resources Unit Leader
3. State primary and alternative strategies to meet objectives. Operations Section Chief w/Planning Section Chief, Logistics Section Chief
4. Designate Branch, Division, Group boundaries and functions, as appropriate; use maps and ICS 215. Operations Section Chief
5. Specify tactics for each Division, note limitations. Operations Section Chief, Situation Unit Leader assist
6. Specify resources needed by Divisions/Groups. Operations Section Chief, w/Planning Section Chief, Logistics Section Chief
7. Specify operations facilities and reporting locations (plot on map). Operations Section Chief, Logistics Section Chief assist
8. Develop resources, support, and overhead order(s). Planning Section Chief, Logistics Section Chief
9. Consider support issues and agree on plans: communications, traffic, safety, medical, etc. Logistics Section Chief, Planning Section Chief assist
10. Assisting or cooperating agency and stakeholder group considerations regarding Incident Action Plan. Liaison Officer
11. Safety considerations regarding Incident Action Plan. Safety Officer
12. News media/public considerations regarding Incident Action Plan. Information Officer
13. Finalize, approve Incident Action Plan for next operational period. IC/UC

### 5.2.6 Incident Action Plan (IAP) Preparation and Approval

Immediately following the Planning Meeting, the attendees prepare their assignments for the IAP to meet the Planning Section Chief deadline for assembling the IAP components. The deadline will be early enough to permit timely IC/UC approval, and duplication of sufficient copies for the Operations Briefing and for overheads.

When: Immediately following Planning Meeting, Planning Section Chief assigns deadline  
Facilitator: Planning Section Chief

<b>Common Components:</b>		<b>Responsible to Prepare</b>
1.	Incident Objectives (ICS 202)	[Resources Unit Leader]
2.	Organization List (ICS 203)	[Resources Unit Leader]
3.	Assignment List (ICS 204)	[Resources Unit Leader/Planning Section Chief]
4.	Communications Plan (ICS 205)	[Communications Unit Leader]
5.	Medical Plan (ICS 205)	[Medical Unit Leader]
6.	Incident Map	[Situation Unit Leader]

Optional Components (use as pertinent):

<b>Optional Components (use as pertinent):</b>		<b>Responsible to Prepare</b>
1.	Air Operations Summary (ICS 220)	[Air Operations Branch Director]
2.	Traffic Plan	[Ground Support Unit Leader]
3.	Demobilization Plan	[Demobilization Unit Leader]

**Linden**

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### 5.2.7 Operations Briefing

This less-than-30-minute meeting conveys the IAP for the oncoming shift to the response organization. After this meeting, off-going field supervisors should be interviewed by their reliefs and by Operations Section Chief in order to further confirm or adjust the course of the new shift's IAP. Shifts in tactics may be made by the operations section supervisors. Similarly, a supervisor may reallocate resources within a division or group to adapt to changing conditions.

When: About an hour prior to each shift

Facilitator: Planning Section Chief

Attendees: IC/UC, Command Staff, General Staff, Branch Directors, Division/Group Supervisors, Task Force/Strike Team Leaders (if possible), Unit Leaders, others as appropriate

<b>Agenda:</b>		<b>Responsible to Present</b>
1.	Review of IC/UC Objectives, changes to IAP.	[Planning Section Chief]
2.	Current response actions and last shift's accomplishments.	[Operations Section Chief]
3.	Weather and sea conditions forecast.	[Situation Unit Leader]
4.	Division/Group and air operations assignment.	[Operations Section Chief]
5.	Trajectory analysis.	[Situation Unit Leader]
6.	Transport, communications, supply updates.	[Logistics Section Chief]
7.	Safety message.	[Safety Officer]

8.	Financial report.	[Finance/Administration Section Chief]
9.	News Media report.	[Information Officer]
10.	Assisting/cooperating organization/agency reports of concern.	[Liaison Officer]
11.	Incident Action Plan endorsement and motivational remarks.	[IC/UC]

### 5.2.8 Assess Progress

The Operations and Planning Sections will review the incident response progress and make recommendations to the IC/UC in preparation for reviewing/identifying objectives for the next operational period. This feedback/information is gathered from various sources, including Field Observers, responder debriefs, stakeholders, etc.

## SPECIAL PURPOSE MEETINGS

### 5.2.9 Initial Unified Command Meeting

Provides UC officials with an opportunity to discuss and concur on important issues prior to joint incident action planning. The meeting should be brief, and important points documented. Prior to the meeting, parties should review and prepare to address the agenda items. Planning Meeting participants will use the results of this meeting to guide the response efforts.

### 5.2.9 Initial Unified Command Meeting, Continued

When: When UC is formed, prior to the first operational period Planning Meeting  
 Facilitator: UC member  
 Attendees: Only ICs who will comprise UC

#### Agenda:

1. Identify jurisdictional priorities and objectives.
2. Present jurisdictional limitations, concerns, and restrictions.
3. Develop collective set of incident objectives.
4. Establish and agree on acceptable priorities.
5. Adopt an overall strategy to accomplish objectives.
6. Agree on basic organizational structure and size.
7. Designate the best-qualified and acceptable Operations Section Chief.
8. Agree on General Staff personnel designations and planning, logistical, and finance agreements and procedures.
9. Agree on resource ordering procedures.
10. Agree on cost-sharing procedures.
11. Agree on informational matters.
12. Designate a Unified Command spokesperson.

### 5.2.10 Command Staff Meeting

Coordinate Command Staff functions, responsibilities and objectives. It is scheduled as necessary by the IC/UC. Command Staff (IC/UC, Safety Officer, Liaison Officer, Information Officer) attend.

### **5.2.11 Command and General Staff Breakfast/Supper**

An opportunity for the Command (IC/UC, Safety Officer, Liaison Officer, Information Officer) and General Staff (Operations Section Chief, Planning Section Chief, Logistics Section Chief, Finance/Administration Section Chief) to gather under informal and relaxing conditions to share and update each other on developing issues.

### **5.2.12 Business Management Meeting**

This under-30-minute meeting is for participants to develop and update the operating plan for finance and logistics support. The agenda could include: finance requirements and criteria imposed by contributing organizations, business operating plan for resource procurement and incident funding, cost analysis and financial summary data. Attendees include: Finance/Administration Section Chief, Cost Unit Leader, Logistics Section Chief, Supply Unit Leader, Demobilization Unit Leader. It is generally conducted before the PLANNING MEETING.

### **5.2.13 Agency Representative Meeting**

To update agency representatives and ensure that they can support IAP. Conducted by Liaison Officer, attended by Agency Representatives. Most appropriately held after the PLANNING MEETING in order to announce plans for next operational period, yet allow for changes should the plan's expectations be unattainable by an agency.

### **5.2.14 News Briefing**

To brief the news media and public on the most current and accurate incident facts. Set up by the Information Officer, moderated by an appropriate representative, and featuring selected spokespersons. Spokespersons should be prepared by the Information Officer to address anticipated issues. The briefing should be well planned, organized, and scheduled to meet the media's needs.

## **5.3 ICS FORMS**

**All ICS Forms are available electronically via this Plan's Forms Navigator.**

- **INCIDENT BRIEFING FORM - ICS 201 (Initial Report Only)**

For use by the Command Staff to gather information on the Emergency Management Team's (EMT) efforts to implement applicable response plans. It is prepared by the initial Incident Commander (IC) for providing documentation of the initial response.

- **INCIDENT ACTION PLAN**

For use by the Planning Section to plan each day's response actions. This plan consists of the portions identified on the IAP cover page and must be approved by the Incident Commander, Federal On-Scene Coordinator (FOSC), and State On-Scene Coordinator (SOSC).

In addition, these Incident Command System (ICS) forms may be found on the U.S. Coast Guard web page: <http://www.uscg.mil/pacarea/pm/icsforms/ics.htm>

- **INCIDENT ACTION PLAN (IAP) COVER SHEET**

For use in presenting initial information, signature approval, and table of contents of forms contained in the IAP.

- **INCIDENT OBJECTIVES - ICS 202**

Describes the basic incident strategy, control objectives, and provides weather, tide and current information, and safety considerations for use during the next operational period.

- **ORGANIZATION ASSIGNMENT LIST - ICS 203**

Provides ICS personnel with information on the units that are currently activated and the names of personnel staffing each position/unit.

- **ASSIGNMENT LIST - ICS 204**

Submits assignments at the level of Division and Groups.

- **COMMUNICATIONS PLAN - 205**

Is used to provide, in location, information on all radio frequency assignments down to Division/Group level for each operation period.

- **MEDICAL PLAN - ICS 206**

Provides information in incident medical aid stations, transportation services, hospitals, and medical emergency procedures.

### 5.3 ICS FORMS, CONTINUED

**All ICS Forms are available electronically via the Forms Navigator.**

- **INCIDENT STATUS SUMMARY - ICS 209**

Used to inform personnel about the status of response efforts. It is not included in the IAP.

- **UNIT LOG - ICS 214**

Used to log activities for an entire unit.

- **INDIVIDUAL LOG - ICS 214a**

Used to log activities for an individual.

#### 5.3.1 Incident Briefing ICS 201-OS

1. Incident Name	2. Prepared By: (name)  Date:                      Time:	INCIDENT BRIEFING ICS 201-OS
<p>3. Map/Sketch</p> <p>(Include maps drawn here or attached, showing the total area of operations, the incident site/area, overflight results, trajectories, impacted shorelines or other graphics depicting situational and response status)</p>		
INCIDENT BRIEFING	March, 2000	ICS 201-OS (pg 1 of 4)

**Linden****Page 5 - 13****5.3.1 Incident Briefing ICS 201-OS, Continued**

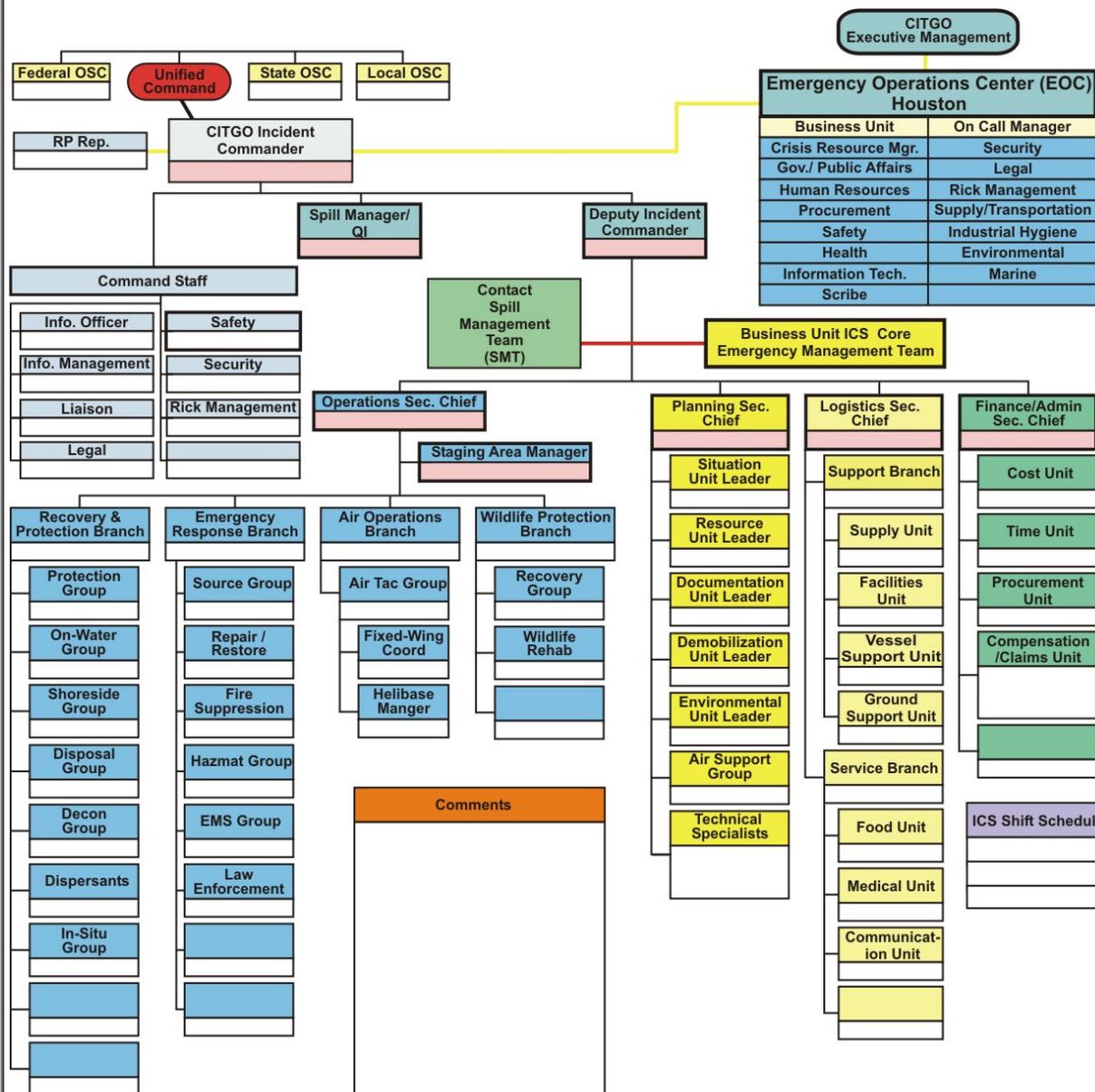
1. Incident Name	2. Prepared By: (name)	INCIDENT BRIEFING ICS 201-OS
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5.3.1 Incident Briefing ICS 201-OS, Continued

1. Incident Name	2. Prepared By: (name)	<b>INCIDENT BRIEFING</b> ICS 201-OS
	Date:                      Time:	

6. Current Organization





INCIDENT BRIEFING		March, 2000		ICS 201-OS (pg 4 of 4)	

**Linden****Page 5 - 16****5.3.2 Incident Action Plan (IAP) Cover Sheet**

1. Incident Name	2. Operational Period to be covered by IAP (Date/Time)		IAP COVER SHEET
	From:	To:	

**3. Approved by:**

FOSC

SOSC

IC

**INCIDENT ACTION PLAN**

The items checked below are included in this Incident Action Plan:

- ICS 202-OS (Incident Objectives)
- ICS 203-OS (Organization Assignment List)
- ICS 204-OS (Assignment List)
- ICS 205-OS (Communications Plan)
- ICS 206-OS (Medical Plan)
- ICS 209-OS (Incident Status Summary)
- ICS 214-OS (Unit Log)
- ICS 214a-OS (Individual Log)
- 
- 

**4. Prepared By:** (Planning Section Chief)**Date/Time:**

IAP COVER SHEET

March, 2000



## 5.3.4 Organization Assignment List ICS 203-OS

1. Incident Name	2. Operational Period (Date/Time)  From:            To:	ORGANIZATION ASSIGNMENT LIST ICS 203-OS																					
<b>3. Incident Commander and Staff</b>																							
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 40%;">Primary</th> <th style="width: 40%;">Deputy</th> </tr> </thead> <tbody> <tr> <td>Federal:</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>State:</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>IC:</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td>Safety Officer :</td> <td colspan="2"><input type="text"/></td> </tr> <tr> <td>Information Officer:</td> <td colspan="2"><input type="text"/></td> </tr> <tr> <td>Liaison Officer:</td> <td colspan="2"><input type="text"/></td> </tr> </tbody> </table>			Primary	Deputy	Federal:	<input type="text"/>	<input type="text"/>	State:	<input type="text"/>	<input type="text"/>	IC:	<input type="text"/>	<input type="text"/>	Safety Officer :	<input type="text"/>		Information Officer:	<input type="text"/>		Liaison Officer:	<input type="text"/>		<b>7. Operations Section</b>
	Primary	Deputy																					
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IC:	<input type="text"/>	<input type="text"/>																					
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Information Officer:	<input type="text"/>																						
Liaison Officer:	<input type="text"/>																						
<b>4. Agency Representatives</b>		Chief <input type="text"/>																					
		Deputy <input type="text"/>																					
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<b>5. Planning Section</b>		b. Branch II - Division/Groups																					
Chief <input type="text"/>		Branch Director <input type="text"/>																					
Deputy <input type="text"/>		Deputy <input type="text"/>																					
Resources Unit <input type="text"/>		Division / Group <input type="text"/>																					
Situation Unit <input type="text"/>		Division / Group <input type="text"/>																					
Environmental Unit <input type="text"/>		Division / Group <input type="text"/>																					
Documentation Unit <input type="text"/>		Division / Group <input type="text"/>																					
Demobilization Unit <input type="text"/>		Division / Group <input type="text"/>																					
Technical Specialists <input type="text"/>		Division / Group <input type="text"/>																					
<b>6. Logistics Section</b>		c. Branch III - Division/Groups																					
Chief <input type="text"/>		Branch Director <input type="text"/>																					
Deputy <input type="text"/>		Deputy <input type="text"/>																					
Time Unit <input type="text"/>		Division / Group <input type="text"/>																					
Procurement Unit <input type="text"/>		Division / Group <input type="text"/>																					
Compensation Unit <input type="text"/>		Division / Group <input type="text"/>																					
Cost Unit <input type="text"/>		Division / Group <input type="text"/>																					
a. Support Branch		Division / Group <input type="text"/>																					
Director <input type="text"/>		d. Air Operations Branch																					
		Air Operations Br. Dir. <input type="text"/>																					
		Air Tactical Supervisor <input type="text"/>																					
		Air Support Supervisor <input type="text"/>																					
		Helicopter Coordinator <input type="text"/>																					
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		<input type="text"/>																					

Supply Unit		Fixed-wing Coordinator	
Facilities Unit		8. Finance Section	
Transportation Unit		Chief	
Vessel Support Unit		Deputy	
Ground Support Unit		Time Unit	
b. Service Branch		Procurement Unit	
Director		Compensation Unit	
Communications Unit		Cost Unit	
Medical Unit			
Food Unit			

9. Prepared by: (Resources Unit)	Date/Time	
ORGANIZATION	March, 2000	ICS 203-OS
ASSIGNMENT LIST		

**Linden**

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**5.3.5 Assignment List ICS 204-OS**

1. Incident Name	2. Operational Period (Date/Time)		ASSIGNMENT LIST	
	From:	To:	ICS 204-OS	
3. Branch		4. Division/Group		
<b>5. Operations Personnel</b>	<b>Name</b>	<b>Affiliation</b>	<b>Contact # (s)</b>	
Operations Section Chief:				
Branch Director:				
Division/Croup Supervisor:				
<b>6. Resources Assigned This Period</b>	"X" indicates 204a attachment with special instructions			
<b>Strike Team/Task Force/ Resource Identifier</b>	<b>Leader</b>	<b>Contact Info. #</b>	<b># of Persons</b>	<b>Notes/Remarks</b>
<b>7. Assignments</b>				
<b>8. Special Instruction for Division/Group</b>				

<b>9. Communications</b> (radio and/or phone contact numbers needed for this assignment)			
Name/Function	Radio: Freq./System/ Channel	Phone	Pager
Emergency Communications			
Medical	Evacuation	Other	
<b>10. Prepared By</b> (Resources Unit Leader)	Date/Time	<b>11. Approved By</b> (Planning Section Chief)	Date/Time
ASSIGNMENT LIST	June, 2000		ICS 204-OS

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**5.3.6 Communications Plan ICS 205-OS**

1. Incident Name	2. Operational Period (Date/Time) From:                      To:	COMMUNICATIONS PLAN ICS 205-OS			
3. Basic Radio Channel Use					
SYSTEM/CACHE	CHANNEL	FUNCTION	FREQUENCY	ASSIGNMENT	REMARKS



## 5. Hospitals

Hospital Name	Address	Contact #	Travel Time		Burn Ctr?	Heli-Pad?
			Air	Ground		

## 6. Special Medical Emergency Procedures

7. Prepared By (Medical Unit Leader)	Date/Time	8. Reviewed By (Safety Officer)	Date/Time
MEDICAL PLAN	March, 2000		ICS 206-OS

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## 5.3.8 Incident Status Summary ICS 209-OS

1. Incident Name	2. Period Covered By Report From: To:	Time of Report	INCIDENT STATUS SUMMARY ICS 209-OS		
3. Spill Status (Estimated, in Barrels)	[OPS/EUL/SSC]	7. Safety Status	[Safety Officer]		
Source Status:	Remaining Potential (bbl):	Since Last Report	Total		
	Rate of Spillage (bbl/hr):	Responder Injury			
Secured <input type="checkbox"/>	Unsecured <input type="checkbox"/>	Public Injury			
	Since Last Report	8. Equipment Resources		[RUL]	
Volume Spilled	Total	Description	Ordered	Available / Staged	Assigned / Out of Service
<b>Mass Balance/Oil Budget</b>		Spill Resp. Vsls			
Recovered Oil		Fishing Vessels			
Evaporation		Tugs			
Natural Dispersion		Barges			
Chemical Dispersion		Other Vessels			
Burned					
Floating, Contained		Skimmers			
Floating, Uncontained					
Onshore		Boom (ft.)			
Total Spilled Oil Accounted For:		Sbnt/Snr Bm. (ft.)			
4. Waste Management (Estimated)	[OPS/Disposal]	Vacuum Trucks			
Recovered	Stored	Disposed			
		Helicopters			



6. Activity Log (Continue on Reverse)		
Time	Major events	
7. Prepared by:		Date / Time
UNIT LOG	June 2000	ICS 214-OS

**Linden****Page 5 - 24****5.3.9 Unit Log ICS 214-OS, Continued**

1. Incident Name	2. Operational Period (Date / Time) From:                      To:	UNIT LOG(Cont) ICS 214-OS
3. Unit Name	4. Unit Leader (Name and ICS Position)	
<b>5. Personnel Assigned</b>		
Name	ICS Position	Home Base
6. Activity Log (Continue on Reverse)		





4.	
5.	
6.	
7.	
8.	
9.	
10.	

All government and contractor personnel who enter the exclusion zones or use air purifying respirators must be enrolled in a medical monitoring program.

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#### 5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED

##### GENERAL SAFETY RULES AND EQUIPMENT:

1. There will be no eating, drinking, or smoking in the exclusion zone or the contamination reduction zone.
2. All personnel must pass through the contamination reduction zone to enter or exit the exclusion zone (hot zone).
3. As a minimum, Decontamination Team members must be in one (1) level of protection lower than that of the entry teams.
4. All decontamination equipment and systems must be in place before an entry can be made.
5. Entry team will consist of a minimum of two members with the same number of personnel assigned to a backup team. All entry personnel will adhere to the buddy system.
6. At the end of the incident, or directly after a possible exposure, each entry team member will take a full body shower and launder any personal clothing used at the scene.
7. All breathing air shall be certified as Grade D or better.
8. Where practical, all tools shall be of the nonsparking type.
9. Fire equipment shall be on hand when the situation warrants such support. At a minimum, fire extinguishers shall be available on scene.
10. Since incident evacuation may be necessary if an explosion, fire, or other event occurs; an individual shall be assigned to sound, alert, and notify the responsible command

personnel and public officials (if required). The evacuation signal shall be four short blasts on an air horn every 30 seconds until all personnel are known to be evacuated.

11. An adequately stocked Emergency Medical Services (EMS) Unit shall be on site at all times.
12. The location and telephone number of the nearest medical facility shall be posted and known to all personnel.

#### GENERAL SAFETY BRIEFING:

Before any incident actions are taken, a briefing from the Command Staff will be accomplished with all personnel present. Personnel will sign a log sheet, attesting to being present at the briefing. Topics discussed should include known and suspected hazards along with the operation's goals and objectives.

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#### 5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED

##### EMERGENCY ACTION CONDITIONS:

**Code Green** All conditions are normal and incident work may continue.

**Code Red** All or specific work activities must cease at once due to one of the following:

- Indications of emissions from a Combustible Gas Indicator (CGI) with readings of 10% LEL or greater, from a Oxygen Meter reading less than 19.5% oxygen, or from a Radiation Meter indicating a one Mr/Hr or greater of ionizing radiation are present
- Current or projected meteorological data indicates that a probable impact on working conditions could occur
- If background readings obtained during cessation of activities worsen, reassessment of the findings should be confirmed; actions to lower levels of contaminant or contingencies for further incident monitoring must take place
- If this condition exists, incident personnel will immediately notify command staff

Officials making evacuation/public health decisions will address the need for a public health advisory to potentially affected areas. This is because incident control methods may or may not reduce the source of contamination or threat to the general public.

If needed, a temporary sheltering or evacuation plan should be considered until levels of contamination are reduced or contained to levels deemed safe by all responsible authorities. Confirmation of these levels will be done by generally approved monitoring methods agreed to by the authorities in charge.

Sheltering/Evacuation Plan:

Ordered By:

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**5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED****LIST OF ACCESS AUTHORIZED  
PERSONNEL (Outside Agencies):**

SPECIALIZED TASK ASSIGNMENTS:

LEVELS OF PROTECTION SELECTED:

Initial Site Survey:	A	B	C	D
Entry Team:	A	B	C	D
Backup Team:	A	B	C	D
Decon Team:	A	B	C	D

SKETCH OR ATTACH PLOT PLAN HERE:

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**5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED**

## RESPONSE SAFETY CHECK-OFF SHEET

TYPE OF RESPONSE:			
Highway	Industrial		
Railway	Marine		
Residential	Other		
Specify:			
TYPE OF SAFETY PLAN:			
Federal	State		
Local	Other		
Specify:			
SUSPECTED CHEMICALS INVOLVED:			
1.	2.		
3.	4.		
5.	6.		
7.	8.		
9.	10.		
INITIAL LEVEL OF PROTECTION: (If level D you must justify)			
A	B	C	D
INITIAL MEDICAL SCREENING COMPLETE: <input type="checkbox"/> Yes <input type="checkbox"/> No			
If no, justify:			
In the event of fire or explosion:			
In the event of potential or actual ionizing radiation exposure:			

**5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED**

In the event of spread of contamination beyond the boundaries of the incident:

**EMERGENCY SERVICES:**

Emergency medical facility:

Ambulance service:

Poison Control Center:

Chemical manufacturer's representative:

**EMERGENCY PROCEDURES (in the event of personnel exposure):**

**EMERGENCY PROCEDURES (in the event of personnel injury):**

**HAZARD ASSESSMENT:**

Attach Hazardous Materials Safety Data Sheets (MSDS), or other reference materials, for chemicals involved to this document.

**MONITORING PROCEDURES:**

Monitoring the incident to identify concentration of contaminants in all media. List the instruments to be used and what areas to be monitored.

Hot Zone (Excursion Zone)

Warm Zone (Contamination Reduction Zone)

Cold Zone (Support Zone)

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#### 5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED

MEDICAL MONITORING: (What procedures to be used to monitor personnel for evidence of personal exposure.)

PERSONNEL POTENTIALLY EXPOSED TO HAZARDOUS MATERIALS:

NAME	POSITION	DATE/TIME

DECONTAMINATION PROCEDURES:

(Contaminated personnel, surfaces, materials, instruments, other equipment.)

DECONTAMINATION SOLUTIONS USED:

DISPOSAL PROCEDURES:



Water	<input type="checkbox"/> Shoreline	<input type="checkbox"/> Wetlands	<input type="checkbox"/> Other		
	<input type="checkbox"/> Rocky	<input type="checkbox"/> Sandy	<input type="checkbox"/> Muddy	<input type="checkbox"/> Other	
	<input type="checkbox"/> River	<input type="checkbox"/> Creek	<input type="checkbox"/> Canal	<input type="checkbox"/> Bay	<input type="checkbox"/> Ocean
Land	<input type="checkbox"/> Mountains	<input type="checkbox"/> Hills	<input type="checkbox"/> Brushland	<input type="checkbox"/> Forest	<input type="checkbox"/> Grassland
	<input type="checkbox"/> Other				
Use	<input type="checkbox"/> Public	<input type="checkbox"/> Government	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	
	<input type="checkbox"/> Recreational	<input type="checkbox"/> Industrial	<input type="checkbox"/> Farmland	<input type="checkbox"/> Other	
Weather	<input type="checkbox"/> Temp _____ °F	<input type="checkbox"/> Wind/Dir. _____ mph	<input type="checkbox"/> Rain		
	<input type="checkbox"/> Snow	<input type="checkbox"/> Ice	<input type="checkbox"/> Other		
Pathways for Dispersion	<input type="checkbox"/> Air	<input type="checkbox"/> Water	<input type="checkbox"/> Land	<input type="checkbox"/> Other	
<b>Site Hazards</b>					
<input type="checkbox"/> Chemical Hazards	<input type="checkbox"/> Boats				
<input type="checkbox"/> Slips, trips, falls	<input type="checkbox"/> Helicopters				
<input type="checkbox"/> Heat stress	<input type="checkbox"/> Noise				
<input type="checkbox"/> Cold stress	<input type="checkbox"/> Pumps, hoses				
<input type="checkbox"/> Weather	<input type="checkbox"/> Steam, hot water				
<input type="checkbox"/> Drowning	<input type="checkbox"/> Fire/Explosion				
<input type="checkbox"/> Heavy equipment	<input type="checkbox"/> Poor visibility				
<input type="checkbox"/> Drum handling	<input type="checkbox"/> Motor vehicles				
<input type="checkbox"/> Wildlife/plants	<input type="checkbox"/> Confined spaces (see attachment/appendix)				
<input type="checkbox"/> Hand/power tools	<input type="checkbox"/> Ionizing radiation				
<input type="checkbox"/> Lifting	<input type="checkbox"/> Other				

<b>Air Monitoring</b>			
% LEL	% O <sub>2</sub>	PPM Benzene	PPM H <sub>2</sub> S
<input type="checkbox"/> Other (specify)			
<input type="checkbox"/> See attachment - Monitoring Results/Methods			
<b>CONTROL MEASURES:</b>			
<b>Engineering Controls</b>			
<input type="checkbox"/> Source of release secured	<input type="checkbox"/> Valve(s) closed	<input type="checkbox"/> Facility shut down	
<input type="checkbox"/> Site secured			
<input type="checkbox"/> Other			
<b>Personal Protective Equipment (PPE) HAZWOPER Coordination with OSRO</b>			
<input type="checkbox"/> PVC suits	<input type="checkbox"/> PE/TYVEK suits	<input type="checkbox"/> Respirator	
<input type="checkbox"/> Site secured	<input type="checkbox"/> PVC gloves	<input type="checkbox"/> Other	
<input type="checkbox"/> Other	<input type="checkbox"/> Hard hats	<input type="checkbox"/> Eye protection	

**5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED****HEALTH AND SAFETY/RESPONSE PLAN****CONTROL MEASURES (cont'd):****Decontamination**

- Stations established (see site map)

## Sanitation

Facilities provided per OSHA 1910.120(n)

## Illumination

Facilities provided per OSHA 1910.120(m)

## Medical Surveillance

Facilities provided per OSHA 1910.120(f)

## WORK PLAN: (buddy system must be used.)

- Booming       Skimmers       Vac. trucks       Pumping       Excavation  
 Heavy equipment       Sorbent pads       Patching       Hot work       Shoring  
 Appropriate permits issued  
 Other (describe):

## TRAINING(HAZWOPER training program):

Verified site workers trained per OSHA 1910.120

## ORGANIZATION (See Incident Command System chart.):

## EMERGENCY PLAN (See site map and Daily Medical Plan - ICS 206.):

## SITE SECURITY:

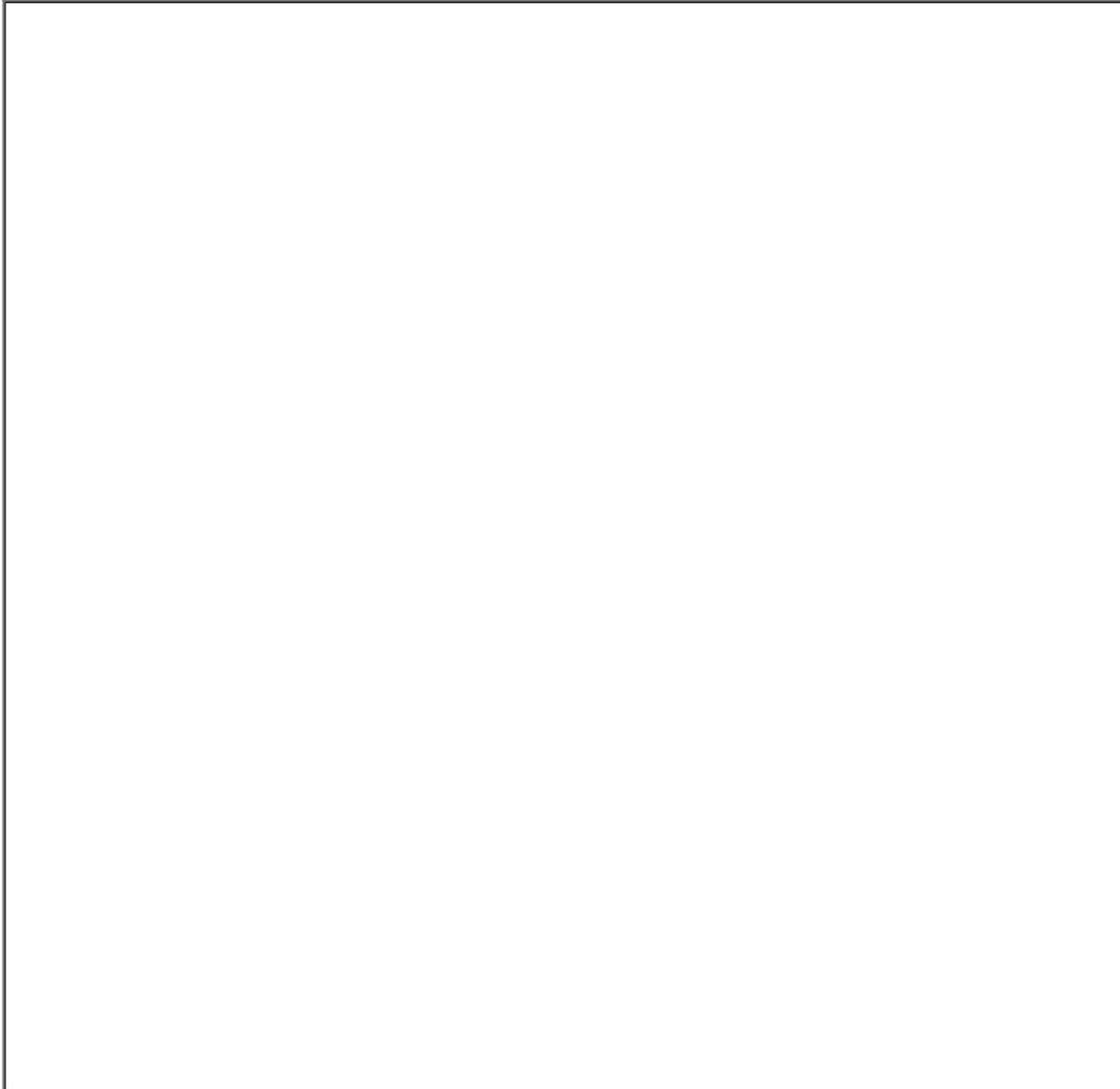
- Pre-entry briefing  
 Security level                      Low      Medium      High  
 Other topics

DATE/TIME/PLAN COMPLETED:

By:

## 5.4 SITE SAFETY AND HEALTH PLAN, CONTINUED

## SITE DIAGRAM



### GENERAL DIAGRAM INSTRUCTIONS

1. Site Diagram should include the following (label the items drawn with corresponding letter):

- |  |                                |
|--|--------------------------------|
| A. Sketch with major feature locations<br>(buildings, drainage paths, roads, etc.) | F. Routes of entry             |
| B. Hazardous substance location  | G. Wind direction              |
| C. Work zones (exclusion, contamination<br>reduction, support)                     | H. Emergency evacuation routes |
| D. Command center and decontamination<br>area                                      | I. Assembly points             |
| E. Access and access restrictions  | J. First aid locations         |
|  | K. Communication system        |

Incident Name:	Location:
Effective Date of Plan:	Effective Time Period of Plan:
Spill Location:	Plan Prepared By:

- Work Zones:
  - Support (cold) zone
  - Contamination reduction (warm) zone
  - Exclusion (hot) zone

These zones are identified by signs, barrier tape, or other means. Decontamination is performed in the contamination reduction zone. When responders exit the exclusion zone, they must be decontaminated.

Crews are available to assist in decontamination procedures as needed. The crews must wear appropriate personal protective equipment (PPE) and are responsible for packaging and labeling of contaminated PPE.

- Decontamination Stations:

Decontamination is performed within the contamination reduction zone, which is appropriately lined to prevent the spread of contaminants. Dikes are installed under the lining to contain runoff.

## 5.5 DECONTAMINATION PLAN, CONTINUED

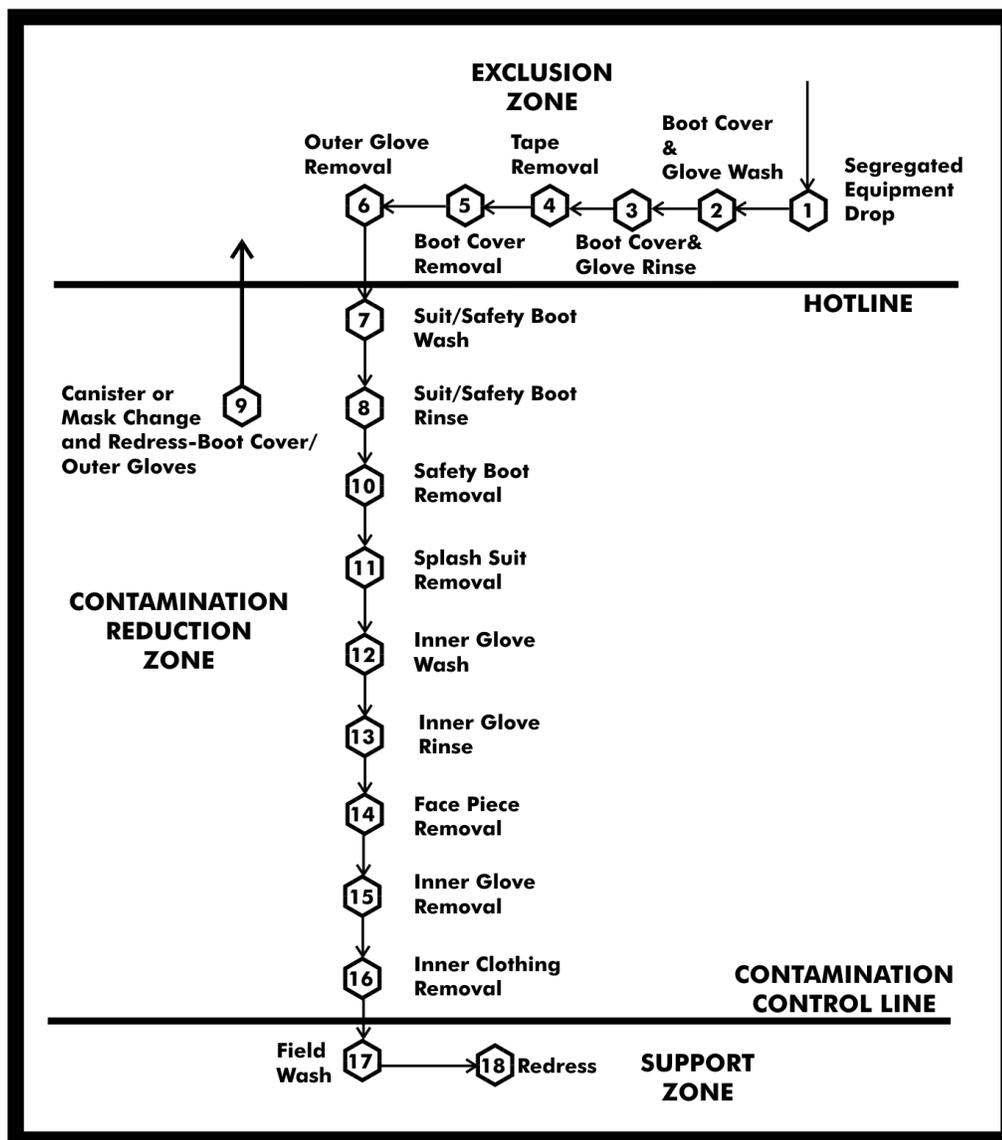
Procedures for these stations are as follows:

MAXIMUM MEASURES FOR DECONTAMINATION		
STATION 1	Segregated equipment drop	Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool down station may be set up within this area.
STATION 2	Boot cover and glove wash	Scrub outer boot cover and gloves with decontamination solution or detergent and water.
STATION 3	Boot cover and glove rinse	Rinse off decontamination solution from Station 2 using copious amounts of water.
STATION 4	Tape removal	Remove tape around boots and gloves and deposit in container with plastic liner.
STATION 5	Boot cover removal	Remove boot covers and deposit in containers with plastic liner.
STATION 6	Outer glove removal	Remove outer gloves and deposit in container with plastic liner.

STATION 7	Suit and boot wash	Wash splash suit, gloves, and safety boots. Scrub with long-handled scrub brush and decontamination solution.
STATION 8	Suit, boot, and glove rinse	Rinse off decontamination solution using water. Repeat as many times as necessary.
STATION 9	Canister or mask change	If worker leaves exclusion zone to change canister or this is the last step in the decontamination procedure; worker's canister is exchanged, new outer gloves and boot covers are donned, joints are taped, and the worker returns to duty.
STATION 10	Safety boot removal	Remove safety boots and deposit in container with plastic liner.
STATION 11	Splash suit removal	With assistance of helper, remove splash suit. Deposit in container with plastic liner.
STATION 12	Inner glove wash	Wash inner gloves with decontamination solution.
STATION 13	Inner glove rinse	Rinse inner gloves with water.
STATION 14	Face piece removal	Remove face piece. Deposit in container with plastic liner. Avoid touching face with fingers.
STATION 15	Inner glove removal	Remove inner gloves and deposit in lined container.
STATION 16	Inner clothing removal	Remove clothing soaked with perspiration and place in lined container. Do not wear inner clothing off-site since there is a possibility that small amounts of contamination might have been transferred in removing the protective suit.
STATION 17	Field wash	Shower if highly toxic, skin-corrosive or skin-absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.
STATION 18	Re-dress	Put on clean clothes.

## 5.5 DECONTAMINATION PLAN, CONTINUED

### DECONTAMINATION PROCEDURES, MAXIMUM DECONTAMINATION LAYOUT



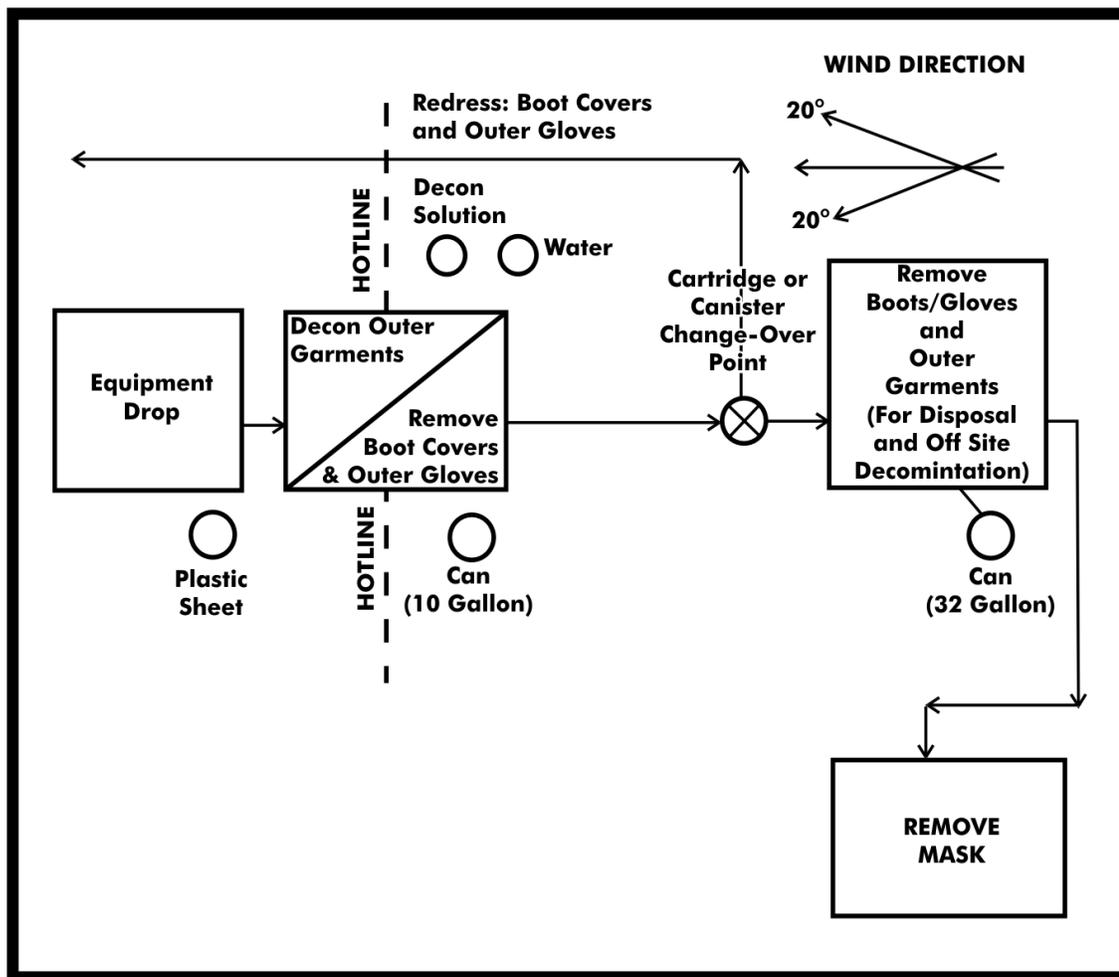
## 5.5 DECONTAMINATION PLAN, CONTINUED

MINIMUM MEASURES FOR DECONTAMINATION		
STATION 1	Equipment drop	Deposit equipment used on site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, a cool down station may be set up within this area.
STATION 2	Outer garment, boots and gloves wash and rinse	Scrub outer boots, outer gloves, and splash suit with decontamination solution or detergent and water. Rinse off using copious amounts of water.
STATION 3	Outer boot and glove removal	Remove outer boots and gloves. Deposit in container with plastic liner.
STATION 4	Canister or mask	If worker leaves exclusion zone to change canister

	change	(or mask) or this is the last step in the decontamination procedures; worker's canister is exchanged, new outer gloves and boot covers are donned, joints are taped, the worker returns to duty.
STATION 5	Boot, gloves, and outer garment removal	Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
STATION 6	Face piece removal	Face piece is removed. Avoid touching face with fingers. Face piece deposited on plastic sheet.
STATION 7	Field wash	Hands and face are thoroughly washed. Shower as soon as possible.

## 5.5 DECONTAMINATION PLAN, CONTINUED

### DECONTAMINATION PROCEDURES, MINIMUM DECONTAMINATION LAYOUT



## 5.6 DISPOSAL PLAN

Date:	Location:
Source of release:	
Amount of release:	
Incident name:	
State On-Scene Coordinator:	
Federal On-Scene Coordinator:	
Time required for temporary storage:	
Proposed storage method:	

## Disposal priorities:

Sample date:	Sample ID:
Analysis required (type):	
Laboratory performing analysis:	

## Disposal options:

	Available	Likely	Possible	Unlikely
Landfill:				
In situ/ bio-remediation:				
In situ burn:				
Pit burning:				
Hydrocyclone:				
Off site incineration:				
Reclaim:				
Recycle:				

## Resources required for disposal options:


## General information:

Generator name:	US EPA ID#:
Waste properties:	Waste name:
US EPA waste code:	State waste code:
EPA hazardous waste:	
Waste storage and transportation:	
Proposed storage method:	
Proposed transportation method:	

**5.6 DISPOSAL PLAN, CONTINUED**

Permits required for storage:
Permits required for transportation:
Estimated storage capacity:
Number and type of storage required:
Local storage available for temporary storage of recovered oil:

PPE required for waste handling:
Waste coordinator:
Date:

**Resources required for disposal options:**

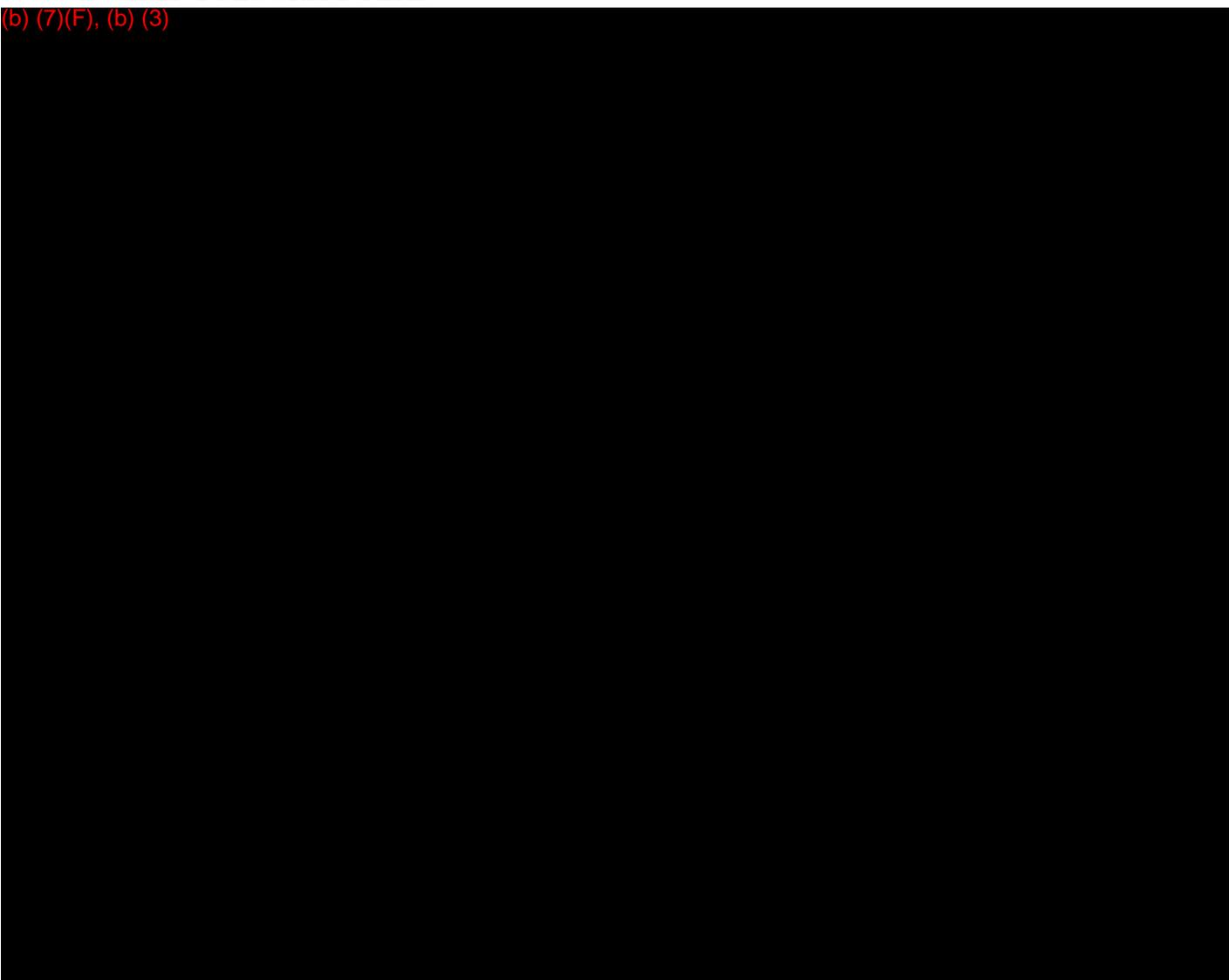

Incident name:
Sample number:
Date sent:
Source of sample:
Date sample data received:
Waste hazardous:
Non-hazardous:
Permits/variances requested:
Approval received on waste profile:
Date disposal can begin:
Disposal facilities:
Profile number:
Storage contractors:
Waste transporters:

PPE designated and agrees with Site Safety and Health Plan:

**5.6 DISPOSAL PLAN, CONTINUED**

Additional information:
Waste coordinator:

**5.7 INCIDENT SECURITY PLAN**



(b) (7)(F), (b) (3)

(b) (7)(F), (b) (3)

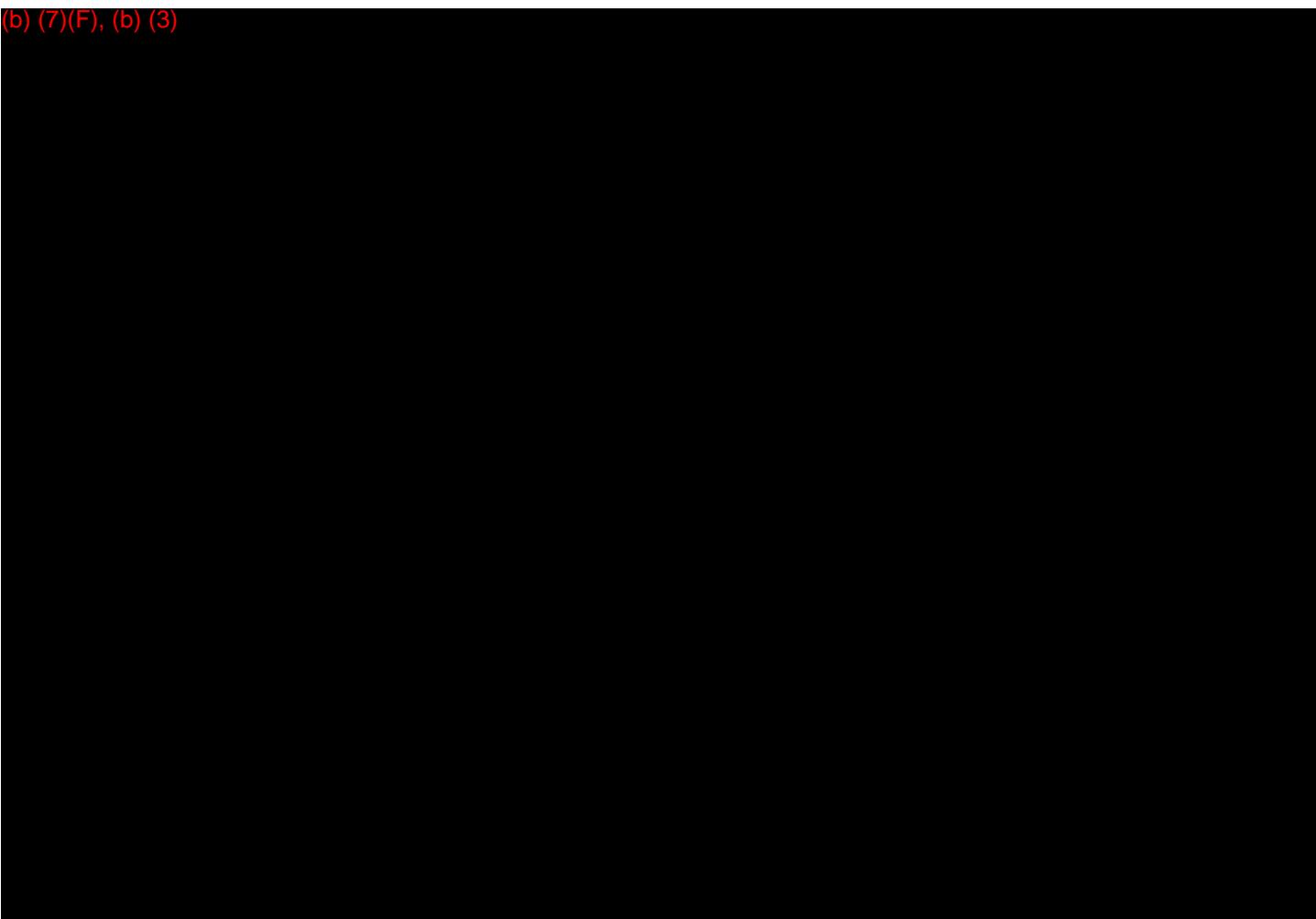


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**5.7 INCIDENT SECURITY PLAN, CONTINUED**

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)

**Linden****Page 5 - 47****5.8 DEMOBILIZATION PLAN**

<b>Incident name:</b>	<b>Location:</b>
<b>Effective date of plan:</b>	<b>Effective time period of plan:</b>
<b>Spill location:</b>	<b>Plan prepared by:</b>

**Demobilization procedures:**

- Operations Section will determine which resources are ready for release from a specific collection site
- The Planning Section will provide guidance on release priorities and demobilization recommendations
- Information maintained by the Planning Section will be utilized to assist in the prioritization
- Each incident will require a Decontamination Area
- Decontaminated equipment will be returned to appropriate staging area for release or re-deployment
- Transports for equipment will be required if remote from staging area
- The Planning Section will document all demobilization and decontamination activities
- Equipment designated for re-assignment will be mobilized to the appropriate staging area
- The Supervisor will ensure a log is maintained documenting that proper decontamination procedures are performed for each piece of equipment
- The Operations Section will ensure that redeployed personnel receive proper rest prior to returning to duty
- The Planning Section Chief will monitor personnel redeployment activities to ensure number of hours worked is within acceptable guidelines
- The Operations Section Chief must approve the Demobilization Plan before decontamination, release, or redeployment of any resources

## SECTION 6

Last revised: August 23, 2010

## SENSITIVE AREAS / RESPONSE TACTICS

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6.1 Area Description6.2 Spill Containment / RecoveryFigure 6.2-1 - Response Tactics for Various Shorelines6.3 Sensitive Area ProtectionFigure 6.3-1 - Sensitive Area Protection Implement SequenceFigure 6.3-2 - Summary of Shoreline and Terrestrial Cleanup Techniques6.4 Wildlife Protection and Rehabilitation6.5 Endangered and Threatened Species By State6.6 Line Section Displacement6.7 Block Valve Locations6.8 Land Owners6.9 Vulnerability Analysis (Detailed)6.10 Tactical Overview Map6.11 Tactical Plan Index6.12 Tactical Plans6.13 Sensitivity Maps

## 6.1 AREA DESCRIPTION

Description of shoreline types and specific shoreline protection and clean-up techniques are presented in **FIGURE 6.2-1** and **FIGURE 6.3-2**. The strategies and response examples are guidelines and must be evaluated during the response to ensure that the selected response methods are appropriate for the situation.

Sensitivity maps are provided in **SECTION 6.7**.

## 6.2 SPILL CONTAINMENT / RECOVERY

Containment and recovery refer to techniques that can be employed to contain and recover terrestrial and aquatic petroleum spills.

Terrestrial spills typically result from pipeline or tank leaks. The Company is equipped with secondary containment systems for areas with non-pressurized breakout tanks. Spills occurring within the secondary containment area or along the pipeline areas should be contained at or near their source to minimize the size of the cleanup area and quantity of soil affected.

Containment is most effective when conducted near the source of the spill, where the oil has not spread over a large area and the contained oil is of sufficient thickness to allow effective recovery and/or cleanup. The feasibility of effectively implementing containment and recovery techniques is generally dependent upon the size of the spill, available logistical resources, implementation time, and environmental conditions or nature of the terrain in the spill area.

For terrestrial spills, trenches and earthen berms or other dams are most often used to contain oil migration on the ground surface. Recovery of free oil is best achieved by using pumps, vacuum sources, and/or sorbents.

Spills that reach water spread faster than those on land. They also have greater potential to contaminate water supplies, to affect wildlife and populated areas, and to impact manmade structures and human activities. Responses on water should therefore emphasize stopping the spill, containing the oil near its source, and protecting sensitive areas before they are impacted.

Sorbents are used to remove minor on-water spills. For larger spills, booming is used to protect sensitive areas and to position oil so it can be removed with skimmers or vacuum trucks.

Due to entrainment, booming is not effective when the water moves faster than one knot or waves exceed 1.5 feet in height. Angling a boom will minimize entrainment. Using multiple, parallel booms will also improve recovery in adverse conditions. A summary of booming techniques is provided below.

### **Containment/Diversion Berming**

- Berms are constructed ahead of advancing surface spills to contain spill or divert spill to a containment area
- May cause disturbance of soils and some increased soil penetration

**Blocking/Flow-Through Dams**

- Construct dam in drainage course/stream bed to block and contain flow of spill. Cover with plastic sheeting. If water is flowing install inclined pipes during dam construction to pass water underneath dam
- May increase soil penetration

**Culvert Blocking**

- Block culvert with plywood, sandbags, sediments, etc. to prevent oil from entering culvert

**Interception Trench**

- Excavate ahead of advancing surface spill to contain spill and prevent further advancement; cover bottom and gradients with plastic
- May cause disturbance of soils and increased soil penetration

**Containment booming**

- Boom is deployed around free oil
- Boom may be anchored or left to move with the oil

**Diversion booming**

- Boom is deployed at an angle to the approaching oil
- Oil is diverted to a less sensitive area
- Diverted oil may cause heavy oil contamination to the shoreline downwind and down current
- Anchor points may cause minor disturbance to the environment

**Exclusion booming**

- Boom is placed around a sensitive area or across an inlet, a river mouth, a creek mouth, or a small bay
- Approaching oil is contained or deflected (diverted) by the boom
- Anchor points may cause minor disturbance to the environment

**Sorbent booming**

- Used only on quiet water with minor oil contamination

- Boom is anchored along a shoreline or used in a manner described above
- May use boom made of sorbent material or may pack sorbent material between multiple booms placed parallel to each other

Other cleanup methods include: natural recovery, manual removal/scraping, low-pressure flushing, warm water washing, and burning. Berms and dams are also used in shallow waterways to protect areas.

Cleanup methods are provided in the appropriate Area Contingency Plan (ACP), NOAA's "Shoreline Assessment Manual," and NOAA's "Options for Minimizing Environmental Impacts of Freshwater Spill Response." (See <http://www.response.restoration.noaa.gov> for the latter two.)

FIGURE 6.2-1 - RESPONSE TACTICS FOR VARIOUS SHORELINES

TYPES	DESCRIPTION	PREDICTED OIL IMPACT	RECOMMENDED CLEANUP ACTIVITY
Developed/ Unforested land	<ul style="list-style-type: none"> <li>• This class includes towns, cities, farms, pastures, fields, reclaimed wetlands, and other altered areas</li> <li>• Organisms and algae may be common in riprap structures and on pilings</li> </ul>	<ul style="list-style-type: none"> <li>• Oil would percolate easily between the gravel and boulders of riprap structures</li> <li>• Oil would coat the intertidal areas of solid structures</li> <li>• Biota would be damaged or killed under heavy accumulations</li> </ul>	<ul style="list-style-type: none"> <li>• May require high pressure spraying: <ul style="list-style-type: none"> <li>• To remove oil</li> <li>• To prepare substrate for recolonization of barnacle and oyster communities</li> </ul> </li> <li>• For aesthetic reasons</li> </ul>
Freshwater Flat	<ul style="list-style-type: none"> <li>• Mud or organic deposits located along the shore or in shallow portions of nontidal freshwater lakes and ponds</li> <li>• They are exposed to low wave and current energy</li> <li>• They are often areas of heavy bird use</li> </ul>	<ul style="list-style-type: none"> <li>• Oil is expected to be deposited along the shoreline</li> <li>• Penetration of spilled oil into the water-saturated sediments of the flat will not occur</li> <li>• When sediments are contaminated, oil may persist for years</li> </ul>	<ul style="list-style-type: none"> <li>• These areas require high priority for protection against oil contamination</li> <li>• Cleanup of freshwater flats is nearly impossible because of soft substrate</li> <li>• Cleanup is usually not even considered because of the likelihood of mixing oil deeper into the sediments during the cleanup effort</li> <li>• Passive efforts, such</li> </ul>

			as sorbent boom can be used to retain oil as it is naturally removed
Fresh Marsh	<ul style="list-style-type: none"> <li>• Found along freshwater ponds and lakes</li> <li>• These marshes have various types of vegetative cover, including floating aquatic mats, vascular submerged vegetation, needle and broad-leaved deciduous scrubs and shrubs, and broad-leaved evergreen scrubs and shrubs</li> <li>• Birds and mammals extensively use fresh marshes for feeding and breeding purposes</li> </ul>	<ul style="list-style-type: none"> <li>• Small amounts of oil will contaminate the outer marsh fringe only; natural removal by wave action can occur within months</li> <li>• Large spills will cover more area and may persist for decades</li> <li>• Oil, particularly the heavy fuel oils, tends to adhere readily to marsh grasses</li> </ul>	<ul style="list-style-type: none"> <li>• Marshes require the highest priority for shoreline protection</li> <li>• Natural recovery is recommended when: <ul style="list-style-type: none"> <li>• A small extent of marsh is affected</li> <li>• A small amount of oil impacts the marsh fringe</li> </ul> </li> <li>• The preferred cleanup method is a combination of low-pressure flushing, sorption, and vacuum pumping performed from boats</li> <li>• Any cleanup activities should be supervised closely to avoid excessive disturbances of the marsh surface or roots</li> <li>• Oil wrack and other debris may be removed by hand</li> </ul>
Swamp	<ul style="list-style-type: none"> <li>• Swamps are freshwater wetlands having varying water depths with vegetation types ranging from shrubs and scrubs to poorly drained forested wetlands. Major vegetative types include: scrubs, shrubs, evergreen trees, and hardwood forested woodlands</li> <li>• Birds and</li> </ul>	<ul style="list-style-type: none"> <li>• Even small amounts of spilled oil can spread through the swamp</li> <li>• Large spills will cover more area and may persist for decades since water-flushing rates are low</li> <li>• Oil, particularly the heavy fuel oils, will adhere to swamp vegetation</li> <li>• Unlike mangroves, the roots of swamp forest trees are not exposed; thus, little</li> </ul>	<ul style="list-style-type: none"> <li>• No cleanup recommended under light conditions</li> <li>• Under moderate to heavy accumulations, to prevent chronic oil pollution of surrounding areas placement of sorbent along fringe swamp forest (to absorb oil as it is slowly released) may be effective under close scientific supervision</li> <li>• Proper strategic boom placement may be highly effective in</li> </ul>

	mammals use swamps during feeding and breeding activities	damage to trees is expected. Any underbrush vegetation, however, would be severely impacted	trapping large quantities of oil, thus reducing oil impact to interior swamp forests <ul style="list-style-type: none"> <li>Oil trapped by boom can be reclaimed through the use of skimmers and vacuums</li> </ul>
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FIGURE 6.2-1 - RESPONSE TACTICS FOR VARIOUS SHORELINES, CONTINUED

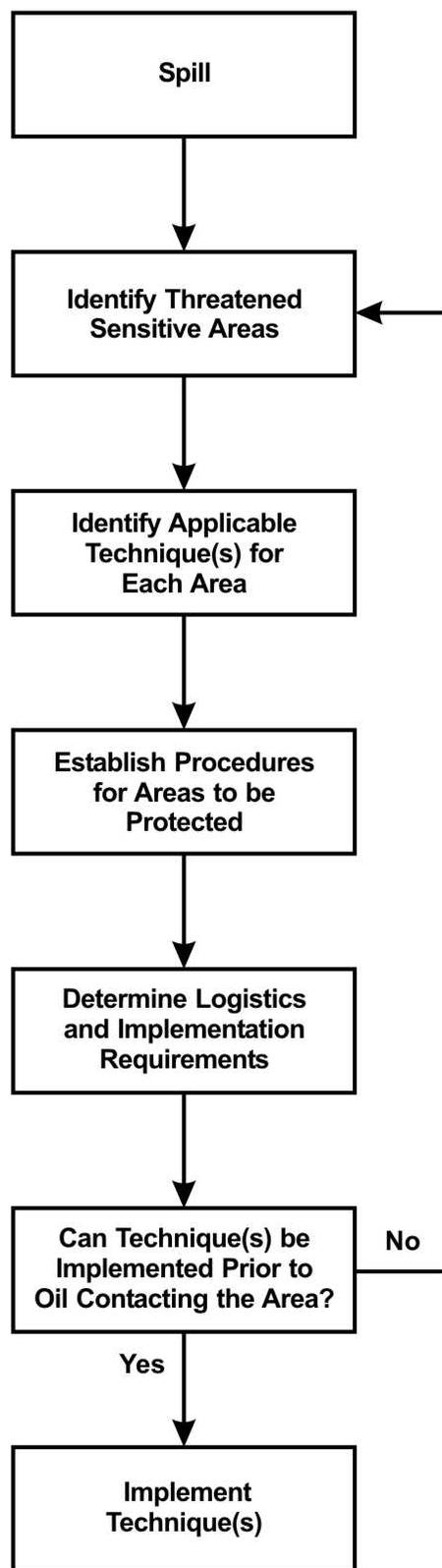
TYPES	DESCRIPTION	PREDICTED OIL IMPACT	RECOMMENDED CLEANUP ACTIVITY
Open water	<ul style="list-style-type: none"> <li>Have ocean like waves and currents</li> <li>Weather changes effect on-water conditions</li> <li>River mouths present problems</li> <li>Thermal stratification occurs</li> </ul>	<ul style="list-style-type: none"> <li>Most organisms are mobile enough to move out of the spill area</li> <li>Aquatic birds are vulnerable to oiling</li> <li>Human usage (such as transportation, water intakes, and recreational activities) may be restricted</li> </ul>	<ul style="list-style-type: none"> <li>Booming, skimming, vacuuming, and natural recovery are the preferred cleanup methods</li> <li>Should not use sorbents, containment booming, skimming, and vacuuming on gasoline spills</li> <li>Cleanup options include physical herding, sorbents, and debris/vegetation removal</li> </ul>
Large rivers	<ul style="list-style-type: none"> <li>May have varying salinities, meandering channels, and high flow rates</li> <li>May include manmade structures (such as dams and locks)</li> <li>Water levels vary seasonally</li> <li>Floods generate high suspended sediment and debris loads</li> </ul>	<ul style="list-style-type: none"> <li>Fish and migratory birds are of great concern</li> <li>Under flood conditions, may impact highly sensitive areas in floodplains</li> <li>Human usage may be high</li> <li>When sediments are contaminated, oil may persist for years</li> </ul>	<ul style="list-style-type: none"> <li>Booming, skimming, and vacuuming are the preferred cleanup methods</li> <li>Should not use sorbents, containment booming, skimming, and vacuuming on gasoline spills</li> <li>Cleanup options include natural recovery, physical herding, sorbents, and debris/vegetation removal</li> </ul>
Small lakes and	<ul style="list-style-type: none"> <li>Water surface can be choppy</li> </ul>	<ul style="list-style-type: none"> <li>Wildlife and socioeconomic</li> </ul>	<ul style="list-style-type: none"> <li>Booming, skimming, vacuuming, and</li> </ul>

ponds	<ul style="list-style-type: none"> <li>• Water levels can fluctuate widely</li> <li>• May completely freeze in winter</li> <li>• Bottom sediments near the shore can be soft and muddy</li> <li>• Surrounding area may include wet meadows and marshes</li> </ul>	<p>areas likely to be impacted</p> <ul style="list-style-type: none"> <li>• Wind will control the oil's distribution</li> </ul>	<p>sorbents are the preferred cleanup methods</p> <ul style="list-style-type: none"> <li>• Should not use containment booming, vacuuming, sorbents, and skimming on gasoline spills</li> <li>• Cleanup options include physical herding, sorbents, and debris/vegetation removal</li> </ul>
Small rivers and streams	<ul style="list-style-type: none"> <li>• Wide range of water bodies - fast flowing streams to slow moving bayous with low muddy banks and fringed with vegetation</li> <li>• May include waterfalls, rapids, log jams, mid-channel bars, and islands</li> <li>• Weathering rates may be slower because spreading and evaporation are restricted</li> </ul>	<ul style="list-style-type: none"> <li>• Usually contaminate both banks and the water column, exposing a large number of biota to being oiled</li> <li>• Water intakes for drinking water, irrigation, and industrial use likely to be impacted</li> </ul>	<ul style="list-style-type: none"> <li>• Booming, skimming, vacuuming, sorbents, barriers, and berms are the preferred cleanup methods</li> <li>• Should not use containment booming, sorbents, vacuuming, and skimming on gasoline spills</li> <li>• Cleanup options include physical herding, natural recovery, debris removal, vegetation removal, and in-situ burn</li> </ul>

### 6.3 SENSITIVE AREA PROTECTION

Protection refers to the implementation of techniques or methods to prevent oil from making contact with a shoreline or aquatic area that is determined to be sensitive for environmental, economic, cultural, or human use reasons. Implementation of sensitive area protection techniques must consider a number of factors such as sensitive features, priorities for areas to be protected, and potential degree of impact. In the event a product spill reaches a major area waterway, it may be necessary to protect downstream sensitive areas if it appears that local containment and recovery efforts will not be sufficient to control the entire spill. Major waterways and specific sensitive areas located downstream of the Facility are provided in [SECTION 6.7](#).

**FIGURE 6.3-1 - SENSITIVE AREA PROTECTION IMPLEMENT SEQUENCE**



**FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES**

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL
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				EFFECTS
Removal				
1. Manual Removal	Hand tool (scrapers, wire brushes, shovels, cutting tools, wheel barrows, etc.) are used to scrape oil off surfaces or recover oiled sediments, vegetation, or debris where oil conditions are light or sporadic and/or access is limited.	<u>Equipment</u> misc. hand tools <u>Personnel</u> 10-20 workers	<ul style="list-style-type: none"> <li>• Can be used on all habitat types</li> <li>• Light to moderate oiling conditions for stranded oil or heavy oils that have formed semi-solid to solid masses</li> <li>• In areas where roosting or birthing animals cannot or should not be disturbed</li> </ul>	<ul style="list-style-type: none"> <li>• Sediment disturbance and erosion potential</li> </ul>
2. Mechanical Removal	Mechanical earthmoving equipment is used to remove oiled sediments and debris from heavily impacted areas with suitable access.	<u>Equipment</u> motor grader, backhoe, dump truck elevating scrapers <u>Personnel</u> 2-4 workers plus equipment operators	<ul style="list-style-type: none"> <li>• On land, wherever surface sediments are accessible to heavy equipment</li> <li>• Large amounts of oiled materials</li> </ul>	<ul style="list-style-type: none"> <li>• Removes upper 2 to 12 inches of sediments</li> </ul>
3. Sorbent Use	Sorbents are applied manually to oil accumulations, coatings, sheens, etc. to remove and recover the oil.	<u>Equipment</u> misc. hand tools misc. sorbents <u>Personnel</u> 2-10 workers	<ul style="list-style-type: none"> <li>• Can be used on all habitat types</li> <li>• Free-floating oil close to shore or stranded on shore, secondary treatment method after gross oil removal</li> <li>• Sensitive areas where access is</li> </ul>	<ul style="list-style-type: none"> <li>• Sediment disturbance and erosion potential</li> <li>• Trampling of vegetation and organisms</li> <li>• Foot traffic can work oil deeper into soft sediments</li> </ul>

			restricted	
4. Vacuum / Pumps / Skimmers	Pumps, vacuum trucks, skimmers are used to remove oil accumulations from land or relatively thick floating layers from the water.	<u>Equipment</u> 1-2 50- to 100-bbl vacuum trucks w/hoses 1-2 nozzle screens or skimmer heads <u>Personnel</u> 2-6 workers plus truck operators	<ul style="list-style-type: none"> <li>• Can be used on all habitat types</li> <li>• Stranded oil on the substrate</li> <li>• Shoreline access points</li> </ul>	<ul style="list-style-type: none"> <li>• Typically does not remove all oil</li> <li>• Can remove some surface organisms, sediments, and vegetation</li> </ul>
<b>Washing</b>				
5. Flooding	High volumes of water at low pressure are used to flood the oiled area to float oil off and out of sediments and back into the water or to a containment area where it can be recovered. Frequently used with flushing.	<u>Equipment</u> 1-5 100- to 200-gpm pumping systems 1 100-ft perforated header hose per system 1-2 200-ft containment booms per system 1 oil recovery device per system <u>Personnel</u> 6-8 workers per system	<ul style="list-style-type: none"> <li>• All shoreline types except steep intertidal areas</li> <li>• Heavily oiled areas where the oil is still fluid and adheres loosely to the substrate</li> <li>• Where oil has penetrated into gravel sediments</li> <li>• Used with other washing techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Can impact clean down gradient areas</li> <li>• Can displace some surface organisms if present</li> <li>• Sediments transported into water can affect water quality</li> </ul>

**FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES, CONTINUED**

<b>TECHNIQUE</b>	<b>DESCRIPTION</b>	<b>RECOMMENDED EQUIPMENT</b>	<b>APPLICABILITY</b>	<b>POTENTIAL ENVIRONMENTAL EFFECTS</b>
Washing, Continued				
6. Flushing	Water streams at low to moderate pressure, and possibly elevated temperatures, are used to remove	<u>Equipment</u> 1-5 50- to 100-gpm/100-psi pumping systems with manifold 1-4 100-ft hoses	<ul style="list-style-type: none"> <li>• Substrates, riprap, and solid man-made structures</li> <li>• Oil stranded</li> </ul>	<ul style="list-style-type: none"> <li>• Can impact clean down gradient areas</li> <li>• Will displace many surface organisms if</li> </ul>

	oil from surface or near-surface sediments through agitation and direct contact. Oil is flushed back into the water or a collection point for subsequent recovery. May also be used to flush out oil trapped by shoreline or aquatic vegetation.	and nozzles per system 1-2 200-ft containment booms per system 1 oil recovery device per system <u>Personnel</u> 8-10 workers per system	onshore • Floating oil on shallow intertidal areas	present • Sediments transported into water can affect water quality • Hot water can be lethal to many organisms • Can increase oil penetration depth
7. Spot (High Pressure Washing)	High pressure water streams are used to remove oil coatings from hard surfaces in small areas where flushing is ineffective. Oil is directed back into water or collection point for subsequent recovery.	<u>Equipment</u> 1-5 1,200- to 4,000-psi units with hose and spray wand 1-2 100-ft containment booms per unit 1 oil recovery device per unit <u>Personnel</u> 2-4 workers per unit	• Bedrock, man-made structures, and gravel substrates • When low-pressure flushing is not effective • Directed water jet can remove oil from hard to reach sites	• Will remove most organisms if present • Can damage surface being cleaned • Can affect clean down gradient or nearby areas
<b>In Situ</b>				
8. Passive Collection	Sorbent/snare booms or other sorbent materials are anchored at the waterline adjacent to heavily oiled areas to contain and recover oil as it leaches from the sediments.	<u>Equipment</u> 1,000-2,000 ft sorbent/snare boom 200-400 stakes or anchor systems <u>Personnel</u> 4-10 workers	• All shoreline types • Calm wave action • Slow removal process	• Significant amounts of oil can remain on the shoreline for extended periods of time
9. Sediment Tilling	Mechanical equipment or hand tools are used to till lightly to moderately oiled surface	<u>Equipment</u> 1 tractor fitted with tines, dicer, ripper blades, etc. or 1-4 rototillers or 1 set of hand tools <u>Personnel</u> 2-10	• Any sedimentary substrate that can support heavy equipment • Sand and	• Significant amounts of oil can remain on the shoreline for extended periods of time • Disturbs surface

	sediments to maximize natural degradation processes.	workers	gravel beaches with subsurface oil <ul style="list-style-type: none"> <li>• Where sediment is stained or lightly oiled</li> <li>• Where oil is stranded above normal high waterline</li> </ul>	sediments and organisms
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**FIGURE 6.3-2 - SUMMARY OF SHORELINE AND TERRESTRIAL CLEANUP TECHNIQUES, CONTINUED**

TECHNIQUE	DESCRIPTION	RECOMMENDED EQUIPMENT	APPLICABILITY	POTENTIAL ENVIRONMENTAL EFFECTS
<b>In Situ, Continued</b>				
10. In Situ Bioremediation	Fertilizer is applied to lightly to moderately oiled areas to enhance microbial growth and subsequent biodegradation of oil.	<u>Equipment</u> 1-2 fertilizer applicators 1 tilling device if required <u>Personnel</u> 2-4 workers	<ul style="list-style-type: none"> <li>• Any shoreline habitat type where nutrients are deficient</li> <li>Moderate to heavily oiled substrates</li> <li>After other techniques have been used to remove free product on lightly oiled shorelines</li> <li>Where other techniques are destructive or ineffective</li> </ul>	<ul style="list-style-type: none"> <li>• Significant amounts of oil can remain on the shoreline for extended periods of time</li> <li>• Can disturb surface sediments and organisms</li> </ul>
11. Log/Debris Burning	Oiled logs, driftwood, vegetation, and debris are	<u>Equipment</u> 1 set of fire control equipment 2-4 fans	<ul style="list-style-type: none"> <li>• On most habitats except dry muddy</li> </ul>	<ul style="list-style-type: none"> <li>• Heat may impact local near-surface organisms</li> </ul>

	burned to minimize material handling and disposal requirements. Material should be stacked in tall piles and fans used to ensure a hot, clean burn.	1 supply of combustion promoter <u>Personnel</u> 2-4 workers	substrates where heat may impact the biological productivity of the habitat <ul style="list-style-type: none"> <li>Where heavily oiled items are difficult or impossible to move</li> <li>Many potential applications on ice</li> </ul>	<ul style="list-style-type: none"> <li>Substantial smoke may be generated</li> <li>Heat may impact adjacent vegetation</li> </ul>
12. Natural Recovery	No action is taken and oil is allowed to degrade naturally.	None required	<ul style="list-style-type: none"> <li>All habitat types</li> <li>When natural removal rates are fast</li> <li>Degree of oiling is light</li> <li>Access is severely restricted or dangerous to cleanup crews</li> <li>When cleanup actions will do more harm than natural removal</li> </ul>	<ul style="list-style-type: none"> <li>Oil may persist for significant periods of time</li> <li>Remobilized oil or sheens may impact other areas</li> <li>Higher probability of impacting wildlife</li> </ul>
13. Dispersants (use of dispersants requires Federal or State approval)	Dispersants are used to reduce the oil/water interfacial tension thereby decreasing the energy needed for the slick to break into small particles and mix into the water column. Specially formulated	Dispersants Boat or aircraft	<ul style="list-style-type: none"> <li>Water bodies with sufficient depth and volume for mixing and dilution</li> <li>When the impact of the floating oil has been determined to be greater than the</li> </ul>	<ul style="list-style-type: none"> <li>Use in shallow water could affect benthic resources</li> <li>May adversely impact organisms in the upper 30 feet of the water column</li> <li>Some water-surface and shoreline impacts could</li> </ul>

products containing surface-active agents are sprayed from aircraft or boats onto the slick.		impact of dispersed oil on the water-column community	occur
1 - Per 1000 feet of shoreline or oiled area			

Cleanup methods are provided in the appropriate Area Contingency Plan (ACP), NOAA's "Shoreline Assessment Manual," and NOAA's "Options for Minimizing Environmental Impacts of Freshwater Spill Response." (See <http://response.restoration.noaa.gov> for the latter two.)

#### 6.4 WILDLIFE PROTECTION AND REHABILITATION

- The Company will support wildlife protection and rehabilitation efforts during the response, but will not typically directly manage these efforts
- Company personnel will not attempt to rescue or clean affected wildlife, because such actions may cause harm to the individuals or may place the animals at further risk
- Federal and state agencies responsible for wildlife capture and rehabilitation will typically coordinate capturing and rehabilitating oiled wildlife; a list of these agencies are included in **FIGURE 3.1-4**
- Wildlife rehabilitation specialists may be utilized to assist in capturing and rehabilitating oiled animals as well as deterring unaffected animals away from the spill site.

#### 6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	New Jersey
Chaffseed, American	<i>Schwalbea americana</i>	Acidic, sandy or peaty soils in open pine flatwoods	E	New Jersey
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	Clear offshore waters off the mainland and on island shelves	E	New Jersey
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	Shallow areas with sandy and muddy bottoms	E	New Jersey
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	Warm sands of tropical beaches	E	New Jersey
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	Rivers, estuaries, and the sea	E	New Jersey

Tern, roseate northeast U.S. nesting pop.	<i>Sterna dougallii dougallii</i>	Coastal islands and beaches	E	New Jersey
Wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	Slow moving, sandy rivers	E	New Jersey
Whale, finback	<i>Balaenoptera physalus</i>	Offshore ocean waters	E	New Jersey
Whale, humpback	<i>Megaptera novaeangliae</i>	Surface of the ocean	E	New Jersey
Whale, right	<i>Balaena glacialis (incl. australis)</i>	Surface of the ocean	E	New Jersey
Amaranth, seabeach	<i>Amaranthus pumilus</i>	Dunes, overwash fans and other areas of bare sand	T	New Jersey
Beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	Slow-moving streams in the New Jersey Pinelands region	T	New Jersey
Joint-vetch, sensitive	<i>Aeschynomene virginica</i>	Freshwater to slightly brackish tidal marshes	T	New Jersey
Pink, swamp	<i>Helonias bullata</i>	Acidic wetlands	T	New Jersey
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	New Jersey
Pogonia, small whorled	<i>Isotria medeoloides</i>	Cidic soils, in dry to mesic second-growth	T	New Jersey
Sea turtle, green except where endangered	<i>Chelonia mydas</i>	Coasts, open sea	T	New Jersey

T - Threatened  
E - Endangered

## 6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Sea turtle, loggerhead	<i>Caretta caretta</i>	Estuaries, coastal streams and salt marshes	T	New Jersey
Tiger beetle, northeastern beach	<i>Cicindela dorsalis dorsalis</i>	Coastal beaches	T	New Jersey
Turtle, bog (=Muhlenberg) northern	<i>Clemmys muhlenbergii</i>	Calcareous (limestone) fens, sphagnum bogs, and wet, grassy pastures	T	New Jersey

Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	New York
Butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	Pine barrens and oak savannas on sandy soils	E	New York
Gerardia, sandplain	<i>Agalinis acuta</i>	Dry, sandy, short grass plains, roadsides, and openings in oak scrub	E	New York
Plover, piping Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	E	New York
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	Clear offshore waters off the mainland and on island shelves	E	New York
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	Sand/duneShallow areas with sandy and muddy bottoms	E	New York
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	Warm sands of tropical beaches	E	New York
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	Rivers, estuaries, and the sea	E	New York
Tern, roseate northeast U.S. nesting pop.	<i>Sterna dougallii dougallii</i>	Coastal islands and beaches	E	New York
Wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	Slow moving, sandy rivers	E	New York
Whale, finback	<i>Balaenoptera physalus</i>	Offshore ocean waters	E	New York
Whale, humpback	<i>Megaptera novaeangliae</i>	Surface of the ocean	E	New York
Whale, right	<i>Balaena glacialis (incl. Australis)</i>	Surface of the ocean	E	New York
Amaranth, seabeach	<i>Amaranthus pumilus</i>	Dunes, overwash fans and other areas of bare sand	T	New York
Fern, American hart's-tongue	<i>Asplenium scolopendrium var. americanum</i>	High humidity, deeply shaded conditions near limestone sinks and caves	T	New York

T - Threatened

E - Endangered

## 6.5 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Goldenrod, Houghton's	<i>Solidago houghtonii</i>	Sparsely vegetated, moist, sandy, interdunal depressions,	T	New York

		beach flats and beach sands		
Lynx, Canada (Contiguous U.S. DPS)	<i>Lynx canadensis</i>	Mature forests with dense undergrowth	T	New York
Monkshood, northern wild	<i>Aconitum noveboracense</i>	Cold stream beds, mossy banks, cliffs, slopes, and cold woods	T	New York
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	New York
Roseroot, Leedy's	<i>Sedum integrifolium ssp. leedyi</i>	Cool, wet ground-fed limestone cliffs	T	New York
Sea turtle, green except where endangered	<i>Chelonia mydas</i>	Coasts, open sea	T	New York
Sea turtle, loggerhead	<i>Caretta caretta</i>	Estuaries, coastal streams and salt marshes	T	New York
Snail, Chittenango ovate amber	<i>Succinea chittenangoensis</i>	Wet cliff walls and talus at the base of Chittenango Falls	T	New York
Turtle, bog (=Muhlenberg) northern	<i>Clemmys muhlenbergii</i>	Calcareous (limestone) fens, sphagnum bogs, and wet, grassy pastures	T	New York

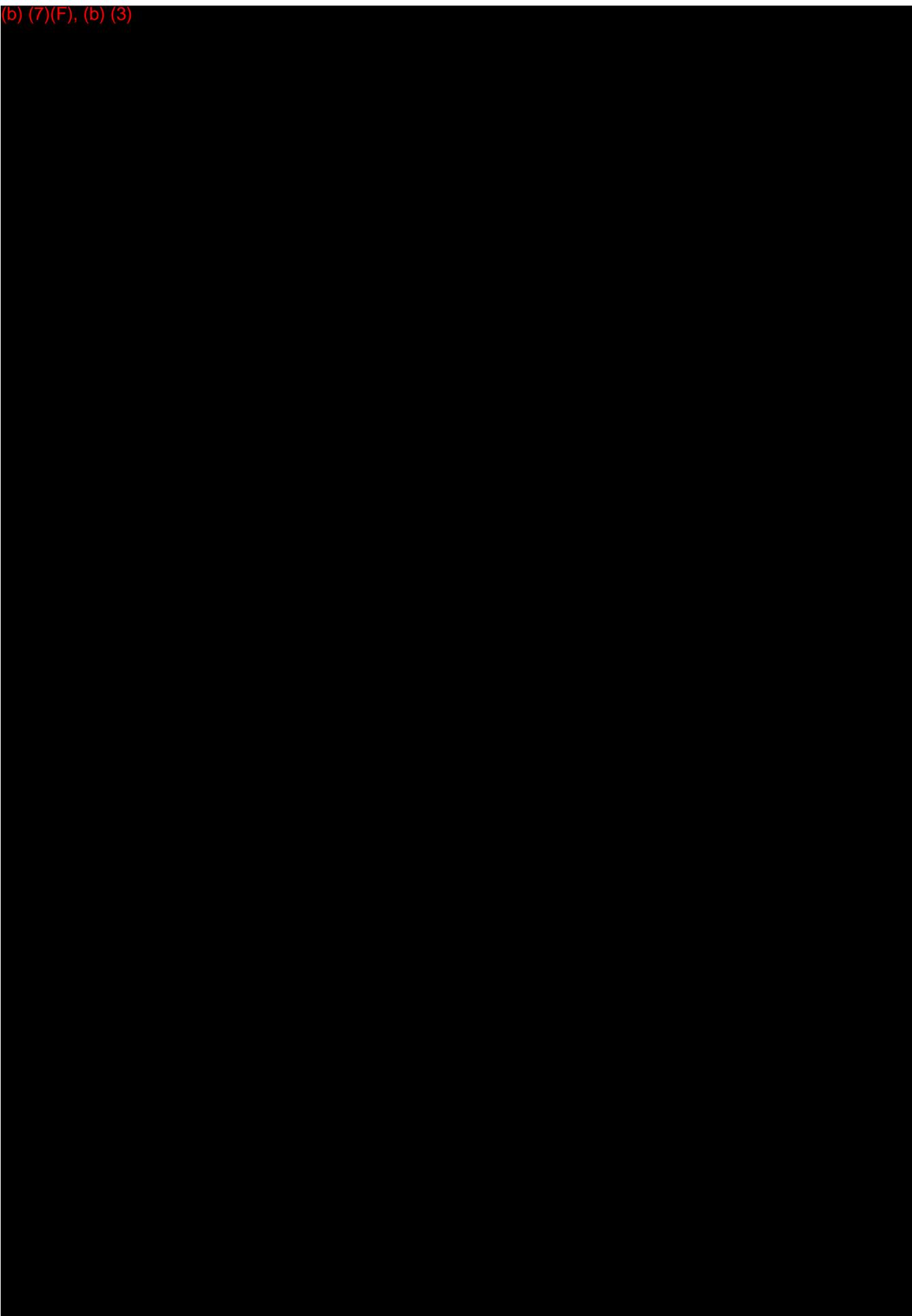
T - Threatened  
E - Endangered

## 6.6 LINE SECTION DISPLACEMENT

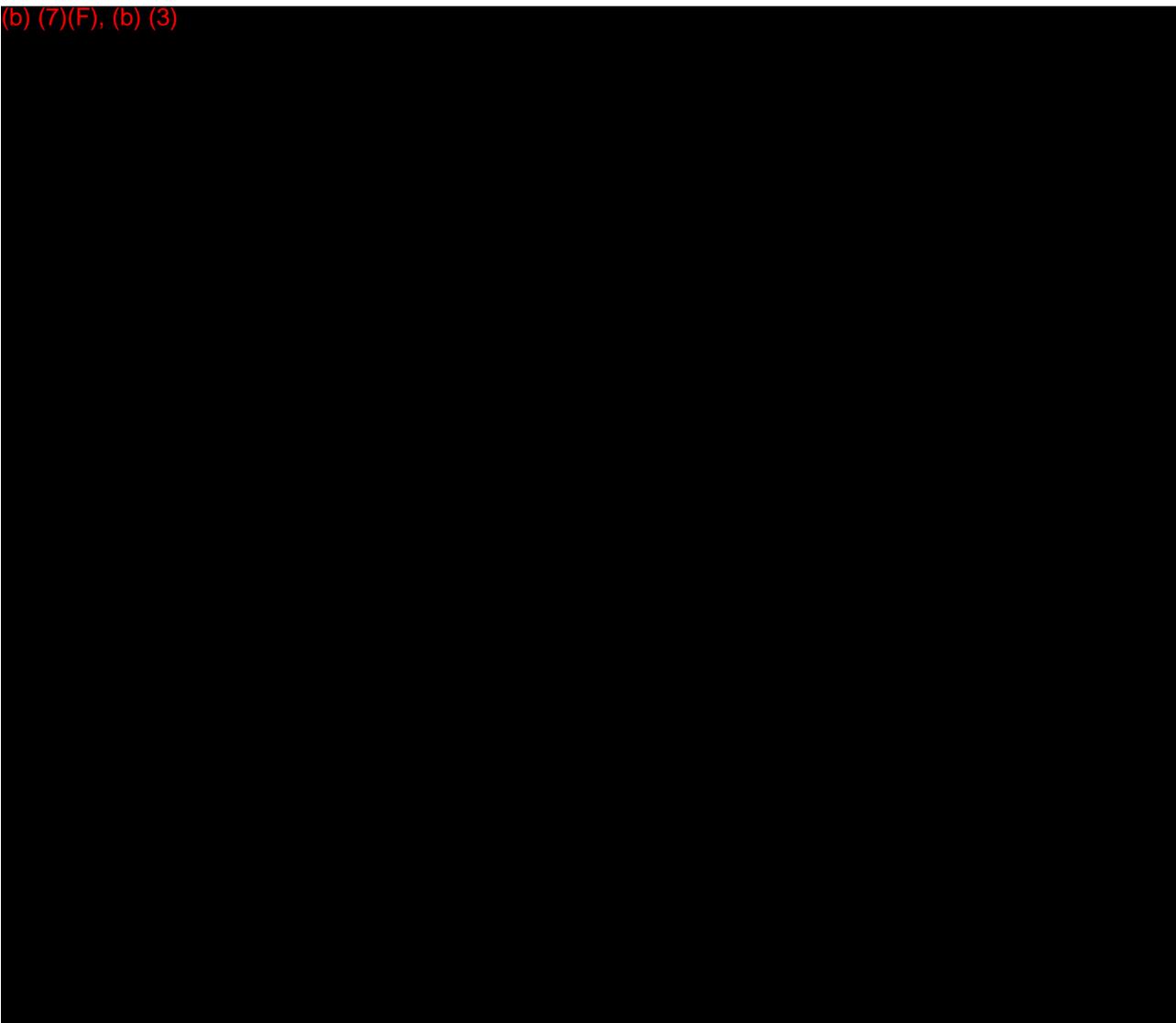
(b) (7)(F), (b) (3)

## 6.7 BLOCK VALVE LOCATIONS

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)

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## 6.8 LAND OWNERS

NAME	PHONE #	ADDRESS	MILE POST/STATION
CITGO Petroleum Corporation	908-862-3300	4801 S. Wood Ave., Linden, NJ 07036	Mile Posts are not used

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## 6.9 VULNERABILITY ANALYSIS (DETAILED)

VULNERABILITY ANALYSIS (DETAILED)
<b>Water Intakes:</b>
There are no drinking water intakes noted.
<b>Schools:</b>

There are no schools located in the vicinity of the terminal.

#### **Medical Facilities:**

There are no medical facilities located in the immediate area or within the projected downstream discharge path.

#### **Residential Areas:**

There are residential areas within close proximity to the Tremley Terminal.

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### 6.9 VULNERABILITY ANALYSIS (DETAILED) , CONTINUED

#### **VULNERABILITY ANALYSIS (DETAILED)**

##### **Businesses:**

Several local businesses border the terminal to the north and the west. These are identified on the Contact List located in Annex 2.

##### **Wetlands or Other Sensitive Environments:**

There are numerous wetland areas along the Arthur Kill and Raritan Bay. These are identified on the Environmental and Economic Protection Strategies Map located in Section 1.2 of this Annex.

##### **Fish and Wildlife:**

The Arthur Kill and Raritan Bay provides important fish and wildlife habitats. There are several areas considered critical habitat for birds such as Pralls Island and Shooters Island. Some of the more prominent species are listed in SECTION 6.13.

Much of the coastal region is commercially important for several species of shellfish (clams, oysters, and other mollusks) and crustaceans. Environmental damages to salt marshes, intertidal zones, and subtidal habitats within the response area caused by petroleum product and chemical spills could result in severe ecological and economic impacts on these species.

##### **Lakes and Streams:**

There are no lakes or streams within the planning distance for the terminal. The rivers and creeks are part of the shoreline tidal system.

**Linden**

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### 6.9 VULNERABILITY ANALYSIS (DETAILED), CONTINUED

#### **VULNERABILITY ANALYSIS (DETAILED)**

##### **Endangered Flora and Fauna:**

There are no records of any observations of rare or endangered flora or fauna within the planning distance for the Terminal. The above listing of species denotes endangered species with and underlining. These species are noted within the area; however, these are not noted in recorded populations or as having rookeries within the planning distance for the terminal.

**Recreational Areas:**

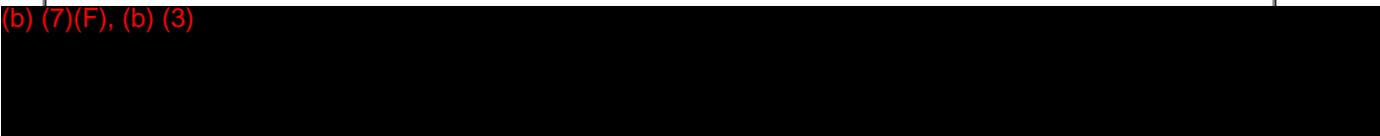
There are no noted recreational areas within the planning distance for the terminal. There are several boat ramps, marinas and small park areas along the Kill and Raritan Bay.

**Transportation Routes (Air, Water, Land):**

Interstate 95 runs between the two tank farms. In the event of a large discharge, traffic could be affected for a period of time. The Arthur Kill is a high use commercial waterway. A significant discharge that entered the Kill could halt marine traffic. This would have an adverse impact on shipping and possibly refuse collection for New York City. The Arthur Kill is used by trash barges to transport collected trash to the Fresh Kills Landfill.

**Utilities:**

(b) (7)(F), (b) (3)

**Other Applicable Areas:**

**Linden**

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## 6.10 TACTICAL OVERVIEW MAP



## Linden

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## 6.11 TACTICAL PLAN INDEX

SITE #	SITE NAME
Site 1	<u>Piles Creek</u>
Site 2	<u>Old Place Creek</u>
Site 3	<u>Moreses Creek</u>
Site 4	<u>Pralls Island</u>
Site 5	<u>Neck Creek</u>
Site 6	<u>Rahway River</u>
Site 7	<u>NRG Energy Arthur Kill</u>

Site 8	<u>Island of Meadows</u>
Site 9	<u>Smith Creek</u>
Site 10	<u>Woodbridge Creek</u>
Site 11	<u>Mill Creek</u>
Site 12	<u>Tottenville Marina</u>
Site 13	<u>Raritan River</u>
Site 14	<u>Wolfs Pond Park</u>
Site 15	<u>Lemon Creek</u>

Use the Tactical Plans (**SECTION 6.12**) in conjunction with the Sensitivity Maps (**SECTION 6.13**). Refer to **SECTION 7.1.1** for on-site response equipment. Additional response resources will be maintained and supplied by the contracted OSROs in **APPENDIX B**, as necessary.

**Linden**

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## 6.12 TACTICAL PLANS

**[Click here for Site 1 - Piles Creek](#)**

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## 6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 2 - Old Place Creek](#)**

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## 6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 3 - Moreses Creek](#)**

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## 6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 4 - Pralls Island](#)**

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## 6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 5 - Neck Creek](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 6 - Rahway River](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 7 - NRG Energy Arthur Kill](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 8 - Island of Meadows](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 9 - Smith Creek](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 10 - Woodbridge Creek](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 11 - Mill Creek](#)**

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6.12 TACTICAL PLANS , CONTINUED

**[Click here for Site 12 - Tottenville Marina](#)**

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## 6.12 TACTICAL PLANS , CONTINUED

[Click here for Site 13 - Raritan River](#)

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## 6.12 TACTICAL PLANS , CONTINUED

[Click here for Site 14 - Wolfs Pond Park](#)

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## 6.12 TACTICAL PLANS , CONTINUED

[Click here for Site 15 - Lemon Creek](#)

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## 6.13 SENSITIVITY MAPS

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## 6.13 SENSITIVITY MAPS

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## 6.13 SENSITIVITY MAPS

[Click here for Legend](#)

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## 6.13 SENSITIVITY MAPS

[Click here for Map 1 of 5](#)

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## 6.13 SENSITIVITY MAPS

[Click here for Map 2 of 5](#)

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6.13 SENSITIVITY MAPS

[Click here for Map 3 of 5](#)

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6.13 SENSITIVITY MAPS

[Click here for Map 5 of 5](#)

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6.13 SENSITIVITY MAPS

[Click here for Map 4 of 5](#)

## SECTION 7

Last revised: December 18, 2013

## SUSTAINED RESPONSE ACTIONS

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7.1 Response Resources7.1.1 Facility Response EquipmentFigure 7.1-1 - Regional Company and Response Contractor's Equipment List / Response Time7.1.2 Response Equipment Inspection and Maintenance7.1.3 Contracts, Contractor Equipment, and Labor7.1.4 Command PostFigure 7.1-2 - Command Post Checklist7.1.5 Staging Area7.1.6 Communications PlanFigure 7.1-3 - Communications Checklist7.2 Public AffairsFigure 7.2-1 - Incident Fact SheetFigure 7.2-2 - Telephone Inquiry FormFigure 7.2-3 - In-Person Interview FormFigure 7.2-4 - Media Briefing Template7.3 Site Security MeasuresFigure 7.3-1 - Site Security ChecklistFigure 7.3-2 - Facility Security7.4 Waste ManagementFigure 7.4-1 - Waste Management Flow ChartFigure 7.4-2 - General Waste Containment and Disposal Checklist

SECTION 7  
SUSTAINED RESPONSE ACTIONS, CONTINUED

---

7.4.1 Waste Storage

Figure 7.4-3 - Temporary Storage Methods

7.4.2 Waste Transfer

7.4.3 Waste Disposal

Figure 7.4-4 - Facility Specific Disposal Locations

## 7.1 RESPONSE RESOURCES

## 7.1.1 Response Equipment

CATEGORY	TYPE/MODEL	QUANTITY	SIZE	YEAR PURCHASED	OPERATIONAL STATUS	LOCATION
Facility						
Response Equipment	Sorbent Pads	20 bales	N/A		Operational	Warehouse
Response Equipment	Sorbent Boom	250 ft	N/A		Operational	Warehouse
Response Equipment	Containment Boom	2,000 ft	N/A		Operational	Dock Area

**\*Note:** Response equipment is tested and deployed as described in **FIGURE A.1-2** and **FIGURE A.1-4** of the Spill Response Plan.

**FIGURE 7.1-1 - REGIONAL COMPANY AND RESPONSE CONTRACTOR'S EQUIPMENT LIST / RESPONSE TIME**

\* USCG Classified OSRO for facility

COMPANY/CONTRACTOR	EQUIPMENT	RESPONSE TIME
Auchter Industrial Vac Service, Inc. Linden, NJ	Vac Truck	1 hours
Miller Marine Linden, NJ	Full response capabilities	1 hours
*MSRC OSRO Star Partners Equipment Lists For Spill Response Herndon, VA	Full Response Capabilities per U.S. Coast Guard Classification	1 hours
*Clean Harbors Cooperative L.L.C. Linden, New Jersey	Full response capabilities	1 hours
*Clean Harbors Environmental Edison, NJ	Full response capabilities	1 hours
*MSRC - Marine Spill Response Corporation Herndon, VA	Full Response Capabilities per U.S. Coast Guard Classification	2 hours

## 7.1.2 Response Equipment Inspection and Maintenance

Company response equipment is tested and inspected as noted below. The Manager of

Operations is responsible for ensuring that the following response equipment and testing procedures are implemented. These consist of:

- Containment boom** During semiannual boom deployment exercises (if applicable), boom will be inspected for signs of structural deficiencies. If tears in fabric or rotting is observed, boom will be repaired or replaced. In addition, end connectors will be inspected for evidence of corrosion. If severe corrosion is detected, equipment will be repaired or replaced.
- Miscellaneous equipment** Other response equipment identified in this Plan will be inventoried and tested on a semiannual basis to ensure that the stated quantities are in inventory and in proper working order. The equipment inspection and deployment exercises are recorded and maintained at the facility and retained for a period of five years. Exercise requirements are listed in **APPENDIX A.1**. A Spill/Exercise Documentation form is in **FIGURE A.1-3**. **FIGURE A.1-4** provides a log for response equipment testing and deployment drills.

### 7.1.3 Contractors, Contractor Equipment, and Labor

- The Company's primary response contractors' names and phone numbers, as well as other companies who can provide spill response services, are provided in **FIGURE 3.1-4**
- The Company has ensured by contract the availability of private personnel and equipment necessary to respond, to the maximum extent practicable, to the worst case discharge or the substantial threat of such discharge
- Contractors without USCG classification deploy and inspect boom to meet PREP guidelines. Company requires that these exercises are completed annually
- **APPENDIX B** contains evidence of contracts for the Company's primary response contractors and equipment lists of contractors without USCG classification

### 7.1.4 Command Post

In the event of a major spill or other emergency, both an off-site Emergency Operations Center (EOC) and a Command Post may be established. For a minor emergency, only a Command Post may be established. Refer to **FIGURE 7.1-2** for guidelines in establishing a Command Post.

FIGURE 7.1-2 - COMMAND POST CHECKLIST

COMMAND POST CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Ensure adequate space for size of staff.			
Ensure 24-hour accessibility.			
Ensure personal hygiene facilities.			
Ensure suitability of existing communications resources (phone/fax/radio).			
Ensure suitability of private conference and briefing rooms.			
Identify Command Post security requirements, safe location.			
Notify other parties of Command Post location; provide maps/driving directions.			
Determine staging areas and incident base locations.			
Identify future need to move, upgrade facilities.			

Command Posts for this facility are located at: the Terminal Office building.

#### 7.1.5 Staging Area

In a major spill response, numerous staging areas may be required to support containment and cleanup operations.

In selecting a suitable staging area, the following criteria should be considered:

- Accessibility to impacted areas
- Proximity to secure parking, airports, docks, pier, or boat launches
- Accessibility to large trucks and trailers that may be used to transfer equipment

In addition, the staging area should:

- Be in a large open area in order to provide storage for equipment and not interfere with equipment loading and offloading operations
- Have a dock/pier on site for deploying equipment
- Have moorage available for vessels to aid the loading/offloading of personnel

Staging areas for this facility are located at: behind Warehouse at Warner's, Tremley parking lot and just outside of gate.

### 7.1.6 Communications Plan

Normal Company communications to the Facility are conducted via telephone lines, cellular telephones, two-way radios, e-mail, fax machines, and pagers.

Direct Hotline to Buckeye Pipeline Company - Landline/Tremley Office Building

6 Motorola UHF Terminal Radio Units

3 Motorola UHF Base Stations (Terminal)

9 cell phones

Additional communications equipment (VHF portable radios with chargers and accessories, command post with UHF, VHF, single sideband, marine, aeronautical, telephone, and hard-line capability) may be provided by the Company or leased from a communications company in the area. Communications with government agencies, state police, and contractors can be conducted on portable radios. Refer to **FIGURE 7.1-3** for guidelines to setup communications.

The Communications Plan, written at the time of an incident, will identify telephone numbers and radio frequencies used by responders. This may also involve activation of multiple types of communications equipment and coordination among multiple responding agencies and contractors.

FIGURE 7.1-3 - COMMUNICATIONS CHECKLIST

COMMUNICATIONS CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Develop a Communications Plan.			
Ensure adequate phone lines per staff element - contact local provider.			
Ensure adequate fax lines - contact local provider.			
Evaluate need for Internet access.			
Ensure recharging stations for cellular phones.			
VHF radio communications: <ul style="list-style-type: none"> <li>• Establish frequencies</li> <li>• Assign call signs</li> <li>• Distribute radios</li> <li>• Establish communications schedule</li> </ul>			
Ensure recharging stations for VHF radios.			
Determine need for VHF repeaters.			
Ensure copy machine available.			
Ensure communications resource accountability.			
Ensure responders have capability to communicate with aircraft.			

**Note:** Actions on this checklist may not be applicable or may be continuous activities.

## 7.2 PUBLIC AFFAIRS

This section contains guidelines for dealing with the media during an emergency. The Incident Commander will play a key role in providing the initial public assessment and taking the first steps to provide the Company's public response. Information in this section includes:

- Guidelines for dealing with the media
- Providing limited information
- Statement (**FIGURE 7.2-1**)
- Telephone Inquiry Form (**FIGURE 7.2-2**)
- In-Person Interview Form (**FIGURE 7.2-3**)
- Media Briefing Template (**FIGURE 7.2-4**)

### GUIDELINES FOR DEALING WITH THE MEDIA

#### Media Statement

#### CHOICE OF WORDS DURING PHONE CALL FOR NON-SPOKESPERSONS

If you are **not** an authorized spokesperson or the right person to respond, say:

- A. "I'd be glad to help you. I'll connect you with \_\_\_\_\_ (give name), who is our \_\_\_\_\_ (give title)."

**Stay on the phone; contact an alternate spokesperson if the primary spokesperson is not available. If the caller persists in wanting you to comment:**

- B. "We want to make sure everyone is given equal access to the same spokesperson, so you get the most accurate and current information we have available."

**If spokesperson is not in office, offer to page them:**

- C. "Let me write down your name and media outlet/agency. I'll page one of our spokespersons, and ask they call you back as soon as possible. What's your telephone number? fax number? What's your e-mail address? deadline?"

Offer to e-mail/fax the latest news release when available.

### PROVIDING LIMITED INFORMATION

**If you are authorized to provide limited information:**

1. Identify your name and job title
2. Document the inquiry and obtain contact information
3. Confirm if incident involves your company
4. Confirm if incident is still underway
5. Read latest available News Release
6. Document and refer questions to authorized person
7. Offer to e-mail/fax statement and directions to JIC
8. Advise caller how to obtain more information:
  - Offer to page authorized Spokesperson
  - Offer to e-mail/fax next News Release
  - Offer to provide Information Kit materials
  - Provide your company's website

**Linden**

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**FIGURE 7.2-1 - STATEMENT # \_\_\_\_: FACILITY INCIDENT**

About \_\_\_\_\_, a/an \_\_\_\_\_ was reported at \_\_\_\_\_,  
 (time (a.m./p.m.)) (type of incident) (company's facility name)  
 located at \_\_\_\_\_. An estimated \_\_\_\_\_ of \_\_\_\_\_ were  
 (address and city) (quantity range) (name of product)  
 accidentally released from \_\_\_\_\_. This product is \_\_\_\_\_ and is  
 (source of release) (physical properties)  
 \_\_\_\_\_. \_\_\_\_\_ is used to make \_\_\_\_\_.  
 (level of toxicity or flammability) (product) (common end-use products)

The cause of the incident is under investigation.

Our emergency response plan has been activated, appropriate agencies have been notified, and the following resources have been mobilized and are on the scene:

---



---



---

(fill in specific **details and numbers** from Incident Commander)

At this time, the release:

- Has been stopped/isolated; the incident is under control, and cleanup is underway.
- Continues, but is confined to the immediate area; no additional impact is expected.

Continues, but will be stopped (or contained) as quickly and safely as possible.

We are accounting for all persons who were in the area at the time of the incident:

That process is currently underway. Everyone should be accounted for shortly.

At this time, we have no report of any deaths or serious injuries at the scene.

We regret to report that \_\_\_\_ (deaths/injuries) have been confirmed.

Those individuals have been transported to \_\_\_\_\_ Hospital which is in the process of notifying family members.

Based on present winds from the \_\_\_\_\_ at \_\_\_\_\_ mph, this incident poses:

No threat to the surrounding community.

Some threat to the surrounding community due to \_\_\_\_\_.

(fire, smoke, toxic fumes, etc.)

As a safety precaution, we have recommended to local authorities that all persons within \_\_\_\_\_ miles

(distance)

of the incident \_\_\_\_\_. This means persons between \_\_\_\_\_

(evacuate or shelter-in-place)

(describe N, S, E, W

boundaries)

should \_\_\_\_\_.

(describe evacuation or shelter-in-place procedures)

CITGO has recommended to local law enforcement that the following roads be closed to all traffic except emergency vehicles:

---



---



---

We regret the inconvenience to our industrial or community neighbors, but our top priority right now is to protect the safety of our employees, responders, and the public.

Please call \_\_\_\_\_ or tune to your local radio/TV stations for more information.

**Linden**

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## FIGURE 7.2-2 - TELEPHONE INQUIRY FORM

### 1. INTRODUCE YOURSELF & GET THE CALLER'S CONTACT INFORMATION:

"My name is \_\_\_\_\_. I am the \_\_\_\_\_ for CITGO Petroleum Corp.

(information officer or \_\_\_\_\_)

And you are?"

Reporter: \_\_\_\_\_

Media \_\_\_\_\_

Outlet: \_\_\_\_\_

Location: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ Deadline: \_\_\_\_\_ am/pm

## 2. DEFINE YOUR TIMEFRAME & READ PRE-APPROVED STATEMENT:

“I only have \_\_\_ minutes now. Let me tell you what information we’ve confirmed, then I’ll take a few questions. Would you like to record this interview? I will be taping our conversation.”

*(You really should record the interview, also.)*

*(Read statement here; it should include a brief incident summary, limited to response actions, personnel status, public impact, and protective actions required).*

## 3. INTERRUPTIONS:

*If reporter interrupts, say:*

“Please hold your questions. My statement should answer your questions. The more you interrupt, the less time I’ll have for your questions.”

## 4. DEFINE GUIDELINES FOR, TAKE QUESTIONS, AND PROVIDE ANSWERS (if appropriate):

“I have time for 3 or 4 questions before I must get back to the Command Post.”

*(Count down the questions in reverse order:)*

**RECORD** Reporter’s Question/Your Answer:

4.Q: \_\_\_\_\_

A: \_\_\_\_\_

3.Q: \_\_\_\_\_

A: \_\_\_\_\_

2.Q: \_\_\_\_\_

A: \_\_\_\_\_

1.Q: \_\_\_\_\_

A:

---

**5. CLOSE:**

“That’s all the time I have available right now. I’ll e-mail or fax you our next news release and let you know if we schedule a news conference. Thank you and goodbye!”  
(hang up)

**Linden**

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**FIGURE 7.2-3 - IN-PERSON INTERVIEW FORM****1. INTRODUCE YOURSELF:**

Good morning/afternoon/evening! My name is \_\_\_\_\_ (spell if needed) and I am the Information Officer for CITGO Petroleum.  
*If available, pass out your business card.*

**2. DEFINE YOUR TIMEFRAME AND GROUNDRULES:**

I have only \_\_\_ minutes available right now. I have more information for you and want to be able to take and answer some of your questions. *(If appropriate)* A “camera throw line” has been established so you can obtain a good visual and clear audio, so I ask you to remain behind this line. If you have a pager or cell phone, please turn it off or to silent mode so it will not disturb our time. Thank you!

**3. READ APPROVED STATEMENT (separate from):**

*(Make eye contact with each reporter for 10 seconds) If you are interrupted during your statement, say:* Please hold your questions. My statement should answer most of your questions. The more you interrupt me, the less time I’ll have later for your questions.

**4. CLOSE WITH A 20-SECOND SUMMARY OF YOUR TOP 3 KEY MESSAGES**

*(Might want to move this portion to the end, after 6 below depending on the incident, situation to be able to refocus attention)*

Let me summarize with these three key points for your listeners/viewers/readers:

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

**5. DEFINE GUIDELINES FOR QUESTIONS:**

I have about \_\_\_\_\_ minutes left for \_\_\_\_\_ questions **or:** time for 3 questions from each of you.

*If you are speaking to multiple reporters, say:*

I’ll start with the reporter of my far left, and then move to the right. Please limit yourself to one question per round.

**6. COUNT DOWN REMAINING QUESTIONS:**

I have time for 2 more questions. **Then:** One last question!

## 7. PROMISE TO RETURN:

That's all the time I have available right now. I need to return to our response activities.

**(If appropriate)** The next briefing will be scheduled at \_\_\_\_\_

(time/place).

**LEAVE - WALK AWAY**

Linden

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## FIGURE 7.2-4 - MEDIA BRIEFING TEMPLATE

### INTRODUCE YOURSELF:

"My name is \_\_\_\_\_ (spell), and I am the \_\_\_\_\_ for CITGO Petroleum Corporation With me are: \_\_\_\_\_.

### GROUND RULES:

We only have \_\_\_\_\_ minutes available right now to brief you on the current situation, and then we'll take questions in the time remaining. Please hold your questions until after the opening statement(s). Background information (and any previous news releases) are available on the back table. If you have a pager or cell phone, please turn it off or to a silent mode, so it won't disrupt the briefing. Thank you!

### OPENING STATEMENT:

1. What happened? When? Where? (Give map orientation, then show on map)

---



---



---

2. Deal first with bad news (deaths, injuries, damage, community or environmental impact):

---



---



---

The patient(s) are being treated at \_\_\_\_\_ Hospital which may release more information after family members are notified.

3. Express empathy and explain how you are helping those affected:

---



---



---

A telephone hotline is now open at (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_ to report any damage or request any special assistance.

4. Explain any hazard(s), health risks, symptoms, or dangers to the area or the public:

5. Any nearby at-risk locations? Explain what protective actions are in effect (if any):

---



---



---

**Linden**

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**FIGURE 7.2-4 - MEDIA BRIEFING TEMPLATE, CONTINUED**

6. As a safety precaution, the following roads/streets have been closed by authorities:

_____	from _____	to _____
_____	from _____	to _____
_____	from _____	to _____
_____	from _____	to _____

As alternate routes, motorists should use \_\_\_\_\_

7. Is incident contained or under control? Explain status and actions taken:

---



---



---

8. Thank any mutual aid responders or other outside assistance provided:

---



---



---

9. Any good news to report?

---



---



---

10. Cause of the incident is under investigation; no damage estimates are available yet.

Our top priorities are (or have been):

- A. To protect the safety of our employees, responders, and the public,
- B. To minimize any impact on the public or environment,
- C. To bring the incident under control as quickly and safely as possible.

11. Let me summarize the situation again: (3 Key Messages)

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

**FIGURE 7.2-4 - MEDIA BRIEFING TEMPLATE, CONTINUED****GROUND RULES:**

“We have about \_\_\_\_ minutes left for questions. To make sure everyone has an equal opportunity to ask questions, please state one question at a time. I’ll start with this reporter to my far left.” (Record questions or have an assistant take them down, include answers given. Refer technical/detailed questions to appropriate panel members)

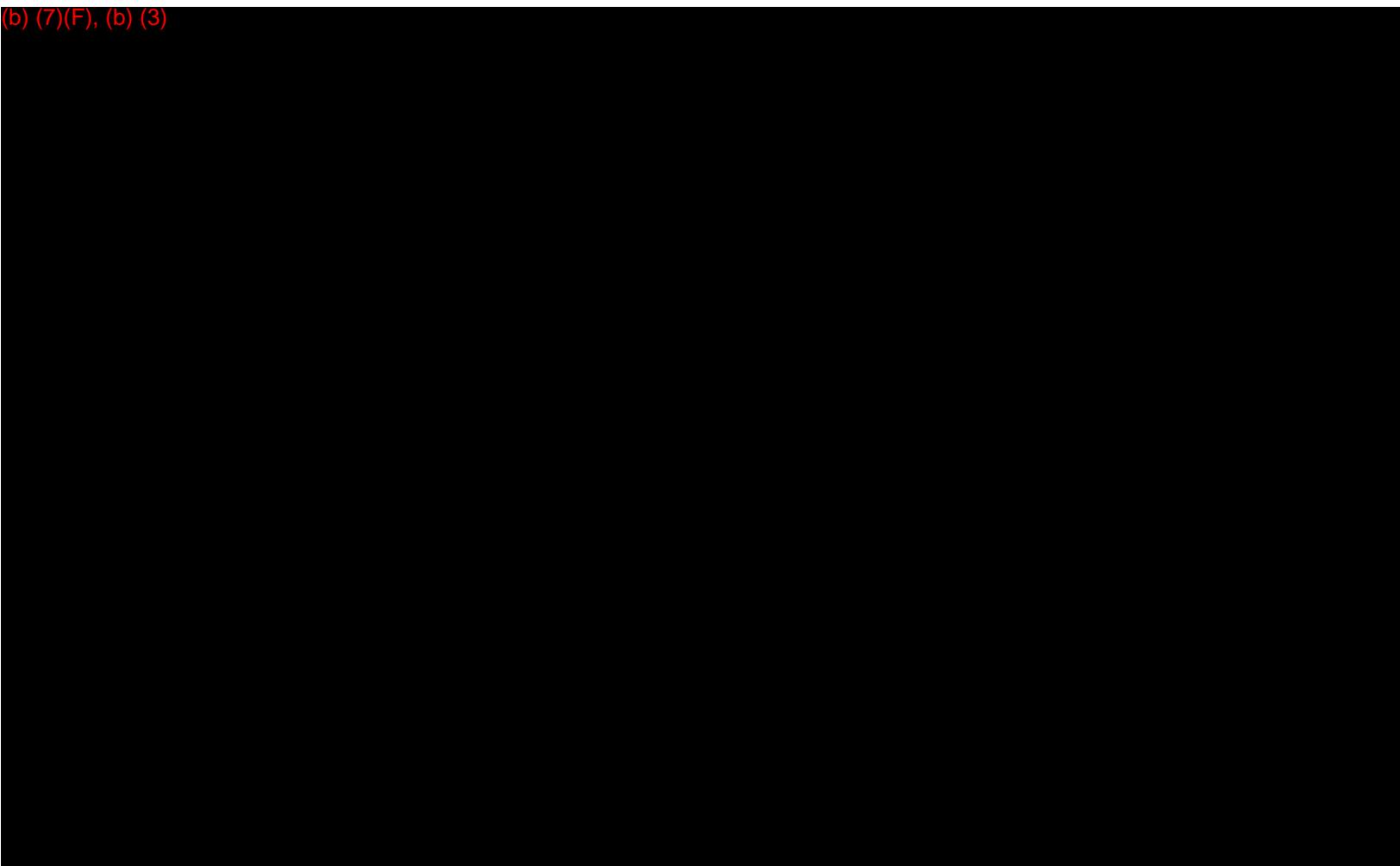
**CLOSING STATEMENT:**

“We have time for just two more questions.” **THEN** “One last question.”

“We need to leave now to return to our response effort, and find out answers to the other questions that you asked. The next media briefing is scheduled at \_\_\_\_\_ in \_\_\_\_\_. In the meantime, my assistant \_\_\_\_\_ will remain here to write down any additional questions or special interview requests. Please let us know of any deadlines you are facing, or any other needs you may have. Thank you very much!” (**depart quickly** from a separate exit door at opposite end of room from media)

**7.3 SITE SECURITY MEASURES**

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)



FIGURE 7.3-2 - FACILITY SECURITY

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)

## 7.4 WASTE MANAGEMENT

Initial oil handling and disposal needs may be overlooked in the emergency phase of a response, which could result in delays and interruptions of cleanup operations. Initially, waste management concerns should address:

- Equipment capacity
- Periodic recovery of contained oil
- Adequate supply of temporary storage capacity and materials

The following action items should be conducted during a spill response:

- Development of a Site Safety and Health Plan (**SECTION 5.4**) addressing the proper PPE and waste handling procedures
- Development of a Disposal Plan (**SECTION 5.6**) in accordance with any federal, state, and/or local regulations. Facility-specific disposal locations for different types of materials are listed in **FIGURE 7.4.4**.
- Continuous tracking of oil disposition in order to better estimate amount of waste that could be generated over the short and long-term
- Organization of waste collection, segregation, storage, transportation, and proper disposal
- Minimization of risk of any additional pollution
- Regulatory review of applicable laws to ensure compliance and (if appropriate) obtain permits
- Documentation of all waste handling and disposal activities
- Disposal of all waste in a safe and approved manner

Good hazardous waste management includes:

- Reusing materials when possible
- Recycling or reclaiming waste
- Treating waste to reduce hazards or reducing amount of waste generated

- The management of the wastes generated in cleanup and recovery activities must be conducted with the overall objective of ensuring:
  - Worker safety
  - Waste minimization
  - Cost effectiveness
  - Minimization of environmental impacts
- Proper disposal
- Minimization of present and future environmental liability

Solid wastes such as sorbents, PPE, debris, and equipment will typically be transported from the collection site to a designated facility for:

- Storage
- Waste segregation
- Packaging
- Transportation

Once this process is complete, the waste will be shipped off-site to an approved facility for required disposal.

A general flow chart for waste management guidelines is provided in **FIGURE 7.4-1**. An overall checklist for containment and disposal is provided in **FIGURE 7.4-2**.

#### **FIGURE 7.4-1 - WASTE MANAGEMENT FLOW CHART**

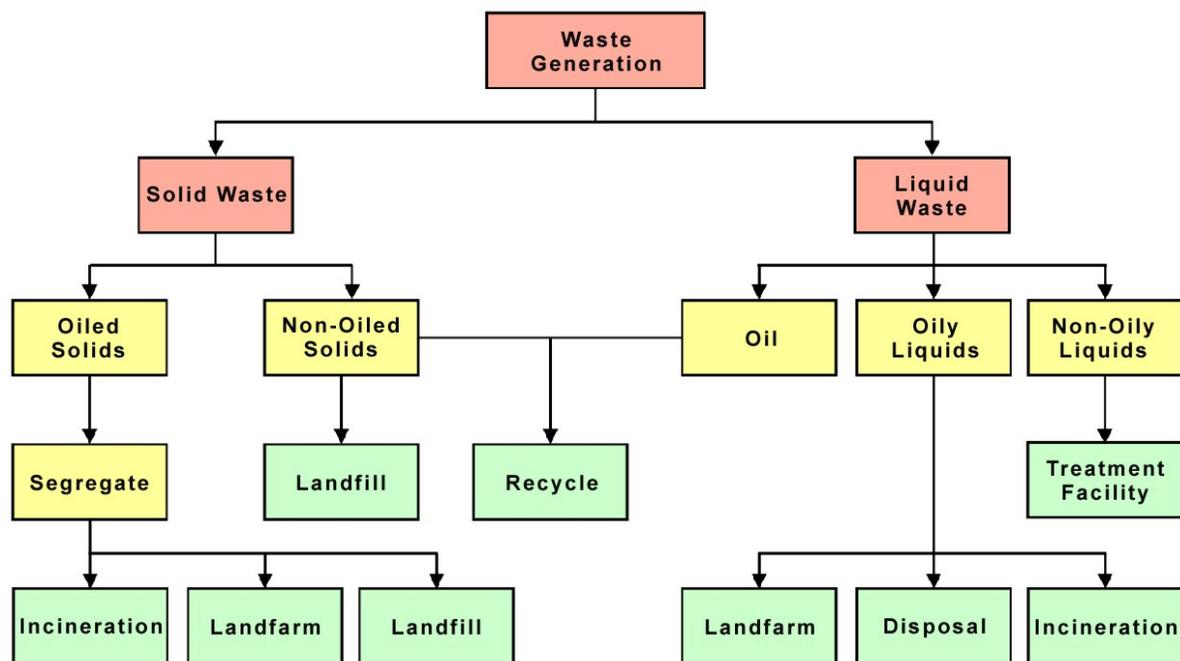


FIGURE 7.4-2 - GENERAL WASTE CONTAINMENT AND DISPOSAL CHECKLIST

CONSIDERATION	YES/NO/NA
Is the material being recovered a waste or reusable product?	
Has all recovered waste been containerized and secured so there is no potential for further leakage while the material is being stored?	
Has each of the discrete waste streams been identified?	
Has a representative sample of each waste stream been collected?	
Has the sample been sent to an approved laboratory for the appropriate analysis, (i.e. hazardous waste determination)?	
Has the appropriate waste classification and waste code number(s) for the individual waste streams been received?	
Has a temporary EPA identification number and generator number(s) been received, if they are not already registered with EPA?	
Have the services of a registered hazardous waste transporter been contracted, if waste is hazardous?	
If the waste is nonhazardous, is the transporter registered?	
Is the waste being taken to an approved disposal site?	
Is the waste hazardous or Class I nonhazardous?	
If the waste is hazardous or Class I nonhazardous, is a manifest being used?	
Is the manifest properly completed?	
Are all federal, state, and local laws/regulations being followed?	

Are all necessary permits being obtained?	
Has a Disposal Plan been submitted for approval/review?	
Has PPE and waste-handling procedures been included in the Site Safety and Health Plan to protect the health and safety of waste handling personnel?	

#### 7.4.1 Waste Storage

During an oil spill, the volume of oil that can be recovered depends on the storage capacity available. Typical short-term (temporary) storage methods are provided in [FIGURE 7.4-3](#). If storage containers such as bags or drums are used, the container should be clearly marked and/or color-coded to indicate the type of material or waste contained and/or the ultimate disposal option.

Use of any site for storage is dependent on the approval of local authorities. The following elements affect the choice of a potential storage site:

- Geology
- Soil
- Surface water
- Covered materials
- Climatic factor
- Toxic air emissions
- Access
- Ground water
- Flooding
- Slope
- Capacity
- Land use
- Security
- Public contact

**FIGURE 7.4-3 - TEMPORARY STORAGE METHODS**

CONTAINMENT	PRODUCT						CAPACITY
	OIL	OIL/WATER	OIL/SOIL	OIL/DEBRIS (Small)	OIL/DEBRIS (Medium)	OIL/DEBRIS (Large)	
Drums	X	X	X				0.2-0.5 yd <sup>3</sup>
Bags		X	X	X			1.0-2.0 yd <sup>3</sup>
Boxes		X	X	X			1-5 yd <sup>3</sup>
Open top rolloff	X	X	X	X	X	X	8-40 yd <sup>3</sup>
Roll top rolloff	X	X	X	X	X	X	15-25 yd <sup>3</sup>
Vacuum box	X	X					15-25 yd <sup>3</sup>
Frac tank	X	X					500-20,000 gal
							200-4,000

Poly tank	X	X					gal
Vacuum truck	X	X	X				2,000-5,000 gal
Tank trailer	X	X					2,000-4,000 gal
Barge	X	X					3,000+gal
Berm, 4 ft		X	X	X	X	X	1 yd <sup>3</sup>
Bladders	X	X					25 gal-1,500 gal

### 7.4.2 Waste Transfer

In most oil spill response operations, it would be necessary to transfer recovered oil and oil debris from one point to another several times before the oil and oily debris are ultimately disposed of at a state approved disposal site. Depending on the location of response operations, any or all of the following transfer operations may occur:

- Directly into the storage tank of a vacuum device.
- Directly in to impermeable bags that, in turn, are placed in impermeable containers.
- From a vacuum device storage tank to a truck.
- From containers to trucks.
- From trucks to lined pits.
- From lined pits to incinerators and/or landfills.
- From a tank truck to a processing system (i.e., oil/water separator).
- From a processing system to a recovery system and or incinerator.
- From a skimming vessel or flexible bladder to a barge.
- From a barge to a tank truck.
- Directly into the storage tank on a dredge.
- From portable or vessel mounted skimmers into flexible bladder tanks, the storage tanks of the skimming vessel itself, or a barge.

There are four general classes of transfer systems that could be employed to effect oily waste transfer operations. The following is a brief description of the four transfer systems:

#### Pumps

Rotary pumps, such as centrifugal pumps, may be used when transferring large volumes of oil, but they may not be appropriate for pumping mixtures of oil and water. The extreme shearing action of centrifugal pumps tends to emulsify oil and water, thereby increasing the viscosity of

the mixture and causing low, inefficient transfer rates.

The resultant emulsion would also be more difficult to separate into oil and water fractions. Lobe or "positive displacement" pumps work well on heavy, viscous oils, and do not emulsify the oil/water mixture. Double-acting piston and double acting diaphragm pumps are reciprocating pumps that may also be used to pump oily wastes.

### **Vacuum Systems**

Vacuum systems, such as air conveyors, vacuum trucks and portable vacuum units, may be used to transfer viscous oils and debris but they usually pick up a very high water/oil ratio.

### **Belt / Screw Conveyors**

Conveyor may be used to transfer oily wastes containing a large amount of debris. These systems can transfer weathered debris laden oil either horizontally or vertically for short distances but are bulky and difficult to operate.

### **Wheeled Vehicles**

Wheeled vehicles may be used to transfer liquid waste of oily debris to storage or disposal sites. These vehicles are readily available but have a limited rate (i.e., 100 bbls) and require good site access.

## **7.4.3 Waste Disposal**

In order to obtain the best overall Incident Disposal Plan, a combination of methods should be used. There is no template or combination of methods that can be used in every spill situation. Each incident should be reviewed carefully to ensure an appropriate combination of disposal techniques are employed.

The following is a brief description of some disposal techniques available for recovered oil and oily debris.

### **Recycling**

Recycling involves processing discarded materials for another use.

### **Incineration**

This technique entails the destruction of the recovered oil by high temperature thermal oxidation reactions. There are licensed incineration facilities as well as portable incinerators that may be brought to a spill site. Incineration may require the approval of the local Air Pollution Control Authority.

### **In Situ Burning / Open Burning**

Burning techniques entail igniting oil or oiled debris allowing it to burn under ambient conditions. These disposal techniques are subject to restrictions and permit requirements established by federal, state, and local laws. Permission for in situ burning may be difficult to obtain when the burn takes place near populated areas.

As a general rule, in situ burning would be appropriate only when atmospheric conditions will allow the smoke to rise several hundred feet and rapidly dissipate. Smoke from burning oil will normally rise until its temperature drops to equal the ambient temperature. Afterwards, it will travel in a horizontal direction under the influence of prevailing winds.

### **Landfill Disposal**

This technique entails burying the recovered oil in an approved landfill in accordance with regulatory procedures. Landfill disposal of free liquids is prohibited by federal law in the United States.

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**FIGURE 7.4-4 - FACILITY SPECIFIC DISPOSAL LOCATIONS**

MATERIAL	DISPOSAL FACILITY	LOCATION
Recovered Product	Pro Earth Recycling	3209 North Mill Rd. Vineland, NJ 08360 (856) 696-4401
	Lorco Petro. Services	450 South Front St. Elizabeth, NJ 07202 (908) 820-8800
	IPC	505 South Market St. Wilmington, DE 19801 (302) 421-9306
	Cycle Chem	217 South First St. Elizabeth, NJ 07206 (908) 354-0210
	Clean Earth of North Jersey	105 Jacobus Ave. South Kearney, NJ 07032 (973) 344-4004
Contaminated Soil	Same as above	
Contaminated Equipment	Same as above	
Personnel Protective Equipment	Same as above	
Decontamination Solutions	Same as above	
Adsorbents and Spent Chemicals	Same as above	

## SECTION 8

Last revised: May 1, 2006

## DEMOBILIZATION / POST-INCIDENT REVIEW

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8.1 Terminating the Response8.2 DemobilizationFigure 8.2-1 - Demobilization Checklist8.3 Post-Incident ReviewFigure 8.3-1 - Standard Incident Debriefing Form8.3.1 Final Spill Cleanup Report

## 8.1 TERMINATING THE RESPONSE

- A team of federal, state, and company personnel must certify that each area is clean before halting cleanup operations
- Demobilize equipment and personnel at the first opportunity in order to reduce cost
- Consider which resources should be demobilized first; for example, berthing expenses can be saved by demobilizing out-of-area contractors before local ones
- Equipment may need both maintenance and decontamination before being demobilized
- All facilities (staging area, Command Post, etc.) should be returned to their pre-spill condition before terminating operations
- Determine what documentation should be maintained, where, and for how long
- Contract personnel may be more susceptible to "suffering" injuries as they approach termination
- Some activities will continue after the cleanup ends; examples include incident debriefing, bioremediation, NRDA studies, claims, and legal actions
- Consider expressing gratitude to the community, police department, fire department, and emergency crews for their work during the response

## 8.2 DEMOBILIZATION

The Company can reduce costs considerably by developing a Demobilization Plan (**SECTION 5.8**). Therefore, emphasis must be placed on establishing efficient demobilization procedures. A Demobilization Checklist is provided in **FIGURE 8.2-1**.

FIGURE 8.2-1 - DEMOBILIZATION CHECKLIST

DEMOBILIZATION CHECKLIST	INITIALS	DATE/TIME STARTED	DATE/TIME COMPLETED
Assign personnel to identify surplus resources and probable release times.			
Establish demobilization priorities.			
Develop decontamination procedures.			
Initiate equipment repair and maintenance.			
Develop a Disposal Plan.			
Identify shipping needs.			
Identify personnel travel needs.			
Develop impact assessment and statements.			
Obtain concurrence of Planning and			

Operations Group Leaders before release of personnel or equipment.			
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**Linden****Page 8 - 4****8.3 POST-INCIDENT REVIEW**

All facility personnel involved in the incident shall be debriefed (by the Company) within two weeks after termination of operations. A Standard Incident Debriefing Form is provided in **FIGURE 8.3-1**. The primary purpose of the post-incident review is to identify actual or potential deficiencies in the Plan and determine the changes required to correct the deficiencies. The post-incident review is also intended to identify which response procedures, equipment, and techniques were effective and which were not and the reason(s) why. This type of information is very helpful in the development of a functional Plan by eliminating or modifying those response procedures that are less effective and emphasizing those that are highly effective. This process should also be used for evaluating training drills or exercises. Key agency personnel that were involved in the response will be invited to attend the post-incident review.

**Linden****Page 8 - 5****FIGURE 8.3-1 - STANDARD INCIDENT DEBRIEFING FORM**

Name of incident:
Date:
<b>PERSONNEL DEBRIEFED</b>
Name:
Normal duty:
Summary of duties performed during incident (list date, time, and location):
Positive aspects of the response:

Aspects of the response which could be improved:
Name:
Title:
Signature:

### 8.3.1 Final Spill Cleanup Report

A final, comprehensive report shall be prepared by the Incident Commander or his designee after completion of spill cleanup activities for internal use. It should be written in the narrative form and include the information listed below (as appropriate):

- Time, location, and date of discharge
- Type of material discharged
- Quantity discharged (indicate volume, color, length and width of slick, and rate of release if continuous)
- Source of spill (tank, flowline, etc.) in which the oil was originally contained, path of discharge, and impact area
- Detailed description of what actually caused the discharge and actions taken to control or stop the discharge
- Description of damage to the environment
- Steps taken to clean up the spilled oil along with dates and times steps were taken
- The equipment used to remove the spilled oil, dates, and number of hours equipment was used
- The number of persons employed in the removal of oil from each location, including their identity, employer, and the number of hours worked at that location

- Actions by the Company or contractors to mitigate damage to the environment
- Measures taken by the Company or contractors to prevent future spills
- The federal and state agencies to which the Company or contractors reported the discharge; show the agency, its location, the date and time of notification, and the official contacted
- Description of the effectiveness of equipment and cleanup techniques and recommendations for improvement
- The names, addresses, and titles of people who played a major role in responding to the event
- A section identifying problems and deficiencies noted during the response event; a follow-up section should include recommended procedure modifications to make a future response more effective and efficient
- All other relative information
- A final signature as follows:

The above information is true to the best of my knowledge and belief:

Name:
Title:
Signature:
Date:

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**A. TRAINING / EXERCISES****B. CONTRACTOR RESPONSE EQUIPMENT****C. TANK TABLES, COMPANY FORMS, AND PLOT PLANS****D. HAZARD EVALUATION AND RISK ANALYSIS****E. CROSS-REFERENCES****F. ACRONYMS AND DEFINITIONS****G. ADDITIONAL INFORMATION****H. DOCUMENTATION****APPENDICES**

**APPENDIX A**  
**TRAINING / EXERCISES**

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A.1 Exercise Requirements and Schedules

Figure A.1-1 - PREP Response Plan Core Components

Figure A.1-2 - Exercise Requirements

Figure A.1-3 - Spill / Exercise Documentation Form

Figure A.1-4 - EPA Required Response Equipment Testing  
and Deployment Drill Log

Figure A.1-5 - Qualified Individual Notification Drill Log

Figure A.1-6 - Emergency Management Team Tabletop  
Exercise Log

A.2 Training Program

**Figure A.2-1 - Training Requirements**

Figure A.2-2 - PREP Training Program Matrix

Figure A.2-3 - Personnel Response Training Log

## A.1 EXERCISE REQUIREMENTS AND SCHEDULES

- The Company participates in the National Preparedness for Response Exercise Program (PREP)
- During each triennial cycle, all components of the Plan (**FIGURE A.1-1**) must be exercised at least once
- The District Manager is responsible for the following aspects:
  - Scheduling
  - Maintaining records
  - Implementing
  - Evaluation of the Company's training and exercise program
  - Post-drill evaluation improvements
- **FIGURE A.1-2** provides descriptions of exercise requirements, **FIGURE A.1-3** provides a Spill/Exercise Documentation form or corresponding Company form may be used, and **FIGURE A.1-4** provides a log for response equipment testing and deployment drill

FIGURE A.1-1 - PREP RESPONSE PLAN CORE COMPONENTS

CORE COMPONENTS	DESCRIPTION
1. Notifications	Test the notifications procedures identified in the Area Contingency Plan (ACP) and the Spill Response Plan.
2. Staff mobilization	Demonstrate the ability to assemble the spill response organization identified in the ACP and the Spill Response Plan.
3. Ability to operate within the response management system described in the Plan: <ul style="list-style-type: none"> <li>• Unified Command</li> <li>• Response management system</li> </ul>	<p>Demonstrate the ability of the spill response organization to work within a unified command.</p> <p>Demonstrate the ability of the response organization to operate within the framework of the response management system identified in their respective plans.</p>
4. Discharge control	Demonstrate the ability of the spill response organization to control and stop the discharge at the source.
5. Assessment	Demonstrate the ability of the spill response organization to provide initial assessment of the discharge and provide continuing assessments of the effectiveness of the tactical

	operations.
6. Containment	Demonstrate the ability of the spill response organization to contain the discharge at the source or in various locations for recovery operations.
7. Recovery	Demonstrate the ability of the spill response organization to recover the discharged product.
8. Protection	Demonstrate the ability of the spill response organization to protect the environmentally and economically sensitive areas identified in the ACP and the respective industry response plan.
9. Disposal	Demonstrate the ability of the spill response organization to dispose of the recovered material and contaminated debris.
10. Communications	Demonstrate the ability to establish an effective communications system for the spill response organization.
11. Transportation	Demonstrate the ability to establish multi-mode transportation both for execution of the discharge and support functions.
12. Personnel support	Demonstrate the ability to provide the necessary support of all personnel associated with response.
13. Equipment maintenance and support	Demonstrate the ability to maintain and support all equipment associated with the response.
14. Procurement	Demonstrate the ability to establish and effective procurement system.
15. Documentation	Demonstrate the ability of the spill response organization to document all operational and support aspects of the response and provide detailed records of decisions and actions taken.

FIGURE A.1-2 - EXERCISE REQUIREMENTS

EXERCISE TYPE	EXERCISE CHARACTERISTICS
Facility/QI notification	<ul style="list-style-type: none"> <li>• Conducted quarterly</li> <li>• The facility initiates mock spill notification to QI</li> <li>• The Qualified Individual documents time/date of notification, name, and phone number of individual contacted</li> <li>• Document in accordance with form in <b>FIGURE A.1-3</b></li> </ul>
Equipment deployment	<ul style="list-style-type: none"> <li>• EPA Conducted semiannually / PHMSA Conducted annually</li> <li>• Response contractors listed in the plan must participate in annual deployment exercise</li> <li>• An exercise where response equipment is deployed to a specific site and operated in its normal operating medium.</li> <li>• Document in accordance with form in <b>FIGURE A.1-3</b></li> </ul>

EMT tabletop	<p>Conducted annually</p> <ul style="list-style-type: none"> <li>• Tests EMT's response activities/responsibilities</li> <li>• Documents Plan's effectiveness</li> <li>• Must exercise worst case discharge scenario once every three years</li> <li>• Must test all Plan components at least once every three years</li> <li>• Document in accordance with form in <b>FIGURE A.1-3</b></li> </ul>
Unannounced	<ul style="list-style-type: none"> <li>• Company will either participate in unannounced tabletop exercise or equipment deployment exercise on an annual basis</li> <li>• Company may take credit for participation in government initiated unannounced drill in lieu of drill required by PREP guidelines</li> <li>• Plan holders who have participated in a PREP government-initiated unannounced exercise will not be required to participate in another one for at least 36 months from the date of the exercise</li> </ul>
Area	<ul style="list-style-type: none"> <li>• An industry plan holder that participates in an Area Exercise would not be required to participate in another Area Exercise for a minimum of six years</li> </ul>
<b>OTHER EXERCISE CONSIDERATIONS</b>	
Drill program evaluation procedures	<ul style="list-style-type: none"> <li>• Company conducts post-exercise meetings to discuss positive items, areas for improvement, and to develop action item checklist to be implemented later</li> </ul>
Records of drills	<ul style="list-style-type: none"> <li>• Company will maintain exercise records for five years following completion of each exercise</li> <li>• Records will be maintained in the Training/Exercise tool in the electronic interface</li> <li>• Company will verify appropriate records are kept for each spill response contractor listed in Plan as required by PREP guidelines (annual equipment deployment drill, triennial unannounced drill, etc.)</li> </ul>

**FIGURE A.1-3 - SPILL / EXERCISE DOCUMENTATION FORM**

Other versions of this form may be used. Retain this form for a minimum of five years.

1. Date(s) performed:
2. <input type="checkbox"/> Exercise <input type="checkbox"/> Actual spill
If exercise:

Announced     
  Unannounced     
  Deployment     
  Notification     
  Tabletop

If exercise, frequency:

Quarter     
  1st     
  2nd     
  3rd     
  4th     
  Annual

3. Location of exercise/spill:

4. Time started:

5. Description of scenario or spill including volume and content (crude oil, condensate, etc.)

6. Describe how the following objectives were exercised:

**Team's knowledge of the Oil Spill Response Plan:**

	Yes	No
Was briefing meeting conducted	<input type="checkbox"/>	<input type="checkbox"/>
Established field Command Post	<input type="checkbox"/>	<input type="checkbox"/>
Confirmed source was stopped	<input type="checkbox"/>	<input type="checkbox"/>
Developed Site Safety and Health Plan	<input type="checkbox"/>	<input type="checkbox"/>
Prepared ICS 201	<input type="checkbox"/>	<input type="checkbox"/>
Established work zones and perimeter security	<input type="checkbox"/>	<input type="checkbox"/>
Developed short range tactical plan	<input type="checkbox"/>	<input type="checkbox"/>
Developed long range tactical plan	<input type="checkbox"/>	<input type="checkbox"/>

**Proper Notifications:**

Qualified Individual (or designee)	<input type="checkbox"/>	<input type="checkbox"/>
EHS&T Department	<input type="checkbox"/>	<input type="checkbox"/>
Release/Spill Report Form completed	<input type="checkbox"/>	<input type="checkbox"/>
Notification to agencies completed (attach log)	<input type="checkbox"/>	<input type="checkbox"/>

**Transportation/Communication System:**

Established primary/secondary communication system	<input type="checkbox"/>	<input type="checkbox"/>
--	--------------------------	--------------------------

Primary: cellular phone <input type="checkbox"/> two way radio <input type="checkbox"/> land telephone line <input type="checkbox"/>
Secondary: cellular phone <input type="checkbox"/> two way radio <input type="checkbox"/> land telephone line <input type="checkbox"/>
<input type="checkbox"/> Other

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**FIGURE A.1-3 - SPILL / EXERCISE DOCUMENTATION FORM, CONTINUED**

<b>Transportation/Communication System, Continued:</b>		
	<b>Yes</b>	<b>No</b>
Motor vessel deployed	<input type="checkbox"/>	<input type="checkbox"/>
Provider name:		
Helicopter/Sea plane deployed	<input type="checkbox"/>	<input type="checkbox"/>
Call sign:		
Describe function (i.e., transportation, surveillance, dispersant application):		
<b>Ability to access contracted Oil Spill Removal Organizations (OSROs):</b>		
Who contacted - (name of individual and OSRO):		
When contacted:		
Response time projection for deployment:		
Type and amount of containment used:		
Spill material recovered	<input type="checkbox"/>	<input type="checkbox"/>
Spilled material disposed	<input type="checkbox"/>	<input type="checkbox"/>
Where?		
<b>Ability to coordinate spill response with on-scene coordinator, state, and applicable agencies:</b>		
Was regulatory on-scene coordinator(s) contacted	<input type="checkbox"/>	<input type="checkbox"/>
List person and agency represented:		

<b>Ability to access sensitive site and resource information in the Area Contingency Plan (ACP):</b>		
Was pre-impact assessment conducted?	<input type="checkbox"/>	<input type="checkbox"/>
Were pre-impact samples taken?	<input type="checkbox"/>	<input type="checkbox"/>
Were pre-impact photographs taken?	<input type="checkbox"/>	<input type="checkbox"/>
Were NRDA specialists mobilized?	<input type="checkbox"/>	<input type="checkbox"/>
Were deficiencies identified?	<input type="checkbox"/>	<input type="checkbox"/>
If yes, changes implemented?	<input type="checkbox"/>	<input type="checkbox"/>
If no, why were changes not implemented?		
<b>LESSONS LEARNED</b>	<b>PERSON RESPONSIBLE FOR FOLLOW-UP OF CORRECTIVE MEASURES</b>	
	Name:	
	Position:	
	Certifying Signature:	

**FIGURE A.1-4 - EPA REQUIRED RESPONSE EQUIPMENT TESTING AND DEPLOYMENT DRILL LOG**

Other versions of this form may be used. Refer to **APPENDIX H** for samples of completed forms.

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

**Note:** Refer to **APPENDIX H** - Documentation for Completed Forms.

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### FIGURE A.1-5 - QUALIFIED INDIVIDUAL NOTIFICATION DRILL LOG

Other versions of this form may be used. Refer to **APPENDIX H** for samples of completed forms.

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	

Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual(s) Contacted	
Others Contacted	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

FIGURE A.1-6 - EMERGENCY MANAGEMENT TEAM TABLETOP EXERCISE LOG

Other versions of this form may be used. Refer to **APPENDIX H** for samples of completed forms.

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual	

Participants	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual	
Participants	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual	
Participants	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

Company:	Date:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Qualified Individual	
Participants	
Emergency Scenario	
Evaluation	
Changes to be Implemented	
Time Table for Implementation	

A.2 TRAINING PROGRAM

**FIGURE A.2-1** provides training requirements for spill responders. **FIGURE A.2-2** provides the program matrix. **FIGURE A.2-3** provides a personnel response training log.

**FIGURE A.2-1 - TRAINING REQUIREMENTS**

<b>TRAINING TYPE</b>	<b>TRAINING CHARACTERISTICS</b>
Training in use of spill response plan	<ul style="list-style-type: none"> <li>All field personnel will be trained to properly report/monitor spills</li> <li>Plan will be reviewed annually with all employees and contract personnel</li> <li>The Personnel Response Training Log is located in <b><u>FIGURE A.2-3</u></b></li> </ul>
OSHA training requirements	<ul style="list-style-type: none"> <li>All Company responders designated in Plan must have 24-hours of initial spill response training</li> <li>Laborers having potential for minimal exposure must have 24 hours of initial oil spill response instruction and eight hours of actual field experience</li> <li>Spill responders having potential exposure to hazardous substances at levels exceeding permissible exposure limits must have 40 hours of initial training offsite and 24-hours of actual field experience</li> <li>On-site management/supervisors required to receive same training as equipment operators/general laborers plus eight hours of specialized hazardous waste management training</li> <li>Managers/employees require eight hours of annual refresher training</li> </ul>
Spill management team personnel training	<ul style="list-style-type: none"> <li>See recommended PREP Training Matrix (<b><u>FIGURE A.2-2</u></b>)</li> </ul>
Training for casual laborers or volunteers	<ul style="list-style-type: none"> <li>Company will not use casual laborers/volunteers for operations requiring HAZWOPER training</li> </ul>
Wildlife	<ul style="list-style-type: none"> <li>Only trained personnel approved by USFWS and appropriate state agency will be used to treat oiled wildlife</li> </ul>
Training documentation and record maintenance	<ul style="list-style-type: none"> <li>Training activity records will be retained according to current retention procedures.</li> </ul>

**FIGURE A.2-2 - PREP TRAINING PROGRAM MATRIX**

<b>TRAINING ELEMENT</b>	<b>QUALIFIED INDIVIDUAL (QI)</b>	<b>EMERGENCY MANAGEMENT TEAM (EMT)</b>	<b>FACILITY PERSONNEL</b>
Captain of the Port (COTP) Zones or Environmental Protection Agency (EPA)	x	x	x

Regions in which the facility is located			
Notification procedures and requirements for facility owners or operators; internal response organizations; federal and state agencies; and contracted oil spill removal organizations (OSROs) and the information required for those organizations	X	X	X
Communication system used for the notifications	X	X	X
Information on the products stored, used, or transferred by the facility, including familiarity with the material safety data sheets (MSDS), special handling procedures, health and safety hazards, spill and fire fighting procedures	X	X	X
Procedures the facility personnel may use to mitigate or prevent any discharge or a substantial threat of a discharge of oil resulting from facility operational activities associated with internal or external cargo transfers, storage, or use	X		
Facility personnel responsibilities and procedures for use of facility equipment which may be available to mitigate or prevent an oil discharge	X	X	X
Operational capabilities of the contracted OSRO's to respond small, medium, and large discharges	X	X	X
Responsibilities and authority of the Qualified Individual (QI) as described in the Spill Response Plan and Company response organization	X	X	X
The organization structure that will be used to manage the response actions including: <ul style="list-style-type: none"> <li>• Command and control</li> <li>• Public information</li> <li>• Safety</li> <li>• Liaison with government agencies</li> <li>• Spill response operations</li> <li>• Planning</li> <li>• Logistics support</li> <li>• Finance</li> </ul>	X	X	X
The responsibilities and duties of each spill management team (EMT) within the organization structure	X	X	
The drill and exercise program to meet federal and state regulations as required	X	X	X

under Oil Pollution Act of 1990 (OPA 90)			
The role of the QI in the post discharge review of the Plan to evaluate and validate its effectiveness	x		
The Area Contingency Plan (ACP) for the area in which the facility is located	x	x	x
The National Contingency Plan (NCP)	x	x	x
Roles and responsibilities of federal and state agencies in pollution response	x	x	x

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**FIGURE A.2-2 - PREP TRAINING PROGRAM MATRIX, CONTINUED**

<b>TRAINING ELEMENT</b>	<b>QUALIFIED INDIVIDUAL (QI)</b>	<b>EMERGENCY MANAGEMENT TEAM (EMT)</b>	<b>FACILITY PERSONNEL</b>
Available response resources identified in the Plan	x	x	
Contracting and ordering procedures to acquire OSRO resources identified in the Plan	x	x	
OSHA requirements for worker health and safety (29 CFR 1910.120)	x	x	x
Incident Command System/Unified Command System	x	x	
Public affairs	x	x	
Crisis management	x	x	
Procedures for obtaining approval for dispersant use or in-situ burning of the spill	x		
Oil spill trajectory analyses	x		
Sensitive biological areas	x	x	
This training procedure as described in the Plan for members of the EMT		x	
Procedures for the post discharge review of the plan to evaluate and validate its effectiveness		x	
Basic information on spill operations and oil spill cleanup technology including: <ul style="list-style-type: none"> <li>• Oil containment</li> <li>• Oil recovery methods and devices</li> <li>• Equipment limitations and uses</li> <li>• Shoreline cleanup and protection</li> <li>• Spill trajectory analysis</li> </ul>		x	

<ul style="list-style-type: none"> <li>• Use of dispersants, in-situ burning, bioremediation</li> <li>• Waste storage and disposal considerations</li> </ul>			
Hazard recognition and evaluation		X	
Site safety and security procedures		X	
Personnel management, as applicable to designated job responsibilities		X	
Procedures for directing the deployment and use of spill response equipment, as applicable to designated job responsibilities		X	X
Specific procedures to shut down effected operations			X
Procedures to follow in the event of discharge, potential discharge, or emergency involving the following equipment or scenarios: <ul style="list-style-type: none"> <li>• Tank overflow</li> <li>• Tank rupture</li> <li>• Piping or pipeline rupture</li> <li>• Piping or pipeline leak, both under pressure or not under pressure, if applicable</li> <li>• Explosion or fire</li> <li>• Equipment failure</li> <li>• Failure of secondary containment system</li> </ul>			X
QI's name and how to contact him or her			X

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FIGURE A.2-3 - PERSONNEL RESPONSE TRAINING LOG

(Other versions of this form may be used)

NAME	RESPONSE TRAINING/DATE AND NUMBER OF HOURS	PREVENTION TRAINING/DATE AND NUMBER OF HOURS
Robert Keiser Terminal Manager Linden, NJ Terminal 3466 <b>Qualified Individual</b>	01-16-2009 / 2.5h	01-16-2009 / 2.5h

**Note:** Refer to **APPENDIX H** - Documentation for Completed Forms.

\*Qualified Individual

APPENDIX B

Last revised: December 18, 2013

CONTRACTOR RESPONSE EQUIPMENT

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B.1 Cooperatives and Contractors

B.1.1 OSRO Classification

Figure B.1-1 - Evidence of Contracts and Equipment Lists

## B.1 COOPERATIVES AND CONTRACTORS

The Company has contracted with additional Oil Spill Removal Organizations (OSROs) to provide personnel and equipment in the event of a spill. The classification, response capabilities, and equipment are described below.

## B.1.1 OSRO Classification

The OSRO classification process was developed by the U.S. Coast Guard (USCG) to provide guidelines to enable USCG and plan preparers to evaluate an OSROs potential to respond to oil spills. Plan holders that utilize USCG classified OSRO services are not required to list response resources in their plans.

The following is a listing of the USCG classified OSROs that may respond to incidents for areas listed in this Plan. For a detailed listing of USCG classified OSROs and other contractors by terminal, refer to **FIGURE 3.1-4** and **FIGURE 7.1-1**.

COMPANY / CONTRACTOR / TERM	APPLICABLE COTP ZONE (S)	USCG CLASSIFICATIONS								RESPONSE TIME		
		Facilities				Vessels						
			MM	W1	W2	W3	MM	W1	W2	W3		
MSRC OSRO Star Partners Equipment Lists For Spill Response 220 Spring Street, Suite 500 Herndon VA 20170 Term of contract: 6/1/2006 To 6/1/2099	All	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	1 hours	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓		
		Open Ocean			✓	✓	✓	✓	✓	✓		
		Offshore			✓	✓	✓	✓	✓	✓		
		Nearshore			✓	✓	✓	✓	✓	✓		
		Great Lakes										
Clean Harbors Cooperative L.L.C. 4601 Tremley Point Road Linden New Jersey 07036 Term of contract: 1/1/1900 To 1/1/1900	New York	River/Canal	✓	✓	✓	✓	✓	✓	✓		1 hours	
		Inland					✓					
		Open Ocean										
		Offshore										
		Nearshore										
		Great Lakes										
Clean Harbors Environmental 3 Sutton Place Edison NJ 08817 Term of contract:	New York	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	1 hours	
		Inland	✓	✓	✓	✓	✓	✓	✓	✓		
		Open Ocean										
		Offshore										

4/15/2006 To 4/30/2011	Nearshore								
	Great Lakes								

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## B.1 COOPERATIVES AND CONTRACTORS, CONTINUED

COMPANY / CONTRACTOR / TERM	APPLICABLE COTP ZONE (S)	USCG CLASSIFICATIONS								RESPONSE TIME	
			Facilities			Vessels					
			MM	W1	W2	W3	MM	W1	W2	W3	
MSRC - Marine Spill Response Corporation 220 Spring Street, Suite 500 Herndon VA 20170 Term of contract: 6/1/2006 To 6/1/2099	All	River/Canal	✓	✓	✓	✓	✓	✓	✓	✓	2 hours
		Inland	✓	✓	✓	✓	✓	✓	✓	✓	
		Open Ocean			✓	✓	✓	✓	✓	✓	
		Offshore			✓	✓	✓	✓	✓	✓	
		Nearshore			✓	✓	✓	✓	✓	✓	
		Great Lakes									

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The following contractors are retained by the Company, but are not USCG classified OSROs within this Area:

- Auchter Industrial Vac Service, Inc.  
4801 South Wood Avenue  
Linden,NJ  
07036  
Response Time:1 hours  
Term of contract:  
To
- Miller Marine  
Foot of South Wood Avenue  
Linden,NJ  
07036  
Response Time:1 hours  
Term of contract:  
To

**FIGURE 7.1-1** provides both OSRO and non-OSRO summarized equipment lists and response times.

**FIGURE B.1-1** provides evidence of contracts with OSROs and equipment lists for contractors without USCG classification.

## FIGURE B.1-1 - EVIDENCE OF CONTRACTS AND EQUIPMENT LISTS

- **Auchter Industrial Vac Service, Inc., Linden,NJ**
- **Auchter Industrial Vac Service, Inc. - Cascade Equipment List**
- Clean Harbors Cooperative L.L.C., Linden,New Jersey
- **Clean Harbors Environmental, Edison,NJ**
- **Clean Harbors Environmental - Cascade Equipment List**
- **Miller Marine, Linden,NJ**
- **Miller Marine - Cascade Equipment List**
- **MSRC - Marine Spill Response Corporation, Herndon,VA**
- **MSRC - Marine Spill Response Corporation - Cascade Equipment List**
- **MSRC OSRO Star Partners Equipment Lists For Spill Response , Herndon,VA**

APPENDIX C Last revised: December 18, 2013  
TANK TABLES, COMPANY FORMS, AND PLOT PLANS

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Figure C-1 - Tank Tables

Figure C-2 - Drainage Diagram

Figure C-3 - Evacuation Diagram

**Figure C-4 - Discharge Prevention Meeting Log**

**Figure C-5 - Inspection Procedures**

**Figure C-6 - Facility Monthly Inspection Record**

**Figure C-7 - Secondary Containment Drainage Log**

**Figure C-8 - Reportable Spill History**

**Figure C-9 - Containment and Drainage Planning**

FIGURE C-1 - TANK TABLE

Container/ Source	Major Type of Failure	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/ Installed	(b) (7)(F), (b) (3)	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>				(b) (7)(F), (b) (3)				
40	-			CRIFRW	1954		East / Instantaneous	Ethanol
41	-			CRIFRW	1954		East / Instantaneous	Ethanol
44	-			CRIFRW	1959		East / Instantaneous	Gasoline/ Distillates
46	-			CRRIFR	1928		East / Instantaneous	Ethanol
49	-			CRIFRW	1956		East / Instantaneous	Gasoline/ Distillates
50	Leak/ Rupture			CRIFRW	1954		East / Instantaneous	Gasoline
51	-			CRIFRW	1954		East / Instantaneous	Ethanol
52	-			CRIFRW	1957		East / Instantaneous	Ultra Low Sulfur Diesel
53	Leak/ Rupture			CRIFRW	1994		East / Instantaneous	Gasoline/ Distillates
55	Leak/ Rupture			CRRIFR	1928		East / Instantaneous	Gasoline/ Distillates
56	Leak/ Rupture			CRRIFR	1927		East / Instantaneous	Gasoline/ Distillates
57	-			CRIFRW	1954		East / Instantaneous	Ethanol
58	Leak/ Rupture			CRIFRW	1958		East / Instantaneous	Gasoline/ Distillates
59	Leak/ Rupture			CRIFRW	1955		East / Instantaneous	Gasoline/ Distillates
60	Leak/ Rupture			CRIFRW	1958		East / Instantaneous	Gasoline/ Distillates
62	Leak/ Rupture			CRIFRW	1955		East / Instantaneous	Gasoline/ Distillates

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, EFR=External Floating Roof, FG=Fiberglass, GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of

Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

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FIGURE C-1 - TANK TABLE , CONT

Container/ Source	Major Type of Failure	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/ Installed	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>		<b>ERS - Total:</b>		(b) (7)(F), (b) (3)			
63	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1955	East / Instantaneous	Distillate
500	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1995	East / Instantaneous	Gasoline/ Distillates
501	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1996	East / Instantaneous	Gasoline/ Distillates
502	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1996	East / Instantaneous	Gasoline/ Distillates
504	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1994	East / Instantaneous	Gasoline/ Distillates
505	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1995	East / Instantaneous	Gasoline/ Distillates
506	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	RC	1928	East / Instantaneous	Turbine
507	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRRIF	1928	East / Instantaneous	Gasoline/ MTBE
508	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	RC	1928	East / Instantaneous	Turbine
509	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1949	East / Instantaneous	Gasoline/ Distillates
521	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1949	East / Instantaneous	Turbine
522	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1949	East / Instantaneous	Gasoline
523	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1949	East / Instantaneous	Gasoline/ Distillates
524	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1949	East / Instantaneous	Distillate
525	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1950	East / Instantaneous	Distillate
526	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1950	East / Instantaneous	Distillate

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, EFR=External Floating Roof, FG=Fiberglass,

GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

FIGURE C-1 - TANK TABLE , CONTINUED

Container/Source	Major Type of Failure	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/Installed	(b) (7)(F), (b) (3)	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>		<b>ERS - Total:</b>		(b) (7)(F), (b) (3)				
527	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRIFW	1950	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
528	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1954	(b) (3), (b) (7)(F)	East / Instantaneous	Distillate
529	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Distillate
530	-	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
531	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline
532	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1974	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline
533	Leak/ Rupture	(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)	CRW	1974	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline
<b>Facility Total:</b>		(b) (7)(F), (b) (3)	(b) (7)(F), (b) (3)					

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, EFR=External Floating Roof, FG=Fiberglass, GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

FIGURE C-2 - DRAINAGE DIAGRAM

[\(Click here for Drainage Diagram\)](#)

FIGURE C-3 - EVACUATION DIAGRAM

[\(Click here for Evacuation Diagram\)](#)

**FIGURE C-4 - DISCHARGE PREVENTION MEETING LOG**

Spill Prevention Briefing

- Company personnel are kept knowledgeable of equipment, safety factors, and operating conditions.
- Annual training sessions are conducted by the Supervisory Personnel or Management to assure oil handling personnel understand the SPCC Plan for the facility. These documented sessions keep personnel informed of their obligation to prevent pollution incidents and to improve spill control and response techniques.

DATE	ATTENDEES	
Subject/Issue Identified	Required Action	Implementation Date

**Note:** Other versions of this form may be used. Refer to **APPENDIX H** for samples of completed forms.

**FIGURE C-5 - INSPECTION PROCEDURES**

--	--	--

<b>A. ROUTINE VISUAL INSPECTION</b>	<b>INITIALS</b>	<b>DATE</b>
Check tanks for gaps between tank and foundation and damage caused by vegetation roots		
Check valves and packing for leaks		
Check drains and sumps for accumulation of oil and proper operation of level controls and pumps		
Check tank seams for leaks, including drips, puddles, discolored area or localized dead vegetation		
Check all tank and piping surfaces for signs of external corrosion		
Check base of tanks for evidence of settling, leaks, including drips, puddles or discolored areas		
Check piping for bowing between supports, leaks, including drips, puddles, discolored area, or localized dead vegetation		
Check vent system outlets to ensure that they are not obstructed		
Check secondary containment for discoloration and cracks or holes. Special attention should be given to seams and locations where piping goes through the deck, curbing or dikes. Ensure dike valves are closed and sealed		
Check secondary containment for permeability, debris, erosion, location/status of pipes, inlets, drainage beneath tanks, and level of precipitation in dike vs. available capacity		
Check secondary containment for presence of water in diked area. Follow appropriate Company procedures after visual inspection of the water to determine if sheen is present on the water		
Check all gates to ensure that only the entrances/exits currently in use by authorized personnel are open and unlocked		
Check facility lighting to ensure all are functioning		
Check facility fencing for damages that would allow unauthorized entry		
Check tank connections for leaks and localized dead vegetation		
<b>B. ANNUAL INSPECTIONS</b>	<b>INITIALS</b>	<b>DATE</b>
Inspect drains for accumulation of oil		
Inspect sumps for the accumulation of oil		
Inspect diked/curbed areas for the accumulation of oil		
Inspect drip pans on lift stations for the accumulation of oil		
Inspect all tanks for proper operation including gauges, sight glasses, level controls and pressure controls		
Inspect valves and valve glands for proper operation and ensure complete valve closure (leak proof)		
Inspect sump for proper operation. Manually gauge sump and pump out if level is high		
Examine the outside of the tank for signs of corrosion, damaged paint surfaces and signs of leaking		







<b>Gallons:</b>	
<b>Amount That Reached Navigable Waters (if applicable):</b>	5 (lbs)
<b>Effectiveness and Capacity of Secondary Containment:</b>	N/A
<b>Cleanup Actions Taken:</b>	Reinauer Transportation Co., Inc. accepted the responsibility for the leak.
<b>Steps Taken to Reduce Possibility of Reoccurrence:</b>	N/A
<b>Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:</b>	N/A
<b>Enforcement Actions:</b>	N/A
<b>Effectiveness of Monitoring Equipment:</b>	N/A
<b>Spill Detection:</b>	N/A

\*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

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### FIGURE C-8 - REPORTABLE SPILL HISTORY\*

<b>Date of Discharge(s):</b>	Discharge Report Number 97-4-20-1726-35
<b>List of Discharge Causes:</b>	This was caused by the failure of the deck hand to notify the dock operator that he was leaving the deck and to suspend operations.
<b>Material(s) Discharged:</b>	#2 Fuel Oil
<b>Amount of Discharges in Gallons:</b>	125 (gals)
<b>Amount That Reached Navigable Waters (if applicable):</b>	N/A
<b>Effectiveness and Capacity of Secondary Containment:</b>	N/A
<b>Cleanup Actions Taken:</b>	Reinauer Transportation Co., Inc. accepted the responsibility for the leak.
<b>Steps Taken to Reduce Possibility of Reoccurrence:</b>	N/A
<b>Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:</b>	N/A

<b>Enforcement Actions:</b>	N/A
<b>Effectiveness of Monitoring Equipment:</b>	N/A
<b>Spill Detection:</b>	N/A

\*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

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**FIGURE C-8 - REPORTABLE SPILL HISTORY\***

<b>Date of Discharge(s):</b>	Discharge Report Number 97-9-29-1012-39.
<b>List of Discharge Causes:</b>	The cause of the discharge was a leak in tank 4 starboard on the vessel Oyster Bay.
<b>Material(s) Discharged:</b>	Low Sulfur Diesel
<b>Amount of Discharges in Gallons:</b>	100 (gals)
<b>Amount That Reached Navigable Waters (if applicable):</b>	N/A
<b>Effectiveness and Capacity of Secondary Containment:</b>	N/A
<b>Cleanup Actions Taken:</b>	Eklof Marine Inc. has accepted the responsibility for the leak.
<b>Steps Taken to Reduce Possibility of Reoccurrence:</b>	N/A
<b>Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:</b>	N/A
<b>Enforcement Actions:</b>	N/A
<b>Effectiveness of Monitoring Equipment:</b>	N/A
<b>Spill Detection:</b>	N/A

\*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

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**FIGURE C-8 - REPORTABLE SPILL HISTORY\***

<b>Date of Discharge(s):</b>	Discharge Report Number 99-01-15-59-58.
	This was a discharge of approximately 5 gallons of Low

<b>List of Discharge Causes:</b>	Sulfur Diesel by the barge RTC 70. The cause of the discharge was a missing plug on their pump. This caused a spray of Low Sulfur Diesel to reach the water.
<b>Material(s) Discharged:</b>	Low Sulfur Diesel
<b>Amount of Discharges in Gallons:</b>	5 (gals)
<b>Amount That Reached Navigable Waters (if applicable):</b>	5 (gals)
<b>Effectiveness and Capacity of Secondary Containment:</b>	N/A
<b>Cleanup Actions Taken:</b>	Reinauer Transportation Co, Inc. has accepted the responsibility for the leak.
<b>Steps Taken to Reduce Possibility of Reoccurrence:</b>	N/A
<b>Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:</b>	N/A
<b>Enforcement Actions:</b>	N/A
<b>Effectiveness of Monitoring Equipment:</b>	N/A
<b>Spill Detection:</b>	N/A

\*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

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**FIGURE C-8 - REPORTABLE SPILL HISTORY\***

<b>Date of Discharge(s):</b>	September 9 2009, Discharge Report #09-09-11-0847-12
<b>List of Discharge Causes:</b>	Upon start up from vessel Naviq8 Spirit the vent assembly on ship arm #2 sprayed turbine into the air. It was immediatley notice and shut down. Piping and stand was cleaned up. At 0828hr a water borne sheen was noticed.
<b>Material(s) Discharged:</b>	Turbine fuel
<b>Amount of Discharges in Gallons:</b>	one (gals)
<b>Amount That Reached Navigable Waters (if applicable):</b>	one (gals)
<b>Effectiveness and Capacity of Secondary Containment:</b>	Vessel was already in boom containment before connecting load arms. No product went beyond the

	boom.
<b>Cleanup Actions Taken:</b>	Depolyed sausage and sweep boom inside the main boom and cleaned up sheen.
<b>Steps Taken to Reduce Possibility of Reoccurrence:</b>	Ship arm taken out of service and locked out until it was pressure tested. Monday 9-14-2009 arm was pressured tested and it passed. It was determined to install new vent valve assembly on all three ship arms. Completed 12-2009
<b>Total Oil Storage Capacity of Tank(s) or Impoundment(s) From Which Material Discharged:</b>	N/A ()
<b>Enforcement Actions:</b>	We received a letter from Coast Guard, 10-26-2009, no further action was needed. Copy of letter next page.
<b>Effectiveness of Monitoring Equipment:</b>	N/A
<b>Spill Detection:</b>	N/A

\*Reportable spill, as defined in 40 CFR Part 110, is a discharge of oil that violates applicable water quality standards or a discharge into or upon the navigable waters of the United States or adjoining shorelines in harmful quantities.

**FIGURE C-9 - CONTAINMENT AND DRAINAGE PLANNING**

FACTORS
<b>Description of the Containment and Drainage System</b>
<b>Available Volume of Containment</b>
Refer to FIGURE C-1
<b>Route(s) of Drainage</b>
Refer to FIGURE C-2. The linden truck loading rack contains 3 runoff drains. The runoff from the drains go to the site's Rack oil water separator and then into 51 tank berm with a gravity flow to 50 tank sump that is connected to a 6" PVC line that pumps into a 12" metallic pipe that pump that flow to the dock oil water separator. (b) (7)(F), (b) (3)
<b>Construction Materials Used in Drainage Troughs</b>
Native soils comprised of low permeability silt and clay covered with crushed stone
<b>Type and Number of Valves Separators</b>
(b) (7)(F), (b) (3)
<b>Sump Pump Capacities</b>

500 GPM each

**Containment Capacity of Weirs and Booms**

no booms/weirs are deployed on surface water except for boom around a distillate vessel's (length). However, we do have 1500' of boom in the water for booming distillate vessels as required by New Jersey. We also have an additional 1,000' of boom located along the dock. This boom is located in two spill containment boxes (500' at the North end and 500' at the South end.

**Other Clean Up Materials**

Refer to SECTION 7.1.1

## APPENDIX D

Last revised: July 12, 2010

## HAZARD EVALUATION AND RISK ANALYSIS

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D.1 Facility Hazard EvaluationD.2 Vulnerability AnalysisD.2.1 Analysis of the Potential for a SpillD.3 Inspection and Spill DetectionFigure D.3-1 - Response Equipment InspectionD.4 Planning Distance CalculationsFigure D.4-1 - Planning Distance CalculationsD.5 Discharge ScenariosD.5.1 Small and Medium Discharge ScenariosD.5.2 Worst Case Discharge (WCD) Scenario DiscussionD.5.3 Description of Factors Effecting Response EffortsD.6 Planning Volume CalculationsD.7 Spill Volume Calculation EPAD.8 Spill Volume Calculation DOTD.9 Pipeline - Abnormal ConditionsD.10 Product Characteristics and HazardsFigure D.10-1 - Summary of Commodity Characteristics

## D.1 FACILITY HAZARD EVALUATION

A list of potential spill sources is identified in **FIGURE C-1**. This figure describes type and volumes of secondary containment areas along with tank manufacturer dates. All liquid storage tanks are visually inspected on a weekly basis. A description of facility operations is included in **FIGURE 1-2**. A list of historical spill events is included in **FIGURE C-8**.

## D.2 VULNERABILITY ANALYSIS

A vulnerability analysis was performed to address the potential effects of an oil spill within the planning distance of this facility. Refer to **SECTION 6.6** for a detailed list of vulnerabilities. The following features may be impacted by a spill:

Water Intakes	Schools	Medical Facilities	Residential Areas	Businesses	Wetlands or other Sensitive Environments	Fish and Wildlife	Lakes and Streams	Endangered Flora and Fauna	Recreational Areas	Transportation Routes (air, land, water)	Utilities	Other Applicable Areas
			x	x	x	x		x	x	x	x	

### D.2.1 Analysis of the Potential for a Spill

The probability of a spill occurring at this facility is minimal for the following reasons:

- Tanks are constructed in accordance with applicable engineering standards
- Tank age is reviewed as a potential factor (refer to **FIGURE C-1**)
- Spill history is reviewed as a potential factor (refer to **FIGURE C-8**)
- Truck loading facilities are equipped with concrete pads with a spill collection drain system which returns spills to the recovery system
- All trucks are monitored during tank unloading procedures
- Product transfers are monitored and only conducted when facilities are manned
- Facilities are inspected frequently for evidence of corrosion and leaks according to applicable API standards
- Personnel are trained in procedures to prevent pollution
- The horizontal range of a spill is dependent upon the topography and distance to the nearest water body described in more detail in **FIGURE D.4-1**
- Natural disasters are not likely at these facilities; however, these facilities may experience flooding, tornadoes or a lightening strike
- Company personnel prepare for natural disasters by monitoring weather reports and warnings and taking appropriate safety precautions
- The potential for a natural disaster is acknowledged, as appropriate, during drills and exercises

### D.3 INSPECTION AND SPILL DETECTION

#### Inspection

In accordance with 40 CFR 112.7 (e)(8), each facility includes written procedures and records of inspection. The inspection shall include tanks, secondary containment, and response equipment at the facility.

Facility self-inspection requires two steps:

- Checklist of items to inspect
- Method of recording the actual inspection and its findings; records must be maintained for five years.

Facility specific procedures for transfer and secondary containment inspections are provided in **APPENDIX C**. Response equipment inspection information is provided in **SECTION 7.1.2**. **FIGURE D.3-1** may be used to record equipment inspection information.

#### Detection

Detection of a discharge from the Company system may occur in a number of ways including:

- Automated detection by the Supervisory Control and Data Acquisition (SCADA) system
- Visual detection by Company personnel
- Visual detection by the public

#### **AVAILABILITY - ALL TANKS**

### D.3 INSPECTION AND SPILL DETECTION, CONTINUED

#### **Automated Discharge Detection**

The pipelines are equipped with pressure and flow monitors, which may exercise local control or transmit data to Operations Control. These systems are set to alarm or shut down on preset deviations of pressure flow. In case of an alarm, Operations Control personnel will take the appropriate actions in accordance with operating procedures. A summary of the operating procedures is provided below.

Trained personnel in Operations Control will monitor the SCADA system for the following parameters:

- Flow rates
- Pressure

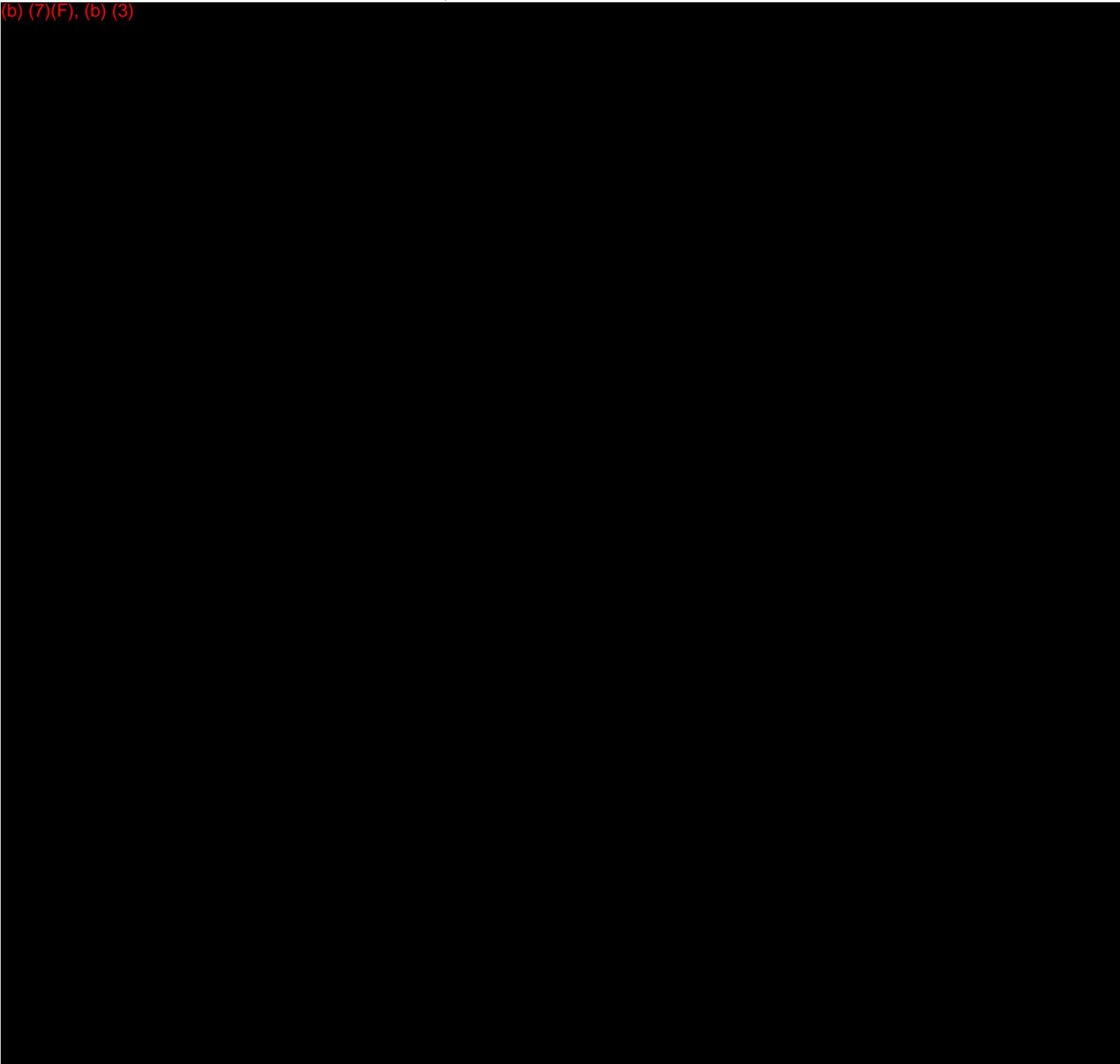
Valve positions

**Linden**

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**D.3 INSPECTION AND SPILL DETECTION, CONTINUED**

(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)

- **Training**

All operators are required to take computer-based training modules including hydraulic principles, fire prevention, DOT Part 190, Subchapter D, by Company personnel and others.

### **Visual detection by Company personnel**

**The pipeline is monitored by aerial patrol flights or ground patrol on a regular basis. The intent of the patrol is to observe the area directly over the pipeline right-of-way for leaks, exposed pipes, washes, missing markers and other unusual conditions. Construction on either side of the pipeline right-of-way is also monitored.**

Discharges to the land or surface waters may also be detected by Company personnel during regular operations and inspections. Should a leak be detected, the appropriate actions are taken including but not limited to:

- Notifications as per **SECTION 3**
- A preliminary assessment of the incident area
- If appropriate, initiate initial response actions per **FIGURE 2-1**

**FIGURE 2-1** provides a checklist for initial response actions.

### **Visual detection by the public**

Right-of-way marker signs are installed and maintained at road crossing and other noticeable points and provide an Operations Control 24-hour number for reporting emergency situations. The Company also participates in the “call before you dig” or “One Call” utility notification services which can be contacted to report a leak and determine the owner/operator of the pipeline. If the notification is made to a local office or pump station, the Company representative receiving the call will generally implement the following actions:

- Notify the Operations Control and region/designated office
- Dispatch Company field personnel to the site to confirm discharge and conduct preliminary assessment
- Notify their immediate area supervisor and provide assessment results




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Inspector's Signature

**D.4 PLANNING DISTANCE CALCULATIONS**

To evaluate the potential risk to sensitive resources in the area, should a spill occur, a planning distance was calculated based on the following characteristics of this Facility and vicinity according to 40 CFR 112, Attachment C-III. Factors utilized include distance to the nearest body of moving water/storm sewer/drainage ditch or swale, geology, and topography of the area.

**FIGURE D.4-1** provides the planning distance calculation worksheets for this Facility.

FIGURE D.4-1 - PLANNING DISTANCE CALCULATIONS

**Intermediate Calculations**

$\alpha$  = elevation (in feet) = [stream elevation @ facility] - [stream elevation @ receptor (or 20 mile point)]

$\beta$  = horizontal distance from facility to receptor (or 20 mile point) in miles

$s$  = average stream slope =  $\alpha / \beta / 5280$

$r$  = hydraulic radius (in feet) = average mid channel depth x 0.667

$n$  = Manning's roughness coefficient from Table B

To calculate stream velocity (in ft./sec.), use:  $v = 1.49/n \times r^{2/3} \times s^{1/2}$

**Calculation of PLANNING DISTANCE**

$d$  = calculated planning distance (miles)

$v$  = Chezy-Manning based stream velocity (ft./Sec.)

$t$  = spill response time interval (from Table A)

$c$  = 0.68 (sec-mile/hr-ft conversion factor)

$d = v \times t \times c$  = planning distance equation

<b>Table A</b>	
Substantial Harm Planning Time Port Areas as Identified in 40 CFR § 112	
Boston, MA	15
New York, NY	15
Delaware Bay and River to Philadelphia	15
St. Croix, VI	15
Pascagoula, MS	15
Mississippi River from Southwest Pass, LA to Baton Rouge, LA	15
Louisiana Offshore Oil Port (LOOP)	15
Lake Charles, LA	15
Sabine-Natchez River, TX	16
Galveston Bay and Houston Ship Channel	16
Corpus Christi, TX	16
Los Angeles/Long Beach Harbor, CA	16
San Francisco Bay, San Pablo Bay, Carquinez Strait, and Suisun Bay to Antioch, CA	16
Straits of Juan de Fuca from Port Angeles, WA to and including Puget Sound	16
Prince William Sound, AK	16
Others are specified by RA for EPA Region	16
Allow other lakes, rivers canals inland and near shore areas	27

<b>Table B</b>	
Manning's Roughness Coefficient for Various Natural Stream Types (n)	
Minor Streams (Top width < 100)	
Clean:	
Straight	.03
Winding	.04
Sluggish (woody, deep pools):	
No trees/brush	.06
Trees and/or brush	.10
Major Streams (Top width > 100)	
Regular section:	
No boulders/brush	.036
Irregular section:	
Brush	.06

FIGURE D.4-1 - PLANNING DISTANCE CALCULATIONS

Site Investigation

The following information is utilized to calculate the planning distance for each facility.

From USGS Quad/Topo Sheets

- Delineate watershed and down gradient receptor streams for runoff/release
- Determine whether navigable water is within 0.5 miles of the facility (or would be in worst case storm/runoff scenario)

From Facility

- Identify alternate drainage pathways to navigable waters; namely storm drainage system/piping
- Establish list of soil or other factors effecting transport of oil over land

From maps, local/state authorities or investigation

- Identify fish/wildlife sensitivities and habitats in down gradient areas along with public drinking water intake locations
- Determine stream pool elevations at facility and at receptor points or at 20 miles downstream (maximum) for more distant receptors
- Characterize stream properties for accurate determination of roughness coefficient (n) and average mid-channel depth or hydraulic radius (r)

The total planning distance equals d.

	<b>Linden - Tidally Influenced</b>
First receptor	n/a
First receptor location (miles)	n/a
$\infty$ (feet)	n/a
$\beta$ (miles)	n/a
s (feet/mile)	n/a
Avg. mid-channel depth (feet)	n/a
r (feet)	n/a
n	n/a
v (feet/second)	n/a
t (hours)	n/a
c (seconds per mile/hours per foot)	n/a
d (total planning distance)	5 Mile Radius

**If Tidally Influenced**

Planning distance calculations are based on the following factors and guidelines in accordance

with 40 CFR Part 112 Attachment C-III, 4.2:

- The horizontal range of a potential oil spill is influenced by the wind direction and tidal stage, however, it is expected to spread quickly. The area around each Facility is surrounded on all sides by water and marsh. The marsh may contain some of the oil, and limit the spread. If the containment boom at the Facility fails, the spill could potentially impact a much larger area.
- Tidally influenced waters.
- Persistent and non persistent product.
- Resulting planning distance is 15 miles persistent oils or 5 miles for non-persistent oils from each Facility down current during ebb tide and to the point of maximum tidal influence or 15 miles persistent oils or 5 miles for non-persistent oils, whichever is less, during flood tide.

## D.5 DISCHARGE SCENARIOS

The equipment and personnel to respond to a spill are available from several sources and are provided with the equipment and contractors in **SECTION 7.1.1** and **APPENDIX B.1.1**. The following sections are discussions of these scenarios.

### D.5.1 Small and Medium Discharge Scenarios

- The purpose of this section is to identify the sources and sizes of small and medium discharges as defined by OPA 90 regulations
- Potential spill scenarios may include tank overflow, valve failure, tank failure, pipe failure, hose failure, or pump seal failure; these spills would likely be in contained areas and would be unlikely to travel offsite
- The Company would respond to these types of incidents in the same manner as a worst case discharge, but at a level appropriate to the incident size; differences in response are described in the worst case scenario discussion described in this Appendix. The Companies' response in such an event would in no way obviate the liability of any other responsible parties.
- Resources are identified in **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**
- All resources shall be capable of arriving at the Facility within the applicable response tier requirements (Tier 1 = 12 hours; Tier 2 = 36 hours; Tier 3 = 60 hours)

The following table lists various facility operations and corresponding components which might be the source of a small, medium, and worst case discharge:

FACILITY OPERATIONS AND COMPONENTS	SMALL DISCHARGE (up to 2,100 gallons)	MEDIUM DISCHARGE (2,100 to 36,000 gallons)	WORST CASE DISCHARGE (volume largest tank)
------------------------------------	---------------------------------------	--	--

Oil transfer operations	Hose failure	Hose failure	Not applicable
Facility maintenance operations	Leak from periodic maintenance, line not completely drained when opened	Seal failure Overfill	Not applicable
Facility piping	Flange, gasket, threaded connection	Seal failure Overfill	Not applicable
Pumps and sumps	Seal failure Overfill	Seal failure Overfill	Not applicable
Oil storage tanks	Overfill	Overfill	Catastrophic failure of largest tank
Age and condition of facility and components	Flange, gasket, threaded connector	Pipeline failure Seal failure	Catastrophic failure of largest tank

The following table describes Facility Specific small discharge scenarios.

SMALL DISCHARGE SCENARIOS
<p>A Small Discharge would most likely be at the loading rack, which is impervious, or within the secondary containment areas (tank farm) soil. There are no downgradient wells or drinking water intakes within the projected pathway for a 50 bbl or less discharge. There are no areas of special concern within the projected pathway of a small discharge. Small discharges occurring at the loading rack or within the tank farm secondary containment are not likely to travel offsite due to the topography and drainage of the site. Small discharges occurring at the dock should be contained within secondary containment devices. The closest surface water is the Arthur Kill, which borders the east side of the terminal. It is not expected that a small discharge would migrate to the river due to the volume and the distance the spill would have to migrate. All secondary containment water from the loading rack is treated via the oil/water separator prior to release. The secondary containment water within the tank farm is checked for the presence of petroleum prior to release. Facility equipment age such as tankage is not considered a risk due to an aggressive inspections and maintenance program. These checks and treatment procedures coupled with the secondary containment structures, attended transfers, routine inspections and testing and the site topography minimize the possibility of chain reaction failures. A small discharge within the tank farm or along the pipeline would tend to migrate equally in all directions. Response to a small (average most probable) discharge would be from terminal personnel and if necessary Clean Harbors. Remediation equipment and supplies are maintained and supplied by the contracted OSROs.</p>

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4, SECTION 7.1.1,** and **APPENDIX B.1.1.**

The following table describes Facility Specific small discharge response resources.

SMALL DISCHARGE RESPONSE RESOURCE
<p>1,000 feet of containment boom and a means for deploying and anchoring the boom to be at the site within one hour of detection of the spill. Oil recovery devices with an effective daily</p>

recovery capacity equal to or greater than AMPD, on site within 2 hours of detection of the spill. Temporary oil storage capacity for the recovery of oily material equal to or greater than twice the effective recovery rate required.

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4, SECTION 7.1.1,** and **APPENDIX B.1.1.**

**Linden**

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The following table describes Facility Specific medium discharge scenarios.

Medium Discharge Scenario
<p>A Medium Discharge would most likely be at the dock, which is water, or within the secondary containment areas (tank farm) soil. There are no downgradient wells or drinking water intakes within the projected pathway for a 36,000 gallon or less discharge. There are several areas of special concern within the projected pathway of a medium discharge not contained and of considerable volume. These would include the Arthur Kill and Pralls Island. Medium discharges occurring at the dock may migrate offsite if the volume exceeds the capability of the containment system. Should a discharge migrate offsite it is expected to travel across the property and enter the Arthur Kill. Medium discharges occurring within the tank farm secondary containment are not likely to travel offsite unless the secondary containment structures fail. Failure of the secondary containment is not likely from a medium discharge, as the volume is not adequate to cause a spashover, which is the primary cause of earthen dike failure. The closest surface water is the Arthur Kill, which borders the terminal to the east. It is not expected that a medium discharge would migrate to the Kill unless there is a failure of the secondary containment and the volume approaches the 36,000-gallon mark. Should product enter the Kill, rapid transport of the product is expected. The distance the product migrates is directly related to the volume of the release and the tidal condition (flow characteristics) of the Kill at the time of the incident. All secondary containment water from the loading rack is treated via the oil/water separator prior to release. The secondary containment water within the tank farm is checked for petroleum prior to discharge. Facility equipment age such as tankage is not considered a risk due to an aggressive inspections and maintenance program. These checks and treatment procedures coupled with the secondary containment structures, attended transfers, routine inspections and testing and the site topography minimize the possibility of chain reaction failures. A medium discharge would tend to migrate towards the southeast. Response to a small (average most probable) discharge would be from terminal personnel and if necessary Clean Harbors. Remediation equipment and supplies are maintained and supplied by the contracted OSROs.</p>

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4, SECTION 7.1.1,** and **APPENDIX B.1.1.**

**Linden**

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The following table describes Facility Specific medium discharge response resources.

Medium Discharge RESPONSE RESOURCE
<p>Sufficient boom identified for oil collection and containment and for shoreline protection (quantity availability to be assured by contract or other means). Oil recovery devices with a capacity to 600 barrels daily, or greater, on-site within 12 hours of detection of spill. Oil storage capacity of 1,200 barrels. The response contractor (s) would provide all the labor,</p>

supervision, equipment and machinery (except those items furnished by CITGO) to perform and complete the emergency cleanup. For all medium most probably discharges (less than 1,200 barrels) CITGO Petroleum Corporation has contracted for cleanup services, Clean Harbors Spill Cooperative, Auchter Industrial Vacuum Services, Clean Harbors Environmental Services, Inc, and Miller Marine.

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4**, **SECTION 7.1.1**, and **APPENDIX B.1.1**.

#### D.5.2 Worst Case Discharge (WCD) Scenario Discussion

**APPENDIX D.7** provides worst case discharge calculations. Discussion of this scenario is as follows:

Upon discovery of a spill, the following procedures would be followed:

1. The First Responder would notify Supervisory Personnel and notifications would be initiated in accordance with **FIGURE 2-1**.
2. The Area Supervisor/Manager of Operations would assume the role of Incident Commander until relieved and would initiate response actions and notifications in accordance with **SECTION 2**. If this were a small spill, the local/company personnel may handle all aspects of the response. Among those actions would be to:
  - Conduct safety assessment in accordance with **FIGURE 2-1** and evacuate personnel as needed in accordance with **SECTION 2**
  - Direct facility responders to shut down ignition sources
  - Direct facility personnel to position resources in accordance with **SECTION 6.9**
  - Complete spill report form in accordance with **FIGURE 3.1-2**
  - Ensure regulatory agencies are notified (**FIGURE 3.1-4**)
3. If this were a small or medium spill, the Qualified Individual/Incident Commander may elect for the First Responder to remain the Incident Commander or to activate selected portions of the Emergency Management Team. However, for a large spill, the Qualified Individual would assume the role of Incident Commander and would activate the entire Emergency Management Team in accordance with activation procedures described in **SECTION 4.2**.
4. The Incident Commander would then initiate spill assessment procedures including surveillance operations, trajectory calculations, and spill volume estimating in accordance with **SECTION 2.1.3**.
5. The Incident Commander would then utilize checklists in **SECTION 4.6** as a reminder of ICS position responsibilities. The primary focus would be to establish incident priorities and objectives and to brief staff accordingly.
6. The Emergency Management Team would develop the following plans, as appropriate

(some of these plans may not be required during a small or medium spill):

- Site Safety and Health (**SECTION 5.4**)
- Incident Action (**SECTION 5.3.2**)
- Disposal (**SECTION 5.6**)
- Site Security (**SECTION 5.7**)
- Decontamination (**SECTION 5.5**)
- Demobilization (**SECTION 5.8**)

7. The response would continue until an appropriate level of cleanup is obtained.

The following table describes the facility specific worst case discharge scenario.

#### WORST CASE Discharge Scenario

A Worst Case Discharge would most likely be within the secondary containment areas (tank farm) soil. There are no downgradient wells or drinking water intakes within the projected pathway for a worst-case discharge. There are several areas of special concern within the projected pathway of a worst-case discharge not contained and of considerable volume. These are clearly identified in Section 1.7 and 1.8 of this Annex. Worst-case discharges are not expected to occur at the loading rack. Should a discharge at the rack be part of a worst-case discharge, and product from the rack is expected to migrate offsite it is expected to travel across the property and enter the storm drainage system and eventually lead to the Arthur Kill. Worst-case discharges occurring within the tank farm secondary containment are not likely to travel offsite unless the secondary containment structures fail. Failure of the secondary containment is not likely from a worst-case discharge unless it is an instantaneous release, which may produce a splashover, which is the primary cause of earthen dike failure. The closest surface water is the Arthur Kill located immediately outside the property to the east. It is not expected that a worst-case discharge would migrate to the Kill unless there is a failure of the secondary containment. Should product enter the Kill, rapid transport of the product is expected. The distance the product migrates is directly related to the volume of the release and the tidal condition (flow characteristics) of the Kill at the time of the incident. All secondary containment water from the loading rack treated via the oil/water separator prior to release. The secondary containment water within the tank farm is checked for the presence of petroleum prior to release. Facility equipment age such as tankage is not considered a risk due to an aggressive inspections and maintenance program. These checks and treatment procedures coupled with the secondary containment structures, attended transfers, routine inspections and testing and the site topography minimize the possibility of chain reaction failures. A worst-case discharge would tend to migrate equally in all directions. Containment within the Kill could be accomplished within a reasonable amount of time due to the proximity of equipment and the multiple access points along the waterway.

For spills at the loading rack the containment system (curbing, drains and sumps) is more than adequate for the volume of a tank truck. The spill would be retained at the loading rack and off-site migration would not be expected.

Tier I resources are located within 4 hours of the terminal facility and are maintained by Clean Harbors and the National Response Corporation. Tier II resources are located within the state of New York, Connecticut and New Jersey. These resources are maintained by the

National Response Corporation and are available within 24 hours. Tier III resources are located along the east coast from Maine to Florida. These are resources are maintained by the National Response Corporation and are strategically located for rapid mobilization. These resources are available within 48 hours.

Due to the large number of response resources and the dynamics of response planning and positioning, the exact location of each individual piece of equipment may change from month to month. The exact location of each piece of equipment and response time to the Linden terminal can be obtained 24-hours per day, 7days per week by calling the National Response Corporation. This information is updated daily and is immediately available.

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4, SECTION 7.1.1,** and **APPENDIX B.1.1.**

The following table describes the facility specific worst case discharge response resources.

WORST CASE Discharge RESPONSE RESOURCE
<p>Sufficient boom identified for oil collection and containment and for shoreline protection (quantity availability to be assured by contract or other means).</p> <p>Identify resources capable to respond on water and shoreline cleanup of volumes.</p> <p>Storage tanks are normally available to hold the recovered discharge. In the event there was no available in the above ground storage tanks to receive the recovered discharge Frac tanks would be lease to hold the recovered product.</p> <p>CITGO Petroleum would rely on the Linden, New Jersey's paid fire department to respond. The average response time is less than five minutes. In the event additional fire response was needed the Linden Fire Department Chief would make the call for additional help. Besides the Linden Fire Department the Conoco/Philips, and Merck companies would be available through the Linden Industrial Mutual Aid Cooperative.</p> <p>The individual to work with the fire department would be the Terminal Manager or designee. The designee could be the shift coordinator, shift supervisor, assistant manager in the event the terminal manager is not available.</p>

**Note:** Equipment and manpower resources are detailed in **FIGURE 3.1-4, SECTION 7.1.1,** and **APPENDIX B.1.1.**

D.5.3 Description of Factors Effecting Response Efforts

There are many factors which may effect the ability to respond to an incident. These factors are described in the following table:

FACTORS	CONSIDERATIONS EFFECTING RESPONSE EFFORTS
Size of spill	<ul style="list-style-type: none"> <li>Location of spill in relation to identified sensitivities</li> </ul>

	<ul style="list-style-type: none"> <li>and/or sensitive areas</li> <li>• Spread and spill movement</li> </ul>
Proximity to down gradient water intakes	<ul style="list-style-type: none"> <li>• Refer to <b>SECTION 6.7</b> for maps showing proximity to down gradient water intakes</li> </ul>
Proximity to fish and wildlife and sensitive environments	<ul style="list-style-type: none"> <li>• A release could impact fish, wildlife and sensitive environments as described in <b>SECTION 6.4</b> and <b>SECTION 6.5</b></li> </ul>
Likelihood that discharge will travel offsite	<ul style="list-style-type: none"> <li>• A small spill is unlikely to travel offsite</li> <li>• A medium spill has the potential to travel offsite via adjacent waterways</li> <li>• A worst case discharge has the greatest potential to travel offsite if secondary containment is breached</li> </ul>
Location of material spilled	<ul style="list-style-type: none"> <li>• See facility information and drainage located in <b>FIGURE 1-2</b> and <b>FIGURE C-2</b>. Facility tankage, piping, and transfer areas are displayed on drawings provided in <b>FIGURE C-2</b> and <b>FIGURE C-3</b></li> </ul>
Material discharged	<ul style="list-style-type: none"> <li>• Typically Turbine Fuel, ULSD, Heating Oil, Ethanol , Gasoline</li> <li>• Product is considered non-persistent but not volatile</li> </ul>
Weather or aquatic conditions	<ul style="list-style-type: none"> <li>• The areas have the potential to be affected by tornadoes, flooding, and lightning strikes</li> </ul>
Available remediation equipment	<ul style="list-style-type: none"> <li>• The Company has response equipment available</li> <li>• Resources are available through oil spill response contractors in quantities sufficient to meet applicable planning standards</li> </ul>
Probability of a chain reaction or failures	<ul style="list-style-type: none"> <li>• Potential for a chain reaction or failure is remotely possible but not anticipated; secondary containment, response contractors and trained personnel minimize the potential of such events</li> </ul>
Direction of spill pathway	<ul style="list-style-type: none"> <li>• Refer to sensitivity maps in the <b>SECTION 6.7</b></li> <li>• Wind direction and speed combined with currents, will determine spill trajectory</li> </ul>

## D.6 PLANNING VOLUME CALCULATIONS

Once the worst case discharge volume has been calculated, response resources must be identified to meet the requirements of 40 CFR 112.20(h). Calculations to determine sufficient amount of response equipment necessary to respond to a worst case discharge is described

below. A demonstration of the planning volume calculations is provided below.

## D.7 SPILL VOLUME CALCULATION EPA

EPA portion of the facility (non-transportation related)

**The WCD for the EPA portion of the facility, as defined in 40 CFR 112, Appendix D, Part A, is calculated as:**

- For multiple tank facilities with adequate secondary containment, the WCD is calculated as the capacity of the largest single aboveground oil storage tank within an adequate

(b) (7)(F), (b) (3)

Given below is planning volume data.

**Linden**

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### EPA PLANNING VOLUME DATA

STEP	PARAMETER	Linden
(A)	WCD (bbls)	(b) (7)(F), (b) (3)
(B)	Oil group	1
(C)	*Geographic area	N
(D1)	Percent lost to natural dissipation	80
(D2)	Percent recovered floating oil	20
(D3)	Percent oil onshore	10
(E1)	On water recovery (bbls)	(b) (7)(F), (b) (3)
(E2)	Shoreline recovery (bbls)	(b) (7)(F), (b) (3)
(F)	Emulsification Factor	1.0
(G)	On water recovery resource mobilization factor	
(G1)	Tier I	0.15
(G2)	Tier II	0.25
(G3)	Tier III	0.40
Part II	On water recovery capacity (bbls/day)	
	Tier I	3,829
	Tier II	6,381
	Tier III	10,210

Part III	Shoreline cleanup volume (bbls/day)	12,762
Part IV	On water response capacity by operating area (bbls/day)	
(J1)	Tier I	12,500
(J2)	Tier II	25,000
(J3)	Tier III	50,000
Part V	On water amount needed to be identified, but not contracted for in advance	
	Tier I	0
	Tier II	0
	Tier III	0

\* R = Rivers and canals  
N = Nearshore/Inland

Linden

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## EPA PLANNING VOLUME DATA

STEP	PARAMETER	Linden
(A)	WCD (bbls)	(b) (7)
(B)	Oil group	(F) (b) 2
(C)	*Geographic area	N
(D1)	Percent lost to natural dissipation	50
(D2)	Percent recovered floating oil	50
(D3)	Percent oil onshore	30
(E1)	On water recovery (bbls)	(b) (7)(F), (b) (3)
(E2)	Shoreline recovery (bbls)	
(F)	Emulsification Factor	1.8
(G)	On water recovery resource mobilization factor	
(G1)	Tier I	0.15
(G2)	Tier II	0.25
(G3)	Tier III	0.40
Part II	On water recovery capacity (bbls/day)	
	Tier I	9,572
	Tier II	15,953
	Tier III	25,525
Part III	Shoreline cleanup volume (bbls/day)	68,917
Part IV	On water response capacity by operating area (bbls/day)	
(J1)	Tier I	12,500
(J2)	Tier II	25,000

(J3)	Tier III	50,000
Part V	On water amount needed to be identified, but not contracted for in advance	
	Tier I	0
	Tier II	0
	Tier III	0

\* R = Rivers and canals

N = Nearshore/Inland

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## D.8 SPILL VOLUME CALCULATION DOT

### DOT/PHMSA portion of pipeline/facilities

The worst case discharge (WCD) for the DOT portion of the pipeline and facilities, as defined in 49 CFR 194.105(b), as the largest volume of the following:

1. The pipeline's maximum shut-down response time in hours (based on historic discharge data or in the absence of such data, the operators best estimate), multiplied by the maximum flow rate expressed in barrels per hour (based on the maximum daily capacity of the pipeline), plus the largest drainage volume after shutdown of the line section(s) in the response zone expressed in barrels; or
2. The largest foreseeable discharge for the line section(s) within a response zone, expressed in barrels (cubic meters), based on the maximum historic discharge, if one exists, adjusted for any subsequent corrective or preventative action taken; or
3. If the response zone contains one or more breakout tanks, the capacity of the single largest tank or battery of tanks within a single secondary containment system, adjusted for the capacity or size of the secondary containment system, expressed in barrels.

Under PHMSA's current policy, operators are allowed to reduce the worst case discharge volume derived from 49 CFR 194.105(b)(3) by no more than 75% if an operator is taking certain spill prevention measures for their breakout tanks and presents supporting information in the response plan. An operator can reduce the worst case discharge volume based on breakout tanks in the response zones as follows:

SPILL PREVENTION MEASURES	PERCENT REDUCTION ALLOWED
Secondary containment capacity greater than 100% capacity of tank and designed according to NFPA 30	50%
Tank built, rebuilt, and repaired according to API Std 620/650/653	10%
Automatic high-level alarms/shutdowns designed according to NFPA/API RP 2350	5%
Testing/cathodic protection designed according to API Std 650/651/653	5%
Tertiary containment/drainage/treatment per NFPA 30	5%*

Maximum allowable credit or reduction	75%
---------------------------------------	-----

\* Note: The facilities do not have tertiary containment.

**The worst case discharge for each response zone was based on the largest volume of the three criteria given above.**

**The Company has determined the worst case discharge volume to be a catastrophic line failure of the largest line section with the greatest drainage capacity in each response zone or 30 percent of the volume of the largest tank in each zone.**

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The line sections with the highest throughput and largest drainage volume between block valves on pump stations were chosen to calculate the pipeline worst case discharge. Although the entire discharge volume of each line was used for the worst case discharge, in an actual spill event, it would take days to drain the line completely. The line would be sealed early in the response effort.

All of the breakout tanks in the pipeline system are within adequate secondary containment, therefore, the discharge volumes for the largest tank was determined by adjusting the total tank volume downward by 50% per the company guidelines.

Considering the volume of release from a line break compared to that of historic discharge in each zone and to the volumes released from a tank failure, the tank failure was found to represent the worst case scenario.

The maximum historic discharge is not applicable for WCD covered by this plan. Given below are the tank and pipeline WCD calculations for this plan.

The worst case discharge for each pipeline segment is the largest breakout tank. These tank volumes are as follows:

LOCATION	PRODUCT STORED	TANK TYPE	YEAR CONSTRUCTED	VOLUME (BBLs)
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The worst case tank volume is calculated as follows:

Largest tank x Credit for containment tank standards = Tank standards credit

The Company has implemented all of the spill prevention measures, listed on the previous page, except tertiary containment. Therefore, the percent reduction allowed for credit equals 50% and the worst case discharge volume is 50% of the total volume.

The worst case discharge for the pipeline segment is calculated at the 7/11 .

WCD = [(DT + ST) x MF] + DD

Where:

WCD = worst case discharge (bbl)

DT + ST = maximum detection time + maximum shut down time in adverse weather (generally five minutes except where noted)

MF = maximum flow rate (bph) (using 4500 bph)

DD = drain down volume (bbl) (internal diameter)

(b) (7)(F), (b) (3)

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## D.9 PIPELINE - ABNORMAL CONDITIONS

Because PHMSA considers the “substantial threat” term in 49 CFR Part 194.115(a) equivalent to the “abnormal conditions” term under 49 CFR Part 195.402(d), procedures to identify events and conditions that can pose a threat of worst case discharge, and actions to take for preventing and mitigating such events and conditions are described in the System Integrity Plan.

## D.10 PRODUCT CHARACTERISTICS AND HAZARDS

This Facility may store various types of commodities including but not limited to:

- Ethanol
- Gasoline
- Heating Oil
- Turbine Fuel
- ULSD

The key chemical and physical characteristics of each of these oils and/or other small quantity products/

chemicals are identified in MSDS. MSDS can be obtained by the facility via the company intranet at <http://www.insight.citgo.com/livelihood/livelihood.exe?func=11&objId=227625&objAction=browse&sort=name> or via the web at

<http://www.citgo.com/Products/MSDS/MSDSIndex.jsp?pageName=Petrochemicals%20MSDS&groupCode=PET&pageLocation=Products>Material%20Safety%20Data%20Sheets>Petrochemicals%20MSDS>

**FIGURE D.10-1** describes primary oils handled.

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**FIGURE D.10-1 - SUMMARY OF COMMODITY CHARACTERISTICS**

COMMON NAME	MSDS NAME	HEALTH HAZARD	FLASH POINT	SPECIAL HAZARD	REACTIVITY	HEALTH HAZARD WARNING STATEMENT
						Overexposure to this material can result in severe

Ethanol	Ethanol	1	3	C	0	skin, eye and respiratory irritation.
Gasoline	Gasolines, All Grades Unleaded	1	3	C	0	Long term, repeated exposure may cause cancer, blood, kidney and nervous system damage. Contains benzene.
Heating Oil	No. 2 Fuel Oil, All Grades	0	2	0	1	Can cause eye, skin or respiratory tract irritation. May be harmful if inhaled or absorbed through the skin. Overexposure can cause central nervous system (CNS) depression and/or other target organ effects.
Turbine Fuel	Appropriate product name	1	2	C	0	Long term, repeated exposure may cause cancer.
ULSD	No. 2 Diesel Fuel, Low Sulfur, All Grades	0	2	C	0	Long term, repeated exposure may cause skin cancer.
<b>Health Hazard</b>	<b>4 = Extremely Hazardous</b> <b>3 = Hazardous</b> <b>2 = Warning</b> <b>1 = Slightly Hazardous</b> <b>0 = No Unusual Hazard</b>			<b>Fire Hazard (Flash Point)</b>	<b>4 = Below 73° F, 22° C</b> <b>3 = Below 100° F, 37° C</b> <b>2 = Below 200° F, 93° C</b> <b>1 = Above 200° F, 93° C</b> <b>0 = Will not burn</b>	
<b>Special Hazard</b>	<b>A = Asphyxiant</b> <b>C = Contains Carcinogen</b> <b>W = Reacts with Water</b> <b>Y = Radiation Hazard</b> <b>COR = Corrosive</b>			<b>Reactivity Hazard</b>	<b>4 = May Detonate at Room Temperature</b> <b>3 = May Detonate with Heat or Shock</b> <b>2 = Violent Chemical Change</b>	

**OX = Oxidizer**  
**H<sub>2</sub>S = Hydrogen Sulfide**  
**P = Contents under Pressure**  
**T = Hot Material**

**with High**  
**Temperature and Pressure**  
**1 = Not Stable if Heated**  
**0 = Stable**

APPENDIX E  
CROSS-REFERENCES

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**Figure E-1 - EPA / FRP Cross-Reference**

**Figure E-2 - DOT / PHMSA Cross-Reference**

**Figure E-3 - EPA Response Plan Cover Sheet**

FIGURE E-1 - EPA / FRP CROSS-REFERENCE

EPA FRP REQUIREMENTS	LOCATION
<b>Facility Information</b>	
<b>General Information (1.0)</b>	
• Facility Name	<u>Figure 1-2</u>
• FRP #	<u>Figure 1-2</u>
• Facility Address	<u>Figure 1-2</u>
• Facility Telephone	<u>Figure 1-2</u>
• Facility Owner	<u>Figure 1-2</u>
• Owner Address	<u>Figure 1-2</u>
• Owner Telephone	<u>Figure 1-2</u>
• Name of Protected Waterway/ Environmentally Sensitive Area	<u>Figure D.4-1, Section 6.9</u>
• Distance from Facility	<u>Figure D.4-1, Section 6.9</u>
<b>Standard Facility Response Plan (sec. 1.0)</b>	
<b>Emergency Response Action Plan (ERAP) (sec. 1.1)</b>	
Qualified Individual (QI) information (sec. 1.2) partial	<u>ERAP - Figure 3-2</u>
Emergency notification phone list (sec. 1.3.1) partial	<u>ERAP - Figure 3-2, Figure 3-3</u>
Spill response notification form (sec. 1.3.1) partial	<u>ERAP - Figure 3-1</u>
Response equipment list and location (sec. 1.3.2) complete	<u>ERAP - Figure 5-2, Figure 5-3</u>
Response equipment testing and deployment (sec. 1.3.4) complete	<u>ERAP - Figure 5-4</u>
Facility response team list (sec. 1.3.4) partial	<u>ERAP - Figure 3-2</u>
Facility evacuation plan (sec. 1.3.5) condensed	<u>ERAP - Section 2.2, Figure 6-3</u>
Immediate actions (sec. 1.7.1) complete	<u>ERAP - Section 2.0</u>
Facility diagrams (sec. 1.9) complete	<u>ERAP - "Facility Site Plan" Figure 6-1, "Drainage Diagram" Figure 6-2, "Evacuation Diagram" Figure 6-3</u>

<b>Facility Information (sec. 1.2)</b>	
Facility name and location (sec. 1.2.1)	<u>Figure 1-2</u>
Latitude and longitude (sec. 1.2.2)	<u>Figure 1-2</u>
Wellhead protection area (sec. 1.2.3)	<u>Figure 1-2</u>
Owner/ operator (both names included, if different (sec. 1.2.4)	<u>Figure 1-2</u>
Qualified Individual (sec. 1.2.5) (name, position, home and work address, phone numbers) and specific response training experience	<u>Figure 1-2</u>
Date of oil storage start-up (sec. 1.2.6)	<u>Figure 1-2</u>
Current operation (sec. 1.2.7)	<u>Figure 1-2</u>
North American Industrial Classification System (NAICS) or Standard Industrial Classification (SIC) Code	<u>Figure 1-2</u>
Date and type of substantial expansion (sec. 1.2.8)	<u>Figure 1-2, Figure C-1</u>

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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Emergency Response Information (sec. 1.3)</b>	
<b>Notification (sec. 1.3.1)</b>	
National Response Center phone number	<u>Figure 3.1-4</u>
Qualified Individual (day and evening) phone numbers	<u>Figure 1-2, Figure 3.1-3</u>
Company Response Team (day and evening) phone numbers	<u>Figure 3.1-3</u>
Federal On-Scene Coordinator (FOSC) and/ or Regional Response Center (day and evening) phone numbers	<u>Figure 3.1-4</u>
Local response team phone numbers (fire department/ cooperatives)	<u>Figure 3.1-4</u>
Fire marshal (day and evening) phone numbers	<u>Figure 3.1-4</u>
State Emergency Response Commission (SERC) phone number	<u>Figure 3.1-4</u>
State police phone number	<u>Figure 3.1-4</u>
Local Emergency Planning Committee (LEPC) phone number	<u>Figure 3.1-4</u>
Local water supply system (day and evening) phone numbers	<u>Figure 3.1-4</u>
Weather report phone number	<u>Figure 3.1-4</u>
Local TV/ radio phone number(s) for evacuation notification	<u>Figure 3.1-4</u>
Hospital phone number	<u>Figure 3.1-4</u>
Wastewater treatment facilities (Region 5 only)	<u>Figure 3.1-4, Section 6.13 (ISS)</u>
Factories/utilities with water intakes (Region 5 only)	<u>Figure 3.1-4, Section 6.13 (ISS)</u>
Trustees for sensitive areas (Region 5 only)	<u>Figure 3.1-4, Section 6.13 (ISS)</u>

<b>Spill Response Notification Form</b>	
• Reporter's name	<a href="#">Figure 3.1-2</a>
• Company information	<a href="#">Figure 3.1-2</a>
• Incident description	<a href="#">Figure 3.1-2</a>
• Materials	<a href="#">Figure 3.1-2</a>
• Response actions	<a href="#">Figure 3.1-2</a>
• Impact	<a href="#">Figure 3.1-2</a>
<b>Response Equipment List (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) (sec. 1.3.2)</b>	
Equipment list	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Equipment location	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Release handling capabilities and limitations	<a href="#">Section 6.11, Figure 7.1-1, Appendix B</a>

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Response Equipment List (Identify if Facility, OSRO, CO-OP owned by letters O, F, or C) (sec. 1.3.2), Continued</b>	
Skimmers/pumps (operational status,type/model/year, number or quantity, capacity, daily effective recovery rate, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Boom (containment boom: operational status, year, number, skirt size)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
BOom (sorbent boom: operational status, type/model/year, number, size (length))	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Chemical cuontermeasure agents stored	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Sorbents (type, year purchased, amount, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Hand tools (type, quantity, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Communications equipment (operational status, type and year, quantity, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Fire Fighting and Personnel Protective Equipment	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>

Boats and Motors (operational status, type, and year, quantity, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Other (e.g., heavy equipment, cranes, dozers, etc.) (operational status, type and year, quantity, storage location)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Equipment Location	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Amount of oil that emergency response equipment can handle and limitations (e.g., launching sites) must be described.	<a href="#">Section 6.12</a>
<b>Response Equipment Testing/ Deployment (sec. 1.3.3)</b>	
Last inspection or equipment test date	<a href="#">Figure A.1-4</a>
Inspection frequency	<a href="#">Figure A.1-4</a>
Last deployment drill date	<a href="#">Figure A.1-4</a>
Deployment frequency	<a href="#">Figure A.1-4</a>
OSRO certification (if applicable)	<a href="#">Figure A.1-4</a>
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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Response Personnel (sec. 1.3.4)</b>	
Emergency response personnel list	<a href="#">Figure 3.1-3, Figure A.2-3</a>
Emergency response contractors	<a href="#">Figure 3.1-3, Figure 7.1-1, Section 7.1.3, Appendix B</a>
Evidence of response capability	<a href="#">Appendix B</a>
Facility response team list (sec. 1.3.4)	<a href="#">Figure 3.1-3</a>
<b>Evacuation Plans (sec. 1.3.5)</b>	
Facility-wide evacuation plan	<a href="#">Section 2.2</a>
Reference to existing community evacuation plans (sec. 1.3.5.3)	<a href="#">Section 2.2</a>
Evacuation routes shown on diagram	<a href="#">Evacuation Diagram "Figure C-3"</a>
<b>Qualified Individual's Duties (sec. 1.3.6)</b>	
Description of duties	<a href="#">Section 4.5</a>
Consistent with requirements	<a href="#">Section 4.5</a>
<b>Hazard Evaluation (sec. 1.4)</b>	
<b>Hazard Identification (sec. 1.4.1)</b>	
<b>Schematic Diagram</b>	
Labeled schematic drawing	<a href="#">Drainage Diagram "Figure C-2"</a>
Above-ground tanks identified separately	<a href="#">Drainage Diagram</a>

	<u>"Figure C-2"</u>
Below-ground tanks identified separately	<u>Drainage Diagram</u> <u>"Figure C-2"</u>
Surface impoundments identified separately	N/A
<b>Tank Form:</b>	
Tank number	<u>Figure C-1</u>
Substance stored	<u>Figure C-1</u>
Quantity stored	<u>Figure C-1</u>
Tank type and year installed	<u>Figure C-1</u>
Maximum capacity	<u>Figure C-1</u>
Failure/ Cause	<u>Figure C-1</u>
<b>Surface Impoundment Form:</b>	
Surface impoundment number	<u>Figure C-1</u>
Substance stored	<u>Figure C-1</u>
Quantity stored	<u>Figure C-1</u>
Surface area/ year	<u>Figure C-1</u>

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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Surface Impoundment Form, Continued:</b>	
Maximum capacity	<u>Figure C-1</u>
Failure/ Cause	<u>Figure C-1</u>
<b>Facility Operations Description:</b>	
Loading and unloading procedures	<u>Figure 1-2</u>
Day to day operations	<u>Figure 1-2</u>
Secondary containment	<u>Figure C-1</u>
Daily throughput	<u>Figure 1-2</u>
<b>Vulnerability Analysis (sec. 1.4.2)</b>	
Analysis of the potential effects of an oil spill on vulnerable areas.	<u>Section 6.9, Figure D.4-1</u>
• Water intakes	<u>Section 6.9, Section 6.13</u>
• Schools	<u>Section 6.9, Section 6.13</u>
• Medical facilities	<u>Section 6.9, Section 6.13</u>
• Residential areas	<u>Section 6.9, Section 6.13</u>

Business	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Wetlands or other environmentally sensitive areas	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Fish and wildlife	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Lakes and streams	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Endangered flora and fauna	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Recreational areas	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Transportation routes (air, land, and water)	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Utilities	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Other applicable areas (List below)	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
• Other areas:	<a href="#">Section 6.9</a> , <a href="#">Section 6.13</a>
<b>Analysis of Potential for a Spill (sec. 1.4.3)</b>	
Probability of spill occurring at the facility	<a href="#">Appendix D.2.1</a> , <a href="#">Appendix D.5</a>
<b>Incorporates Factors:</b>	
Tank age	<a href="#">Figure C-1</a>
Spill history	<a href="#">Figure C-8</a>
Horizontal range of a potential spill	<a href="#">Figure D.4-1</a> , <a href="#">Appendix D.5</a> , <a href="#">Figure 2.1-1</a> , <a href="#">Figure C-9</a>
Vulnerability to natural disaster	<a href="#">Appendix D.2.1</a>
<b>Facility Reportable Oil Spill History Description (sec. 1.4.4)</b>	
Date of discharge	<a href="#">Figure C-8</a>
List of discharge causes	<a href="#">Figure C-8</a>

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Facility Reportable Oil Spill History Description (sec. 1.4.4), Continued</b>	
Materials discharged	<a href="#">Figure C-8</a>
Amount discharged in gallons	<a href="#">Figure C-8</a>
Amount of discharge that reached navigable waters	<a href="#">Figure C-8</a>

Effectiveness and capacity of secondary containment	<a href="#">Figure C-8</a>
Clean-up actions taken	<a href="#">Figure C-8</a>
Steps taken to reduce possibility of reoccurrence	<a href="#">Figure C-8</a>
Total oil storage capacity of tank(s) or impoundment(s) from which material is discharged	<a href="#">Figure C-8</a>
Effectiveness of monitoring equipment	<a href="#">Figure C-8</a>
Description of how each spill was detected	<a href="#">Figure C-8</a>
<b>Discharge Scenarios (sec. 1.5)</b>	
<b>Small and Medium Volume Discharges (sec. 1.5.1)</b>	
<b>Small Volume Discharges</b>	
Small volume discharge calculation for a facility	<a href="#">Appendix D.5.1</a>
Facility-specific spill potential analysis	<a href="#">Appendix D.5</a>
Average most probable discharge for "complexes"	<a href="#">Appendix D.5</a>
1,000 feet of boom (1 hour deployment time)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1</a>
Correct amount of boom for "complexes"	<a href="#">Appendix D.5</a>
Oil recovery devices equal to small discharge (2 hour recovery time)	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Oil storage capacity for recovered material	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B, Appendix D.5.1</a>
<b>Medium Volume Discharges</b>	
Medium volume discharge calculation for a facility	<a href="#">Appendix D.5.1</a>
Facility-specific spill potential analysis	<a href="#">Appendix D.5</a>
Maximum most probable discharge for "complexes"	<a href="#">Appendix D.5</a>
Oil recovery devices equal to medium discharge	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Availability of sufficient quantity of boom	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
Oil storage capacity for recovered material	<a href="#">Section 7.1.1, Figure 7.1-1, Appendix B</a>
<b>Worst Case Discharge (WCD) (sec. 1.5.2)</b>	
Correct WCD calculations	<a href="#">Appendix D.7</a>
Correct WCD for "complexes"	<a href="#">Appendix D.7, Appendix D.8</a>
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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION

<b>Worst Case Discharge (WCD) (sec. 1.5.2), Continued</b>	
Sufficient response resources for WCD	<a href="#">Appendix D.7, Figure 7.1-1, Appendix B</a>
Sources and quantity of equipment for response to WCD	<a href="#">Appendix D.7, Figure 7.1-1, Appendix B</a>
Oil storage capacity for recovered material	<a href="#">Appendix D.7, Figure 7.1-1, Appendix B</a>
<b>Discharge Detection Systems (sec. 1.6)</b>	
<b>Discharge Detection by Personnel (sec. 1.6.1)</b>	
Detection procedures	<a href="#">Appendix D.3</a>
Discussion of facility inspections	<a href="#">Figure C-5, Appendix D.3</a>
Initial response actions	<a href="#">Figure 2-1</a>
Emergency response information (referenced)	<a href="#">Section 2, Figure 3.1-4</a>
<b>Automated Discharge Detection (sec. 1.6.2)</b>	
Equipment description	<a href="#">Appendix D.3</a>
Alarm verification procedures	<a href="#">Appendix D.3</a>
Initial response actions	<a href="#">Figure 2-1</a>
<b>Plan Implementation (sec. 1.7)</b>	
<b>Response Resources (sec. 1.7.1)</b>	
Demonstration of accessibility of proper response personnel and equipment	<a href="#">Appendix B</a>
Emergency plans for spill response	<a href="#">Section 2, Appendix D.5</a>
Additional training	<a href="#">Appendix A.2</a>
Additional contracted help	<a href="#">Appendix B</a>
Access to additional equipment/ experts	<a href="#">Appendix B</a>
Ability to implement plan, including training and practice drills	<a href="#">Appendix A</a>
Immediate Actions Form for small, medium, and worst-case spills	<a href="#">Figure 2-1</a>
<b>Disposal Plans (sec. 1.7.2)</b>	
How and where materials will be disposed	<a href="#">Section 5.6, Section 7.4</a>
Disposal permits	<a href="#">Section 5.6, Section 7.4</a>
<b>Containment and Drainage Planning (sec. 1.7.3)</b>	
Containment and drainage plan available	<a href="#">Figure C-9</a>
<b>Incorporates Factors:</b>	
Available volume of containment	<a href="#">Figure C-9</a>
Route(s) of drainage	<a href="#">Figure C-9</a>
Construction materials used in drainage troughs	<a href="#">Figure C-9</a>
Type and number of valves separators	<a href="#">Figure C-9</a>
Sump pump capacities	<a href="#">Figure C-9</a>

Containment capacity of weirs and booms	<a href="#">Figure C-9</a>
Other clean up materials	<a href="#">Figure C-9</a>

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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Self-Inspection, Drills/ Exercises, and Response Training (sec. 1.8)</b>	
<b>Facility Self-Inspection (sec. 1.8.1)</b>	
Inspection checklist (with dates)	<a href="#">Figure C-5</a>
Records maintained for five years	<a href="#">Figure C-5</a>
<b>Tank Inspection (sec. 1.8.1.1)</b>	
Tank leaks	<a href="#">Figure C-5</a>
Tank foundations	<a href="#">Figure C-5</a>
Tank piping	<a href="#">Figure C-5</a>
<b>Response Equipment Inspection (sec. 1.8.1.2)</b>	
Inventory (item and quantity)	<a href="#">Figure D.3-1, Section 7.1.1</a>
Storage location	<a href="#">Figure D.3-1, Section 7.1.1</a>
Accessibility (time to access and respond)	<a href="#">Figure D.3-1, Section 7.1.1</a>
Operational status/ condition	<a href="#">Figure D.3-1, Section 7.1.1</a>
Actual use/ testing (last test date and frequency of testing)	<a href="#">Figure D.3-1, Section 7.1.1</a>
Shelf life (present age, expected replacement date)	<a href="#">Figure D.3-1, Section 7.1.1</a>
Inspection date	<a href="#">Figure D.3-1</a>
Inspector's signature	<a href="#">Figure D.3-1</a>
Inspection records maintained for 5 years	<a href="#">Figure D.3-1</a>
Response Equipment Inspection Log (Inspector, Date, Comments)	<a href="#">Figure D.3-1</a>
<b>Secondary Containment Inspection (sec. 1.8.1.3)</b>	
Dike or berm system	<a href="#">Figure C-5</a>
Secondary containment	<a href="#">Figure C-5</a>
Retention and drainage ponds	<a href="#">Figure C-5</a>
<b>Facility Drills/ Exercises (sec. 1.8.2)</b>	
Facility drills/ exercise description	<a href="#">Appendix A.1</a>
Equipment deployment exercise	<a href="#">Appendix A.1</a>
Unannounced exercise	<a href="#">Appendix A.1</a>

Area exercises	<a href="#">Appendix A.1</a>
Qualified Individual Notification Drills	<a href="#">Appendix A.1</a>
Qualified Individual Notification Drill Log (sec. 1.8.2.1) (date, company, qualified individual, other contacted, emergency scenario, evaluation)	<a href="#">Figure A.1-5</a>
Emergency Management Team Tabletop Exercises	<a href="#">Appendix A.1</a>
Emergency Management Team Tabletop Drill Log (sec. 1.8.2.2) (date, company, qualified individual, participants, emergency scenario, evaluation, changes to be implemented, time table for implementation)	<a href="#">Figure A.1-6</a>
<b>Response Training (sec. 1.8.3)</b>	
Description of response training program (including topics)	<a href="#">Figure A.2-2</a>

FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Response Training (sec. 1.8.3), Continued</b>	
Personnel Response Training Logs (name, response training date/ and number of hours, prevention training date/ and number of hours)	<a href="#">Figure A.2-3</a>
Discharge Prevention Meeting Log (date, attendees)	<a href="#">Figure C-4</a>
<b>Diagrams (sec. 1.9)</b>	
<b>Site Diagram includes:</b>	
Entire facility to scale	<a href="#">Site Plan "Figure 1-5"</a>
Above and below-ground bulk storage tanks	<a href="#">Site Plan "Figure 1-5"</a>
Contents and capacities of bulk storage tanks	<a href="#">Site Plan "Figure 1-5"</a>
Contents and capacities of drum storage areas	<a href="#">Site Plan "Figure 1-5"</a>
Contents and capacities of surface impoundments	<a href="#">Site Plan "Figure 1-5"</a>
Process buildings	<a href="#">Site Plan "Figure 1-5"</a>
Transfer areas	<a href="#">Site Plan "Figure 1-5"</a>
Secondary containment systems	<a href="#">Site Plan "Figure 1-5"</a>
Structures where hazardous materials are used and capacity	<a href="#">Site Plan "Figure 1-5"</a>
Location of communication and emergency response equipment	<a href="#">Site Plan "Figure 1-5"</a>
Location of electrical equipment which contains oil	<a href="#">Site Plan "Figure 1-5"</a>
If a "complex" facility, interface between EPA and other regulating agencies	<a href="#">Site Plan "Figure 1-5"</a>
<b>Site Drainage Diagram</b>	
Major sanitary and storm sewers, manholes, and drains	<a href="#">Drainage Diagram "Figure C-2"</a>

Weirs and shut-off valves	<u>Drainage Diagram</u> <u>"Figure C-2"</u>
Surface water receiving streams	<u>Drainage Diagram</u> <u>"Figure C-2"</u>
Fire fighting water sources	<u>Drainage Diagram</u> <u>"Figure C-2"</u>
Other utilities	<u>Drainage Diagram</u> <u>"Figure C-2"</u>
Response personnel ingress and egress	<u>Evacuation Diagram</u> <u>"Figure C-3"</u>
Equipment transportation routes	<u>Drainage Diagram</u> <u>"Figure C-2"</u> , <u>Evacuation Diagram</u> <u>"Figure C-3"</u>
Direction of spill flow from release points	<u>Figure C-1, Drainage</u> <u>Diagram "Figure C-2"</u>

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FIGURE E-1 - EPA / FRP CROSS-REFERENCE, CONTINUED

EPA FRP REQUIREMENTS	LOCATION
<b>Site Evacuation Diagram includes:</b>	
Site plan diagram with evacuation routes	<u>Evacuation Diagram</u> <u>"Figure C-3"</u>
Location of evacuation regrouping areas	<u>Evacuation Diagram</u> <u>"Figure C-3"</u>
<b>Site Security (sec. 1.10)</b>	
Emergency cut-off locations	<u>Figure 7.3-2</u>
Enclosure	<u>Figure 7.3-2</u>
Guards and their duties, day and night	<u>Figure 7.3-2</u>
Lighting	<u>Figure 7.3-2</u>
Valve and pump locks	<u>Figure 7.3-2</u>
Pipeline connection caps	<u>Figure 7.3-2</u>
<b>Response Plan Cover Sheet (sec. 2.0)</b>	
Owner/ operator of facility	<u>Figure E-3</u>
Facility name	<u>Figure E-3</u>
Facility address	<u>Figure E-3</u>
Facility phone number	<u>Figure E-3</u>
Latitude and longitude	<u>Figure E-3</u>
Dun and Bradstreet number	<u>Figure E-3</u>
<b>Response Plan Cover Sheet (sec. 2.0), Continued</b>	

North American Industrial Classification System (NAICS) Code	<a href="#">Figure E-3</a>
Largest oil tank storage capacity	<a href="#">Figure E-3</a>
Maximum oil storage capacity	<a href="#">Figure E-3</a>
Number of oil storage tanks	<a href="#">Figure E-3</a>
Worst case discharge amount	<a href="#">Figure E-3</a>
Facility distance to navigable waters	<a href="#">Figure E-3</a>
Applicability of substantial harm criteria	<a href="#">Figure E-3</a>
Certification	<a href="#">Figure E-3</a>

**FIGURE E-2 - DOT / PHMSA CROSS-REFERENCE**

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
<b>Information Summary</b>	
<ul style="list-style-type: none"> <li>For the core plan:</li> </ul>	
<ul style="list-style-type: none"> <li>Name and address of operator</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>For each Response Zone which contains one or more line sections that meet the criteria for determining significant and substantial harm (§194.103), listing and description of Response Zones, including county(s) and state(s)</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>For each Response Zone appendix:</li> </ul>	
<ul style="list-style-type: none"> <li>Information summary for core plan</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>QI names and telephone numbers, available on 24-hr basis</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>Description of Response Zone, including county(s) and state(s) in which a worst case discharge could cause substantial harm to the environment</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>List of line sections contained in Response Zone, identified by milepost or survey station or other operator designation</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>Basis for operator's determination of significant and substantial harm</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>The type of oil and volume of the worst case discharge</li> </ul>	<a href="#">Appendix D.7</a>
<ul style="list-style-type: none"> <li>Certification that the operator has obtained, through contract or</li> </ul>	<a href="#">Section 1.3, Appendix</a>

other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or threat of such discharge	<u>B</u>
<b>Notification Procedures</b>	
<ul style="list-style-type: none"> <li>Notification requirements that apply in each area of operation of pipelines covered by the plan, including applicable state or local requirements</li> </ul>	<u>Figure 3.1-4</u>
<ul style="list-style-type: none"> <li>Checklist of notifications the operator or Qualified Individual is required to make under the response plan, listed in the order of priority</li> </ul>	<u>Figure 3.1-4</u>
<ul style="list-style-type: none"> <li>Name of persons (individuals or organizations) to be notified of discharge, indicating whether notification is to be performed by operating personnel or other personnel</li> </ul>	<u>Figure 3.1-1, Figure 3.1-3, Figure 3.1-4</u>
<ul style="list-style-type: none"> <li>Procedures for notifying Qualified Individuals</li> </ul>	<u>Figure 3.1-1, Section 4.5, Figure 4.5-1</u>
<ul style="list-style-type: none"> <li>Primary and secondary communication methods by which notifications can be made</li> </ul>	<u>Section 7.1.6</u>

FIGURE E-2 - DOT / PHMSA CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
<ul style="list-style-type: none"> <li>Information to be provided in the initial and each follow-up notification, including the following: <ul style="list-style-type: none"> <li>Name of pipeline</li> <li>Time of discharge</li> <li>Location of discharge</li> <li>Name of oil recovered</li> <li>Reason for discharge (e.g. material failure, excavation damage, corrosion)</li> <li>Estimated volume of oil discharged</li> <li>Weather conditions on scene</li> <li>Actions taken or planned by persons on scene</li> </ul> </li> </ul>	<u>Figure 3.1-2</u>
<b>Spill Detection and On-Scene Spill Mitigation Procedures</b>	
<ul style="list-style-type: none"> <li>Methods of initial discharge detection</li> </ul>	<u>Appendix D.3</u>
<ul style="list-style-type: none"> <li>Procedures, listed in order of priority, that personnel are required to follow in responding to a pipeline emergency to mitigate or prevent any discharge from the pipeline</li> </ul>	<u>Section 2</u>
<ul style="list-style-type: none"> <li>List of equipment that may be needed in response activities</li> </ul>	<u>Section 7.1.1,</u>

<p>based on land and navigable waters including:</p> <ul style="list-style-type: none"> <li>• Transfer hoses and pumps</li> <li>• Portable pumps and ancillary equipment</li> <li>• Facilities available to transport and receive oil from a leaking pipeline</li> </ul>	<u>Appendix B</u>
<ul style="list-style-type: none"> <li>• Identification of the availability, location, and contact phone numbers to obtain equipment for response activities on a 24-hour basis</li> </ul>	<u>Figure 3.1-3, Appendix B</u>
<ul style="list-style-type: none"> <li>• Identification of personnel and their location, telephone numbers, and responsibilities for use of equipment in response activities on a 24-hour basis</li> </ul>	<u>Figure 3.1-3, Appendix B</u>
<b>Response Activities</b>	
<ul style="list-style-type: none"> <li>• Responsibilities of, and actions to be taken by, operating personnel to initiate and supervise response actions pending the arrival of the Qualified Individual or other response resources identified in the response plan</li> </ul>	<u>Section 2, Section 4.6, Appendix B</u>
<ul style="list-style-type: none"> <li>• Qualified Individual's responsibilities and authority, including notification of the response resources identified in the response plan</li> </ul>	<u>Section 4.5</u>
<ul style="list-style-type: none"> <li>• Procedures for coordinating the actions of the operator or Qualified Individual with the action of the OSC responsible for monitoring or directing those actions</li> </ul>	<u>Section 4.5, Section 4.6</u>
<ul style="list-style-type: none"> <li>• Oil spill response organizations (OSRO) available through contract or other approved means, to respond to a worst case discharge to the maximum extent practicable</li> </ul>	<u>Appendix B</u>
<ul style="list-style-type: none"> <li>• For each organization identified under paragraph (d), a listing of: <ul style="list-style-type: none"> <li>• Equipment and supplies available</li> <li>• Trained personnel necessary to continue operation of the equipment and staff the oil spill removal organization for the first seven days of the response</li> </ul> </li> </ul>	<u>Appendix B</u>

FIGURE E-2 - DOT / PHMSA CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
List of Contacts	
<ul style="list-style-type: none"> <li>• List of persons the Plan requires the operator to contact</li> </ul>	<u>Figure 3.1-1</u>

<ul style="list-style-type: none"> <li>• Qualified individuals for the operator's areas of operation</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>• Applicable insurance representatives or surveyors for the operator's areas of operation</li> </ul>	<a href="#">Figure 3.1-1</a>
<ul style="list-style-type: none"> <li>• Persons or organizations to notify for activation of response resources</li> </ul>	<a href="#">Figure 3.1-1</a>
<b>Training Procedures</b>	
<ul style="list-style-type: none"> <li>• Description of training procedures and programs of the operations</li> </ul>	<a href="#">Appendix A.2</a>
<b>Drill Procedures</b>	
<ul style="list-style-type: none"> <li>• Announced and unannounced drills</li> </ul>	<a href="#">Appendix A.1</a>
<ul style="list-style-type: none"> <li>• Types of drills and their frequencies; for example: <ul style="list-style-type: none"> <li>• Manned pipeline emergency procedures and qualified individual notification drills conducted quarterly</li> <li>• Drills involving emergency actions by assigned operating or maintenance personnel and notification of qualified individual on pipeline facilities which are normally unmanned, conducted quarterly</li> <li>• Shore-based spill management team (SMT) tabletop drills conducted yearly</li> <li>• Oil spill removal organization field equipment deployment drills conducted yearly</li> <li>• A drill that exercises entire response plan for each Response Zone, would be conducted at least once every three years</li> </ul> </li> </ul>	<a href="#">Appendix A.1</a>
<b>Response Plan review and update procedures</b>	
<ul style="list-style-type: none"> <li>• Procedures to meet §194.121</li> </ul>	<a href="#">Section 1.2</a>
<ul style="list-style-type: none"> <li>• Procedures to review plan after a worst case discharge and to evaluate and record the plan's effectiveness</li> </ul>	<a href="#">Section 1.2, Appendix D</a>
<b>Response zone appendices</b>	
Each response zone appendix would provide the following information:	
<ul style="list-style-type: none"> <li>• Name and telephone number of the qualified individual</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>• Notification procedures</li> </ul>	<a href="#">Section 3</a>
<ul style="list-style-type: none"> <li>• Spill detection and mitigation procedures</li> </ul>	<a href="#">Section 2.1.1, Appendix C</a>
<ul style="list-style-type: none"> <li>• Name, address, and telephone number of oil spill response</li> </ul>	<a href="#">Figure 3.1-3,</a>

organization	<a href="#">Appendix B</a>
<ul style="list-style-type: none"> <li>• Response activities and response resources including: <ul style="list-style-type: none"> <li>• Equipment and supplies necessary to meet §194.115</li> <li>• Trained personnel necessary to sustain operation of the equipment and to staff the oil spill response organization and spill management team for the first seven days of the response</li> </ul> </li> </ul>	<a href="#">Appendix A</a> , <a href="#">Appendix B</a>

FIGURE E-2 - DOT / PHMSA CROSS-REFERENCE, CONTINUED

OPA 90 REQUIREMENTS (49 CFR 194)	LOCATION
<ul style="list-style-type: none"> <li>• Names and telephone numbers of federal, state, and local agencies which the operator expects to assume pollution response responsibilities</li> </ul>	<a href="#">Figure 3.1-4</a>
<ul style="list-style-type: none"> <li>• Worst case discharge volume</li> </ul>	<a href="#">Appendix D</a>
<ul style="list-style-type: none"> <li>• Method used to determine the worst case discharge volume, with calculations</li> </ul>	<a href="#">Appendix D</a>
<ul style="list-style-type: none"> <li>• A map that clearly shows: <ul style="list-style-type: none"> <li>• Location of worst case discharge</li> <li>• Distance between each line section in the Response Zone: <ul style="list-style-type: none"> <li>• Each potentially affected public drinking water intake, lake, river, and stream within a radius of five miles of the line section</li> <li>• Each potentially affected environmentally sensitive area within a radius of one mile of the line section</li> </ul> </li> </ul> </li> </ul>	<a href="#">Section 6.10</a> , <a href="#">Section 6.12</a>
<ul style="list-style-type: none"> <li>• Piping diagram and plan-profile drawing of each line section; may be kept separate from the response plan if the location is identified</li> </ul>	<a href="#">Figure 1-2</a>
<ul style="list-style-type: none"> <li>• For every oil transported by each pipeline in the response zone, emergency response data that: <ul style="list-style-type: none"> <li>• Include name, description, physical and chemical characteristics, health and safety hazards, and initial spill-handling and firefighting methods</li> <li>• Meet 29 CFR 1910.1200 or 49 CFR 172.602</li> </ul> </li> </ul>	<a href="#">Figure D.10-1</a>

FIGURE E-3 - EPA RESPONSE PLAN COVER SHEET

Owner/ operator of facility:	CITGO Petroleum Corporation
Owner / operator address / Phone (street address or route):	1293 Eldridge Parkway Houston, TX 77077 (908) 862-6355 (Fax) (832) 486-4000 (Phone)
Facility name:	Linden
Facility address (street address or route):	4801 South Wood Avenue
City, state, and U.S. zip code	Linden, NJ 07036
Facility mailing address:	As above
Facility phone number.:	(908) 862-3300
(b) (7)(F), (4) (2)	
(b) (7)(F), (4) (2)	
Facility Acres:	
Facility Start Up Date:	1920
Dun & Bradstreet number:	175743087
(b) (7)(F), (b) (3)	
Number of above ground oil storage tanks:	39 (including additive tanks)
North American Industrial Classification System (NAICS):	42271
(b) (7)(F), (b) (3)	
(b) (7)(F), (b) (3)	
Name of Protected Waterway or Environmentally Sensitive Area:	Tidally Influenced
Number of Underground Storage Tanks:	0
Total Underground Storage Tanks (gallons):	0
Total Storage of Drums (gallons):	0
Total Storage of Transformers that Contain Oil (gallons):	0
Number of Surface Impoundments:	0
Total Storage of Surface Impoundments (gallons):	0
Facility distance to navigable water; mark the appropriate line.	
0-1/4 <input checked="" type="checkbox"/>	1/4-1/2 mile <input type="checkbox"/>
1/2 - 1 mile <input type="checkbox"/>	> 1 mile <input type="checkbox"/>

FIGURE E-3 - EPA RESPONSE PLAN COVER SHEET

**APPLICABILITY OF SUBSTANTIAL HARM CRITERIA**

Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

YES  NO 

Does the facility have a total oil storage capacity greater than or equal to one million gallons and, within any storage area, does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation?

YES  NO 

Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the appropriate formula in or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

YES  NO 

Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (using the appropriate formula in or a comparable formula) such that a discharge from the facility would shut down a drinking water intake?

YES  NO 

Does the facility have a total oil storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last five years?

YES  NO 

### CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and that based on my inquiry of those individuals responsible for obtaining information, I believe that the submitted information is true, accurate, and complete.

 Signature:	Date: 12/30/2006
Name: Rex J. Prosser	Title: Emergency Management Program Mgr.

APPENDIX F

Last revised: May 1, 2006

ACRONYMS AND DEFINITIONS

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F.1 Acronyms

F.2 Definitions

## F.1 ACRONYMS

ACP	Area Contingency Plan
AFFF	Aqueous Film Forming Foam
ASTM	American Society of Testing Materials
BBL	Barrel(s)
BLM	Bureau of Land Management (USDOI)
BPD	Barrels Per Day
BPH	Barrels Per Hour
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended
CFR	Code of Federal Regulations
CO <sub>2</sub>	Carbon Dioxide
COTP	Captain of the Port (USCG)
CRZ	Contamination Reduction Zone
CWA	Clean Water Act of 1977 (Federal)
EAP	Emergency Action Plan
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERAP	Emergency Response Action Plan
ERP	Emergency Response Plan
ERT	Emergency Response Team
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FOSC	Federal On-Scene Coordinator
FRP	Facility Response Plan
FRT	Facility Response Team
FWPCA	Federal Water Pollution Control Act of 1972
GIS	Geographic Information System
GPM	Gallons Per Minute
HAZMAT	Hazardous Materials
HMIS	Hazardous Material Information System
IC	Incident Commander
ICS	Incident Command System

JIC	Joint Information Center
LEL	Lower Explosive Limit

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LEPC	Local Emergency Planning Committee
LEPD	Local Emergency Planning District
LNG	Liquid Natural Gas
LPG	Liquefied Petroleum Gas
MSDS	Material Safety Data Sheets
MTR	Marine Transportation Related
N/A	Not Applicable
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NIIMS	National Interagency Incident Management System
NM	Nautical Miles
NOAA	National Oceanic and Atmospheric Administration
NRC	National Response Center
NRDA	National Resource Damage Assessment
NRT	National Response Team
OBA	Oxygen Breathing Apparatus
OPA 90	Oil Pollution Act of 1990
OSC	On-Scene Coordinator/Commander
OSHA	Occupational Safety and Health Administration (USDH)
PHMSA	Pipeline and Hazardous Materials Safety Administration (DOT)
PPE	Personal Protective Equipment
PREP	(National) Preparedness for Response Exercise Program
QI	Qualified Individual
RCRA	Resource Conservation and Recovery Act of 1976
RQ	Reportable Quantity
SARA	Superfund Amendments and Reauthorization Act
SCADA	Supervisory Control and Data Acquisition (System)
SCBA	Self Contained Breathing Apparatus
SDWA	Safe Drinking Water Act of 1986
SERC	State Emergency Response Commission
SETS	Safety Environment and Training Services
SI	Surface Impoundment

SIC	Standard Industrial Classification (Code)
EMT	Emergency Management Team
SOSC	State On-Scene Coordinator
SPCC	Spill Prevention, Control, and Countermeasures (Plan)

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**F.1 ACRONYMS, CONTINUED**

SSC	Scientific Support Coordinator (NOAA)
UCS	Unified Command System
UEL	Upper Explosive Limit
USACOE	U.S. Army Corps of Engineers
USCG	U.S. Coast Guard
USDOD	U.S. Department of Defense
USDL	U.S. Department of Labor
USDOE	U.S. Department of Energy
USDOJ	U.S. Department of the Interior
USDOJ	U.S. Department of Justice
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service (USDOJ)
USGS	U.S. Geological Survey (USDOJ)

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**F.2 DEFINITIONS****Adverse Weather**

The weather conditions that will be considered when identifying response systems and equipment in a response plan for the applicable operating environment. Factors to consider include significant wave height, ice, temperature, weather-related visibility, and currents with the Captain of the Port (COTP) zone in which the systems or equipment are intended to function.

**Aqueous Film Forming Foam**

A fluoro-carbon surfactant that acts as an effective vapor securing agent due to its effect on the surface tension of the water. Its physical properties enable it to float and spread across surfaces of a hydrocarbon fuel with more density than protein foam.

**Average Most Probable Discharge (USCG)**

(b) (7)(F), (b) (3)

[REDACTED]

[REDACTED]

**Bleve**

A boiling liquid-expanding vapor explosion; failure of a liquefied flammable gas container caused by fire exposure. Pronounced "blevey."

**Boilover**

Occurs when the heat from a fire in a tank travels down to the bottom of the tank causing water that is already there to boil and push part of the tank's contents over the side.

**Carbon Dioxide**

A heavy, colorless, odorless, asphyxiating gas that does not normally support combustion. It is one and one-half times heavier than air and when directed at the base of a fire its action is to dilute the fuel vapors to a lean mixture to extinguish the fire.

**Class A Fire**

A fire involving common combustible materials which can be extinguished by the use of water or water solutions. Materials in this category include wood and wood-based materials, cloth, paper, rubber and certain plastics.

**Class B Fire**

A fire involving flammable or combustible liquids, flammable gases, greases and similar products. Extinguishment is accomplished by cutting off the supply of oxygen to the fire or by preventing flammable vapors from being given off.

**Class C Fire**

A fire involving energized electrical equipment, conductors or appliances. Nonconducting extinguishing agents must be used for the protection of firefighters.

**Class D Fire**

A fire involving combustible metals, for example, sodium, potassium, magnesium, titanium and aluminum. Extinguishment is accomplished through the use of heat-absorbing extinguishing agents such as certain dry powders that do not react with the burning metals.

**F.2 DEFINITIONS, CONTINUED****Cold (Support) Zone**

An area free of contaminants so that Personal Protection Equipment (PPE) is not required for personnel working in this area. Command functions and supporting operations are carried out here.

**Command Post**

A site located at a safe distance from the spill site where response decisions are made, equipment and manpower deployed, and communications handled. The Incident Commander and the On-Scene Coordinators may direct the on-scene response from this location.

**Communication Equipment**

Equipment that will be utilized during response operations to maintain communication between employees, contractors, federal/state/local agencies.

**Containment Boom**

A flotation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to entrap and contain the product for recovery.

**Contamination Reduction Zone**

Same as the warm zone, a buffer between the hot and cold zones. Decontamination activities take place there. Equipment needed to support the primary response operation may be staged in the warm zone.

### Contingency Plan

A document used by: (1) federal, state, and local agencies to guide planning and response procedures regarding spill of oil, hazardous substances, or other emergencies; (2) a document used by industry as a response plan to spills of oil, hazardous substances, or other emergencies occurring upon their vessels or at their facilities.

### Contract or Other Approved Means

Includes:

- A written contractual agreement with a response contractor. The agreement should identify and ensure the availability of the specified personnel and equipment described under U.S.C.G. Regulations within stipulated response times in the specified geographic areas
- Certification by the facility owner or operator that the specified personnel and equipment described under USCG Regulations are owned, operated, or under the direct control of the facility owner or operator, and are available within stipulated times in the specified geographic areas
- Active membership in a local or regional oil spill removal organization that has identified specified personnel and equipment described under USCG Regulations that are available to respond to a discharge within stipulated times in the specified geographic areas
- A document which:
  - Identifies the personnel, equipment, services, capable of being provided by the response contractor within stipulated response times in specified geographic areas
  - Sets out the parties' acknowledgment that the response contractor intends to commit the resources in the event of a response
  - Permits the Coast Guard to verify the availability of the response resources identified through tests, inspections, and drills
  - Is incorporated by reference in the Response Plan
- For a facility that could reasonably be expected to cause substantial harm to the environment, with the consent of the response contractor or oil spill removal organization, the identification of a response contractor or oil spill removal organization with specified equipment and personnel which are available within stipulated response times in specific geographic areas.

## **F.2 DEFINITIONS, CONTINUED**

### Demand Breathing Apparatus

A type of self-contained breathing apparatus that provides air or oxygen from a supply carried by the user.

### Dispersants

Those chemical agents that emulsify, disperse, or solubilize oil into the water column or promote the surface spreading of oil slicks to facilitate dispersal of the oil into the water column.

### Diversions Boom

A flotation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to deflect or divert the product towards a pick up point, or away from certain areas.

### Environmentally Sensitive Areas

Streams and water bodies, aquifer recharge zones, springs, wetlands, agricultural areas, bird rookeries, endangered or threatened species (flora and fauna) habitat, wildlife preserves or conservation areas, parks, beaches, dunes, or any other area protected or managed for its natural resource value.

### Exclusion Zone

Same as hot zone, the area where a hazard exists. This is the hazardous location on site, therefore entry requires personal protective equipment (PPE). It must be big enough for both mitigation activities and protection of personnel in the warm zone should an explosion, fire, change of wind direction, or an unexpected release occur during response activities.

### Explosive Range

Flammable range; the range of the mixture of air and flammable gas or flammable vapor of liquids that must be present in the proper proportions for the mixture to be ignited. The range has upper and lower limits; any mixture above the upper explosive limit or below the lower explosive limit will not burn.

### Facility

Any pipeline, structure, equipment, or device used for handling oil including, but not limited to, underground and aboveground storage tanks, impoundments, mobile or portable drilling or workover rigs, barge mounted drilling or workover rigs, and portable fueling facilities located offshore or on or adjacent to coastal waters or any place where a discharge of oil from the facility could enter coastal waters or threaten to enter the coastal waters.

### Federal Fund

The oil spill liability trust fund established under OPA.

### First Responders, First Response Agency

A public health or safety agency (i.e., fire service or police department) charged with responding to a spill during the emergency phase and alleviating immediate danger to human life, health, safety, or property.

### Flashover

The ignition of combustibles in an area heated by convection, radiation, or a combination of the two. The action may be a sudden ignition in a particular location followed by rapid spread or a "flash" of the entire area.

## F.2 DEFINITIONS, CONTINUED

### Flash Point

The temperature at which a liquid fuel gives off sufficient vapor to form an ignitable mixture near its surface.

### Foam

A blanket of bubbles that extinguishes fire mainly by smothering. The blanket prevents flammable vapors from leaving the surface of the fire and prevents oxygen from reaching the fuel. The water in the foam also has a cooling effect.

#### Hazardous Material

Any nonradioactive solid, liquid, or gaseous substance which, when uncontrolled, may be harmful to humans, animals, or the environment. Including but not limited to substances otherwise defined as hazardous wastes, dangerous wastes, extremely hazardous wastes, oil, or pollutants.

#### Hazardous Substance

Any substance designed as such by the Administrator of EPA pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act; regulated pursuant to Section 311 of the Federal Water Pollution Control Act.

#### Hazardous Waste

Any solid waste identified or listed as a hazardous waste by the Administrator of the EPA pursuant to the federal Solid Waste Disposal Act, as amended by the Resources Conservation and Recovery Act (RCRA), 42 U.S.C., Section 6901, et seq as amended. The EPA Administrator has identified the characteristics of hazardous wastes and listed certain wastes as hazardous in Title 40 of the Code of Federal Regulations, Part 261, Subparts C and D respectively.

#### Higher Volume Port Area

Ports of:

- Boston, MA
- New York, NY
- Delaware Bay and River to Philadelphia, PA
- St. Croix, VI
- Pascagoula, MS
- Mississippi River from Southwest Pass, LA to Baton Rouge, LA
- Louisiana Offshore Oil Port (LOOP), LA
- Lake Charles, LA
- Sabine-Nachez River, TX
- Galveston Bay and Houston Ship Channel, TX
- Corpus Christi, TX
- Los Angeles/Long Beach Harbor, CA
- San Francisco Bay, San Pablo Bay, Carquinez Strait, Suisun Bay to Antioch, CA
- Straits of Juan de Fuca and Puget Sound, WA
- Prince William Sound, AK

#### Hot (Exclusion) Zone

The area where a hazard exists. This is the hazardous location on site, therefore entry requires personal protective equipment (PPE). It must be big enough for both mitigation activities and protection of personnel in the warm zone should an explosion, fire, change of wind direction, or an unexpected release occur during response activities.

## F.2 DEFINITIONS, CONTINUED

#### Hyperthermia

A dangerously high fever that can damage nerve centers. This condition can result from

exposure to excessive heat over an extended period of time.

#### Ignition Temperature

The lowest temperature at which a fuel will burn without continued application of an ignition source.

#### Incident Commander (IC)

The one individual in charge at any given time of an incident. The Incident Commander will be responsible for establishing a unified command with all on-scene coordinators.

#### Incident Command System

A method by which the response to an extraordinary event, including a spill, is categorized into functional components and responsibility for each component assigned to the appropriate individual or agency.

#### Interim Storage Site

A site used to temporarily store recovered oil or oily waste until the recovered oil or oily waste is disposed of at a permanent disposal site. Interim storage sites include trucks, barges, and other vehicles, used to store waste until the transport begins.

#### Lead Agency

The government agency that assumes the lead for directing the spill response.

#### Lead Federal Agency

The agency that coordinates the federal response to incidents on navigable waters. The lead Federal agencies are:

- **U.S. Coast Guard (USCG):** Oil and chemically hazardous materials incidents on navigable waters
- **Environmental Protection Agency (EPA):** Oil and chemically hazardous materials incidents on most inland waters and in the inland zone

#### Lead State Agency

The agency that coordinates state support to Federal and/or Local governments or assumes the lead in the absence of a Federal spill response.

#### Lower Flammable Limit

Minimum flammable concentration of a particular gas in the air.

#### Marine Transportation-Related Facility (MTR Facility)

An onshore facility, including piping and any structure used to transfer oil to or from a vessel, subject to regulation under 33 CFR Part 154 and any deepwater port subject to regulation under 33 CFR Part 150.

#### Maximum Extent Practicable

The planning values derived from the planning criteria used to evaluate the response resources described in the response plan to provide the on-water recovery capability and the shoreline protection and cleanup capability to conduct response activities for a worst case discharge from a facility in adverse weather.

#### Maximum Most Probable Discharge (USCG)

A discharge of the lesser of 2,500 barrels or ten percent of the volume of a worst case discharge.

## F.2 DEFINITIONS, CONTINUED

### Medium Discharge (EPA)

Same as maximum most probable discharge.

### Mobile Emergency Management Team (MEMT)

This group of CITGO employees has been trained to fill one or more of the Incident Command leadership positions in the General and Command Staff to assist the facility in the management of the incident. The CITGO MEMT is organized along Business Unit Lines (Refinery, NRO & Corporate Support) to provide ICS Core Support to an affected site.

### National Contingency Plan

The plan prepared under the Federal Water Pollution Control Act (33 United States Code '1321 et seq) and the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 United State Code '9601 et seq), as revised from time to time.

### Nearshore Area

The area extending seaward 12 miles from the boundary lines defined in 46 CFR Part 7, except in the Gulf of Mexico. In the Gulf of Mexico, it means the area extending seaward 12 miles from the line of demarcation (COLREG) lines) defined in '80.740 - 80.850 of Title 33 of the CFR.

### Non-Persistent or Group I Oil

A petroleum-based oil that, at the time of shipment, consists of hydrocarbon fractions:

- At least 50% of which by volume, distill at a temperature of 340EC (645EF)
- At least 95% of which volume, distill at a temperature of 370EC (700EF)

### Non-Petroleum Oil

Oil of any kind that is not petroleum-based. It includes, but is not limited to, animal and vegetable oils.

### Offshore Area

The area beyond 12 nautical miles measured from the boundary lines defined in 46 CFR Part 7 extending seaward to 50 nautical miles, except in the Gulf of Mexico. In the Gulf of Mexico it is the area beyond 12 nautical miles of the line of demarcation (COLREG lines) defined in '80-740 - 80.850 of Title 33 of the CFR extending seaward to 50 nautical miles.

### Oil or Oils

Naturally occurring liquid hydrocarbons at atmospheric temperature and pressure coming from the earth, including condensate and natural gasoline, and any fractionation thereof, including, but not limited to, crude oil, petroleum gasoline, fuel oil, diesel oil, oil sludge, oil refuse, and oil mixed with wastes other than dredged spoil. Oil does not include any substance listed in Table 302.4 of 40 CFR Part 302 adopted August 14, 1989, under Section 101(14) of the Federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by P.L. 99-499.

### Oil Spill Removal Organization (OSRO)

An entity that provides oil spill response resources, and includes any for profit or not-for-profit contractor, cooperative, or in-house response resources that have been established in a geographic area to provide required response resources.

### Operating Area

The rivers and canals, inland, nearshore, Great Lakes, or offshore geographic location(s) in which a facility is handling, storing, or transporting oil.

## F.2 DEFINITIONS, CONTINUED

### Operating Environment

Rivers and canals, inland, Great Lakes, or ocean. These terms are used to define the conditions in which response equipment is designed to function.

### Overhaul

A procedure following a fire whereby the area is examined for hidden fire and fire extension and the fire area is cleaned up.

### Owner or Operator

Any person, individual, partnership, corporation, association, governmental unit, or public or private organization of any character.

### Persistent Oil

A petroleum-based oil that does not meet the distillation criteria for a non-persistent oil. For the purposes of this Appendix, persistent oils are further classified based on specific gravity as follows:

- Group II - specific gravity less than .85
- Group III - specific gravity between .85 and less than .95
- Group IV - specific gravity .95 to and including 1.0
- Group V - specific gravity greater than 1.0

### Primary Response Contractor(s)

An individual, company, or cooperative that has contracted directly with the plan holder to provide equipment and/or personnel for the containment or cleanup of spilled oil.

### Qualified Individual(s)

An English-speaking representative(s) of the facility identified in the plan, located in the United States, available on a 24-hour basis, familiar with implementation of the facility response plan, and trained in his or her responsibilities under the plan. This person must have full written authority to implement the facility's response plan. This includes:

- Activating and engaging in contracting with identified oil spill removal organization(s)
- Acting as a liaison with the predesignated of Federal On-Scene Coordinator (FOCS)
- Obligating, either directly or through prearranged contracts, funds required to carry out all necessary or directed response activities

### Regional Response Team

The Federal Response Organization (consisting of representatives from selected Federal and State agencies) which acts as a regional body responsible for planning and preparedness before an oil spill occurs and providing advice to the FOSC in the event of a major or substantial spill.

### Reid Vapor Pressure Method

Method used by the American Society of Testing Materials to test vapor pressure. It is a measure of the volatility, or tendency to vaporize, of a liquid.

## **F.2 DEFINITIONS, CONTINUED**

### Responsible Party

Any person, owner/operator, or facility that has control over an oil or hazardous substance immediately before entry of the oil or hazardous substance into the atmosphere or in or upon the water, surface, or subsurface land of the state.

### Rivers and Canals

A body of water confined within the inland area that has a projected depth of 12 feet or less, including the Intracoastal Waterway and other waterways artificially created for navigation.

### Skimmers

Mechanical devices used to skim the surface of the water and recover floating oil. Skimmers fall into four basic categories (suction heads, floating weirs, oleophilic surface units, and hydrodynamic devices) which vary in efficiency depending on the type of oil and size of spill.

### Slopoover

An event that occurs when water is introduced into a tank of very hot liquid, causing the liquid to froth and spatter.

### Small Discharge (EPA)

Same as average most probable discharge.

### Sorbents

Materials ranging from natural products to synthetic polymeric foams placed in confined areas to soak up small quantities of oil. Sorbents are very effective in protecting walkways, boat decks, working areas, and previously uncontaminated or cleaned areas.

### Spill (Emergency) Management Team (SMT) (EMT)

The personnel identified to staff the Incident Command System (ICS) organizational structure identified in a response plan to manage response plan implementation to an abnormal event.

### Spontaneous Ignition

A fire that occurs without a flame, spark, hot surface, or other outside source of ignition.

### Staging Areas

Designated areas near the spill site accessible for gathering and deploying equipment and/or personnel.

### State Emergency Response Commission (SERC)

A group of officials appointed by the Governor to implement the provisions of Title III of the Federal Superfund Amendments and Reauthorization Act of 1986 (SARA). The SERC approves the State Oil and Hazardous Substance Discharge Prevention and Contingency Plan and Local Emergency Response Plans.

### Static Electricity

Charges of electricity accumulated on opposing and usually moving surfaces having negative and positive charges, respectively. A hazard exists where the static potential is sufficient to discharge a spark in the presence of flammable vapors or combustible dusts.

### Support Zone

Same as cold zone, an area free of contaminants so that personal protection equipment (PPE) is not required for personnel working in this area. Command functions and supporting operations are carried out here.

## **F.2 DEFINITIONS, CONTINUED**

### Tornado Warning

A tornado has been sighted.

### Tornado Watch

Conditions are favorable for tornados to form.

### Unified Command

The method by which local, state, and federal agencies will work with the Incident Commander to:

- Determine their roles and responsibilities for a given incident
- Determine their overall objectives for management of an incident
- Select a strategy to achieve agreed upon objectives
- Deploy resources to achieve agreed-upon objectives

### Warm (Contamination Reduction) Zone

A buffer between the hot and cold zones. Decontamination activities take place there. Equipment needed to support the primary response operation may be staged in the warm zone.

### Waste

Oil or contaminated soil, debris, and other substances removed from coastal waters and adjacent waters, shorelines, estuaries, tidal flats, beaches, or marshes in response to an unauthorized discharge. Waste means any solid, liquid, or other material intended to be disposed of or discarded and generated as a result of an unauthorized discharge of oil. Waste does not include substances intended to be recycled if they are in fact recycled within 90 days of their generation or if they are brought to a recycling facility within that time.

### Wildlife Rescue

Efforts made in conjunction with federal and state agencies to retrieve, clean, and rehabilitate birds and wildlife affected by an oil spill.

## APPENDIX G

Last revised: February 10, 2009

## ADDITIONAL INFORMATION

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- MSRC and STARs Equipment By Resource Area
- USCG DATA AND CROSS REFERENCE

APPENDIX H  
DOCUMENTATION

Last revised: May 1, 2006

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- [2006 MSRC PREP Documentation 02-22-07](#)
- [2007 MSRC PREP Documentation 12-21-07](#)
- [2008 MSRC PREP Documentation 12-19-08](#)
- [2009 MSRC PREP Documentation 12-21-09](#)



**CITGO Petroleum Corporation**  
Linden, NJ

OPA-90  
Emergency Response Action Plan  
(ERAP)

Developed by:







Linden, NJ  
Emergency Response Action Plan



**CITGO Petroleum Corporation**

**Linden, NJ**

OPA-90  
Emergency Response Action Plan  
(ERAP)

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EMERGENCY RESPONSE ACTION PLAN

Last revised:

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## 1.0 INTRODUCTION

## 1.1 Purpose / Scope of Plan

This Linden Emergency Response Action Plan (ERAP) provides guidelines to assist in managing an emergency. The primary goal of this Plan is to provide tools to enable an efficient, coordinated, and effective response to emergencies.

The ERAP is not meant to replace common sense or actions not specifically described herein. Responders should continually evaluate the effectiveness of actions called for in this Plan and make the appropriate adjustments based on past experience and training.

This ERAP contains tactical response plans that identify site-specific potential response strategies. Response strategies, equipment and manpower requirements and site conditions are based on conditions that were present during site assessments. Actual conditions at the time of a response may vary significantly and may necessitate the need for a different strategy and/or equipment requirements. The strategies and equipment lists contained in this plan should be used as guidelines only.

This document is intended to satisfy the requirements of 29 CFR 1910.38(a)(2) and 1910.120(1)(2) (OSHA Emergency Response Plan and Emergency Action Plan) and 40 CFR Part 112.20 (EPA Emergency Response Action Plan). Cross-references for these regulations are located in **APPENDIX E** of the Spill Response Plan.

## 1.2 Plan Review and Updating Procedures

The ERAP will be reviewed and modified as appropriate to address new information.

Plan revisions will be numbered sequentially and entered on the Record of Changes Form. The change numbers, date, and description of change will also be entered on the form. These changes are then to be distributed to all plan holders on the Distribution List.

## 1.3 Facility Description

The terminal is a bulk petroleum storage and transfer facility situated on two noncontiguous parcels of property with a total area of approximately 220 acres. The facility is located north of the Rahway River and on the west shore of the Arthur Kill in Linden, New Jersey. The larger parcel is located west of the New Jersey Turnpike, (I-95), and is referred to as the Tremley Tank Farm. The smaller parcel is located on the Arthur Kill and is referred to as Warner's Tank Farm. The facility office and docks are located in Warner's Tank farm. Warner's Tank farm is bordered by the Rahway River to the west, the Arthur Kill to the east, Cytec to the south, and Conoco Phillips Tremley Point to the north.

The area in which these facilities are located is heavily industrialized. The Arthur Kill and Rahway River are tidal rivers. The Arthur Kill is a high volume commercial marine traffic route.

The site was first developed for industrial use around 1920 as a petroleum refinery. The refinery operated on the eastern end of what is now the Warner Tank farm.

Principal facility components include:

- Transfer pipelines to storage tanks.
- Aboveground storage tanks encompassed by secondary containment dikes.

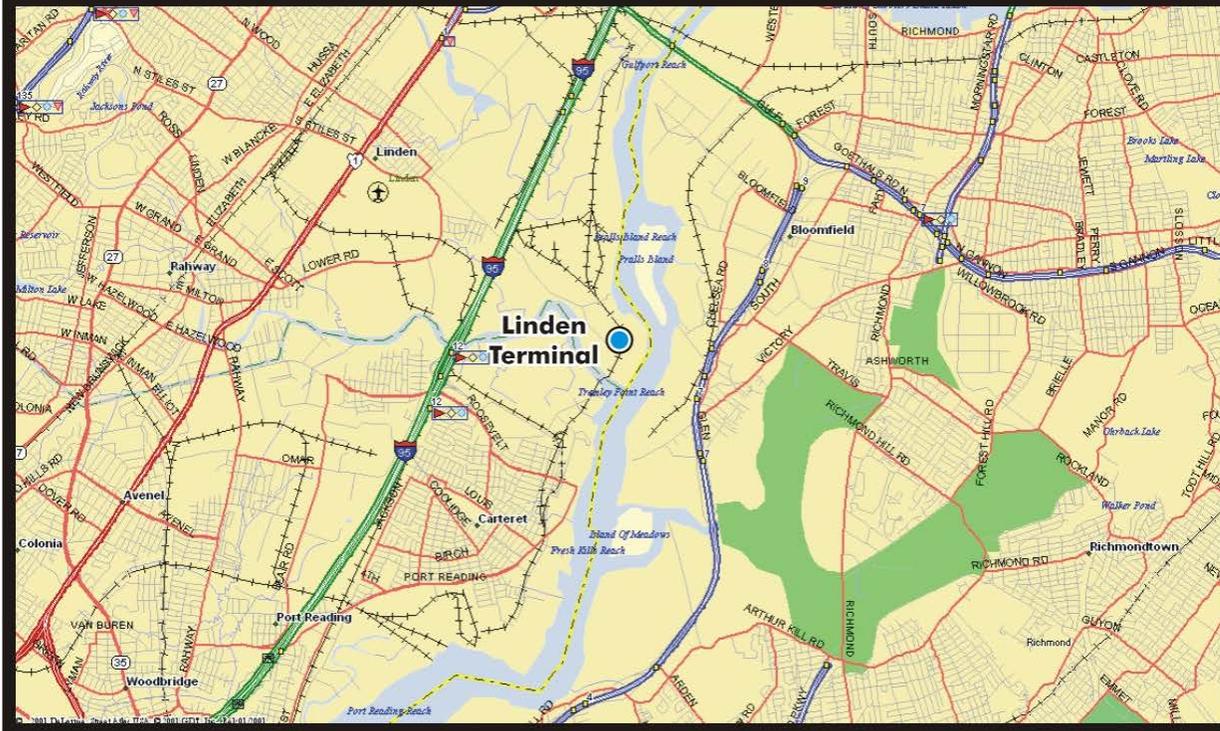
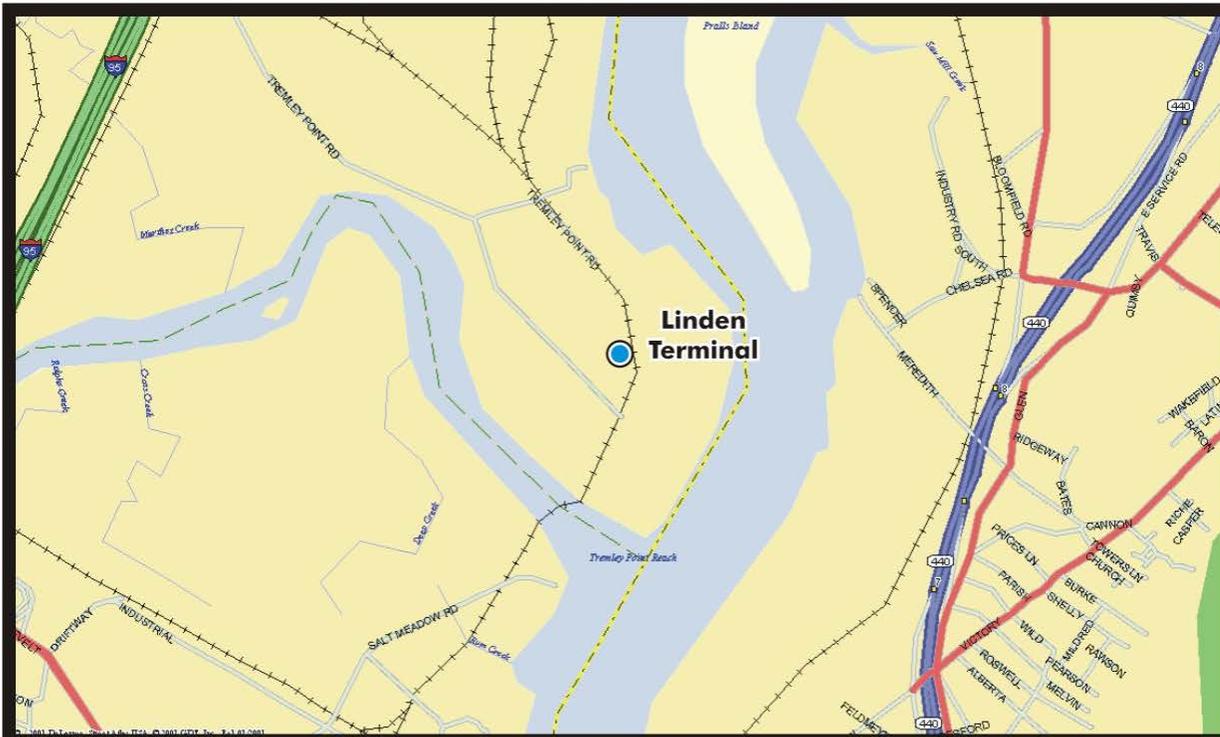
- Truck transfer loading rack and associated transfer pipelines from storage tanks.
- Marine dock on the Arthur Kill.

Surrounding land use consists of a mix of commercial and industrial developments.

Product stored and handled in bulk quantities is #2 fuel oil, kerosene, diesel, ethanol and gasoline. All products are classified as "Group I - Non-persistent" petroleum based oils according to USCG and USEPA definition (i.e., at least 50% distillation by volume at 340 C, and at least 95% distillation by volume at 370 C).

Three fully equipped barge berths and one ships berth for loading and unloading vessels located on the right descending shore of the Arthur Kill on Tremley Point.

### **FIGURE 1-1 - FACILITY AREA MAP**



**2.0 RESPONSE STEPS**

**2.1 SPILL / RELEASE RESPONSE**

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
<b>First Person to Discover Spill</b>		

Immediately notify Supervisory Personnel. Take appropriate action to protect life and ensure safety of personnel. Contact the appropriate local emergency responders or request the office to do so.		
Immediately shutdown terminal / facility operations (if applicable). (b) (7)(F), (b) (3)		
Secure the scene. Isolate the area and assure the safety of people and the environment. Keep people away from the scene and outside the safety perimeter.		
<b>Supervisory Personnel</b>		
Assume role of Incident Commander until relieved.		
Conduct preliminary assessment of health and safety hazards.		
Evacuate nonessential personnel, notify emergency response agencies to provide security, and evacuate surrounding area (if necessary).		
Call out spill response contractors ( <b>FIGURE 3-3</b> ).		
If safe to do so, direct facility responders to shut down potential ignition sources in the vicinity of the spill, including motors, electrical pumps, electrical power, etc. Keep drivers away from truck rack if spill occurs there.		
If safe to do so, direct facility responders to shut down and control the source of the spill. Be aware of potential hazards associated with product and ensure that lower explosive limits (LELs) are within safe levels before sending personnel into the spill area.		
If safe to do so, direct facility responders to stabilize and contain the situation. This may include berming or deployment of containment and/or sorbent boom.		
For low flash oil (<100°F), consider applying foam over the oil, using water spray to reduce vapors, grounding all equipment handling the oil, and using non-sparking tools.		
If there is a potential to impact shorelines, consider lining shoreline with sorbent or diversion boom to reduce impact.		
Notify Local Emergency Responders. Obtain the information necessary to complete the Oil Spill Report Form ( <b>FIGURE 3-1</b> ).		
Notify appropriate notifications: <ul style="list-style-type: none"> <li>• National Response Center (800) 424-8802</li> <li>• External regulatory notifications (<b>FIGURE 3-3</b>)</li> <li>• CITGO Hot Line (800) 26 CITGO</li> <li>• Internal CITGO notifications (<b>FIGURE 3-2</b>)</li> </ul>		

## 2.1 SPILL / RELEASE RESPONSE, CONTINUED

RESPONSE ACTION	PERSON TAKING ACTION (INITIALS)	DATE/TIME ACTION TAKEN
<b>On-Scene Coordinator</b>		
Activate all or a portion of Emergency Management Team (EMT) (as necessary). Environmental Specialist will maintain contact with notified regulatory agencies.		
Ensure the EMT has mobilized spill response contractors (if necessary). It is much better to demobilize equipment and personnel if not needed than to delay contacting them if they are needed.		
Document all response actions taken, including notifications, agency/media meetings, equipment and personnel mobilization and deployment, and area impacted. (Refer to <b>SECTION 5</b> in the Spill Response Plan for documentation.)		
Water based Spills: Initiate spill tracking and surveillance operations. Determine extent of pollution via surveillance aircraft or vehicle. Estimate volume of spill utilizing information in <b>SECTION 2.1.3</b> in the Spill Response Plan. Send photographer / videographer if safe.		
Land based Spills: Initiate spill tracking and surveillance if applicable.		
<b>SECONDARY RESPONSE ACTIONS</b> (Refer to EMT job descriptions in <b>SECTION 4.6</b> in the Spill Response Plan)		
<b>FACILITY SPECIFIC RESPONSE CONSIDERATIONS</b> (Refer to <b>SECTIONS 6.0</b> through <b>SECTION 11.0</b> for maps, tactical plans, and sensitivity information).		

<b>SITE SPECIFIC ACTIONS</b>	
<b>DOCUMENT ALL ACTIONS TAKEN</b>	<b>INITIALS</b>
<b>First Priority</b>	
Account for all personnel and visitors.	
Identify and assess fire/safety hazards.	
<b>Second Priority</b>	
Secure spill source (if possible).	
Assure all required notifications are conducted.	
Secure all drainage leading from facility.	
<b>Third Priority</b>	
Facility drainage and secondary containment will be adequate to contain a spill of small or medium size preventing it from reaching Newark Bay. Once the spill has been contained, resources are present at the facility to recover	

spilled product, safety conditions permitting.	
If unable to contain spill to facility property, refer to <b>SECTION 6.8</b> of the FRP or <b>SECTION 9.0</b> of the ERAP for location of booming strategy.	
Once deployment of response equipment has been completed, initiate recovery of product.	
Upon arrival of EMT, assure all information is accurate and complete prior to being released.	
Assure proper documentation has been completed from initial discovery of spill to finish (Refer to <b>SECTION 5</b> in the Spill Response Plan).	
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## 2.2 EVACUATION

EVACUATION CHECKLIST	
TASK	INITIALS
Request assistance from off-site agencies; convey Command Post's location	
Assemble personnel at predetermined safe location: upwind/up gradient of release (assembly area)	
Account for Company and contractor personnel	
Assess casualties (number/type/location)	
Determine probable location of missing personnel	
Secure site, establish re-entry point and check-in/check-out procedures	
Develop list of known hazards (confined spaces, electrical hazards, physical hazards, vapors, oxygen deficiency, fire/explosion, etc.)	
Monitor situation (weather, vapors, product migration) for significant changes	
Assist in developing a Rescue Plan if necessary	

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## 2.2 EVACUATION, CONTINUED

EVACUATION FACTORS	
FACTOR	DESCRIPTION
Stored material location	<ul style="list-style-type: none"> <li>• Located in oil storage area</li> <li>• Identified in facility Plot Plan (<b>FIGURE 6-1</b>)</li> </ul>
Spilled material hazards	<ul style="list-style-type: none"> <li>• Hazard is fire/explosion</li> <li>• Specific response information for fire/explosion incidents is in <b>SECTION 2.8</b>.</li> <li>• Refer to the Vulnerability Analysis in <b>SECTION 8.0</b> for a list of potential hazards imposed by spilled material.</li> </ul>
Water currents, tides	<ul style="list-style-type: none"> <li>• Not applicable</li> </ul>

or wave conditions	
Evacuation routes	<ul style="list-style-type: none"> <li>• Routes are summarized on Evacuation Plan Diagram (<b>FIGURE 6-3</b>)</li> <li>• Criteria for determining safest evacuation routes from facility may include: wind direction, potential exposure to toxins and carcinogens, intense heat, potential for explosion/fire, and blockage of planned route by fire, debris, or released liquid</li> </ul>
Alternate evacuation routes	<ul style="list-style-type: none"> <li>• Alternate routes may exist; refer to Evacuation Plan Diagram (<b>FIGURE 6-3</b>)</li> </ul>
Injured personnel transportation	<ul style="list-style-type: none"> <li>• Emergency services can be mobilized to the facility (<b>FIGURE 3-3</b>)</li> </ul>
Alarm/Notification system location	<ul style="list-style-type: none"> <li>• The terminal does not maintain a facility wide alarm system</li> </ul>
Community evacuation plans	<ul style="list-style-type: none"> <li>• Company may request local police, county sheriff and/or state police assistance (<b>FIGURE 3-3</b>). Community evacuations are the responsibility of these agencies.</li> </ul>
Spill flow direction	<ul style="list-style-type: none"> <li>• East towards the Arthur Kill and for the Warner Tank Farm east and south into Marshes Creek which flows into the Rahway River</li> <li>• Identified in facility drainage diagram (<b>FIGURE 6-2</b>)</li> </ul>
Prevailing wind direction and speed	<ul style="list-style-type: none"> <li>• South approximatley 8-10 mph</li> <li>• Because wind direction varies with weather conditions, consideration for evacuation routing will depend in part on wind direction</li> </ul>
Emergency personnel/response equipment arrival route	<ul style="list-style-type: none"> <li>• Main entrance gate</li> <li>• Should conditions prohibit normal entrance procedures, the Terminal Manager or Person in Charge must determine an alternate entry route</li> <li>• Directions to nearest medical facility provided below</li> </ul>

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## 2.2 EVACUATION, CONTINUED

EVACUATION FACTORS	
FACTOR	DESCRIPTION
Centralized check-in area	<ul style="list-style-type: none"> <li>• Main Entrance Gate</li> <li>• Supervisor is responsible for head count</li> </ul>

Mitigation Command Center location	<ul style="list-style-type: none"> <li>Initial Command Center located at Terminal Office Building The alternate location is the closest available hotel with adequate accommodations</li> <li>Mobile Command Posts may be established as necessary</li> </ul>
Facility Shelter Location	<ul style="list-style-type: none"> <li>Terminal Office</li> <li>Not a safe harbor from fires, explosions, vapor clouds, or other significant emergencies; however, may be used for temporary shelter from inclement weather</li> </ul>
Directions to nearest medical facility	<p>Directions to Union Hospital :</p> <ul style="list-style-type: none"> <li>The transportation of injured personnel will be performed by the local Fire Department or EMS</li> </ul>

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## 2.3 TORNADO

<b>TORNADO CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
<p>Monitor news media reports (<b>FIGURE 3-3</b>).</p> <ul style="list-style-type: none"> <li>Tornado watch means conditions are favorable for tornadoes</li> <li>Tornado warning means a tornado has been sighted</li> </ul>	
When a tornado warning is issued, sound the local alarm.	
<p>Take shelter:</p> <ul style="list-style-type: none"> <li>Go to an interior room on the lowest floor</li> <li>Get under a sturdy piece of furniture</li> <li>Use your arms to protect head and neck</li> </ul>	
Have location personnel report to the designated area.	
Account for all personnel on duty.	
Look for funnel formations on the ground or in the clouds; listen for a roar that sounds like a jet aircraft or rail traffic.	
If the facility is damaged by the tornado, notify Supervisory Personnel.	
<p>Go to the scene of the incident to evaluate the situation.</p> <ul style="list-style-type: none"> <li>Be aware of broken glass and downed power lines</li> <li>Check for injuries</li> </ul>	

• Use caution entering a damaged building	
Update Supervisory Personnel/Management.	
Perform Initial Response Actions functions as stated in <b>SECTION 2.1.</b>	
Conduct post-emergency evaluation and report.	

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**2.4 HURRICANE**

The following checklist is only applicable to facilities that are susceptible to hurricane events.

<b>HURRICANE CHECKLIST</b>	
<b>Prior to Hurricane Season</b>	<b>INITIALS</b>
1. Conduct hurricane awareness training, which includes evacuation routes and asset hurricane procedures.	
2. Coordinate activities with local and state agencies involved in hurricane preparation (Emergency Access Cards, etc.).	
3. Communicate recommended Community Evacuation routes.	
4. Determine disposition of company vehicles during evacuation.	
5. Each location should maintain current photographs of facilities.	
<b>June 1 - Beginning of Hurricane Season</b>	
1. Verify the availability of and procure emergency supplies, as necessary: <ul style="list-style-type: none"> <li>• Portable Radios</li> <li>• Plywood, lumber, plastic sheeting or covering</li> <li>• Drinking water</li> <li>• First Aid Kits</li> <li>• Flashlights and batteries</li> <li>• Tools</li> <li>• Emergency non-perishable food items</li> </ul>	
2. Ensure emergency generators and portable equipment is in good working order and sufficient fuel is available.	
<b>Hurricane entering Gulf of Mexico/Atlantic Ocean</b>	
1. Implement hurricane procedures.	
2. Identify employees who may volunteer to implement hurricane procedures.	

<b>72 hours prior to hurricane's eye reaching landfall</b>	
1. Cancel all training and meetings requiring travel to affected areas.	
2. Designate location for temporary Communication Center.	
3. Verify contractor contacts and availability.	
4. All employees shall provide to their supervisor an evacuation location and contact number.	
5. Each location shall identify a radio frequency which broadcasts emergency weather information.	
6. Report facility status to Corporate Management.	

**Linden****ERAP Page - 13****2.4 HURRICANE, CONTINUED**

<b>SPECIFIC RESPONSE ACTIONS</b>	<b>COMMENT</b>
<b>48 hours prior to hurricane's eye reaching landfall</b>	
1. Implement flex-shift to allow employees to secure personal property.	
2. Ensure all storage tanks are stabilized at a minimum of 40% capacity.	
3. Ensure all below ground sumps have been pumped dry.	
4. Secure all critical documents including electronic data.	
5. Elevate electrical equipment, sensitive office equipment and documents in the event of high water.	
6. Report facility status to Management.	
<b>36 hours prior to hurricane's eye reaching landfall</b>	
1. Communicate with suppliers and affected customers.	
2. Report facility status to Management.	
<b>24-hours prior to hurricane's eye reaching landfall</b>	
1. Begin shutdown operations.	

2. Release nonessential personnel.	
3. Report facility status to Corporate Management.	
<b>12-hours prior to hurricane's eye reaching landfall</b>	
1. Man Communications Center continuously.	
2. Report facility status to Management.	
<b>Post Storm Recovery Procedure</b>	
1. Initiate facility damage assessment.	
2. Report facility status to Management.	
3. Once access has been granted, the following processes should be surveyed for operational reliability prior to startup: <ul style="list-style-type: none"> <li>• Electrical panels and motors</li> <li>• Instrument air system</li> <li>• Emergency shutdown system</li> <li>• Tank and vessel foundation and support (possible washouts)</li> <li>• Check for dangerous wildlife and reptiles</li> </ul>	

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## 2.5 FLOOD

<b>FLOOD CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
Perform continuous monitoring of the situation by listening to radio and/or television reports ( <b>FIGURE 3-3</b> ). <ul style="list-style-type: none"> <li>• Flash flood watch means flooding is possible</li> <li>• Flash flood warning means flooding is occurring or is imminent</li> </ul>	
Update Supervisory Personnel when flooding is imminent.	
Establish an evacuation plan ( <b>SECTION 2.2</b> ).	
Take preliminary actions to secure the facility before flooding and mandatory evacuation.	
Consider having sandbags brought to sites that could be affected by the flooding.	
Consider obtaining portable pumps and hoses from local suppliers or from other petroleum service locations in the area.	
Remove product from underground storage tanks (i.e., sumps and separators, if applicable) and replace with water to prevent them from floating out of the	

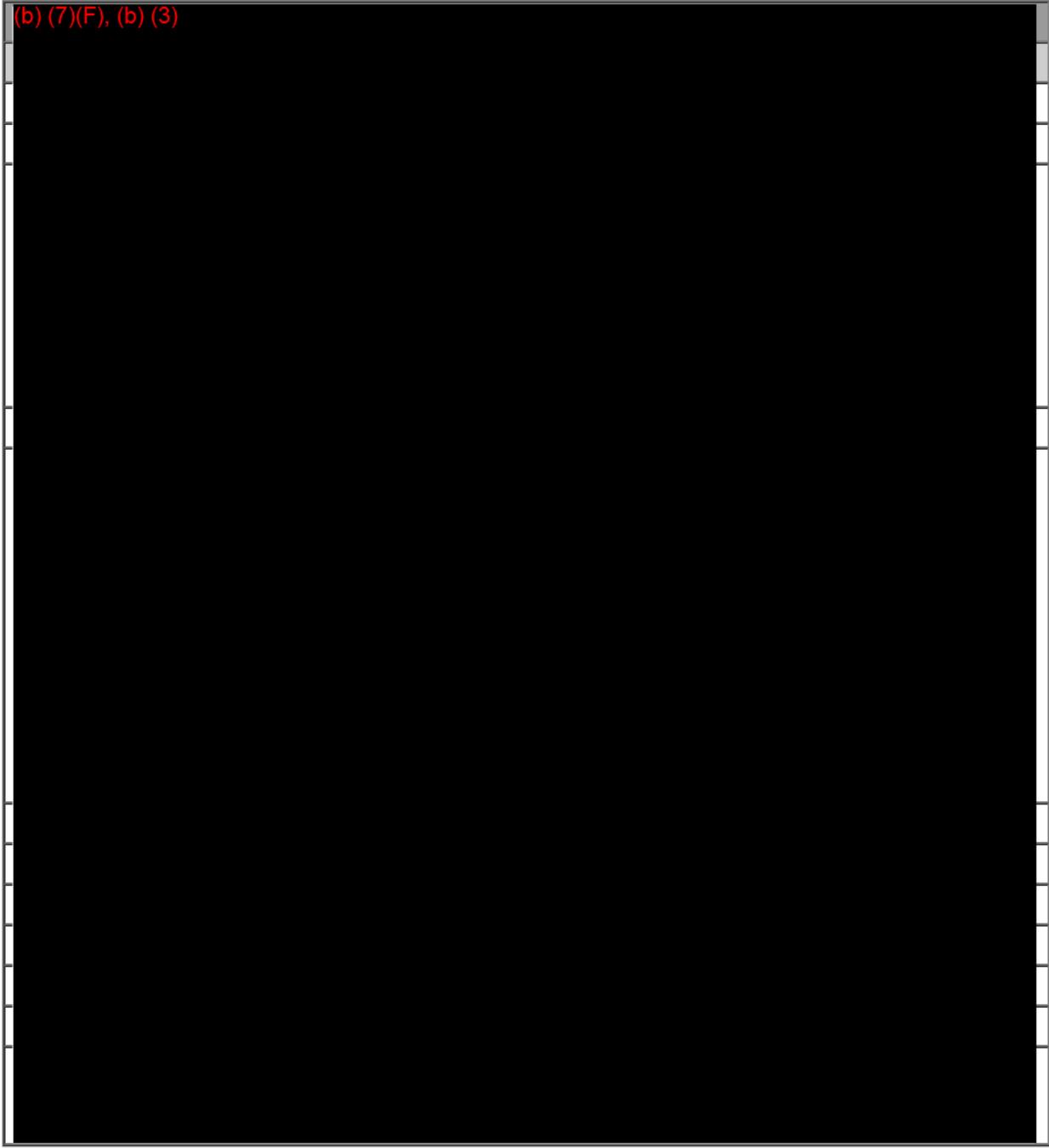
ground.	
Keep at least a normal bottom in all above ground tankage, more if possible.	
Plug all rack drains and facility drains connected to the sump.	
Anchor all bulk additive tanks, fuel barrels, empty drums, and propane tanks (if applicable).	
Notify Supervisory Personnel/Management that the facility will be closed.	
Back up computer files.	
Remove assets such as files, computers, and spare parts.	
Shut off high voltage power and natural gas lines.	
Close all valves on product and additive storage tanks.	
Before evacuation, know where all the employees will be residing and obtain phone numbers so they can be contacted if additional emergencies occur.	
Conduct a post-emergency evacuation and report.	
Maintain hazards awareness: <ul style="list-style-type: none"> <li>• Structural damage</li> <li>• Downed power lines</li> <li>• Leaking natural gas, water, and sewer lines</li> <li>• Poisonous snakes and other wildlife sheltering in structures, vehicles, and furniture</li> <li>• Avoid direct contact with floodwater, mud, and animal carcasses</li> </ul>	

## 2.6 MEDICAL

<b>MEDICAL CHECKLIST</b>	
<b>TASK</b>	<b>INITIALS</b>
Summon Emergency Medical Services (EMS) to the scene ( <b>FIGURE 3-3</b> ).	
Do not move the patient unless a situation (such as a fire) threatens patient's life.	
If trained, provide first aid until the EMS arrives at the scene.	
As the situation warrants, try to stop the bleeding and keep the patient breathing until the EMS arrives at the scene.	
The rescuer's role includes: <ul style="list-style-type: none"> <li>• Removing the patient from any situation threatening patient's life or the lives of rescuers</li> <li>• Correcting life-threatening problems and immobilizing injured parts before transporting the patient</li> <li>• Transporting the patient in a way that minimizes further damage to</li> </ul>	

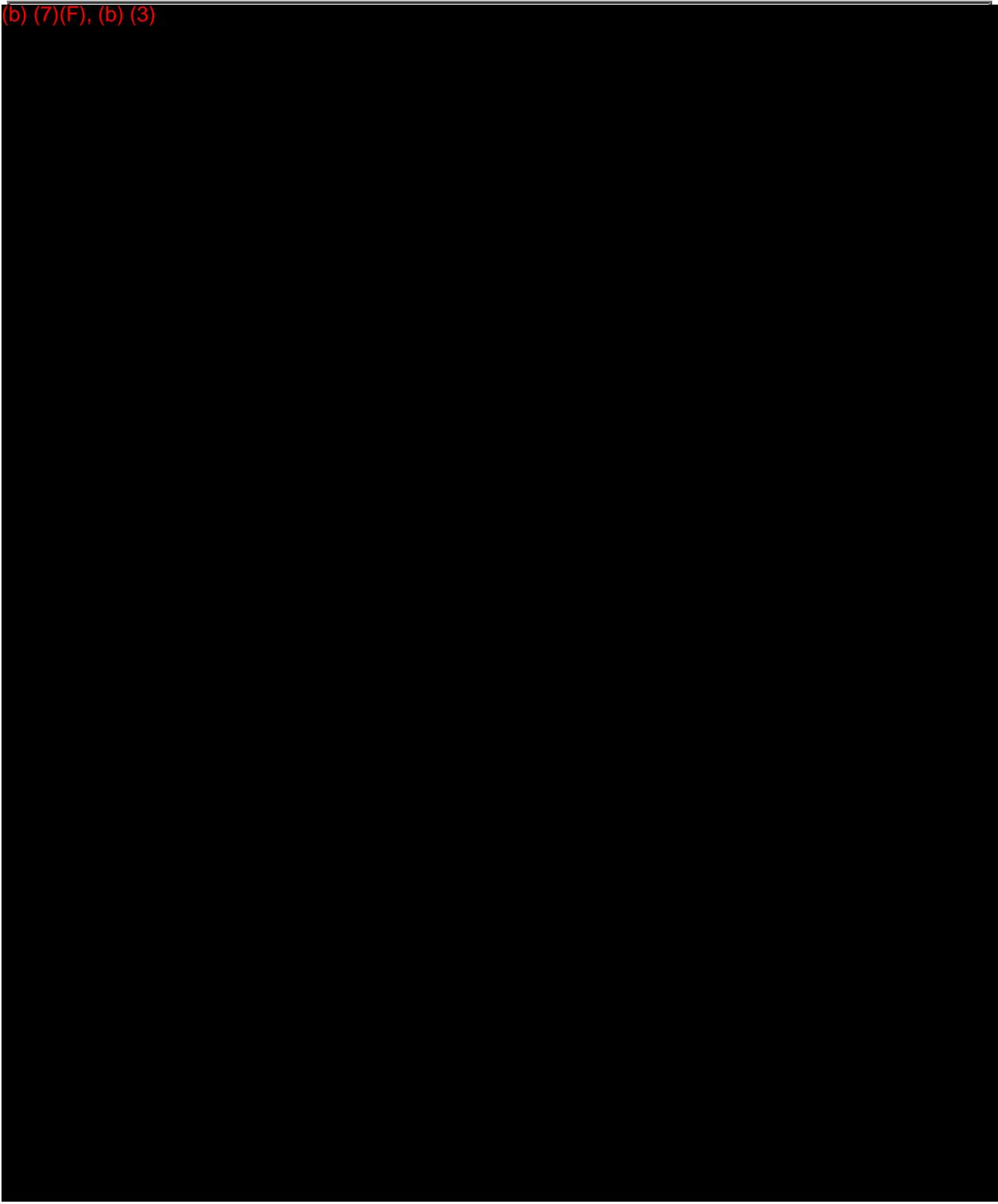
<p>injured parts</p> <ul style="list-style-type: none"><li>• Administering essential life support while the patient is being transported</li><li>• Observing and protecting the patient until medical staff can take over</li><li>• Administering care as indicated or instructed</li></ul>	
---	--

2.7 BOMB THREAT



**2.8 FIRE AND/OR EXPLOSION**

(b) (7)(F), (b) (3)

**2.8 FIRE AND/OR EXPLOSION, CONTINUED**

**Your first consideration is always the safety of people  
in the immediate area, including your own.**

**The first responder's initial objective is site management.**

**FIRE AND/OR EXPLOSION CHECKLIST, CONTINUED**

TASK	INITIALS
<b>At an unmanned facility</b>	
Handle the call.	
Notify the local police and fire departments.	
Notify Supervisory Personnel.	
Notify CITGO Hot Line.	
Go to the incident scene to evaluate the situation; approach cautiously from upwind; do not rush in.	
Undertake basic site control: <ul style="list-style-type: none"> <li>• Make an assessment of hazards</li> <li>• Isolate the area</li> <li>• Keep people away from the scene and outside the safety perimeter</li> <li>• Establish safety zones and escape routes</li> </ul>	
If roads or railroads are in the affected area, assist the sheriff or local emergency officials with halting traffic.	
Update Supervisory Personnel/Management.	
If the fire/explosion is a result of a pipe rupture, isolate the product release by closing valves.	
Respond to the fire: <ul style="list-style-type: none"> <li>• Establish a Command Post and lines of communication</li> <li>• Maintain site control</li> <li>• Establish Incident Command/Unified Command as necessary, refer to <b>SECTION 4.4</b> in the Spill Response Plan</li> </ul>	
Call in additional resources if on scene personnel and equipment are inadequate to handle the emergency.	
Conduct a post-emergency evaluation and report.	

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### 3.0 NOTIFICATIONS

FIGURE 3-1 - OIL SPILL REPORT FORM

<b>INVOLVED PARTIES</b>	
<b>Reporting Party</b>	<b>Suspected Responsible Party</b>

Name:		Name:	
Phone:	(Day)	Phone:	(Day)
	(Evening)		(Evening)
Position:		Company:	
Company:		Organizational Type: <input type="checkbox"/> Private Citizen <input type="checkbox"/> Private Enterprise <input type="checkbox"/> Public Utility <input type="checkbox"/> Local Government <input type="checkbox"/> State Government <input type="checkbox"/> Federal Government	
Address:			
<b>Person Discovering Incident</b>			
Name:			
Company/Organization:			
City:	State:	Zip:	
Were materials released? <input type="checkbox"/> Yes <input type="checkbox"/> No		Calling for Responsible Party <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>INCIDENT DESCRIPTION</b>			
Incident Classification: <input type="checkbox"/> Tier I (12-hours) <input type="checkbox"/> Tier II (36 hours) <input type="checkbox"/> Tier III (60 hours)			
Date:	Time: <input type="checkbox"/> AM <input type="checkbox"/> PM	Weather:	
Incident Address/Location:		Latitude: _____ degrees _____ min _____ sec N	
		Longitude: _____ degrees _____ min _____ sec W	
Mile Post/River Marker:			
City/County:		Distance from City:	
State:		Direction from City:	
Source and Cause of Incident:			
Storage Tank Type: <input type="checkbox"/> Above Ground <input type="checkbox"/> Below Ground <input type="checkbox"/> Unknown			
Tank Capacity:		Facility Capacity:	
<b>MATERIAL INFORMATION</b>			
CHRIS Code	Product Released	Released Quantity (Include units of measure)	Quantity in Water (Include units of measure)

--	--	--	--

**Note:** Refer to the Incident Database for spill history and spill reporting.

**\* It is not necessary to wait for all information before calling NRC. National Response Center - 1-800-424-8802**

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FIGURE 3-1 - OIL SPILL REPORT FORM, CONTINUED

INITIAL IMPACT						
Number of injuries:				Number of Deaths:		
Were there Evacuations? <input type="checkbox"/> Yes <input type="checkbox"/> No				Number Evacuated:		
Was there any Damage? <input type="checkbox"/> Yes <input type="checkbox"/> No						
Damage in dollars (estimate):						
Is the Spill Contained within the boundaries of the facility? <input type="checkbox"/> Yes <input type="checkbox"/> No						
Direction of Flow:						
RESPONSE ACTION(S)						
Action(s) Taken to Correct, Control or Mitigate Incident:						
ADDITIONAL INFORMATION						
Any information about the incident not recorded elsewhere in the report (e.g., duration of spill, treatment or disposal measures).						
COMPLETED NOTIFICATIONS						
Report	Phone Number	Date	Case Number	Time	Name	Title
NRC <input type="checkbox"/>	(800) 424-					

	8802*					
Ohio EPA	(800) 282-9378					
Franklin County, OH LEPC	(614) 645-6672					
Lucas County, OH LEPC	(419) 245-1200					

**Note:** Refer to the Incident Database for spill history and spill reporting.

**\* It is not necessary to wait for all information before calling NRC. National Response Center - 1-800-424-8802**

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**FIGURE 3-2 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS**

\*24-Hour Number

<b>FACILITY RESPONSE TEAM</b>		
<b>NAME/TITLE</b>	<b>PHONE NUMBER</b>	<b>RESPONSE TIME (hours)</b>
Robert Keiser Terminal Manager Linden, NJ Terminal 3466 <b>Qualified Individual</b>	908-523-2303 (Office) (Home) 703-999-3921 *(Mobile)	1
Don Paglia Assistant Terminal Manager <b>Qualified Individual</b>	908-523-2315 (Office) (b) (6) 732-896-7274 *(Mobile) none (Pager)	1.5
Edward Garcia Senior Operational Supervisor	908-523-2308 (Office) (b) (6) 732-896-7273 *(Mobile)	0.75

Refer to **FIGURE A.2-3** in the Spill Response Plan for personnel training records

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**FIGURE 3-2 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED**

\*24-Hour Number

<b>EMERGENCY RESPONSE PERSONNEL AND BUSINESS UNIT NOTIFICATIONS</b>				
<b>NAME/TITLE</b>	<b>PHONE NUMBER</b>	<b>RESPONSE TIME</b>	<b>RESPONSIBILITY DURING</b>	<b>RESPONSE TRAINING</b>
				1

		(hours)	RESPONSE ACTION	TYPE		
				1	2	3
<b>Emergency Management Hotline</b>	<b>(800) 262-4846</b> (Office)		Corporate Notification			
Tom Fanning Marine Tech Services Mgr. <b>Qualified Individual</b>	832-486-1558 (Office) (b) (6) 281-221-2874 *(Mobile)		Corporate QI	x		x
Jeffrey Bonnette General Manager Health, Safety & Environmental Protection <b>Qualified Individual</b>	(832) 486-1528 (Office) (337) 515-0510 *(Mobile)		Corporate QI - Business Unit Support			
Don Griffin Northeast EHSS Manager <b>Qualified Individual</b>	(856) 963-1251 (Office) (b) (6) (b) (6) (609) 841-0399 *(Mobile)		Terminal Regional Qualified Individual	x	x	x
K. Scott Gebbie Regional Terminal Facilities Manager	(832) 486-4749 (Office) (b) (6) (281) 630-5985 *(Mobile)			x	x	x
Jim Sanders GM Terminals & Pipelines	(832) 486-4786 (Office) (b) (6) (281) 224-4736 *(Mobile)		General Manager, Terminal Facilities & Operations	x	x	x
<b>EMERGENCY RESPONSE TRAINING TYPE</b>						
<b>TYPE</b>	<b>DESCRIPTION</b>					
1	29 CFR 1910.120 HAZWOPER					
2	OPA (Training Reference for Oil Spill Response) All Facility Personnel, SMT, QI Components					
3	Qualified Individual/Incident Command Training					

**Note:** Refer to **APPENDIX A** in the Spill Response Plan for training dates.

FIGURE 3-2 - INTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS,  
CONTINUED

\*24-Hour Number

EMERGENCY RESPONSE CONTRACTORS						
NAME/TITLE	PHONE NUMBER	RESPONSE TIME (hours)	RESPONSIBILITY DURING RESPONSE ACTION	RESPONSE TRAINING TYPE <sup>1</sup>		
				1	2	3
Auchter Industrial Vac Service, Inc.	(908) 862-2277*	1	Provide Spill Response Equipment and Trained Response Personnel	x		
Miller Marine	(908) 862-1005 S.I. (718) 727-7303	1	Provide Spill Response Equipment and Trained Response Personnel	x		
MSRC OSRO Star Partners Equipment Lists For Spill Response	(800) 645-7745*	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
Clean Harbors Cooperative L.L.C.	908-862-7500 Hotline # 732-661-2548	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
Clean Harbors Environmental	(800) 645-8265* (732) 248-1997* (732) 248-4414 (Fax)	1	Provide Spill Response Equipment and Trained Response Personnel	x	x	
MSRC - Marine Spill Response Corporation	(800) 645-7745* (800) 259-6772 (732) 417-0175	2	Provide Spill Response Equipment and Trained Response Personnel	x	x	x
EMERGENCY RESPONSE TRAINING TYPE						
TYPE	DESCRIPTION					
1	29 CFR 1910.120 HAZWOPER					
2	OPA (Training Reference for Oil Spill Response) All Facility Personnel, SMT, QI Components					

3

Qualified Individual/Incident Command Training

**Note:** Refer to **APPENDIX A** in the Spill Response Plan for training dates.**Linden****ERAP Page - 24****FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS**

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Initial</b>		
<b>National Response Center (NRC)</b>	<b>(800) 424-8802*</b>	
<b>USCG Classified OSRO's</b>		
Clean Harbors Cooperative L.L.C. Linden, New Jersey	908-862-7500 Hotline # 732-661-2548	
Clean Harbors Environmental Edison, NJ	(800) 645-8265* (732) 248-1997* (732) 248-4414 (Fax)	
MSRC - Marine Spill Response Corporation Herndon, VA	(800) 645-7745* (800) 259-6772 (732) 417-0175	
MSRC OSRO Star Partners Equipment Lists For Spill Response Herndon, VA	(800) 645-7745*	
<b>USCG Non-Classified OSRO's</b>		
Auchter Industrial Vac Service, Inc.	(908) 862-2277*	
Miller Marine	(908) 862-1005 S.I. (718) 727-7303	
<b>Recommended</b>		
<b>Federal Agencies</b>		
National Oceanic & Atmospheric Admin.(NOAA) Local (Ed Levine) 212- 668-6428 (New York)	(305) 361-4300- Miami (305) 361-4449-Fax (206) 526-4911-24Hr	
U.S. Army Corps of Engineers (COE) - Emergency Operations Center Troy Lock	(202) 761-1001 (518) 273-0870 Troy (518) 272-6442 24Hr	
U.S. Coast Guard - Sector New York	(718) 354-4121* (718) 354-4353 (24hr)	

U.S. Environmental Protection Agency (EPA) - Region II - Hotline (Edison, NJ)	(732) 321-4370*	
U.S. Environmental Protection Agency (EPA) - Region III (Philadelphia, PA)	(215) 814-9016 24h (215) 814-5000 (Main Number) (800) 424-8802 NRC (215) 814-3255 Off Hours	
U.S. Environmental Protection Agency (EPA)- Region I	(617) 223-7265*(Rolls to NRC) (617) 723-8928*	
<b>State Agencies</b>		
New Jersey Department of Environmental Protection (NJDEP)	(609) 292-7172 (877) 927-6337*	
New Jersey Department of Environmental Protection (NJDEP) - Division of Fish, Game & Wildlife	(609) 292-2965	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>State Agencies</b>		
New Jersey DOT-Roadway Emergencies	1-(973)-770-5000	
New Jersey Marine Police	(609) 882-2000	
New Jersey Office of Homeland Security	1-(866) 472-3365	
New Jersey Office of the Governor	(609) 292-6000	
New Jersey State Police Headquarters	(609) 882-2000	
NY State - Department of Environmental Conservation	(518) 357-2045	
NY State Department of Environmental Conservation (DEC) - Endangered Species Unit	(518) 402-8920	
NY State Department of Environmental Conservation (DEC) - Water Quality Surveillance Section / Spill (HOT LINE)	(800) 457-7362	

NY State Department of Environmental Conservation (DEC) - Bureau of Fisheries	(607) 652-7366	
NY State Department of Environmental Conservation (DEC) - Director of Fish & Wildlife	(518) 402-8924	
NY State Department of Transportation (DOT) - Waterways Maintenance NYS Canals Corp.	(518) 471-5010 - DOT (518) 436-2700 - Canals	
NY State Police - Aviation Unit	(212)577-8477	
NY State Police - Operations Center	(518) 457-6811	
Port of New York/New Jersey	(212) 435-7000	
<b>Fire Departments</b>		
Clark Township Fire Department	(908) 381-1158	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Fire Departments</b>		
Cranford Fire/Police Department	(908) 272-2222	
Elizabeth Fire Department	(908) 820-2800	
Linden Fire Department	(908) 486-3500	
Rahway Fire Department	(908) 388-1400	
Roselle Fire Department	(908) 245-8600	
Roselle Park Fire Department	(908) 245-2300	
Union Township Fire Department	(908) 851-5420	
<b>Hospitals</b>		
Newark Beth Israel Medical Center	(973) 926-7000	

ROBERT WOOD JOHNSON - Rahway Hospital	(732) 381-4200	
Trinitas Hospital was Elizabeth General	(908) 527-5000	
Union Hospital	(908) 851-7121	
<b>Law Enforcement</b>		
Clark Township Police Department	732-388-3434	
Cranford Police	(908) 272-2222	
Elizabeth Police Department	(908) 558-2000	
Kenilworth Boro Police	(908) 276-1700	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Law Enforcement</b>		
Linden Police Department	(908) 474-8500	
Rahway Police Department	732-827-2200	
Rosselle Borough Police Department	(908) 245-2000	
Union Township Police Department	(908) 851-5000	
<b>Accomodations</b>		
Days Inn	(800) 329-7466	
Hampton Inn Airport Plaza Linden	(908) 862-3222	
Holiday Inn/Holiday Inn Express	(888) 465-4329	
Howard Johnson	(800) 446-4656	
Ramada Limiteds, Inns, & Plaza Hotels	(888) 288-4982 (601) 638-5750 (Mississippi)	

<b>Aircraft Rental</b>		
Kanzler Owen Aerial Photography	(908) 486-2262	
The Evidence Store	(908) 687-7205	
<b>Aviation Companies</b>		
Linden Airport	(908) 862-5557	
Newark Liberty International Airport	973-961-6600	
Princeton Airport	(609) 921-3100	
Solberg Airport	(908) 534-4000	

**Linden****ERAP Page - 28****FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS**

\*24-Hour Number

<b>AFFILIATION</b>	<b>PHONE NUMBER</b>	<b>TIME CONTACTED</b>
<b>Recommended, Continued</b>		
<b>Aviation Companies</b>		
Teterboro Airport	(201) 288-1353	
<b>Bottled Drinking Water</b>		
Culligan	(800) 285-5442	
Mountain Valley Spring Water	(800) 643-1501	
Poland Spring Water	800-638-2323	
Vermont Pure Springs	(800)-525-0070	
<b>Car Rental</b>		
Alamo	(877) 603-0615	
Avis	(800) 831-2847	
Budget Rent A Car Systems, Inc.	(800) 527-0700	
Enterprise	(800) 325-8007	
Hertz	(800) 654-3131	

Thrifty	(800) 847-4389	
<b>Caterers</b>		
Aliperti's	(732) 381-2300	
Bragman's Delicatessen	(973) 375-9868	
Cranford Delicatessen	(908) 276-0733	
Domino's Pizza 609 Westfield, Elizabeth, NJ	(908) 354-4322	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Caterers</b>		
Pizza Hut	(972) 338-7700 (corp hdqtrs)	
Silvio's Italian Specialty Shop	(908) 827-0060	
Tucky's Pizza	(908) 862-0050	
Woodbridge Deli	(732) 636-4848	
<b>Communication Equipment Rental</b>		
American Cellular	(908) 359-3817	
AT&T/SBC	(888) 294-8433	
COASTWIDE Communications (RADIOS)	732-775-2280	
Communications Advantage	(908) 687-6626	
Corporate Telecom	(732) 636-6722	
Verizon Wireless	(800) 256-4646	
<b>Contract Spill Management Technical Advisors</b>		
The O'Brien's Group	985-781-0804* Fax 985-781-0580	

	(800) 910-3778	
<b>Diving Services</b>		
Indepth Marine Construction	(908) 270-6812	
Rand Dive	(732) 324-1144	
TNJ Marine, Inc.	(732) 681-8122	
<b>Excavation Contractors</b>		
Amquip	(800) 355-9200	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Excavation Contractors</b>		
Antoine, Albert H.	(908) 276-2923	
Atlantic Crane Service	(732) 938-3880	
Casey, W.J. Trucking and Rigging Company	(908) 687-6424	
Jensen-Koerner Crane Service	(973) 267-9300	
JJR CONSTRUCTION	732-382-5877 908-482-8004 CELL	
Krutis Excavating	(908) 862-6967 (908) 230-7052	
P&A Crane and Hoist Company	(908) 527-6990	
Remida Service, Inc.	(908) 687-6677	
Rob's Crane Service	(908) 382-0821	
Sky-Hy Erectors and Equipment	(908) 755-0900	
United Crane Rentals	(908) 245-6260	

<b>Hardware Supplies</b>		
Ace Hardware	(866) 290-5334	
Home Depot	(908) 523-2210	
STANDARD LUMBER (True Value) 1024 Elizabeth, Elizabeth, NJ	(908) 354-2646	
<b>Laboratories</b>		
Accredited Analytical resources, LLC	732-969-6116	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Laboratories</b>		
Accutest Labs	732-329-0200	
Complete Analysis Labs	(973) 335-2254	
New Jersey Laboratories	(732) 249-0148	
Q.C. Labs	732-214-8378	
Spectrum Laboratories	(732) 752-1400	
US Engineering Laboratory	(732) 382-3553	
<b>Manpower Staffing</b>		
Manpower Inc.	(414) 961-1000 (headquarters)	
<b>Medical Supplies</b>		
Colton's Pharmacy	(908) 353-6653	
CVS Pharmacy	(888) 607-4287 205-879-3569 (Birmingham)	
Rite Aid	(800) 748-3243 205-995-0403 (Birmingham)	

Walgreens	(800) 289-2273	
<b>Mutual Aid Organizations</b>		
<b>CHEMTREC</b>	<b>(800) 424-9300</b>	
<b>Rocky Mountain Poison Control Center</b>	(303) 739-1107	
<b>NRDA Support</b>		
Entrix (Houston Office)	(800) 476-5886 (Concord, CA) (713) 666-6223 (Houston, TX) (713) 817-2469 (Bob Nailon cell)	
<b>Office Supplies</b>		
STAPLES	(908) 862-5855 (956) 541-1500 (Brownsville) (205) 822-1193 (Birmingham)	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Safety and Industrial Hygiene Equipment</b>		
Clean All Tech Co.	(908) 925-1600	
Hagemeyer - Vallen safety Supply	610-485-4715 X115 800-356-0783 lab safetysupplies	
MSA Safety Equipment	(800) 672-2222	
<b>Services - Additional</b>		
ADDECO Staffing Services (Linden, NJ)	(908) 686-3262	
Brickforce Staffing	(908) 351-2738	
Flexline	(908) 486-3330	

Industrial Rubber	(908) 351-1550	
Safeguard Business Systems	(908) 686-0090	
<b>Transport Companies</b>		
Bouchard Transportation	(800) 645-7244	
Casey Trucking and Rigging	(908) 687-6424	
JDM Trucking	(908) 757-5335	
Kirby Offshore	(718) 720-7207	
McAllister Towing (Tugs)	212-269-3200	
Mileto V Trucking	(908) 862-2627	
Moran Towing	203-442-2836	

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FIGURE 3-3 - EXTERNAL NOTIFICATIONS AND TELEPHONE NUMBERS

\*24-Hour Number

AFFILIATION	PHONE NUMBER	TIME CONTACTED
<b>Recommended, Continued</b>		
<b>Transport Companies</b>		
Reinauer Transportation	718-816-8281 718-816-8167 800-782-8847 (Ext. 401)	
<b>Vacuum Truck Services</b>		
ALL STATE	908-862-3800	
AUCHTER VAC SERVICE	908-862-2277 908-862-2278 908-925-1515	
Clean Harbors Environmental Services	(732) 248-1997	
<b>Waste Management</b>		
All State Power Vac Corporation	(908) 862-3800	
AUCHTER VAC SERVICE	908-862-2277	

	908-862-2278	
Clean Venture, Inc.	(908) 355-5800	
Pure Earth RECYCLING - ENVIRONMENTAL	856-696-4401	
WASTER MANAGEMENT	800-633-9096	
<b>Water Intakes</b>		
Non Regulated Generation LLC was Con Edison, Arthur Kill Station	(718) 390-2748 24 hr Control room	
<b>Weather</b>		
Linden Local Weather	(908) 976-1212	
<b>Wildlife Rehabilitation</b>		
Tri-State Bird Rescue and Research Inc.	(302) 737-7241 (302) 737-9562 (Fax) (800) 710-0695* (Pager) (800) 710-0696* (Pager)	

#### 4.0 PUBLIC AFFAIRS

This section contains guidelines for dealing with the media during an emergency. The Incident Commander will play a key role in providing the initial public assessment and taking the first steps to provide the Company's public response. Information in this section includes:

- Guidelines for dealing with the media
- Providing limited information
- Statement (**FIGURE 4-1**)
- Telephone Inquiry Form (**FIGURE 4-2**)
- In-Person Interview Form (**FIGURE 4-3**)
- Media Briefing Template (**FIGURE 4-4**)

#### GUIDELINES FOR DEALING WITH THE MEDIA

##### Media Statement

## CHOICE OF WORDS DURING PHONE CALL FOR NON-SPOKESPERSONS

**If you are not an authorized spokesperson or the right person to respond, say:**

- A. "I'd be glad to help you. I'll connect you with \_\_\_\_\_ (give name), who is our \_\_\_\_\_ (give title)."

**Stay on the phone; contact an alternate spokesperson if the primary spokesperson is not available. If the caller persists in wanting you to comment:**

- B. "We want to make sure everyone is given equal access to the same spokesperson, so you get the most accurate and current information we have available."

**If spokesperson is not in office, offer to page them:**

- C. "Let me write down your name and media outlet/agency. I'll page one of our spokespersons, and ask they call you back as soon as possible. What's your telephone number? fax number? What's your e-mail address? deadline?"

Offer to e-mail/fax the latest news release when available.

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## PROVIDING LIMITED INFORMATION

**If you are authorized to provide limited information:**

1. Identify your name and job title
2. Document the inquiry and obtain contact information
3. Confirm if incident involves your company
4. Confirm if incident is still underway
5. Read latest available News Release
6. Document and refer questions to authorized person
7. Offer to e-mail/fax statement and directions to JIC
8. Advise caller how to obtain more information:
  - Offer to page authorized Spokesperson
  - Offer to e-mail/fax next News Release
  - Offer to provide Information Kit materials
  - Provide your company's website

**Linden**

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**FIGURE 4-1 - STATEMENT # \_\_\_\_: FACILITY INCIDENT**

About \_\_\_\_\_, a/an \_\_\_\_\_ was reported at \_\_\_\_\_,  
 (time (a.m./p.m.)) (type of incident) (company's facility name)  
 located at \_\_\_\_\_. An estimated \_\_\_\_\_ of \_\_\_\_\_ were  
 (address and city) (quantity range) (name of product)  
 accidentally released from \_\_\_\_\_. This product is \_\_\_\_\_ and is  
 (source of release) (physical properties)  
 \_\_\_\_\_. \_\_\_\_\_ is used to make \_\_\_\_\_.  
 (level of toxicity or flammability) (product) (common end-use products)

The cause of the incident is under investigation.

Our emergency response plan has been activated, appropriate agencies have been notified, and the following resources have been mobilized and are on the scene:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(fill in specific **details and numbers** from Incident Commander)

At this time, the release:

- Has been stopped/isolated; the incident is under control, and cleanup is underway.
- Continues, but is confined to the immediate area; no additional impact is expected.
- Continues, but will be stopped (or contained) as quickly and safely as possible.

We are accounting for all persons who were in the area at the time of the incident:

- That process is currently underway. Everyone should be accounted for shortly.
- At this time, we have no report of any deaths or serious injuries at the scene.
- We regret to report that \_\_\_\_ (deaths/injuries) have been confirmed.

Those individuals have been transported to \_\_\_\_\_ Hospital which is in the process of notifying family members.

Based on present winds from the \_\_\_\_\_ at \_\_\_\_\_ mph, this incident poses:

- No threat to the surrounding community.
- Some threat to the surrounding community due to \_\_\_\_\_.  
 (fire, smoke, toxic fumes, etc.)

As a safety precaution, we have recommended to local authorities that all persons within \_\_\_\_\_ miles  
 (distance)  
 of the incident \_\_\_\_\_. This means persons between \_\_\_\_\_  
 (evacuate or shelter-in-place) (describe N, S, E, W boundaries)  
 should \_\_\_\_\_.  
 (describe evacuation or shelter-in-place procedures)

CITGO has recommended to local law enforcement that the following roads be closed to all traffic except emergency vehicles:

\_\_\_\_\_  
 \_\_\_\_\_

We regret the inconvenience to our industrial or community neighbors, but our top priority right now is to protect the safety of our employees, responders, and the public.

Please call \_\_\_\_\_ or tune to your local radio/TV stations for more information.

**Linden**

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## FIGURE 4-2 - TELEPHONE INQUIRY FORM

### 1. INTRODUCE YOURSELF & GET THE CALLER'S CONTACT INFORMATION:

“My name is \_\_\_\_\_. I am the \_\_\_\_\_ for CITGO Petroleum Corp.

(information officer or \_\_\_)

And you are?”

Reporter: \_\_\_\_\_

Media  
Outlet: \_\_\_\_\_

Location: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_ Deadline: \_\_\_\_\_ am/pm

### 2. DEFINE YOUR TIMEFRAME & READ PRE-APPROVED STATEMENT:

“I only have \_\_\_ minutes now. Let me tell you what information we've confirmed, then I'll take a few questions. Would you like to record this interview? I will be taping our conversation.”

*(You really should record the interview, also.)*

*(Read statement here; it should include a brief incident summary, limited to response actions, personnel status, public impact, and protective actions required).*

### 3. INTERRUPTIONS:

*If reporter interrupts, say:*

“Please hold your questions. My statement should answer your questions. The more you interrupt, the less time I'll have for your questions.”

### 4. DEFINE GUIDELINES FOR, TAKE QUESTIONS, AND PROVIDE ANSWERS (if appropriate):

“I have time for 3 or 4 questions before I must get back to the Command Post.”

(Count down the questions in reverse order:)

**RECORD** Reporter's Question/Your Answer:

4.Q: \_\_\_\_\_

A: \_\_\_\_\_

3.Q: \_\_\_\_\_

A: \_\_\_\_\_

2.Q: \_\_\_\_\_

A: \_\_\_\_\_

1.Q: \_\_\_\_\_

A: \_\_\_\_\_

**5. CLOSE:**

“That’s all the time I have available right now. I’ll e-mail or fax you our next news release and let you know if we schedule a news conference. Thank you and goodbye!”  
(hang up)

**Linden**

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**FIGURE 4-3 - IN-PERSON INTERVIEW FORM**

**1. INTRODUCE YOURSELF:**

Good morning/afternoon/evening! My name is \_\_\_\_\_ (spell if needed) and I am the Information Officer for CITGO Petroleum.  
*If available, pass out your business card.*

**2. DEFINE YOUR TIMEFRAME AND GROUNDRULES:**

I have only \_\_\_\_ minutes available right now. I have more information for you and want to be able to take and answer some of your questions. *(If appropriate)* A “camera throw line” has been established so you can obtain a good visual and clear audio, so I ask you to remain behind this line. If you have a pager or cell phone, please turn it off or to silent mode so it will not disturb our time. Thank you!

**3. READ APPROVED STATEMENT (separate from):**

*(Make eye contact with each reporter for 10 seconds) If you are interrupted during your*

*statement, say:* Please hold your questions. My statement should answer most of your questions. The more you interrupt me, the less time I'll have later for your questions.

**4. CLOSE WITH A 20-SECOND SUMMARY OF YOUR TOP 3 KEY MESSAGES**  
(*Might want to move this portion to the end, after 6 below depending on the incident, situation to be able to refocus attention*)

Let me summarize with these three key points for your listeners/viewers/readers:

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

**5. DEFINE GUIDELINES FOR QUESTIONS:**

I have about \_\_\_\_\_ minutes left for \_\_\_\_\_ questions **or:** time for 3 questions from each of you.

*If you are speaking to multiple reporters, say:*

I'll start with the reporter of my far left, and then move to the right. Please limit yourself to one question per round.

**6. COUNT DOWN REMAINING QUESTIONS:**

I have time for 2 more questions. **Then:** One last question!

**7. PROMISE TO RETURN:**

That's all the time I have available right now. I need to return to our response activities. (**If appropriate**) The next briefing will be scheduled at \_\_\_\_\_ (time/place).

**LEAVE - WALK AWAY**

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**FIGURE 4-4 - MEDIA BRIEFING TEMPLATE**

**INTRODUCE YOURSELF:**

"My name is \_\_\_\_\_ (spell), and I am the \_\_\_\_\_ for CITGO Petroleum Corporation With me are: \_\_\_\_\_.

**GROUND RULES:**

We only have \_\_\_\_\_ minutes available right now to brief you on the current situation, and then we'll take questions in the time remaining. Please hold your questions until after the opening statement(s). Background information (and any previous news releases) are available on the back table. If you have a pager or cell phone, please turn it off or to a silent mode, so it won't disrupt the briefing. Thank you!

**OPENING STATEMENT:**

1. What happened? When? Where? (Give map orientation, then show on map)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Deal first with bad news (deaths, injuries, damage, community or environmental impact):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The patient(s) are being treated at \_\_\_\_\_ Hospital which may release more information after family members are notified.

3. Express empathy and explain how you are helping those affected:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

A telephone hotline is now open at (\_\_\_\_) \_\_\_\_-\_\_\_\_\_ to report any damage or request any special assistance.

4. Explain any hazard(s), health risks, symptoms, or dangers to the area or the public:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Any nearby at-risk locations? Explain what protective actions are in effect (if any):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FIGURE 4-4 - MEDIA BRIEFING TEMPLATE, CONTINUED**

6. As a safety precaution, the following roads/streets have been closed by authorities:

\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_

As alternate routes, motorists should use \_\_\_\_\_

7. Is incident contained or under control? Explain status and actions taken:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Thank any mutual aid responders or other outside assistance provided:

---



---



---

9. Any good news to report?

---



---



---

10. Cause of the incident is under investigation; no damage estimates are available yet.

Our top priorities are (or have been):

- A. To protect the safety of our employees, responders, and the public,
- B. To minimize any impact on the public or environment,
- C. To bring the incident under control as quickly and safely as possible.

11. Let me summarize the situation again: (3 Key Messages)

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_

**Linden**

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#### **FIGURE 4-4 - MEDIA BRIEFING TEMPLATE, CONTINUED**

##### **GROUND RULES:**

“We have about \_\_\_\_ minutes left for questions. To make sure everyone has an equal opportunity to ask questions, please state one question at a time. I’ll start with this reporter to my far left.” (Record questions or have an assistant take them down, include answers given. Refer technical/detailed questions to appropriate panel members)

##### **CLOSING STATEMENT:**

“We have time for just two more questions.” **THEN** “One last question.”

“We need to leave now to return to our response effort, and find out answers to the other questions that you asked. The next media briefing is scheduled at \_\_\_\_\_ in \_\_\_\_\_. In the meantime, my assistant \_\_\_\_\_ will remain here to write down any additional questions or special interview requests. Please let us know of any deadlines you are facing, or any other needs you may have. Thank you very much!” (**depart quickly** from a separate exit door at opposite end of room from media)

**Linden**

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## **5.0 RESOURCES**

#### **FIGURE 5-1 - RESPONSE TEAM ORGANIZATION CHART\***

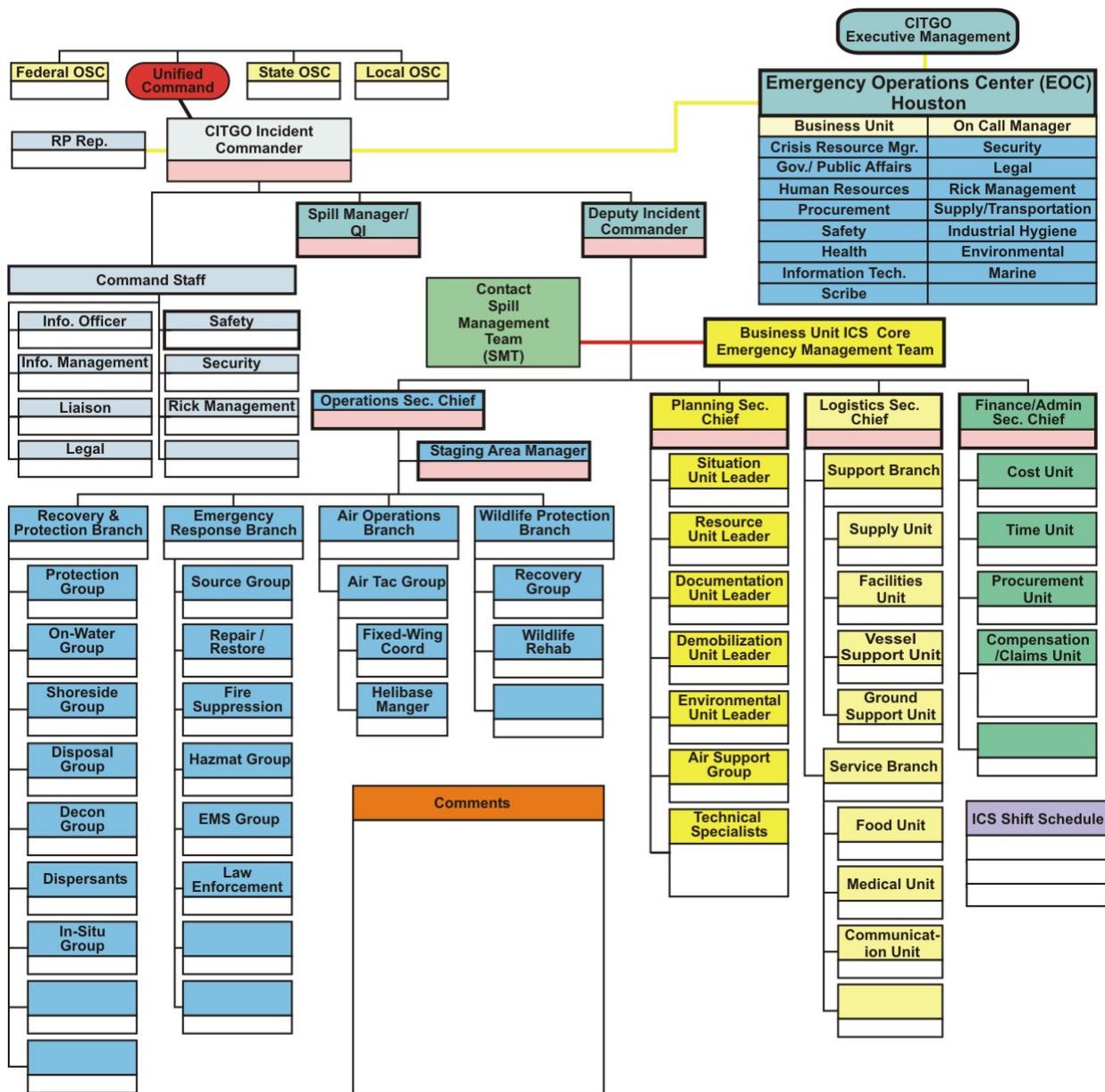


FIGURE 5-2 - FACILITY EQUIPMENT\*

CATEGORY	TYPE/MODEL	QUANTITY	SIZE	YEAR PURCHASED	OPERATIONAL STATUS	LOCATION AT FACILITY
Facility						
Response Equipment	Sorbent Pads	20 bales	N/A		Operational	Warehouse
Response Equipment	Sorbent Boom	250 ft	N/A		Operational	Warehouse
Response Equipment	Containment Boom	2,000 ft	N/A		Operational	Dock Area

\***Note:** Response equipment is tested and deployed as described in **APPENDIX A** of the Spill Response Plan.

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**FIGURE 5-3 - REGIONAL COMPANY AND RESPONSE CONTRACTOR'S EQUIPMENT LIST / RESPONSE TIME**

\*USCG Classified OSRO for facility

COMPANY/CONTRACTOR	EQUIPMENT	RESPONSE TIME
Auchter Industrial Vac Service, Inc. Linden, NJ	Vac Truck	1 hours
Miller Marine Linden, NJ	Full response capabilities	1 hours
*MSRC OSRO Star Partners Equipment Lists For Spill Response Herndon, VA	Full Response Capabilities per U.S. Coast Guard Classification	1 hours
*Clean Harbors Cooperative L.L.C. Linden, New Jersey	Full response capabilities	1 hours
*Clean Harbors Environmental Edison, NJ	Full response capabilities	1 hours
*MSRC - Marine Spill Response Corporation Herndon, VA	Full Response Capabilities per U.S. Coast Guard Classification	2 hours

**Note:** Response equipment is tested and deployed as described in **APPENDIX A** of the Spill Response Plan.

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**FIGURE 5-3 - REGIONAL COMPANY AND RESPONSE CONTRACTOR'S EQUIPMENT LIST / RESPONSE TIME, CONTINUED**

**Evidence of Contracts and Equipment Lists**

- **Auchter Industrial Vac Service, Inc., Linden,NJ**
- **Auchter Industrial Vac Service, Inc. - Cascade Equipment List**
- Clean Harbors Cooperative L.L.C., Linden,New Jersey
- **Clean Harbors Environmental, Edison,NJ**
- **Clean Harbors Environmental - Cascade Equipment List**
- **Miller Marine, Linden,NJ**
- **Miller Marine - Cascade Equipment List**
- **MSRC - Marine Spill Response Corporation, Herndon,VA**
- **MSRC - Marine Spill Response Corporation - Cascade Equipment List**
- **MSRC OSRO Star Partners Equipment Lists For Spill Response , Herndon,VA**

**Linden****ERAP Page - 47****FIGURE 5-4 - EPA REQUIRED RESPONSE EQUIPMENT TESTING AND DEPLOYMENT DRILL LOG**

Other versions of this form may be used. Refer to **APPENDIX H** of the Spill Response Plan for completed forms.

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	
Deployment frequency	
OSRO Certification (if applicable)	

Item:	Date of Last Update:
<b>ACTIVITY</b>	<b>INFORMATION</b>
Last inspection or response equipment test date	
Inspection frequency	
Last deployment drill date	

Deployment frequency	
OSRO Certification (if applicable)	

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**6.0 PLOT PLANS / TANK TABLE****FIGURE 6-1 - FACILITY SITE PLAN**[Click here to view site plan.](#)**Linden**

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**FIGURE 6-2 - DRAINAGE DIAGRAM**[\(Click here for Drainage Diagram\)](#)**Linden**

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**FIGURE 6-3 - EVACUATION DIAGRAM**[\(Click here for Evacuation Diagram\)](#)**Linden**

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**FIGURE 6-4 - TANK TABLE**

Container/ Source	Major Type of Failure	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/ Installed	Quantity Stored (gal)	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>							
40	-	(b) (7)(F), (b) (3)	CRIFRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Ethanol
41	-	(b) (7)(F), (b) (3)	CRIFRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Ethanol
44	-	(b) (7)(F), (b) (3)	CRIFRW	1959	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
46	-	(b) (7)(F), (b) (3)	CRRIFR	1928	(b) (7)(F), (b) (3)	East / Instantaneous	Ethanol
49	-	(b) (7)(F), (b) (3)	CRIFRW	1956	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
50	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline
51	-	(b) (7)(F), (b) (3)	CRIFRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Ethanol
52	-	(b) (7)(F), (b) (3)	CRIFRW	1957	(b) (7)(F), (b) (3)	East / Instantaneous	Ultra Low Sulfur

53	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1994	(b) (7)(F), (b) (3)	East / Instantaneous	Diesel Gasoline/ Distillates
55	Leak/ Rupture	(b) (7)(F), (b) (3)	CRRIFR	1928	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
56	Leak/ Rupture	(b) (7)(F), (b) (3)	CRRIFR	1927	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
57	-	(b) (7)(F), (b) (3)	CRIFRW	1954	(b) (7)(F), (b) (3)	East / Instantaneous	Ethanol
58	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1958	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
59	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1955	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
60	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1958	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
62	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFRW	1955	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, DW=Double Wall, EFR=External Floating Roof, FG=Fiberglass, GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

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FIGURE 6-4 - TANK TABLE , CONT

Container/ Source	Major Type of Failure	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/ Installed	(b) (7)(F), (b) (3)	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>							
63	Leak/ Rupture	(b) (7)(F), (b) (3)	CRW	1955	(b) (7)(F), (b) (3)	East / Instantaneous	Distillate
500	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFW	1995	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
501	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFW	1996	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
502	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFW	1996	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
504	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFW	1994	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
505	Leak/ Rupture	(b) (7)(F), (b) (3)	CRIFW	1995	(b) (7)(F), (b) (3)	East / Instantaneous	Gasoline/ Distillates
506	Leak/ Rupture	(b) (7)(F), (b) (3)	RC	1928	(b) (7)(F), (b) (3)	East / Instantaneous	Turbine
507	Leak/ Rupture	(b) (7)(F), (b) (3)	CRRIF	1928	(b) (7)(F), (b) (3)	East /	Gasoline/

	Rupture	(b) (7)(F), (b) (3)			(b) (7)(F), (b) (3)	Instantaneous	MTBE
508	Leak/ Rupture		RC	1928		East / Instantaneous	Turbine
509	-		CRIFW	1949		East / Instantaneous	Gasoline/ Distillates
521	Leak/ Rupture		CRW	1949		East / Instantaneous	Turbine
522	Leak/ Rupture		CRIFW	1949		East / Instantaneous	Gasoline
523	Leak/ Rupture		CRIFW	1949		East / Instantaneous	Gasoline/ Distillates
524	-		CRW	1949		East / Instantaneous	Distillate
525	-		CRW	1950		East / Instantaneous	Distillate
526	-		CRW	1950		East / Instantaneous	Distillate

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, DW=Double Wall, EFR=External Floating Roof, FG=Fiberglass, GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

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FIGURE 6-4 - TANK TABLE , CONTINUED

Container/ Source	Major Type of Failure	(b) (7)(F), (b) (3)	Tank Type	Year Constructed/ Installed	(b) (7)(F), (b) (3)	Direction of Flow/Rate (See Plot Plan)	Product Stored
<b>ABOVEGROUND</b>							
527	-		CRIFW	1950		East / Instantaneous	Gasoline/ Distillates
528	-		CRW	1954		East / Instantaneous	Distillate
529	-		CRW	1954		East / Instantaneous	Distillate
530	-		CRW	1954		East / Instantaneous	Gasoline/ Distillates
531	Leak/ Rupture		CRW	1954		East / Instantaneous	Gasoline
532	Leak/ Rupture		CRW	1974		East / Instantaneous	Gasoline
533	Leak/ Rupture		CRW	1974		East / Instantaneous	Gasoline
<b>Facility Total:</b>		(b) (7)(F), (b) (3)					

**Containment Type:** 1=Earthen Berm and Floor, 2=Concrete Berm and Floor, 3=Earthen Berm and Concrete Floor, 4=Metal Berm and Floor, 5=Portable Containment or Inside Building, 6=Double Walled, 7=Coated Asphalt Materials, \* Not in Containment Area, \*\* Curbing and containment system

**Tank / Roof Type:** C=Cylinder, CR=Cone Roof, DW=Double Wall, EFR=External Floating Roof, FG=Fiberglass, GD=Geodesic Dome, H=Horizontal, HSM=Horizontal Skid Mounted, IF=Internal Floater, OOS=Out of Service, OT=Open Top, R=Riveted, S=Steel, SM=Skid Mounted, V=Vertical, W=Welded

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## 7.0 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	New Jersey
Chaffseed, American	<i>Schwalbea americana</i>	Acidic, sandy or peaty soils in open pine flatwoods	E	New Jersey
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	Clear offshore waters off the mainland and on island shelves	E	New Jersey
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	Shallow areas with sandy and muddy bottoms	E	New Jersey
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	Warm sands of tropical beaches	E	New Jersey
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	Rivers, estuaries, and the sea	E	New Jersey
Tern, roseate northeast U.S. nesting pop.	<i>Sterna dougallii dougallii</i>	Coastal islands and beaches	E	New Jersey
Wedgemussel, dwarf	<i>Alasmidonta heterodon</i>	Slow moving, sandy rivers	E	New Jersey
Whale, finback	<i>Balaenoptera physalus</i>	Offshore ocean waters	E	New Jersey
Whale, humpback	<i>Megaptera novaeangliae</i>	Surface of the ocean	E	New Jersey
Whale, right	<i>Balaena glacialis (incl. australis)</i>	Surface of the ocean	E	New Jersey
Amaranth, seabeach	<i>Amaranthus pumilus</i>	Dunes, overwash fans and other areas of bare sand	T	New Jersey
Beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	Slow-moving streams in the New Jersey Pinelands region	T	New Jersey
Joint-vetch, sensitive	<i>Aeschynomene virginica</i>	Freshwater to slightly brackish tidal marshes	T	New Jersey

Pink, swamp	<i>Helonias bullata</i>	Acidic wetlands	T	New Jersey
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	New Jersey
Pogonia, small whorled	<i>Isotria medeoloides</i>	Cidic soils, in dry to mesic second-growth	T	New Jersey
Sea turtle, green except where endangered	<i>Chelonia mydas</i>	Coasts, open sea	T	New Jersey

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## 7.0 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Sea turtle, loggerhead	<i>Caretta caretta</i>	Estuaries, coastal streams and salt marshes	T	New Jersey
Tiger beetle, northeastern beach	<i>Cicindela dorsalis dorsalis</i>	Coastal beaches	T	New Jersey
Turtle, bog (=Muhlenberg) northern	<i>Clemmys muhlenbergii</i>	Calcareous (limestone) fens, sphagnum bogs, and wet, grassy pastures	T	New Jersey
Bat, Indiana	<i>Myotis sodalis</i>	Caves, mines, upland forests	E	New York
Butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	Pine barrens and oak savannas on sandy soils	E	New York
Gerardia, sandplain	<i>Agalinis acuta</i>	Dry, sandy, short grass plains, roadsides, and openings in oak scrub	E	New York
Plover, piping Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	E	New York
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	Clear offshore waters off the mainland and on island shelves	E	New York
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	Sand/duneShallow areas with sandy and muddy bottoms	E	New York
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	Warm sands of tropical beaches	E	New York
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	Rivers, estuaries, and the sea	E	New York
Tern, roseate northeast U.S. nesting pop.	<i>Sterna dougallii dougallii</i>	Coastal islands and beaches	E	New York
Wedgemussel,	<i>Alasmidonta</i>			

dwarf	<i>heterodon</i>	Slow moving, sandy rivers	E	New York
Whale, finback	<i>Balaenoptera physalus</i>	Offshore ocean waters	E	New York
Whale, humpback	<i>Megaptera novaeangliae</i>	Surface of the ocean	E	New York
Whale, right	<i>Balaena glacialis (incl. Australis)</i>	Surface of the ocean	E	New York
Amaranth, seabeach	<i>Amaranthus pumilus</i>	Dunes, overwash fans and other areas of bare sand	T	New York
Fern, American hart's-tongue	<i>Asplenium scolopendrium var. americanum</i>	High humidity, deeply shaded conditions near limestone sinks and caves	T	New York

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## 7.0 ENDANGERED AND THREATENED SPECIES BY STATE

COMMON NAME	SCIENTIFIC NAME	HABITAT	STATUS	STATE
Goldenrod, Houghton's	<i>Solidago houghtonii</i>	Sparsely vegetated, moist, sandy, interdunal depressions, beach flats and beach sands	T	New York
Lynx, Canada (Contiguous U.S. DPS)	<i>Lynx canadensis</i>	Mature forests with dense undergrowth	T	New York
Monkshood, northern wild	<i>Aconitum noveboracense</i>	Cold stream beds, mossy banks, cliffs, slopes, and cold woods	T	New York
Plover, piping except Great Lakes watershed	<i>Charadrius melodus</i>	Sandy beaches, islands	T	New York
Roseroot, Leedy's	<i>Sedum integrifolium ssp. leedyi</i>	Cool, wet ground-fed limestone cliffs	T	New York
Sea turtle, green except where endangered	<i>Chelonia mydas</i>	Coasts, open sea	T	New York
Sea turtle, loggerhead	<i>Caretta caretta</i>	Estuaries, coastal streams and salt marshes	T	New York
Snail, Chittenango ovate amber	<i>Succinea chittenangoensis</i>	Wet cliff walls and talus at the base of Chittenango Falls	T	New York
Turtle, bog (=Muhlenberg) northern	<i>Clemmys muhlenbergii</i>	Calcareous (limestone) fens, sphagnum bogs, and wet, grassy pastures	T	New York

## 8.0 VULNERABILITY ANALYSIS (DETAILED)

**VULNERABILITY ANALYSIS (DETAILED)****Water Intakes:**

There are no drinking water intakes noted.

**Schools:**

There are no schools located in the vicinity of the terminal.

**Medical Facilities:**

There are no medical facilities located in the immediate area or within the projected downstream discharge path.

**Residential Areas:**

There are residential areas within close proximity to the Tremley Terminal.

## 8.0 VULNERABILITY ANALYSIS (DETAILED) , CONTINUED

**VULNERABILITY ANALYSIS (DETAILED)****Businesses:**

Several local businesses border the terminal to the north and the west. These are identified on the Contact List located in Annex 2.

**Wetlands or Other Sensitive Environments:**

There are numerous wetland areas along the Arthur Kill and Raritan Bay. These are identified on the Environmental and Economic Protection Strategies Map located in Section 1.2 of this Annex.

**Fish and Wildlife:**

The Arthur Kill and Raritan Bay provides important fish and wildlife habitats. There are several areas considered critical habitat for birds such as Pralls Island and Shooters Island. Some of the more prominent species are listed in SECTION 6.13.

Much of the coastal region is commercially important for several species of shellfish (clams, oysters, and other mollusks) and crustaceans. Environmental damages to salt marshes, intertidal zones, and subtidal habitats within the response area caused by petroleum product and chemical spills could result in severe ecological and economic impacts on these species.

**Lakes and Streams:**

There are no lakes or streams within the planning distance for the terminal. The rivers and creeks are part of the shoreline tidal system.

## 8.0 VULNERABILITY ANALYSIS (DETAILED), CONTINUED

**VULNERABILITY ANALYSIS (DETAILED)****Endangered Flora and Fauna:**

There are no records of any observations of rare or endangered flora or fauna within the planning distance for the Terminal. The above listing of species denotes endangered species with and underlining. These species are noted within the area; however, these are not noted in recorded populations or as having rookeries within the planning distance for the terminal.

**Recreational Areas:**

There are no noted recreational areas within the planning distance for the terminal. There are several boat ramps, marinas and small park areas along the Kill and Raritan Bay.

**Transportation Routes (Air, Water, Land):**

Interstate 95 runs between the two tank farms. In the event of a large discharge, traffic could be affected for a period of time. The Arthur Kill is a high use commercial waterway. A significant discharge that entered the Kill could halt marine traffic. This would have an adverse impact on shipping and possibly refuse collection for New York City. The Arthur Kill is used by trash barges to transport collected trash to the Fresh Kills Landfill.

**Utilities:**

(b) (7)(F), (b) (3)

**Other Applicable Areas:**

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## 9.0 TACTICAL OVERVIEW MAP



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## 10.0 TACTICAL PLAN INDEX

SITE #	SITE NAME
Site 1	<u>Piles Creek</u>
Site 2	<u>Old Place Creek</u>
Site 3	<u>Moreses Creek</u>
Site 4	<u>Pralls Island</u>
Site 5	<u>Neck Creek</u>
Site 6	<u>Rahway River</u>
Site 7	<u>NRG Energy Arthur Kill</u>

Site 8	<a href="#">Island of Meadows</a>
Site 9	<a href="#">Smith Creek</a>
Site 10	<a href="#">Woodbridge Creek</a>
Site 11	<a href="#">Mill Creek</a>
Site 12	<a href="#">Tottenville Marina</a>
Site 13	<a href="#">Raritan River</a>
Site 14	<a href="#">Wolfs Pond Park</a>
Site 15	<a href="#">Lemon Creek</a>

Use the Tactical Plans (**SECTION 11.0**) in conjunction with the Sensitivity Maps (**SECTION 12.0**).

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11.0 TACTICAL PLANS

[\*\*Click here for Site 1 - Piles Creek\*\*](#)

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11.0 TACTICAL PLANS , CONTINUED

[\*\*Click here for Site 2 - Old Place Creek\*\*](#)

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11.0 TACTICAL PLANS , CONTINUED

[\*\*Click here for Site 3 - Moreses Creek\*\*](#)

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11.0 TACTICAL PLANS , CONTINUED

[\*\*Click here for Site 4 - Pralls Island\*\*](#)

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11.0 TACTICAL PLANS , CONTINUED

[\*\*Click here for Site 5 - Neck Creek\*\*](#)

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**[Click here for Site 6 - Rahway River](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 7 - NRG Energy Arthur Kill](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 8 - Island of Meadows](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 9 - Smith Creek](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 10 - Woodbridge Creek](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 11 - Mill Creek](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 12 - Tottenville Marina](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 13 - Raritan River](#)**

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11.0 TACTICAL PLANS , CONTINUED

**[Click here for Site 14 - Wolfs Pond Park](#)**

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11.0 TACTICAL PLANS , CONTINUED

[Click here for Site 15 - Lemon Creek](#)**Linden****ERAP Page - 77**

12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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12.0 TERMINAL / FACILITY SENSITIVITY MAPS

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**12.0 TERMINAL / FACILITY SENSITIVITY MAPS****[Click here for Map 4 of 5](#)****Linden****ERAP Page - 85****RECORD OF CHANGES**

Changes to this Plan will be documented on this page. Plan review and modifications will be initiated and coordinated by the Business Unit Health, Safety, Security & Environmental (HSS&E) in conjunction with the Area Supervisor/Manager of Operations.

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# **LINK FILES**



**CITGO Petroleum Corporation**

**Ship To:**  
Valid for all CITGO locations for the purchasing organization (4000) Corporate Supply, unless the plant is specified on the line items below.

**Contract for Services**  
**4600004047**

**Supplier:**  
AUCHTER INDUSTRIAL  
SERVICE INC  
4801 SOUTH WOOD AVE  
LINDEN NJ 07036



**Date:** 06/08/2004  
**Contact Person:** Bordo, Charles  
**Telephone:** 918-495-5666

**Bill To:**  
P.O.Box 21188  
Tulsa, OK 74102-1188  
**Note:**  
Default Tulsa address unless specified differently on individual PO

**Supplier No:** 800080

**Ship Via:**  
**Terms of Delivery:** F.O.B. Destination, Freight Prepaid & Add  
**Terms of Payment:** Within 30 days Due net

**Valid from:** 06/08/2004  
**Valid to:** 06/07/2007

**Currency:** USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p align="center">Contract No. 4600004047 Service Contract</p> <p>1. THIS CONTRACT IS HEREBY MADE BY AND BETWEEN:</p> <p>A. CITGO Petroleum Corporation Address: P. O. Box 3758 Tulsa, OK 74102</p> <p>hereafter called the "Company" and</p> <p>B. Auchter Industrial Vac Service, Inc. Address: 4801 South Wood Ave. Linden NJ 07036</p> <p>hereafter called the "Contractor".</p>		



# CITGO Petroleum Corporation

Page 2 of 6

Supplier No.: 800080

<b>Contract for Services</b>
------------------------------

<b>4600004047</b>
-------------------

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>The Company and Contractor may be referred to jointly or individually as a "Party".</p> <p>2. SCOPE OF WORK ("Work"):  Contractor shall provide all labor, supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to complete tank cleaning, assist in mechanical services and disposal of hazardous and non-hazardous waste at various Terminal locations, directed by Company personnel, to meet regulatory requirements.</p> <p>The Company may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work. The Contractor may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.</p> <p>Scopes of Work will be assigned by a Work Purchase Order or Work Release, hereinafter called "Purchase Order". Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract. Purchase Orders will be prepared and issued in accordance with terms and conditions of Exhibit "C", Section 9.</p> <p>The Scope of Work will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.</p> <p>3. CONTRACT DOCUMENTS:  These Articles and the following are a</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>complete and exclusive listing of Contract Documents:</p> <ul style="list-style-type: none"> <li>1) Exhibit A-1 General Terms and Conditions</li> <li>2) Exhibit B-1 Insurance and Indemnity</li> <li>3) Exhibit C Compensation</li> <li>4) Exhibit D Contractor Injury/Illness Report</li> <li>5) Exhibit E Invoice Summary Sheet</li> <li>6) Exhibit F Contractor's Time and Material Rate Sheet</li> </ul> <p>Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein.</p> <p>4. <b>TERM:</b> The term of this Contract shall be effective as of June 8, 2004 through a period of time ending June 7, 2007. The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction. The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided, that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of said notice.</p> <p>5. <b>COMPENSATION:</b> Time and Materials Payment Description: Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit F. attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.</p> <p>6. <b>INVOICES:</b> All invoices for Time and Material Work shall include an Invoice Summary Sheet similar to that set forth in Exhibit "E" hereof. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction.</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>Invoices shall be submitted to the following address:</p> <p><b>INVOICES TO THE COMPANY:</b> As indicated on individual release orders</p> <p><b>7. AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:</b></p> <p>1) Company Authorized Representative or Project Manager: Contractor Authorized Representative: Supervisor</p> <p><b>8. NOTICES:</b> All Notices or other communications required or permitted by this Contract will be sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:</p> <p><b>TO THE COMPANY AS FOLLOWS:</b> To the Purchasing Department CITGO Petroleum Corporation P. O. Box 3758 Tulsa, OK 74102-3758 Attn: Charles Bordo</p> <p><b>TO THE CONTRACTOR AS FOLLOWS:</b> Auchter Industrial Vac Service, Inc. 4801 South Wood Ave. Linden, NJ 07036</p> <p>or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).</p> <p><b>9. REPORTING REQUIREMENTS:</b> Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>OSHA guidelines.</p> <p><b>10. SPECIAL TERMS AND CONDITIONS:</b>                      (a) Effective September 1, 1997, for services provided within the boundaries of the State of Louisiana and for services that are subject to Louisiana Law, Contractor agrees and recognizes that the Company shall be statutory Employer of all Contractor personnel assigned to provide Services under this agreement or to administration of the Services provided under this Agreement in accordance with the requirements of Louisiana Revised Statutes R. S. 1061A (3).</p> <p><b>ACCEPTED AND AGREED BY:</b>                      "Contractor"</p> <p>Auchter Industrial Vac Service, Inc.  <i>Brian C Auchter</i>                      (Signature)                      Name: <u>Brian C Auchter</u>                      Title: <u>President</u>                      Date: <u>6/15/04</u></p> <p>"Company"                      CITGO PETROLEUM CORPORATION  <i>Charles Bordo</i>                      (Signature)                      Name: Charles Bordo                      Title: Field Purchasing Agent                      Date: June 8, 2004</p>		



**AUCHTER INDUSTRIAL VAC. VEHICLE LIST**

#	YR	TYPE	MAKE	SERIAL #	PLATE	CAP
1	90	STR TNK	MACK	1M2AA05Y2LW001213	<del>AB820H</del>	3200 XG153L
2	05	STR TNK	PETE	2NPLLZ9X45M865422	AJ804E	3200
3	94	STR TNK	PETE	1XPFD9X6RN347650	AB820H	3200
4	95	STR TNK	INTL	1HSHCAHRXSH620935	X19V74	3000
5	95	STR TNK	INTL	1HSHCAHR6SH620933	X19V73	3200
6	05	STR TNK	PETE	2NPLLZ9X65M865423	AJ811E	3200
7	94	STR TNK	PETE	1XPFD9X8RN347651	<del>AC866C</del>	3000 XG152L
8	05	STR TNK	PETE	2NPLLZ9X85M864424	AJ812E	3200
9	95	STR TNK	INTL	1HSHCAHR1SH620919	X19V71	3200
10	95	STR TNK	INTL	1HSHCAHR1SH620922	X6125J	3200
11	86	STR TNK	INTL	1HTZPJMR5GHA41209	X79T32	3000
12	90	STR TNK	FRTLIN	1FUUYDECB5LP380765	<del>AE11E</del>	3000 XG154L
16	99	CUSCO	STERLING	2FZXKEDB6XAA33378	X79R31	
17	96	CUSCO	FORD	1FDZY90T3TVA22043	X64T61	3000
20	98	RL-OFF	PETE	1NPALAOX4WN462290	AE876X	
21	00	RL-OFF	MACK	1M2P267C9YM051007	AE997H	
22	88	STR TNK	MACK	1M2N274Y2JW005221	X6126J	3000-OLD# 2
26	86	STR VAN	INTL	1HTLKTVR0GHA52021	AB830H	
27	02	STR VAN	INTL	1HTMMAAN82H530780	AG604R	
28	85	STR TNK	MACK	1M2P137C5FA013239	X19V72	3200 - OLD# 8
29	87	STR TNK	FORD	1FDYW90L5HVA32727	X87A31	3200-OLD# 6
102	94	TRACTOR	MACK	1M2AA13Y3RW042001	AB821H	
103	99	TRACTOR	VLVO	4VG7DEJH8XN758676	AE827Y	
104	99	TRACTOR	VLVO	4VG7DEJHXN758677	AE826Y	
105	03	TRACTOR	VLVO	4V4NC9GH23N338914	AH604L	
108	92	TRACTOR	MACK	1M2AA13Y4NW016601	AD922C	
110	90	TRACTOR	MACK	1M2AA13Y4LW007328	AB825H	
112	90	TRACTOR	MACK	1M2AA06Y6LW001200	AB827H	
113	90	TRACTOR	MACK	1M2AA13Y7LW007324	AD923C	
114	93	TRACTOR	MACK	1M2AA13YXPW024141	AD634K	
115	94	TRACTOR	MACK	1M1AA13Y4RW044876	AC619E	
214	04	VAC TRL (S/S)	PRES	2P9S2528141005002	TAR89J	6000
215	04	VAC TRL (S/S)	PRES	2P9S2528341005003	TAR90J	6000
216	04	VAC TRL (S/S)	PRES	2P9S2528541005004	TBD62U	6000
217	98	VAC TRL (S/S)	ACRO	1A9114221J1005098	T38PIX	6000
218	82	VAC TRL (S/S)	POLR	1PMS4412XC1006032	T792WP	5000
219	82	VAC TRL	PRES	PVT546011812057	T308UF	5460
220	74	VAC TRL	THOM	TTM946	T829GG	6300
221	74	VAC TRL	THOM	TTM944	494TTK	5000
222	83	VAC TRL	FRUE	1H4T04424DL002305	T793WP	5450
223	85	VAC TRL	CUSC	2C9T04223FC005353	XD879Y	5450
224	85	VAC TRL	CUSC	2C9T04223FC005352	T786WP	5450
N226	05	VAC TRL (ALUM)	HEIL	5HTDA452255E21114	TAR63M	6300
N227	05	VAC TRL (ALUM)	HEIL	5HTDA452455E21115	TAR62M	6300
N228	05	VAC TRL (ALUM)	HEIL	5THDA452655E21116	TAR64M	6300
230	82	VAC TRL	PRES	2P9S15281C1005017	T788WP	5000
233	79	VACTRL (SS)	POLR	POL439179	TIP155	5000

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Add'l

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3200 - OLD# 8  
3200-OLD# 6

\* N = NEW

#	YR	TYPE	MAKE	SERIAL #	PLATE	CAP
313	00	TNK TRL	NOVA	1N9S74323YA044037	TAR43H	7000
314	00	TNK TRL	NOVA	1N9S74323YA044040	TAR42H	7000
315	00	TNK TRL	NOVA	1N9S74323YA044041	TAR44H	7000
316	77	TNK TRL	FRUE	UNY561507	T68J6E	6500
317	77	TNK TRL	FRUE	UNY574312	T69J6E	6700
318	79	TNK TRL	KAR	CTK7744	T72J6E	6700
319	79	TNK TRL	KAR	CTK7745	T71J6E	6700
320	82	TNK TRL	KAR	1DESSC929CM008733	T91J6E	6800
321	83	TNK TRL	POLR	1PMS34128D1006311	T787WP	6250
334	74	TNK TRL	FRUE	2UNR475510	T1B365	7000
335	73	TNK TRL	HEIL	38866452	T95B9M	9500
400	80	VAN TRL(LIFT)	TRAIL	2V35521	T262NZ	96"x40'
401	63	VAN TRL(LIFT)	FRUE	1AVD856108	T790WP	96"x40'
402	90	VAN TRL(LIFT)	MON	INNVA4224LM147672	T22M9L	96"x42'
403	79	VAN TRL(LIFT)	GRE	B14537	T62T1P	96"x40'
404	85	VAN TRL	GRT	1GRAA9025FS139101	T785WP	96"x45'
405	85	VAN TRL	GRT	1GRAA9029FS139201	T789WP	96"x45'
407	92	TRALMOB.		1PT011AHXN9012425	T61T1P	96"x48'
408	92	TRALMOB.		1PT011AH5N9012428	T22H6M	96"x48'
500	63	DEAD CHAS	HEIL	912567	T791WP	
501	68	TRL	DEM	2DT50128	T7J445	
502	81	TRL	EAG	3 32TC8004S	T80C7L	
503	93	ROLLOFF	AMER	1A9RT4437PT200029	T11P1Y	
AC-1		AIR COMPRESSOR	INGE	288281	T83Y8K	
AC-2		AIR COMPRESSOR	INGE	289946	T82Y8K	
UT-1	95	UTILITY TRL	WC	1WC200F2XS3033216	T91B9L	
UT-2	87	UTILITY TRL	SHOP		T2509	
UT-3	04	UTILITY TRL	KRISTI	4DKUS172145003695	T62Y8G	
UT-4	04	UTILITY TRL	KRISTI	4DKUS17254S003988	T61Z7D	
U1	89	JIMMY	GMC	1GKEV18K3KF502346	EMX80A	SHOP
U2	95	CRWCAB	GMC	1GDGC33K8SF002756	X64R67	BRC
U3	03	F-250	FORD	1FTNW21P53ED77300	XC682L	BRIAN
U4	94	JIMMY	GMC	1GKDT13W2R0519728	FH263E	ARCHIE
U5	99	F-350	FORD	1FTWW33F2XEB09650	X3276R	CREW
U6	92	RACK(LIFT)	GMC	1GTHC33N5NJ710385	X64R66	BRC
U7	94	SAFARI	GMC	1GKDM19Z1RB513373	UT232A	RON
U8	04	P/U-SIERRA	GMC	1GTHC23204F228716	RJD81C	KEITH
U9	94	AEROSTAR	FORD	1FMDA41X1RZA47575	ZY510X	SHOP
U10	87	P/U	NISN	JN6ND11S4HW026929	FW925T	SHOP
U12	99	P/U	GMC	1GTEC19T7XE553287	X90J70	TAWN
U13	05	SIERRA	GMC	1GTEK19T85E178512	XD221V	JACK
	95	YUKON	GMC	31247	GW806H	BRIAN
<b>REVISED MARCH 7, 2005</b>						
<b>OLD VEHICLES STILL OWN BY AUCHTER</b>						
2	88	STR TNK	MACK	1M2N274Y2JW005221	X6126J	3000
6	87	STR TNK	FORD	1FDYW90L5HVA32727	X87A31	3200
8	85	STR TNK	MACK	1M2P137C5FA013239	X19V72	3200

.92 BRONCO - X4155L

## CITGO Petroleum Corporation

Outline Agreement # 4600005269

1. **THIS CONTRACT** is hereby made between CITGO Petroleum Corporation and CITGO Pipeline Corporation, whose address is, 1293 Eldridge Parkway, Houston, TX, 77077, hereafter called the "Company" and Clean Harbors Environmental, hereafter called the "Contractor".

The Company and Contractor may be referred to jointly or individually as a "Party".

2. **SCOPE OF WORK** ("Work"): Contractor shall provide all labor, supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to perform and complete waste removal, booming, tank cleaning and other miscellaneous projects as directed by 'Company' personnel, on an as-needed, non-exclusive basis.

**The Company** may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work.

**The Contractor** may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.

**Scopes of Work** will be assigned by a Work Purchase Order or Work Release, hereinafter called Purchase Order. Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract.

**The Scope of Work** will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.

### 3. **CONTRACT DOCUMENTS:**

These Articles and the following are a complete and exclusive listing of Contract Documents:

- 1) Exhibit A-1 General Terms and Condition
- 2) Exhibit B-1 Insurance and Indemnity
- 3) Exhibit C Compensation
- 4) Exhibit D Contractor Injury/Illness Report

5) Exhibit E Contractor's Rate Sheet

All above Contract Documents, with the exception of Exhibit 'E', will be referenced to existing Outline Agreement 4600004397, created and executed by Perry Fonseca/Lemont, IL Refinery.

Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein. This Contract Document supercedes any previous Contract Document between Company and Contractor.

4. **TERM:**

The term of this Contract shall be effective as of April 15, 2006, (or receipt of signed contract at the CITGO Corporate office), through a period of time ending April 30, 2011.

The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction.

The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.

Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of said notice.

5. **COMPENSATION:**

Time and Materials Payment Description: Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit E, attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.

**6. INVOICES:**

All invoices for Time and Material Work shall include an Invoice Summary Sheet. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction. Invoices should be mailed to the Pipeline location indicated on each individual release order. Invoices **must** reference either the CITGO Purchase Order number or the OA number above in order to be processed for payment.

**7. AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:**

1) Company Authorized Representative or Project Manager: Rick Sittig/Houston Pipeline location, or other CITGO personnel requesting work by Contractor from other locations.

Contractor Authorized Representative: James G. Vogt

**8. NOTICES:**

All Notices or other communications required or permitted by this Contract will be sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:

**TO THE COMPANY AS FOLLOWS:**

CITGO Petroleum Corporation  
1293 Eldridge Parkway  
Houston, TX 77210  
Attn: Ruth Simmons 4080 North  
Phone: 832-486-5304

**TO THE CONTRACTOR AS FOLLOWS:**

Clean Harbors Environmental  
351 West St Louis Street  
Nashville, IL 62263  
Phone: 618-267-4922  
Fax: 618-327-9434  
e-mail: vogt.james@cleanharbors.com

or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).

**9. REPORTING REQUIREMENTS:**

Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by OSHA guidelines.

ACCEPTED AND AGREED BY:

"Contractor"

**Clean Harbors Environmental**

By: Will F Connors

Name: William F. Connors

Title: Vice President

Date: 6/28/06

"Company"

**CITGO Petroleum Corporation**

By: [Signature]

Name: Ruth Simmons

Title: Terminal & Pipeline Senior Buyer

Date: 4-5-06

SIGN & KEEP THIS  
COPY



January 24, 2007

Amendment to #4600005269

The aforesaid agreement executed between the parties is hereby amended to include Emergency Services Rider.

All other terms and conditions of said Environmental Services and Waste Disposal Agreement shall remain in full force and effect.

Citgo, Inc.

Clean Harbors Environmental Services, Inc.

Name CHARLES BORDO  
Title BUYING AGENT  
Date 1/30/07

Name William F. Connors  
Title Vice President  
Date January 25, 2007



## EMERGENCY RESPONSE SERVICES RIDER

### Emergency Response Rider

The parties hereto acknowledge that under State and Federal Law, Clean Harbors ("Contractor") is accorded certain protections when it responds to spills and discharges of oil or other hazardous materials ("Responder Immunity"). In a response, rapid and decisive action is necessary to contain a spill. In almost all actions, responders must initiate a response with no prior notice based on very limited information. Without Responder Immunity, the enormous financial and liability exposures associated with emergency response would make the business of responding to spills impracticable. Accordingly, the parties execute this Rider with the intent of preserving Contractor's' statutorily conferred protections to the greatest extent possible.

#### 1. SCOPE OF EMERGENCY RESPONSE SERVICES

1.1 Upon execution of this Emergency Response Services Rider ("Rider"), Contractor agrees to provide Emergency Response Services ("Services") for the Company's accidental discharges of oil or other hazardous substances. Services may include, but are not limited to the following: Containment, recovery, repackaging and removal of materials; Site evaluation, decontamination and restoration; Transportation, storage, treatment or disposal of wastes; Technical services, including sampling, laboratory analysis, and other related services; Standby of personnel and equipment in anticipation of imminent activation; and Training and mock spill drill deployments.

#### 2. COMPENSATION

2.1 Company agrees to pay Contractor for Services in accordance with Contractor's Rate Schedule for emergency response work ("Rates") in effect at the time Services are rendered. A current copy of such Rates is attached hereto as Attachment R-1. Company's obligation to pay amounts due pursuant to the Agreement shall not be conditioned upon or limited by the types, amounts or availability of insurance coverage.

2.2 Contractor will present its first invoice to Company as soon as possible following commencement of Services provided hereunder, and may issue subsequent invoices every (5) days thereafter. Company agrees to pay the full amount of each invoice amount within thirty (30) business days of the date of receipt of said invoice by Company's Representative. However, in the event the total billed and unbilled outstanding amounts due exceeds \$50,000("Credit Limit"), Company agrees to pay for work on a within five (5) days of receipt of Contractor's invoice until the outstanding balance falls below the Credit Limit. Company agrees that interest shall accrue and will be paid to Contractor on any unpaid balance, except for amounts disputed in good faith of any invoice after **thirty (30)** business days of receipt of invoice by Company at the rate of one and one half percent (1.5%) per month or the maximum amount allowed by law.

2.3 [reserved]

2.4 In the event that work is suspended or terminated for any reason prior to the completion of the Services, Company agrees to pay for labor, equipment, materials, disposal and other costs incurred by Contractor at the Rates and for reasonable demobilization costs. Company agrees to pay Contractor in accordance with the Rates for any litigation support or testimony requested by Company of Contractor in connection with, or arising out of, the work performed by Contractor hereunder.

#### 3. INDEMNIFICATION

3.1 CONTRACTOR shall indemnify, defend and hold harmless COMPANY, its parent and affiliated companies and their respective directors, officers, employees and agents from and against any and all costs, liabilities, claims, demands and causes of action including, without limitation, bodily injury to or death of any person or destruction of or damage to any property, except natural resource and other damages as defined in Section 3.3, which COMPANY may suffer, incur, or pay out, to the extent such are caused by the negligence or willful misconduct of CONTRACTOR, its agents or employees during the performance of the Agreement or CONTRACTOR'S failure to comply with any laws, regulations or lawful authority, or failure to comply with its obligations under this Agreement; except to the extent such liabilities, claims, demands and causes of action result from (i) COMPANY'S failure to comply with any laws, regulations or other lawful authority; (ii) COMPANY'S failure to



### EMERGENCY RESPONSE SERVICES RIDER

comply with its obligations under the Agreement or (iii) the negligence or willful misconduct of COMPANY, its employees or agents.

- 3.2 COMPANY shall indemnify, defend and hold harmless CONTRACTOR, its parent and affiliated companies and their respective directors, officers, employees and agents from and against any and all costs, liabilities, claims, demands and causes of action including, without limitation, any bodily injury to or death of any person or destruction of or damage to property which CONTRACTOR may suffer, incur, or pay out, to the extent such are caused by the negligence or willful misconduct of COMPANY, its employees or agents or the failure of COMPANY to comply with any laws, regulations or other lawful authority or the failure of COMPANY to comply with its duties or obligations under the Agreement; except to the extent such liabilities, claims, demands and causes of action result from (i) CONTRACTOR'S failure to comply with any laws, regulations or lawful authority; (ii) CONTRACTOR'S failure to comply with its obligations under the Agreement; or (iii) the negligence or willful misconduct of CONTRACTOR, its employees or agents.
- 3.3 Natural resource and other damages as stated in 3.1 above shall be defined as pollution damages; contamination or adverse effects on the environment; destruction of, damage to, or loss of, whether actual or alleged, any property or natural resources, including the cost of assessing the damage; injury to or economic losses resulting from destruction of real or personal property; damages for loss of subsistence use of natural resources; damages equal to the loss of profits or impairment of earning capacity due to the injury, destruction or loss of real property, personal property or natural resources; damages for net costs of providing increased or additional public services; removal costs; and any other costs assessable under the Oil Pollution Act of 1990, the Comprehensive Environmental Response, Compensation and Liability Act or other local, state or Federal law or lawful authority applicable to discharges or releases of oil or hazardous substances which CONTRACTOR, individually or collectively, may suffer, incur, or pay out in connection with, or arising out of, the release of oil or hazardous substances by COMPANY.

THE FOREGOING INDEMNITY SHALL ONLY APPLY TO THOSE CLAIMS, LIABILITIES OR CAUSES OF ACTION ARISING, DURING, OR AS A RESULT OF, EMERGENCY RESPONSE ACTIVITIES. THE INDEMNITY CONTAINED IN THE AGREEMENT SHALL GOVERN THE RIGHTS AND OBLIGATIONS OF THE PARTIES WITH REGARD TO THE TRANSPORTATION OR DISPOSAL OF WASTE MATERIALS BY CONTRACTOR.

#### 4. TERMINATION

- 4.1 Work Orders issued for performance of services under this Rider may be terminated by either party upon ten (10) days prior notice to the other party.

Except as specifically amended herein, all other terms and conditions contained in the AGREEMENT shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this RIDER to be executed by their duly authorized representatives as of the 22<sup>nd</sup> day of January, 2007.

CLEAN HARBORS ENVIRONMENTAL  
SERVICES, INC.

By: Will F. Cowan

Its: Vice President

Date: 1-25-07

COMPANY:

By: [Signature]

Its: PURCHASING AGENT

Date: 1/30/07

	Price-Gulf NE/SE/MW	Price- NE/SE/MW
<b>Field Personnel</b>		
Field Technician	\$47.00	\$50.35
Senior Technician		\$54.63
Foreman	\$55.00	\$58.90
Equipment Operator	\$56.00	\$56.05
Supervisor	\$70.00	\$78.85
Project Manager	\$83.00	\$90.00
Chemist	\$73.00	\$77.90
Lead Chemist	\$85.00	\$101.65
Site Safety Officer	\$80.00	\$90.00
	<b>Price-Gulf</b>	<b>Price-</b>
		<b>NE/SE/MW</b>
<b>Technical Personnel</b>		
Associate Engineer	\$65.00	\$87.40
Designer	\$65.00	\$87.40
Drafter	\$58.00	\$78.85
Electrician	\$60.00	\$83.60
Field Engineer/Scientist/Geologist	\$80.00	\$105.45
Field Inspector	\$55.00	\$76.00
Licensed Plumber	\$61.00	\$83.60
Mechanic	\$50.00	\$83.60
Professional Engineer/LSP	\$110.00	\$132.05
Senior Engineer/Scientist/Geologist	\$90.00	\$117.80
Senior Mechanical Technician	\$55.00	\$76.00
Sr. Mechanic	\$65.00	\$89.30
Sr. Welder	\$65.00	\$89.30
Wastewater Treatment Operator	\$65.00	\$89.30

Welder	\$60.00	\$83.60
<b>Administrative/Managerial Personnel</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
Commercial Trainer	Price	Price
Coordinator	\$75.00	\$89.30
General Manager	\$60.00	\$94.05
On Site Administration/Accounting Clerk	\$110.00	\$130.00
	\$40.00	\$57.00
	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
<b>Major Event "Strike Team"</b>	<b>Price</b>	<b>Price</b>
Administration/Coordinator	\$90.00	\$99.75
Logistics/Procurement	\$70.00	\$79.80
Strike Team Leader	\$150.00	\$159.60
Zone/Operations Manager	\$110.00	\$119.70

Per Diem (per person per day)  
 CITGO Provides Food in Gulf Region  
 \$120.00      \$140.00

**Emergency Response Equipment Rates**  
 Units of Measure specified in UoM column

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Earth Moving Equipment</b>			
Backhoe Loader - 1 Yard Bucket	DAY	\$450.00	\$450.00
Backhoe Loader - 1 Yard Bucket	HR	\$56.00	\$60.00
Bobcat Backhoe Attachment	DAY	\$110.00	\$130.00
Bobcat Forklift Attachment	DAY	\$110.00	\$53.00
Bobcat Hydraulic Shears Attachment	DAY	\$110.00	\$130.00
Bobcat Loader	DAY	\$325.00	\$325.00
Bobcat Loader	HR	\$50.00	\$58.00
Bobcat Sweeper Attachment	DAY	\$110.00	\$130.00
Bulldozer 6-13 ton	DAY	\$600.00	\$600.00
Excavator - Track	DAY	\$750.00	\$750.00
Excavator - Track	HR	\$95.00	\$90.00
Excavator- Link Belt with Mixer Attachment	DAY	\$1,313.00	\$1,313.00

Loader - 3 Yard Bucket	DAY	\$950.00	\$950.00
Loader - 3 Yard Bucket	HR	\$118.00	\$70.00

**Electric Power Tools**

	UoM	Price-Gulf	Price-NE/SE/MW
1/2" Drill	DAY/WEEK	\$26.00 /	\$26.00 /
		\$145.00	\$145.00
3/8" Drill	DAY/WEEK	\$22.00 /	\$22.00 /
		\$123.00	\$123.00
60# Jackhammer	DAY/WEEK	\$60.00 /	\$60.00 /
		\$336.00	\$336.00
Circular Saw	DAY/WEEK	\$40.00 /	\$40.00 /
		\$225.00	\$225.00
Mercury Vacuum	DAY	\$180.00	\$190.00
Reciprocating Saw	DAY/WEEK	\$40.00 /	\$40.00 /
		\$225.00	\$225.00
Rivet Buster	DAY	\$158.00	\$158.00
Shop (Wet) Vac	DAY	\$30.00	\$30.00

**Field Analytical**

	UoM	Price-Gulf	Price-NE/SE/MW
4 Gas Meter	DAY	\$160.00	\$160.00
Balier & Sampling Equipment	DAY	\$50.00	\$55.00
Conductivity Meter	DAY	\$110.00	\$116.00
Draeger Air Monitor Pump	DAY	\$35.00	\$35.00
Explosion/Oxygen Meter	DAY	\$75.00	\$75.00
Geiger Counter	DAY	\$110.00	\$116.00
Geoprobe	DAY	\$180.00	\$180.00
Hydrogen Cyanide Meter	DAY	\$110.00	\$120.00
Hydrogen Sulfide (H2S) Meter	DAY	\$35.00	\$35.00
Hydrostatic Tester	DAY	\$100.00	\$105.00
Interface Probe	DAY	\$110.00	\$116.00
Lumex RA915+ Mercury Vapor Analyzer	DAY	\$473.00	\$473.00
Mercury Vapor Analyzer	DAY	\$180.00	\$190.00
Noise Dosimeter	DAY	\$35.00	\$35.00
Organic Vapor Analyzer (OVA)	DAY	\$125.00	\$125.00

Particulate Meter, Mini Ram or Equivalent	DAY	\$116.00	\$116.00
Personal Air Pump	DAY	\$45.00	\$45.00
pH Meter	DAY	\$50.00	\$55.00
PID Meter	DAY	\$110.00	\$116.00
Ultrasound Meter	DAY	\$180.00	\$180.00
Unknown Testing Kit	DAY	\$158.00	\$158.00
Well purging/Sampling Pump	DAY	\$50.00	\$55.00

**Gas Powered Tools**

Air Mover Flex Hose 4" (100ft Roll)	ROL	\$85.00	\$85.00
Air Mover Flex Hose 6" (100ft Roll)	ROL	\$165.00	\$165.00
Brush Cutter	DAY	\$105.00	\$112.00
Chain Saw	DAY	\$105.00	\$112.00
Cutoff Saw	DAY	\$105.00	\$112.00
High Velocity Leaf Blower	DAY	\$55.00	\$60.00

**Heavy Duty Trucks  
NEED NOTES FOR FUEL USE AND DEFINE**

	UoM	Price-Gulf	Price-NE/SE/MW
Box Truck (10 Wheel)	HR / DAY	\$ 50.00 / \$600.00	\$52.00 / \$624.00
Box Truck (6 Wheel)	HR / DAY	\$40.00 / \$480.00	\$40.00 / \$480.00
Heavy Duty Liftgate Truck	DAY	\$320.00	\$340.00
Heavy Duty Liftgate Truck	HR / DAY	\$52.00 / \$624.00	\$52.00 / \$624.00
Tractor - No Trailer	HR / DAY	\$41.00 / \$492.00	\$43.00 / \$516.00
Tractor W/Box Van	HR / DAY	\$51.00 / \$612.00	\$54.00 / \$648.00
Tractor W/Flatbed/Lowbed	HR / DAY	\$51.00 / \$612.00	\$54.00 / \$648.00
Tractor W/Bulk Hopper	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00

Tractor W/Dump Trailer	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00
Tractor W/Roll-Off Trailer	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00
Trailer Mounted High Powered Vac Unit	DAY	\$750.00	\$750.00
Air Mover/Vactor	HR / DAY	\$76.00 / \$912.00	\$76.00 / \$912.00
High Power Vacuum Truck/Cusco	HR / DAY	\$89.00 / \$1068.00	\$90.00 / \$1080.00
High Power Vacuum Truck/Cusco W/Liquid Ring	HR / DAY	\$89.00 / \$1068.00	\$101.00 / \$1212.00
Skid Mount Vacuum System	HR / DAY	\$47.00 / \$564.00	\$47.00 / \$564.00
Tractor W/Liquid Transporter	HR / DAY	\$49.99 / \$588.00	\$54.00 / \$648.00
Vactor W/Cyclone	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vactor W/HEPA	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vactor W/High Rail	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vacuum Tractor Trailer	HR / DAY	\$49.99 / \$588.00	\$54.00 / \$648.00
Vacuum Truck Straight	HR / DAY	\$54.00 / \$648.00	\$54.00 / \$648.00
Vactor Flex Hose 4" (100ft Roll)	ROL	\$85.00	\$85.00
Vactor Flex Hose 6" (100ft Roll)	ROL	\$165.00	\$165.00
*** Decontamination of Vacuum Trucks, Vactors, Cuscos, Trailers, etc. not included.			
Some may require personnel entry, some may be deconned at a local truck wash.			
<b>Hoses/Pipe</b>			
2" Cross Link Poly-Chem Hose (25')	DAY	\$34.00	\$34.00
2" Lay Flat Hose (25')	DAY	\$25.00	\$25.00
2" Oil Suction Hose (25')	DAY	\$25.00	\$28.00
3" Cross Link Poly Chem Hose (25')	DAY	\$43.75	\$46.00
<b>UoM</b>		<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>

3" Oil Suction Hose (25')	DAY	\$37.50	\$39.00
3" Lay Flat Hose (25')	DAY	\$37.50	\$37.50
3/4" Air compressor hose/foot	FT	\$1.00	\$1.00
4" Lay Flat Hose (25')	DAY	\$50.00	\$55.00
4" Cross Link Poly Chem Hose (25')	DAY	\$62.00	\$62.00
4" Oil Suction Hose (25')	DAY	\$50.00	\$55.00
4" HDPE Pipe w/ Quick Disconnects (40ft)	DAY	\$21.00	\$21.00
6" Lay Flat Hose (25')	DAY	\$72.00	\$72.00
6" Oil Suction Hose (25')	DAY	\$75.00	\$80.00
6" HDPE Pipe w/ Quick Disconnects (40ft)	DAY	\$23.00	\$23.00
Wash Hose (50')	DAY	\$12.50	\$15.00

### Light Duty Truck/Response Equipment

	UoM	Price-Gulf	Price-NE/SE/MW
2 1/2 Ton Utility Vehicle	DAY	\$175.00	\$175.00
Emergency Response Van	HR	\$55.00	\$55.00
Pickup/Van/Car/Crew Cab	DAY	\$150.00	\$145.00
Spill Trailer	DAY	\$75.00	\$75.00

Stake Body/Utility Truck	DAY	\$150.00	\$180.00
Utility/Boom Trailer	DAY	\$75.00	\$75.00
Welding Van	HR	\$18.00	\$18.00

### Marine Response Equipment

#### No transfer of ownership

	UoM	Price-Gulf	Price-NE/SE/MW
10" Containment Boom	FT	\$1.10	\$1.10
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$1.35	\$1.35
18" Containment Boom	FT	\$1.35	\$1.35
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$2.10	\$2.10
24" Containment Boom	FT	\$2.10	\$2.10
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$3.85	\$3.85
36" Containment Boom	FT	\$3.85	\$3.85
Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$5.25	\$5.25
48" Containment Boom	FT	\$5.25	\$5.25

Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.

Boom Anchor System DAY / WEEK \$20.00 / \$20.00 / \$110.00 \$110.00

Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.

Boom Light DAY / WEEK \$20.00 / \$20.00 / \$110.00 \$110.00

Caped after 18 days

Containment Boom Tow Bridle DAY N/C N/C

Global Positioning System DAY \$50.00 \$55.00

Caped after 18

Hydraulic Power Pack DAY \$175.00 \$175.00

Inflatable Buoy DAY \$30.00 \$32.00

Caped after 18 days

Oil Corraling Spray Bar DAY \$25.00 \$25.00

PFD Survival Suit DAY \$60.00 \$60.00

PFD Survival Vest DAY \$13.00 \$13.00

Air Boat DAY CALL CALL

Jon Boat DAY \$85.00 \$85.00

20' Fast Response Vessel w/o use of Storage DAY \$550.00 \$550.00

20' Fast Response Vessel with use of Storage (30 DAY \$800.00 \$800.00  
bbl)

Marco Harbor 28' Fast Response Recovery Vessel DAY \$4,500.00 \$4,500.00

Power Workboat (12' - 14') DAY \$225.00 \$275.00

Power Workboat (15'-17") DAY \$300.00 \$325.00

Power Workboat (18'-22') DAY \$470.00 \$550.00

Power Boat (23'-30') DAY \$600.00 \$600.00

Power Boat (23'-30') Twin Engine DAY \$650.00 \$790.00

Power Barge Boat (26'-30') Twin Engine DAY \$850.00 \$850.00

Power Boat (>30') EA CALL CALL

1" Belt Skimmer MO \$500.00 \$500.00

Drum Skimmer Unit DAY \$550.00 \$550.00

Duck Bill Skimmer DAY \$25.00 \$25.00

Marco Skimmer Belt Drive EA \$1,200.00 \$1,200.00

Marco Skimmer belt-light oil pads (Set of 4) EA \$700.00 \$700.00

Skim Pack DAY \$150.00 \$150.00

Weir Disc Skimmer Unit DAY \$350.00 \$158.00

\* Cost of Decontamination of Marine Response Equipment not included.  
 \* Replacement Skimming Belts will be priced on request as needed.

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Materials Processing Equipment</b>			
Centrifuge	DAY	\$1,000.00	\$1,000.00
Floating Dredge (10' depth)	DAY	\$450.00	\$450.00
Floating Dredge (20' depth)	DAY	\$700.00	\$700.00
Mobile Belt filter press	DAY	\$500.00	\$500.00
Mobile Plate and Frame filter press	DAY	\$600.00	\$600.00
Robotic Manway Cannon	DAY	\$600.00	\$600.00
Vapor Recovery Unit (Double Column)	DAY	\$500.00	\$500.00
<b>Pneumatic Power Tools</b>			
1/2" Drive Drill	DAY	\$55.00	\$58.00
3/4" Rotary Hammer Drill	DAY	\$80.00	\$84.00
3/8" Drive Drill	DAY	\$30.00	\$35.00
Jackhammer 40 Lb.	DAY	\$55.00	\$60.00
Jackhammer 60 Lb.	DAY	\$70.00	\$75.00
Jackhammer 90 Lb.	DAY	\$85.00	\$90.00
Pallet Jack	DAY	\$11.00	\$11.00
Pneumatic Chipping Gun	DAY	\$55.00	\$60.00
Reciprocating Saw	DAY	\$90.00	\$95.00
Scrapping Gun, Air Driven	DAY	\$58.00	\$58.00
Steel Nibbler	DAY	\$105.00	\$110.00
<b>Pressure Washing Equipment</b>			
1000 PSI Pressure Washer	DAY	\$85.00	\$92.00
2000 PSI Pressure Washer	DAY	\$95.00	\$100.00
2500 PSI Hot Pressure Washer	DAY / WEEK	\$225.00 /	\$225.00 /
		\$1100.00	\$1100.00

2500 PSI Pressure Washer	DAY	\$100.00	\$108.00
3000 PSI Hot Pressure Washer	DAY	\$330.00	\$347.00
3500 PSI Hot Pressure Washer	DAY / WEEK	\$275.00 / \$1200.00	\$275.00 / \$1200.00
3D/ Automated Nozzle for Water Blaster	HR	\$74.00	\$74.00
Water Blaster, 10,000 PSI	HR	\$75.00	\$65.00
Water Blaster, 20,000 PSI	HR	\$125.00	\$125.00
Water Blaster, 40,000 PSI	HR	\$152.00	\$152.00
<b>Pumping/Transferring Pumps</b>			
1" Double Diaphragm Pump	DAY	\$85.00	\$89.00
2" Centrifical Pump	DAY	\$95.00	\$100.00
2" Chemical Diaphragm Pump	DAY	\$175.00	\$168.00
2" Double Diaphragm Pump	DAY	\$120.00	\$126.00
2" Electric Submersible Pump	DAY	\$75.00	\$79.00
2" Hale Pump/Trash Pump	DAY	\$100.00	\$100.00
2" Parastolic Pump	DAY	\$350.00	\$350.00
3" Centrifical Pump	DAY	\$110.00	\$116.00
3" Chemical Diaphragm Pump	DAY	\$175.00	\$185.00
3" Diesel Lister Pump	DAY	\$135.00	\$142.00
3" Double Diaphragm Pump	DAY	\$135.00	\$142.00
3" Electric Submersible Pump	DAY	\$95.00	\$100.00
3" Hale Pump/Trash Pump	DAY	\$116.00	\$116.00
4" Centrifical Pump	DAY	\$135.00	\$142.00
4" Double Diaphragm Pump	DAY	\$185.00	\$195.00
4" Electric Submersible Pump	DAY	\$140.00	\$147.00
4" Hale Pump/Trash Pump	DAY	\$319.00	\$263.00
4" Hydraulic Transfer Pump	HR	\$165.00	\$174.00
4" Hydraulic Sludge Pump with Power Pack	HR	\$500.00	\$500.00
6" Hydraulic Transfer Pump	DAY	\$220.00	\$231.00
6" Hydraulic Transfer Pump	HR	\$275.00	\$290.00
8" Hydraulic Transfer Pump	HR	\$150.00	\$158.00
Drum Loader	DAY	\$95.00	\$100.00
Electric Drum Pump	DAY	\$30.00	\$32.00
Hand Pump	DAY		

Pneumatic Drum Vac - Venturi

DAY

\$150.00

\$158.00

**Respiratory Protection**

	<b>UoM</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
2 Man Breathing System	DAY	\$240.00	\$252.00
4 Man Breathing System	DAY	\$300.00	\$315.00
6 Man Breathing System	DAY	\$340.00	\$340.00
Breathing Air Hose/100 FT	DAY	\$50.00	\$50.00
Negative Air Machine	DAY	\$200.00	\$210.00
Negative Air Machine	WK	\$600.00	\$630.00
Respirator, Full Face	DAY	\$20.00	\$20.00
Self Contained Breathing App.	DAY	\$200.00	\$200.00

**Site Support**

	<b>UoM</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
150,000 BTU Portable Heater	DAY	\$200.00	\$250.00
2,000 Gal Poly Storage Tank	DAY	\$64.00	\$64.00
20,000 Gal. Double walled Frac Tank	DAY	\$180.00	\$180.00
20,000 Gal. Frac Tank	DAY	\$75.00	\$150.00
3,000 Gal Steel Storage Tank	DAY	\$16.00	\$16.00
3,000 Gal Steel Storage Tank	WK	\$79.00	\$79.00
300 - 500 gal Poly Storage Tank	DAY	\$25.00	\$37.00
300 - 500 gal Poly Storage Tank	WK	\$174.00	\$257.00
300 - 500 gal Poly Storage Tank	MO	\$1,210.00	\$1,785.00
4,000 Gal Poly Storage Tank	DAY	\$88.00	\$88.00
4000 Watt Generator	DAY	\$128.00	\$128.00
Air Compressor 8/10 CFM	DAY	\$110.00	\$110.00
Air Compressor 175 CFM	DAY	\$220.00	\$235.00
Air Compressor 375 CFM	DAY	\$300.00	\$300.00
ATTV 4x4 or 4x6	DAY	\$300.00	\$300.00
Carbon Filter - Vapor Phase, Small	WK	\$525.00	\$525.00
Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	DAY	\$63.00	\$63.00
Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	WK	\$189.00	\$189.00

Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	MO	\$1,260.00	\$1,260.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	DAY	\$630.00	\$630.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	WK	\$3,780.00	\$3,780.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	MO	\$11,340.00	\$11,340.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	DAY	\$998.00	\$998.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	WK	\$5,985.00	\$5,985.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	MO	\$17,955.00	\$17,955.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	DAY	\$315.00	\$315.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	WK	\$1,890.00	\$1,890.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	MO	\$5,670.00	\$5,670.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	DAY	\$892.00	\$892.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	WK	\$5,355.00	\$5,355.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	MO	\$16,065.00	\$16,065.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	DAY	\$893.00	\$893.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	WK	\$5,355.00	\$5,355.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	MO	\$16,065.00	\$16,065.00
Carbon Filter System - 55gal	DAY	\$585.00	\$230.00
Carnaflex Bags, SeaSlugs - 100 barrel	DAY	CALL	CALL
Carnaflex Bags, SeaSlugs - 200-500 gal	DAY	CALL	CALL
Chains & Binders	DAY	\$20.00	\$20.00
Construction Debris Box, Non Haz Only	DAY	\$21.00	\$21.00
Decon Pool 10' x 10'	DAY	\$100.00	\$100.00
Decon Pool 20' x 100'	DAY	\$300.00	\$300.00

Decon Pool 25' x 50'	DAY	\$150.00	\$150.00
Decontamination Trailer	DAY	\$225.00	\$170.00
Dewatering box	DAY	\$192.00	\$158.00
Drum Scale (Portable)	DAY	\$50.00	\$53.00
Dump Trailer, No Tractor (For on-site Storage Only)	DAY	\$68.00	\$68.00
Eyewash Station	DAY	\$30.00	\$32.00
Generator (5K)	DAY	\$75.00	\$75.00
Generator (8K)	DAY	\$100.00	\$100.00
Generator (12K)	DAY	\$150.00	\$150.00
15 Gal HEPA Filter	DAY	\$150.00	\$158.00
Hand tool package	DAY	\$25.00	\$25.00
Incident Command Unit	DAY	\$1,000.00	\$1,200.00
Intermodal Container	DAY	\$20.00	\$28.00
Intrinsically Safe Drop Light	DAY	\$75.00	\$80.00
Intrinsically Safe Tool Kit	DAY	\$25.00	\$25.00
Light Stand	DAY	\$50.00	\$80.00
Light Tower w/Generator	DAY	\$150.00	\$420.00
Office Trailer	DAY	\$95.00	\$95.00
Personnel Staging Tent 20' x 30'	DAY	\$150.00	\$150.00
Portable Boiler Unit	DAY	\$850.00	\$840.00
Portable Boiler Unit	WK	\$2,975.00	\$2,940.00
Roll-Off Container	DAY	\$15.00	\$18.00
Secondary Containment	DAY	\$60.00	\$38.00
Spotlight, Halogen	DAY	\$79.00	\$79.00
Tank Trailer, No Tractor ( For On-site Storage Only)	DAY	\$400.00	\$420.00
Truck Scale (Portable)	DAY	\$250.00	\$280.00
Vacuum Box with Filtration Unit, Watertight	DAY	\$263.00	\$263.00
Vacuum Box, Watertight	DAY	\$75.00	\$100.00
Van Trailer, No Tractor (For On-site Storage Only)	DAY	\$175.00	\$185.00
Wheel Barrow	DAY	\$20.00	\$20.00
<b>Specialty Equipment</b>			
Acetylene Cutting Torch	DAY	\$100.00	\$110.00

Auger - Electric	DAY	\$68.00	\$68.00
Auger - Heated	MO	\$1,837.00	\$1,837.00
Auger - Manual	DAY	\$55.00	\$60.00
Belt Press	DAY	\$368.00	\$500.00
Chemical Cleaning Unit	HR	\$127.00	\$105.00
Compactor	DAY	\$55.00	\$60.00
Concrete Saw - Walk Behind	DAY	\$254.00	\$210.00
Concrete Saw - Walk Behind	WK	\$1,270.00	\$945.00
Concrete Saw - Walk Behind	MO	\$5,500.00	\$3,675.00
Confined Space Entry Gear	DAY	\$320.00	\$336.00
DBI/Roglics Tripod	DAY	\$60.00	\$60.00
Digital Camera	DAY	\$35.00	\$79.00
Drum Crusher - Portable	HR	\$50.00	\$53.00
Drum Crusher - Portable	DAY	\$400.00	\$420.00
Drum Dolly	DAY	\$20.00	\$20.00
Drum Grabber, Mechanical	DAY	\$26.00	\$26.00
Drum Tilter, Mechanical	DAY	\$158.00	\$158.00
Electric Blower	DAY	\$75.00	\$80.00
Fiber Optic Camera	HR	\$64.00	\$53.00
Fiber Optic Camera	DAY	\$192.00	\$158.00
Fiber Optic Camera Truck	HR	\$166.00	\$137.00
Forklift W/Drum Grabber	DAY	\$350.00	\$368.00
Forklift W/Drum Tiller	DAY	\$350.00	\$368.00
Forklift (2000 Lb. Capacity)	DAY	\$320.00	\$336.00
Hydraulic Shears	DAY	\$175.00	\$750.00
Jet Air Blower	DAY	\$55.00	\$60.00
Plasma Cutting Torch	DAY	\$200.00	\$218.00
Pneumatic Fan Blower	DAY	\$75.00	\$80.00
Pneumatic Remote Drum Opener (penetration)	DAY	\$1,000.00	\$1,100.00
Sandblaster & Hose	DAY	\$150.00	\$158.00
Soil Vent Blower	DAY	\$150.00	\$158.00
Traffic Cones/Barricade	DAY	\$1.05	\$1.05
Traffic Sign - Arrow Board	DAY	\$37.00	\$37.00
Traffic Sign - Other	DAY	\$1.05	\$1.05
Transit Set	DAY	\$100.00	\$115.00
Well Development Rig	HR	\$44.00	\$36.00

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Personal Protective Equipment</b>			
<b>(Per person per change out)</b>			
Level A Intrinsically Safe, Hands Free Communications Package	DAY	\$135.00	\$135.00
Level A with RESPONDER Plus Suit	EA	\$575.00	\$575.00
Level A with RESPONDER Suit	EA	\$275.00	\$275.00
Level B with CPF 2 or Poly Tyvek	EA	\$165.00	\$165.00
Level B with CPF 3 or Saranex Suit	EA	\$175.00	\$175.00
Level B with CPF 4 or Barricade Suit	EA	\$200.00	\$200.00
Level C with CPF 1, CPF 2, or Poly Tyvek Suit	EA	\$50.00	\$50.00
Level C with CPF 4 or Barricade	EA	\$95.00	\$95.00
Level C with CPF3 or Saranex	EA	\$65.00	\$65.00
Level D with Tyvek, Boots, Gloves	DAY	\$15.00	\$15.00
	<b>UoM</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
<b>Chemical Protective Garments</b>			
Kappler CPF1 Apron	EA	\$12.00	\$12.00
Kappler CPF1 Suit (Blue)	EA	\$25.00	\$25.00
Kappler CPF2 Suit (Grey)	EA	\$45.00	\$45.00
Kappler CPF2 Suit w/Strapped Seams (Grey)	EA	\$80.00	\$80.00
Kappler CPF3 Suit w/Hood & Boots (Tan)	EA	\$110.00	\$110.00
Kappler CPF3 Suit w/Hood & Strapped Seams (Tan)	EA	\$96.00	\$96.00
Kappler CPF4 Suit w/Hood & Boots (Green)	EA	\$115.00	\$115.00
Kappler CPF5 Responder Level A Suit (Blue)	EA	\$1,200.00	\$1,200.00
Kappler CPF5 Responder Plus Level A Suit (Orange)	EA	\$1,450.00	\$1,450.00
Barricade Suit	EA	\$65.00	\$65.00
Chemrel Suit, Level B	EA	\$100.00	\$100.00
Chemrel Suit, Level C	EA	\$65.00	\$65.00
Chemtuff Suit, Level B	EA	\$38.00	\$38.00
Chemtuff Suit, Level C	EA	\$32.00	\$32.00
Polycoated Rain Gear, 22mil	EA	\$15.00	\$15.00

Tyvek, Polycast HD/BT	EA	\$15.00	\$15.00
Tyvek, Saranex	EA	\$27.00	\$27.00
Tyvek, White	EA	\$7.50	\$7.50

**Hand Protection**

	UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
12In PVC Gloves	PAIR	\$9.00	\$9.00
14In Neoprene Gloves	PAIR	\$10.00	\$10.00
14In Nitrile Gloves	PAIR	\$10.00	\$10.00
18In PVC Gloves	PAIR	\$10.00	\$10.00
Cotton Winter Glove Liners	PAIR	\$5.00	\$5.00
Cut Resistant Gloves	PAIR	\$22.00	\$22.00
Latex Gloves	BOX	\$10.00	\$10.00
Leather Gloves	PAIR	\$5.50	\$5.50
Puncture Resistant Gloves	PAIR	\$27.00	\$27.00
Silver Shield Gloves	PAIR	\$28.00	\$28.00

**Emergency Response Materials Rates**

Units of Measure specified in UoM column

**Respiratory Protection**

	UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
Acid Cartridges	PAIR	\$15.00	\$15.00
Ammonia Cartridges	PAIR	\$18.00	\$18.00
Asbestos Cartridges	PAIR	\$20.00	\$20.00
Chlorine Cartridges	PAIR	\$18.00	\$18.00
Mercury Cartridges	PAIR	\$37.00	\$37.00
MSA Chemical Cartridge	EA	\$20.00	\$20.00
Organic Vapor Cartridges (No Dust)	PAIR	\$17.00	\$17.00
Organic Vapor/Dust Combination Cartridges	PAIR	\$29.00	\$29.00
Pesticide Cartridges	PAIR	\$24.00	\$24.00

**Foot Protection**

UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
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17in Over/Slush Boots - Rental	PAIR	\$11.00	\$11.00
Disposable Boot Covers (Chicken Boots)	PAIR	\$11.00	\$11.00
Non Steel Toe Chest Waders - Purchased	PAIR	\$195.00	\$195.00
Steel Toe Knee Boots - Rental	PAIR	\$25.00	\$25.00

**Head / Facial Protection**

	UoM	Price-Gulf	Price-NE/SE/MW
16oz Eyewash	EA	\$16.00	\$16.00
Chemical Resistant Hoods	EA	\$32.00	\$32.00
Cold Weather Hard Hat Liners	EA	\$7.00	\$7.00
Earplugs	PAIR	\$0.75	\$0.75
Face/Splash Shield	EA	\$17.00	\$17.00
First Aid Kit, 25 Person	EA	\$70.00	\$70.00

**DOT Shipping Containers**

	UoM	Price-Gulf	Price-NE/SE/MW
1 Cubic Yard Flexbin 11G/Y/2022/1122	EA	\$132.00	\$132.00
1 Cubic Yard Supersac 13H2/Y/06	EA	\$60.00	\$60.00
10 Gal / 40 Litre Fiber Drum	EA	\$17.00	\$17.00
110 Gal Steel Drum, New 1A2/Y400S	EA	\$350.00	\$350.00
110 Gal Steel Drum, Reconditioned 1A2/Y400S	EA	\$330.00	\$330.00
15 Gal / 60 Litre Poly Drum 1H1/Y1.8/100	EA	\$50.00	\$50.00
16 Gal / 70 L Closed Poly Drum	EA	\$38.00	\$38.00
16 Gal / 70 L Poly Drum 1H2/Y56/S	EA	\$50.00	\$50.00
16 Gal Fiber Drum	EA	\$22.00	\$22.00
18x18x24in Nonhazardous Pathological Waste Box	EA	\$8.00	\$8.00
20 Gal / 80 Litre Fiber Drum	EA	\$27.00	\$27.00
20 Gal / 80 Litre Poly Drum (1H2/Y56/S)	EA	\$60.00	\$60.00
30 Gal / 120 Litre Closed Poly Drum 1H1/Y1.8/100	EA	\$65.00	\$65.00
30 Gal / 120 Litre Closed Steel Drum, New 1A2/Y1.6/200	EA	\$78.00	\$78.00
30 Gal / 120 Litre Closed Steel Drum, Reconditioned 1A1/Y1.4/100	EA	\$70.00	\$70.00

30 Gal / 120 Litre Fiber Drum 1G/X56/S	EA	\$40.00	\$40.00
30 Gal / 120 Litre Poly Drum 1H2/Y142/S	EA	\$65.00	\$65.00
30 Gal / 120 Litre Steel Drum, New 1A2/Y1.4/100	EA	\$95.00	\$95.00
30 Gal / 120 Litre Steel Drum, Reconditioned 1A2/Y1.2/100	EA	\$55.00	\$55.00
4ft Fluorescent Tube Box 4G/Y275	EA	\$12.00	\$12.00
5 Gal / 20 Litre Closed Poly Drum 1H1/Y1.8/170	EA	\$20.00	\$20.00
5 Gal / 20 Litre Closed Steel Drum 1A1/Y1.8/300	EA	\$25.00	\$25.00
5 Gal / 20 Litre Poly Drum 1H2/Y1.5/60	EA	\$15.00	\$15.00
5 Gal / 20 Litre Steel Drum 1A2/Y1.8/100	EA	\$25.00	\$25.00
5.5 Gal / 20 L Steel Drum 1A2/Y23/S	EA	\$16.00	\$16.00
55 G / 205 L Closed Steel Drum, Recon 1A1/Y1.4/100 (17-E)	EA	\$35.00	\$35.00
55 G / 205 L Steel Drum, Reconditioned 1A2/Y1.2/100 (17-H)	EA	\$56.00	\$56.00
55 Gal / 205 L Stainless Steel Drum, Reconditioned	EA	\$220.00	\$220.00
55 Gal / 205 Litre Closed Poly Drum 1H1/Y1.8/150	EA	\$75.00	\$75.00
55 Gal / 205 Litre Closed Poly Drum 1H1/Y1.8/150, Recycled	EA	\$45.00	\$45.00
55 Gal / 205 Litre Closed Steel Drum, New 1A1/Y1.8/300	EA	\$83.00	\$83.00
55 Gal / 205 Litre Fiber Drum 1G/Y190/S	EA	\$47.00	\$47.00
55 Gal / 205 Litre Poly Drum 1H2/Y237/S	EA	\$125.00	\$125.00
55 Gal / 205 Litre Steel Drum Heavy Gauge 1A2/1.5/100 (17-C)	EA	\$115.00	\$115.00
55 Gal / 205 Litre Steel Drum, New 1A2/Y1.5/100	EA	\$95.00	\$95.00
55 Gal/205 Litre Steel Drum Poly Line 6H/11/X1.5/280 (6D/37M)	EA	\$160.00	\$160.00
85 Gal / 320 Litre Steel Drum, New 1A2/X400/S	EA	\$200.00	\$200.00
85 Gal / 320 Litre Steel Drum, Recycled 1A2/X400/S	EA	\$155.00	\$155.00
8ft Fluorescent Tube Box 4G/Y275	EA	\$18.00	\$18.00

95 Gal Poly Drum 1H2/Y318/S (Overpack)	EA	\$235.00	\$235.00
Asbestos Bag	EA	\$1.40	\$1.40
Cubic Yard Box for Non-Haz Waste	EA	\$83.00	\$83.00
Drum Liners	EA	\$15.00	\$15.00
Drum Rings/Bolts/Gaskets	EA	\$23.00	\$23.00
Dump Trailer Poly Liner	EA	\$84.00	\$84.00
Filter/Liner for Filter Box	EA	\$315.00	\$315.00
Flexbin/Cubic Yard Box Liner	EA	\$22.00	\$22.00
Fluorescent Bulb Tubes, 8ft 100 bulb capacity	EA	\$68.00	\$68.00
Fluorescent Bulb Tubes, 8ft 125 bulb capacity	EA	\$68.00	\$68.00
Pathological Waste Bag	EA	\$5.25	\$5.25
Poly Sheet, 6mil 20ft x 100ft	EA	\$95.00	\$95.00
Rolloff Poly Liner	EA	\$68.00	\$68.00
Oversized heavy duty biohaz bag	EA	\$35.00	\$35.00
Poly Bags, 6mil, per Roll	EA	\$125.00	\$125.00
Waste Wrangler	EA	\$163.00	\$163.00

### Absorbent Materials

	UoM	Price-Gulf	Price-NE/SE/MW
Absorbent Boom, 3in x 4ft	EA	\$5.25	\$5.25
Absorbent Boom, 5in x 10ft x 4/Bale	BALE	\$135.00	\$135.00
Absorbent Boom, 8in x 10ft x 4/Bale	BALE	\$215.00	\$215.00
Absorbent Pad (101 Grade) 100/bale	BALE	\$110.00	\$110.00
Absorbent Pillow, 14in x 25in	EA	\$25.00	\$25.00
Absorbent Pillow, 14in x 25in x 10/Bale	BALE	\$140.00	\$140.00
Absorbent Roll, 38in x 144ft	EA	\$155.00	\$155.00
Absorbent Rug, 36in x 300ft	EA	\$220.00	\$220.00
Absorbent Rug, 17in x 100ft	BALE	\$140.00	\$140.00
Activated Carbon for Water treatment systems	LBS	\$2.50	\$2.50
Corn Cob Absorbent	PAL	\$315.00	\$315.00
Corn Cob Absorbent 40lb / 18 kg bag	BAG	\$15.00	\$15.00
HGX Absorbent (Mercury absorbent)	LBS	\$16.00	\$16.00
HGX Absorbent (Mercury Absorbent), 5 lbs container	CALL	CALL	CALL
Oil Snare, Loose in Bag	BOX	\$57.00	\$57.00
Oil Snare, on a Line, 50ft	EA	\$84.00	\$84.00

Poly Absorbent, 20 lb / 23 kg	BAG	\$90.00	\$90.00
Rags, 50 lb / 23 kg	BOX	\$52.00	\$52.00
Saw Dust, 20 lb / 9 kg	BAG	\$8.00	\$8.00
Speedi Dry	BAG	\$10.00	\$10.00
SPI Solidification Particulate (Oil Bond)	LBS	\$15.00	\$15.00
SPI Waterbond	LBS	\$12.00	\$12.00
Vermiculite 4 cuft / 3 cubic meter	BAG	\$20.00	\$20.00

**Degreasers & Neutralizing Agents**

	UoM	Price-Gulf	Price-NE/SE/MW
142 Solvent	GAL	\$9.00	\$9.00
Antifreeze, Concentrate	GAL	\$5.00	\$5.00
Capsur	GAL	\$150.00	\$150.00
Citric Acid Solution, 15%	GAL	\$6.00	\$6.00
Citrus Cleaner Degreaser	GAL	\$53.00	\$53.00
Diesel Fuel Used a Cleaner	GAL	CALL	CALL
Hydrated Lime, 50 lb / 23 kg	BAG	\$7.00	\$7.00
Hydrochloric Acid	LBS	\$3.00	\$3.00
Liquid Alive	GAL	\$73.00	\$73.00
No Flash	GAL	\$24.00	\$24.00
Penatone Degreaser	GAL	\$28.00	\$28.00
PES 51 Cleaner	GAL	\$65.00	\$65.00
Pink Stuff Degreaser	GAL	\$17.00	\$17.00
Sanimate Degreaser	GAL	\$17.00	\$17.00
Sea Clean Degreaser, 5 Gal / 20 Litre	EA	\$72.00	\$72.00
Simple Green Degreaser	GAL	\$25.00	\$25.00
Soda Ash, 100 lb / 45 kg	BAG	\$44.00	\$44.00
Sodium Bisulfate 50 lb / 23 kg	BAG	\$105.00	\$105.00
Sodium Hypochlorite, 15% (Bleach)	GAL	\$6.00	\$6.00
Spray Gel	GAL	\$25.00	\$25.00
Trichloroethane	GAL	\$7.00	\$7.00

Sampling And Lab Supplies

8oz Sample Jars	EA	\$11.00	\$11.00
12oz Sample Jar w/Cover	EA	\$3.00	\$3.00
16oz Sample Jar w/Cover	EA	\$4.00	\$4.00
32oz Sample Jar w/Cover	EA	\$5.00	\$5.00
CHLOR-D-TECT 4000 Test Kit (Halogens)	EA	\$20.00	\$20.00
CHLOR-N-OIL Test Kit 0-50ppm PCB	EA	\$20.00	\$20.00
CHLOR-N-OIL Test Kit 50-500ppm (PCB)	EA	\$15.00	\$15.00
Draeger Tube	EA	\$20.00	\$20.00
Hanby Soil Reagent/Sample	EA	\$48.00	\$48.00
pH Paper, 1-14/Roll	EA	\$12.00	\$12.00
Sample Tube	EA	\$11.00	\$11.00

**Buna/Velluminoid Materials**

	UoM	Price-Gulf	Price-NE/SE/MW
2in Flange/Ring Gasket	EA	\$5.00	\$5.00
3in Flange/Ring Gasket	EA	\$6.00	\$6.00
4in Flange/Ring Gasket	EA	\$8.00	\$8.00
6in Flange/Ring Gasket	EA	\$12.00	\$12.00
8in Flange/Ring Gasket	EA	\$13.00	\$13.00
10in Flange/Ring Gasket	EA	\$16.00	\$16.00
12in Flange/Ring Gasket	EA	\$17.50	\$17.50
14in Flange/Ring Gasket	EA	\$19.00	\$19.00
16in Flange/Ring Gasket	EA	\$20.00	\$20.00
24 - 36in Manhole Gasket	EA	\$70.00	\$70.00

**Marine Equipment**

	UoM	Price-Gulf	Price-NE/SE/MW
1/2in Galvanized Shackles/Screwpin	EA	\$10.00	\$10.00
1/2in Galvanized Swivel/Eye&Eye	EA	\$25.00	\$25.00
10in Inflatable Buoy	EA	\$41.00	\$41.00
13in Inflatable Buoy	EA	\$63.00	\$63.00
19in Inflatable Buoy	EA	\$85.00	\$85.00
24in Safety Throw Ring	EA	\$110.00	\$110.00
6in Pick up Buoy	EA	\$31.00	\$31.00
3/8in Unguarded Galvanized Chain	FT	\$6.00	\$6.00

Anchor, 18Lb	EA	\$92.00	\$92.00
Anchor, 22Lb	EA	\$110.00	\$110.00
Anchor, 25Lb	EA	\$185.00	\$185.00
Anchor, 40Lb	EA	\$292.00	\$292.00
Anchor, 43Lb	EA	\$305.00	\$305.00
PFD Safety Light	EA	\$21.00	\$21.00
PFD Survival Suit	DAY	\$840.00	\$840.00
Signal Horn	EA	\$28.00	\$28.00
1/2in Nylon Rope	FT	\$0.85	\$0.85
1/2in Poly Rope	FT	\$0.35	\$0.35
1/8in Poly Rope	FT	\$0.25	\$0.25
12" Masonry Cutting Wheel	EA	\$52.00	\$52.00
12" Metal Cutting Wheel	EA	\$25.00	\$25.00
12in Masonry Cutting Wheel Blade	EA	\$13.50	\$13.50
12in Metal Cutting Wheel Blade	EA	\$13.50	\$13.50

**Hand Tool/Construction Accessories  
one time charge per item for the duration  
of event**

	UoM	Price-Gulf	Price-NE/SE/MW
16in Street Broom	EA	\$30.00	\$30.00
24in Floor Broom	EA	\$30.00	\$30.00
3 Gal Pump Spray Bottle	EA	\$45.00	\$45.00
3/8in Manila Rope	FT	\$0.35	\$0.35
3/8in Manila Rope Coil, 600ft	EA	\$145.00	\$145.00
3in Long Handle Scraper	EA	\$20.00	\$20.00
3in Scraper	EA	\$12.00	\$12.00
Bow Rake	EA	\$40.00	\$40.00
Carbide Blade	EA	\$12.50	\$12.50
Caution Tape/Roll	EA	\$45.00	\$45.00
Chemical Tape/Roll	EA	\$40.00	\$40.00
Corn Broom	EA	\$20.00	\$20.00
Deck/Scrub Brush	EA	\$15.00	\$15.00
Disposal Hand Pump/Siphon Pump	EA	\$26.00	\$26.00
Duct Tape/Roll	EA	\$10.00	\$10.00
Extension Cord, 50ft	EA	\$35.00	\$35.00

Fence Stakes	EA	\$8.00	\$8.00
Fence, Slit 100ft	EA	\$125.00	\$125.00
Flat Shovel	EA	\$27.00	\$27.00
Garden Hoe	EA	\$25.00	\$25.00
Garden Rake	EA	\$25.00	\$25.00
Pitch Fork	EA	\$45.00	\$45.00
Plastic Shovel	EA	\$20.00	\$20.00
Sawzall Blade	EA	\$27.00	\$27.00
Shrink Wrap	ROL	\$40.00	\$40.00
Small Sledge Hammer	EA	\$35.00	\$35.00
Snow Fence/Safety Fence, 50ft	EA	\$50.00	\$50.00
Spaded Shovel	EA	\$30.00	\$30.00
Squeegee	EA	\$32.00	\$32.00

**UOM Price-Gulf Price-NE/SE/MW**

**OPA-90/ER Coverage, Site Walk & Documentation Fees**  
**CH will continue to invoice all locations on one invoice.**  
**CH will provide one PREP Equipment Deployment report to CITGO Corp.**

Annual Site Walk and Response Plan Listing Fee	EA	No Charge	No Charge
Annual Site Walk and Response Plan Listing (Unregulated) Fee	EA	No Charge	No Charge
Additional Site Walk (w/in 50 miles of CHES) Fee	EA	\$300.00	\$300.00
Multi-State/Multi-Site Response Plan Listing & Site Walk Fee	EA	\$1,600.00	\$1,600.00
OPA-90 PREP (EQP Deployment) Documentation Fee	EA	No Charge	No Charge
OPA-90 FRP Lstng (Secondary Cvrng, single-site) & Site Walk	EA	\$650.00	\$650.00
OPA-90 Additional Site Walk (w/in 50 miles of CHES)	EA	\$300.00	\$300.00
OPA-90 FRP Secondary Listing-Multi-Sites	EA	\$900.00	\$900.00

OPA-90 FRP Primary OSRO Listing-Single Site	EA	\$900.00	\$900.00
OPA-90 FRP Primary Listing-Additional Sites	EA	\$300.00	\$300.00
Etiological & Infectious Matl E/R Cvrq & Site Walk	EA	\$1,200.00	\$1,200.00
Additional Site Coverage (each site)	EA	\$300.00	\$300.00
Minimum Charge for ER or BioHaz Jobs	EA	\$2,000.00	\$2,000.00
After Action Report	EA	No Charge	No Charge
Safety Plan - Standard	EA	\$275.00	\$275.00
<b>Miscellaneous</b>			
#25 Filter Bag	EA	\$7.00	\$7.00
Acetylene Bottle	EA	\$40.00	\$40.00
Breathing Air Bottle Refill	EA	\$25.00	\$25.00
Collection Jar for Mercury Vacuum	EA	\$35.00	\$35.00
DOT Placards	EA	\$2.75	\$2.75
Dump Truck Bow	EA	\$25.00	\$25.00
Dump Truck Tow	EA	\$320.00	\$320.00
Filtration Bag for Mercury Vacuum	EA	\$21.00	\$21.00
Hand Cleaner	EA	\$25.00	\$25.00
Nitrogen Cylinder - 300 cuft	DAY	\$50.00	\$50.00
Propane Bottle	EA	\$60.00	\$60.00
Rolloff Bow	EA	\$30.00	\$30.00
Rolloff Tow	EA	\$350.00	\$350.00
Super Baffler Styrofoam Reusable Paint Filter, 20/case	CASE	\$160.00	\$160.00

**Emergency Response Analytical Rates**  
Unit of Measure is Each

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Organic Analyses</b>			
Acid Extractables - EPA method 625/8270	Each	\$248.00	\$248.00
Aromatic Volatile Organics - EPA method 602/8020	Each	\$105.00	\$105.00
Base/Neutral & Acid Extractables - EPA method 625/8270	Each	CALL	CALL
Base/Neutral Extractables - EPA method 625/8270	Each	\$285.00	\$285.00
Chlorinated Herbicides	Each	\$255.00	\$255.00
Extractable Petroleum Hydrocarbon, Deluxe - MA DEP EPH	Each	\$295.00	\$295.00
Extractable Petroleum Hydrocarbon, Standard - MA DEP EPH	Each	\$185.00	\$185.00
Halogenated Volatile Organics - EPA method 601/8010	Each	\$116.00	\$116.00
Hydrocarbon Identification & Quantification - EPA method 8100	Each	\$160.00	\$160.00
<b>Library Search GC/MS</b>			
BNA (20 substances of greatest apparent concentration)	Each	\$85.00	\$85.00
VOA (10 substances of greatest apparent concentration)	Each	\$65.00	\$65.00
Organochlorine Pesticides - EPA method 608/8080	Each	\$153.00	\$153.00
Organochlorine Pesticides & PCB - EPA method 608/8080	Each	\$195.00	\$195.00
Organophosphorous Pesticides - EPA method 8140	Each	\$336.00	\$336.00
PCBs, Oil - EPA method 600/4-81-045	Each	\$100.00	\$100.00
PCBs, Water or Solid - EPA method 608/8080	Each	\$116.00	\$116.00
PCBs, Wipe - EPA method 8080	Each	\$100.00	\$100.00
Polychlorinated Dioxins/Furans - EPA method 8280	Each	\$1,750.00	\$1,750.00
Polynuclear Aromatic Hydrocarbons by HPLC - EPA method 8310	Each	\$305.00	\$305.00
Total Petroleum Hydrocarbons as Diesel - EPA method 8015	Each	\$110.00	\$110.00

Total Petroleum Hydrocarbons as Gasoline - EPA method 8015	Each	\$97.00	\$97.00
Volatile Organics - EPA method 624/8260	Each	\$190.00	\$190.00
Volatile Petroleum Hydrocarbon, Deluxe - MA DEP VPH	Each	\$150.00	\$150.00
Volatile Petroleum Hydrocarbon, Standard - MA DEP VPH	Each	\$110.00	\$110.00

### Trace Metals Analyses

#### Individual Metals By:

Chromium Hexavalent - SM3500-Cr D/7196	Each	\$45.00	\$45.00
Direct Aspiration (Flame (AA) or ICP) - EPA Series 200/7000	Each	\$18.00	\$18.00
Graphite Furnace - EPA Series 200/7000	Each	\$30.00	\$30.00
Mercury - Cold Vapor - EPA Methods 245.1/7470/7471	Each	\$45.00	\$45.00

### Inorganic Analyses

Acidity - EPA method 305.1	Each	\$25.00	\$25.00
Alkalinity - EPA method 310.1	Each	\$25.00	\$25.00
Ash Content - ASTM D482-80	Each	\$45.00	\$45.00
Biochemical Oxygen Demand - EPA method 405.1	Each	\$45.00	\$45.00
Bromide - EPA method 320.1	Each	\$45.00	\$45.00
BTU (Heating Value) - ASTM D240-76	Each	\$132.00	\$132.00
Chemical Oxygen Demand - EPA method 410	Each	\$35.00	\$35.00
Chloride - EPA method 325.3	Each	\$25.00	\$25.00
Chlorine, Residual - SM 4500 Cl G	Each	\$25.00	\$25.00
Chlorine, Total - EPA method 330.5	Each	\$30.00	\$30.00
Cyanide, Amenable to Chlorination - EPA methods 335.1/9010	Each	\$60.00	\$60.00
Cyanide, Reactive - EPA method 7.3.3.2	Each	\$50.00	\$50.00
Cyanide, Total - EPA methods 335.2/9010	Each	\$45.00	\$45.00
Flashpoint - EPA method 1010/ASTM D1310-84	Each	\$40.00	\$40.00
Fluoride - EPA method 340.1	Each	\$30.00	\$30.00
Halogens, Total - ASTM Methods D808/D512	Each	\$140.00	\$140.00
Hardness - EPA method 130.2	Each	\$25.00	\$25.00

Nitrogen, Ammonia - EPA method 350.2	Each	\$35.00	\$35.00
Nitrogen, Kjeldahl - EPA method 351.3	Each	\$45.00	\$45.00
Nitrogen, Nitrate - EPA method 352.1	Each	\$35.00	\$35.00
Nitrogen, Nitrate & Nitrite - EPA method 353.2/352.1/354.1	Each	\$35.00	\$35.00
Nitrogen, Nitrite - EPA method 354.1	Each	\$30.00	\$30.00
Nitrogen, Organic - EPA methods 351.3/350.2	Each	\$60.00	\$60.00
Oil & Grease, Gravimetric, Total - EPA methods 413.1/9070	Each	\$60.00	\$60.00
Oil & Grease, Gravimetric, Petroleum Hydrocarbon - SM 5520F	Each	\$82.00	\$82.00
Oil & Grease, Infrared (IR), Total - SM 5520F	Each	\$80.00	\$80.00
Oil & Grease, Infrared (IR), Total & Petroleum Hydrocarbon -SM5520F	Each	\$85.00	\$85.00
Oil & Grease, Infrared (IR), Total Petroleum Hydrocarbon -EPA Method 418.2	Each	\$78.00	\$78.00
Paint Filter Test - EPA method 9095	Each	\$30.00	\$30.00
pH - EPA methods 150.1/9040/9045	Each	\$20.00	\$20.00
Phenols, Total - EPA methods 420.1/9065	Each	\$45.00	\$45.00
Phosphorous, Orthophosphate - EPA method 365.2	Each	\$35.00	\$35.00
Phosphorous, Total - EPA method 365.2	Each	\$45.00	\$45.00
Sieve Test - ASTM D422-63	Each	\$195.00	\$195.00
Solids, Settleable - EPA method 160.5	Each	\$20.00	\$20.00
Solids, Total - EPA method 160.3/SM 2540G	Each	\$20.00	\$20.00
Solids, Total Dissolved - EPA method 160.1	Each	\$25.00	\$25.00
Solids, Total Suspended - EPA method 160.2	Each	\$20.00	\$20.00
Solids, Total Volatile - EPA method 160.4	Each	\$25.00	\$25.00
Specific Conductance - EPA method 120.1	Each	\$20.00	\$20.00
Specific Gravity - ASTM D1429-76	Each	\$50.00	\$50.00
Sulfate - EPA method 375.4/9036	Each	\$30.00	\$30.00
Sulfide, Reactive - EPA method 7.3.4.2	Each	\$55.00	\$55.00
Sulfide, Total - EPA method 376.1/9030	Each	\$35.00	\$35.00
Sulfite - EPA method 377.1	Each	\$30.00	\$30.00
Sulfur - ASTM D129-64	Each	\$95.00	\$95.00
Surfactants - EPA method 425.1	Each	\$80.00	\$80.00
Total Organic Carbon - EPA methods 415.1/9060	Each	\$70.00	\$70.00

Turbidity - EPA method 180.1	Each	\$20.00	\$20.00
Viscosity - ASTM D455-88	Each	\$112.00	\$112.00

### Environmental Packages

#### Toxicity Characteristic Leaching Procedure

Base/Neutral & Acid Extractable Organics - EPA method 8270	Each	\$420.00	\$420.00
Chlorinated Herbicides - EPA method 8150	Each	\$215.00	\$215.00
Extraction for Metals, Base/Neutral & Acid Extractables, Pesticides and Herbicides - EPA method 1311	Each	\$80.00	\$80.00
Full TCLP Analysis	Each	\$1,295.00	\$1,295.00
Metals - EPA 7000 Series	Each	\$150.00	\$150.00
Organochlorine Pesticides - EPA method 8080	Each	\$155.00	\$155.00
Volatile Organics - EPA method 8260	Each	\$185.00	\$185.00
Zero Headspace Extraction - EPA method 1311	Each	\$105.00	\$105.00

### Appendix IX Analyses

Base/Neutral & Acid Extractable Organics - EPA method 8270	Each	\$645.00	\$645.00
Chlorinated Herbicides - EPA method 8150	Each	\$320.00	\$320.00
Cyanide - EPA method 9010	Each	\$40.00	\$40.00
Metals - EPA 7000 Series	Each	\$330.00	\$330.00
Organochlorine Pesticides - EPA method 8080	Each	\$280.00	\$280.00
Organophosphorus Pesticides - EPA method 8140	Each	\$320.00	\$320.00
Polychlorinated Dioxins/Furans - EPA method 8280	Each	\$1,750.00	\$1,750.00
Sulfide - EPA method 9030	Each	\$40.00	\$40.00
Volatile Organics - EPA method 8260	Each	\$310.00	\$310.00

### Surcharge Schedule

Surcharge for expedited turnaround, data within 24hrs - 100%

Surcharge for expedited turnaround, data within  
48hrs - 75%  
Surcharge for expedited turnaround, data within  
72hrs - 50%  
Surcharge for expedited turnaround, data within  
96hrs- 35%

#### **Waste Material Approval**

Profile Approval Fee (no sample required per  
permit)  
Profile Approval Fee & Sample Fingerprinting\*  
Profile Approval Fee & Sample Treatability\*

\*Plus Shipping

### **Emergency Response Notes**

#### **Price-Gulf**

1. All labor, equipment, materials and services outlined in this Schedule of Rates will be invoiced at the rates listed, regardless of Clean Harbors' (CHESI) method of acquisition. Any items not described in this Schedule of Rates which are acquired by CHESI shall be invoiced at CHESI cost plus a markup of thirty percent 17.5 %. (Unless otherwise specified, these rates are not valid for response to Infectious Agents/Biologicals.)

2. Lodging and subsistence for CHESI personnel and our subcontractors in the field are included in a per diem charge per person per day when working more than 50 miles from our closest operations center. The rate is outlined in the labor section of this document.

#### **Price- NE/SE/ MW**

1. All labor, equipment, materials and services outlined in this Schedule of Rates will be invoiced at the rates listed, regardless of Clean Harbors' (CHESI) method of acquisition. Any items not described in this Schedule of Rates which are acquired by CHESI shall be invoiced at CHESI cost plus a markup of thirty percent 17.5 %. (Unless otherwise specified, these rates are not valid for response to Infectious Agents/Biologicals.)

2. Lodging and subsistence for CHESI personnel and our subcontractors in the field are included in a per diem charge per person per day when working more than 50 miles from our closest operations center. The rate is outlined in the labor section of this document.

3. Joint decision between CITGO IH and CH will determine the level of protection required for each project. Level A, B, C or D personal protection and safety packages will be invoiced at the rates shown in the Schedule of Rates.
  4. The Schedule of Rates includes the cost of CHESI basic medical monitoring program. Any special medical monitoring required by the client or the nature of the work will be added to the project scope and the client will invoice at cost plus a markup of 15%.
  5. CHESI's personnel and equipment will be charged portal-to-portal (mobilization and demobilization included). Services provided prior, during and/or subsequent to actual project site activities will also be charged at the hourly rate. This includes, but is not limited to, time taken by personnel to decontaminate and re-don protective clothing and equipment that is billed as part of the project.
  6. CHESI's normal employee workday is 7:00 am to 3:30 pm, Monday through Friday. Other work hours must be agreed to in writing in advance. No more than eight (8) hours of straight time will be billed for one person for one day. All time will be based upon a 24 hour day.
  7. All hours worked in excess of eight (8) hours in the normal workday, as described above, as well as all hours worked all day Saturday are considered overtime and will be billed at 1.5 times the applicable straight time rate for all billable personnel.
  8. Sunday and Holidays are considered premium time and will be billed at 2.0 times the applicable straight time rate for all billable personnel. Holidays are the legally observed United States Federal Holidays plus the day after Thanksgiving. When local laws or regulations recognize additional holidays or when local laws or regulations define premium hours in excess of this definition, CHESI will invoice in accordance with local laws or regulations.
3. Joint decision between CITGO IH and CH will determine the level of protection required for each project. Level A, B, C or D personal protection and safety packages will be invoiced at the rates shown in the Schedule of Rates.
  4. The Schedule of Rates includes the cost of CHESI basic medical monitoring program. Any special medical monitoring required by the client or the nature of the work will be added to the project scope and the client will invoice at cost plus a markup of 15%.
  5. CHESI's personnel and equipment will be charged portal-to-portal (mobilization and demobilization included). Services provided prior, during and/or subsequent to actual project site activities will also be charged at the hourly rate. This includes, but is not limited to, time taken by personnel to decontaminate and re-don protective clothing and equipment that is billed as part of the project.
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  7. All hours worked in excess of eight (8) hours in the normal workday, as described above, as well as all hours worked all day Saturday are considered overtime and will be billed at 1.5 times the applicable straight time rate for all billable personnel.
  8. Sunday and Holidays are considered premium time and will be billed at 2.0 times the applicable straight time rate for all billable personnel. Holidays are the legally observed United States Federal Holidays plus the day after Thanksgiving. When local laws or regulations recognize additional holidays or when local laws or regulations define premium hours in excess of this definition, CHESI will invoice in accordance with local laws or regulations.

9. All emergency call-outs (i.e., less than 24-hour notice) will be subject to a minimum four (4) hour response charge or \$2000.00 minimum charge, whichever is greater. Minimum charges do not apply to Transportation and Disposal.
10. A mobile communication charge of \$50 per day for will apply for each foreman and all supervisor personnel for all emergency response projects.
11. Charges for Safety Plans are assessed on all Emergency Response projects, or those involving OSHA regulated substances. Site Specific Health & Safety Plans prepared for the customer, or as required by applicable regulations, will be quoted on an individual basis.
12. A variable Energy and Security Recovery Fee (that fluctuates with the DOE national average diesel price), will be applied to the cost of fuel only. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
13. For the purposes of determining proper wages to be paid on prevailing wage projects, Field Technician and Senior Field Technician shall be defined as equivalent to the "Laborer" job description from the wage determination. Other CHESI job titles should be consistent with existing prevailing wage categories.
14. For equipment identified in this Schedule of Rates that includes a daily rate, a "Day" is defined as not more than 24. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
- All emergency call-outs (i.e., less than 24-hour notice) will be subject to a minimum four (4) hour response charge or \$2000.00 minimum charge, whichever is greater. Minimum charges do not apply to Transportation and Disposal.
- A mobile communication charge of \$50 per day for will apply for each foreman and all supervisor personnel for all emergency response projects.
- Charges for Safety Plans are assessed on all Emergency Response projects, or those involving OSHA regulated substances. Site Specific Health & Safety Plans prepared for the customer, or as required by applicable regulations, will be quoted on an individual basis.
- A variable Energy and Security Recovery Fee (that fluctuates with the DOE national average diesel price), will be applied to the cost of fuel only. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
- For the purposes of determining proper wages to be paid on prevailing wage projects, Field Technician and Senior Field Technician shall be defined as equivalent to the "Laborer" job description from the wage determination. Other CHESI job titles should be consistent with existing prevailing wage categories.
- For equipment identified in this Schedule of Rates that includes a daily rate, a "Day" is defined as not more than 24. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.

15. For equipment identified in this Schedule of Rates that includes a weekly rate, a "Week" is defined as not more than seven (7) Daily Rate charges in a seven (7) day period, Monday through Sunday. The equipment will be subject to additional days or hours in excess of seven (7) Daily Rate charges in a week, not to exceed two weekly charges in a single 7 day week, Monday through Sunday.

For equipment identified in this Schedule of Rates that includes a weekly rate, a "Week" is defined as not more than seven (7) Daily Rate charges in a seven (7) day period, Monday through Sunday. The equipment will be subject to additional days or hours in excess of seven (7) Daily Rate charges in a week, not to exceed two weekly charges in a single 7 day week, Monday through Sunday.

16. All waste disposal from project and or response activities will be charged additionally to the rates lists herein. A Waste Document Preparation Fee of \$75.00 per day will apply to any work generating waste. The fee includes labels, manifests/bills of lading and profiles.

All waste disposal from project and or response activities will be charged additionally to the rates lists herein. A Waste Document Preparation Fee of \$75.00 per day will apply to any work generating waste. The fee includes labels, manifests/bills of lading and profiles.

17. Standby charges will be negotiated on a case-by-case basis.

Standby charges will be negotiated on a case-by-case basis.



**24-HR EMERGENCY RESPONSE  
(800) OIL-TANK  
(800) 645-8265**

**EMERGENCY RESPONSE  
RESOURCE BOOK**

**MANAGED BY THE CLEAN HARBORS NATIONAL RESPONSE TEAM (NRT)**



## COMPANY QUALIFICATIONS

Clean Harbors Environmental Services (CHES) is a multidisciplinary company of managers, supervisors, equipment operators, engineers, biologists, chemists, skilled craftsmen and experienced technicians. It is from the varied background of its employees that CHES has emerged as the leader in providing Oil Spill Response services in the Northeast, Midwest, Mid-Atlantic and Southeast regions. This dedication to Oil Spill Response coupled with CHES's full range of environmental services has made CHES the premier provider of spill clean-up services.

Clean Harbors provides 24-hour emergency oil spill response services to a diversified group of customers on an integrated basis. These services are typically provided to petroleum, chemical, transportation, utility, industrial firms, other waste management companies and regulatory agencies in the more than 40 states where we operate. Our clients include the majority of the Fortune 500 companies, thousands of smaller private entities and numerous governmental agencies including the U.S. Coast Guard and Environmental Protection Agency.

Clean Harbors maintains 74 service locations, 48 treatment, storage and disposal (TSD) facilities and 5 incineration facilities serving 36 states, 6 Canadian Provinces, Mexico, and Puerto Rico. We employ over 4400 personnel, 800 of which are actively involved in oil and hazardous material related services and of these, 500 are experienced in oil and hazardous materials emergency response containment and clean-up.

Throughout its 25-year history, Clean Harbors has responded to numerous incidents involving large tankers, barges, transportation, refinery, pipeline and storage facility incidents, as well as natural disasters.

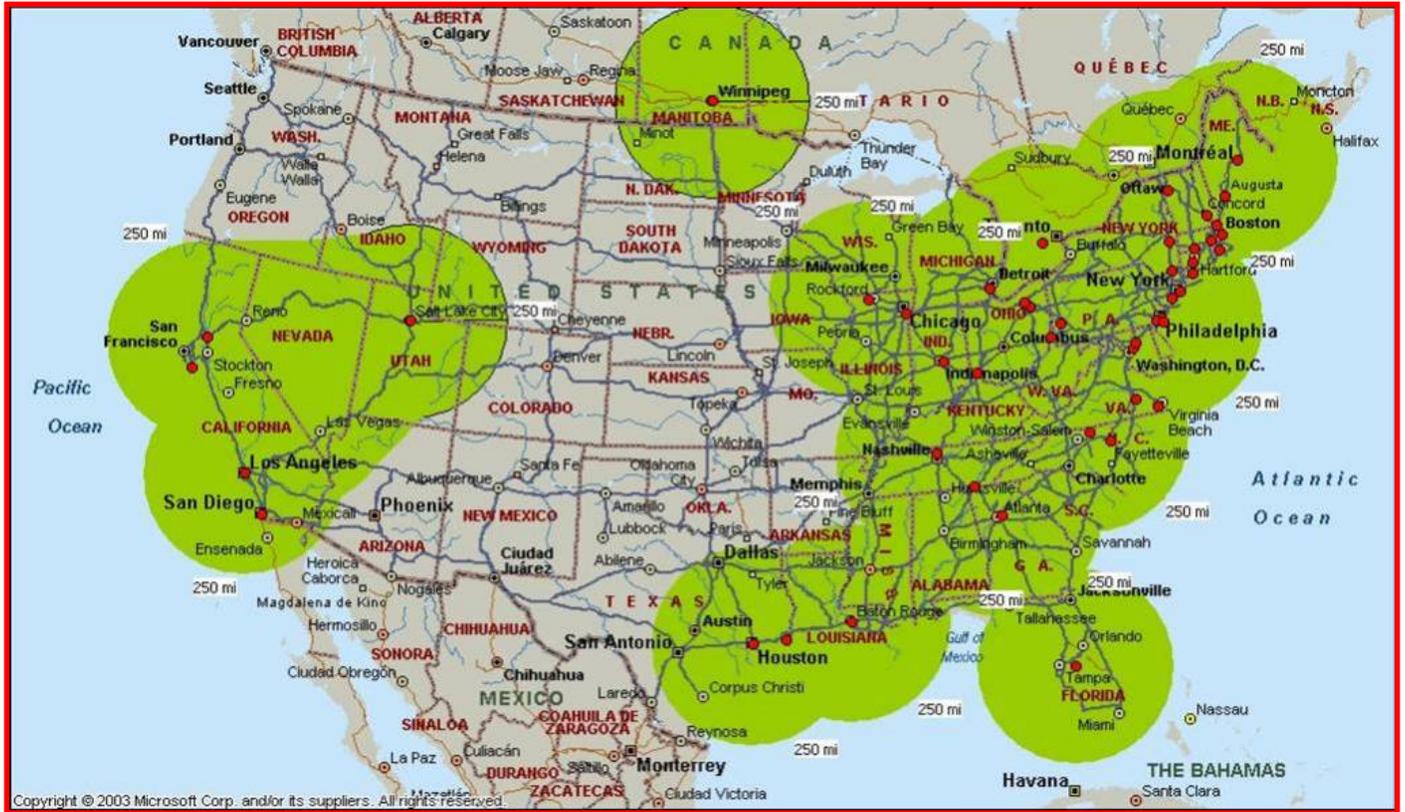
Clean Harbors offers its customers not only 24-hour Emergency oil spill response, but also the necessary backup components to complete an entire project. Services such as environmental remediation including surface remediation, groundwater restoration, underground storage tank management, and site decontamination are essential to successful emergency response activities. Their remedial programs are designed to provide both planned and emergency services to the variety of environmental situations that can develop from an emergency spill.

Our Waste management offering includes the collection, treatment, resource recovery, transportation and disposal of oil spill debris and other wastes generated as a result of a spill. Clean Harbors has four out of our nineteen hazardous waste treatment/transfer facilities designed specifically for oil treatment/recycling and storage. In addition, their waste management includes the treatment, storage and disposal of most hazardous, industrial, and toxic wastes as well as oil spill liquid and solid residue.

Technical capabilities include the environmental engineering group and certified analytical capabilities. These services, coupled with our remedial and waste management capabilities, allow us to offer a complete solution to complex environmental requirements.

For an in-depth, comprehensive look at all services provided by Clean Harbors, please visit our website at [www.cleanharbors.com](http://www.cleanharbors.com).

# EMERGENCY RESPONSE COVERAGE MAP



Coverage Map Updated February 2, 2006

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## STATEMENT OF PURPOSE

This booklet is provided to assist all those involved in emergency response services. The booklet contains names and phone numbers of key personnel in various departments who may be needed "on" or "off" hours to support an emergency response incident.

The listing will be updated twice a year and distributed to managers and supervisors in all divisions involved in emergency response operations.

Clean Harbors Environmental Services  
Attn: Brian Pott  
pott.brian@cleanharbors.com  
Response Preparedness Division  
42 Longwater Drive  
Norwell, MA 02061-9149

## SERVICE CENTERS

### NORTHEAST REGION SERVICE CENTERS

<b>BANGOR, ME SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(207) 262-9504</b>
<b>40B Carey Circle</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Hampden, ME 04444</b>	<b>Fax #</b>	<b>(207) 262-9560</b>

Matt Quinn, General Manager  
Jason Babbidge, Operations Manager

EPA / Federal ID #: N/A

#### Personnel Authorized to release equipment / materials / manpower, etc:

Matt Quin  
Ray Babbidge  
Jason Babbidge

#### 40-Hour OSHA Trained Personnel:

Supervisor	2
Foreman	2
Field Technician I	4
Equipment Operator	3

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
21 ft Pointer	Searsport	115 H.P.	1
12 ft Jon Boat	Bangor	10 H.P.	1
<b>(2) Motor Vehicles</b>			
Rack Truck	Bangor	10 Wheel	1
Pickup Truck	Bangor	4x4	1
Pickup	Bangor	3/4 Ton Ford	2
High Power Vacuum Truck	Bangor	3000 gal Pressvac	1
<b>(3) Pumps and Pressure Equipment</b>			
Hotsy Pressure Washer	Bangor	3,000 PSI - trailer mounted	1
Wilden Diaphragm Pump	Bangor	2" Oil	2
Wilden Diaphragm Pump	Bangor	3" Oil	1
Air Driven Drum Pump	Bangor	2"	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Bangor	Langerman 18"	2200'
Log Boom	Bangor		10 bales
Snare	Bangor		16 bales
Pads	Bangor		80 bales
<b>(5) Environmental Monitoring Equipment</b>			
Photoionisation Meter	Bangor	HNU P101	1
Oxygen LEL Meter	Bangor	MSA Miniguard II	1
Drager Pump	Bangor	with Miscellaneous Tubes	1
Passport	Bangor		1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(6) Recovery Equipment</b>			
Portable Tanks	Bangor	300 Gallons Stainless Steel	2
Portable Tanks	So. Portland	400 gallon Poly	2
Skid Mount Vacuum Unit	Bangor	1000 gallon	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Compressor	Bangor	Diesel 185 cfm	1
Generator	Bangor	Honda/5500 Homelite	1
Light Towers	Bangor	Electric 4' high	1
<b>(9) Health and Safety Equipment</b>			
Portable Eye Wash Unit	Bangor		4
Scott Supplied Air System	Bangor		3
Scott Pak	Bangor		1
Rogliss & Tripod	Bangor		1
Safety Harness	Bangor		4
DBI & Tripod	Bangor		1
<b>(10) Communications</b>			
Cellular Phones	Bangor		2
Marine Base Station	Searsport		1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

<b>SOUTH PORTLAND, ME SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(207) 799-8111</b>
<b>17 Main Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>South Portland, ME 04106</b>	<b>Fax #</b>	<b>(207) 799-0349</b>

Matt Quinn, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Matt Quinn  
Jack Vallely  
Ken Burbank

**40-Hour OSHA Trained Personnel:**

Supervisor	6
Foreman	5
Field Technician I	10
Field Technician II	1
Equipment Operator	12

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
21' Pointer	South Portland	120 HP motor	1
12' Aluminum	South Portland	6 HP motor	2
20' Trail Boss	South Portland	30 HP motor	1
20' Seaway	South Portland	90 HP motor	1
22' Monarch	South Portland	150 HP motor	1
21' Alumacraft	South Portland	130 HP motor	1
<b>(2) Motor Vehicles</b>			
Vacuum Truck Straight	South Portland	3,000 gal.	2
Vacuum Split Trailers	South Portland	6,000 gal	2
Vacuum Trailer	South Portland	6,000 gal	3
High Powered Vacuum Loader	South Portland	Cusco - 3,000 gal / 10 cu. yd.	1
Vacuum Skid	South Portland	3,000 gal	1
Vacuum Skid	South Portland	300 gal	1
Box Trailer	South Portland	40'	2
Box Truck	South Portland	10 wheel	1
Pick-Up Trucks	South Portland	Ford	9
Frac Tanks	South Portland	20,000 gal	4
Drop Deck Trailer	South Portland	Roll Off Capable	1
Detachable Low Bed Trailer	South Portland	Over Size Hauling	1
Roll Off Trailer	South Portland	17 Yards	1
Tag along Trailer	South Portland		1
Spill Trailer	South Portland		1
10 Wheel Dump Truck	South Portland	10 yards	1
<b>(3) Pumps and Pressure Equipment</b>			
Wilden Diaphragm Pump	South Portland	2"	2
Wilden Diaphragm Pump	South Portland	2" Chemical	1
Wilden Diaphragm Pump	South Portland	3"	1
Adaps Hydraulic Pump	South Portland	4"	1
Bowie Pump (Hydraulic)	South Portland	3"	1
Hotsy on Trailer	South Portland	2,500 PSI	3

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	South Portland	Langerman 18"	2400'
Oil Containment Boom	South Portland	American Marine 44"	2500'
Oil Containment Boom	South Portland	American Marine 24"	3500'
Oil Containment Boom	South Portland	Global 14"	3400'
Oil Containment Boom	South Portland	Global 14"	2000'
Oil Containment Boom	South Portland	American Marine 18"	2000'
<b>(5) Environmental Monitoring Equipment</b>			
HNU Meter	South Portland	P101	1
MSA Gas Indicator	South Portland	Miniguard II	4
Passport Meter	South Portland	LEL, O2, Hyd. Sulf.	2
<b>(6) Recovery Equipment</b>			
Portable Tanks	South Portland	400 gallon Poly	2
Sea Slug Towable Fuel Bladder	South Portland	Model #FCB-43E, 4300 gallons	1
Skimmer	South Portland	ORD Disc Skimmer hydraulic	1
Skimmer	South Portland	Drum Skimmer air	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavator	South Portland	Cat 235 Track	1
Backhoe	South Portland	CAT 436	1
Bobcat	South Portland	843, Skidsteer	1
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Portable Compressor	South Portland	185 CFM; Diesel	3
Generator	South Portland	120 watt	3
<b>(9) Health and Safety Equipment</b>			
CSE Entry Gear	South Portland	Tripod, DBI	2
Coppus Blower	South Portland		2
Coppus Blower	South Portland	Electric	2
Supplied Air packs	South Portland	Scott	6
Breathing Air Tanks	South Portland		20
<b>(10) Communications</b>			
Portable marine radios	South Portland		7
Base Marine Radio	South Portland		1
2-way Mobile Radios	South Portland	Nextel	27
Company Base Radio	South Portland	Nextel	1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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**Portland Tugboat & Ship Docking Co., Inc.**

P.O. Box 15049  
 Portland, Maine 04112  
 (207) 774-2902  
 (207) 773-5659

**Contact:**

Arthur Fournier  
 Brian Fournier

**Services Provided:**

Tug Boat Services

**Winslow Tugs**

26 Andrews Avenue  
 Falmouth, Maine 04105  
 (207) 780-8847

**Contact:**

Dave Winslow

**Services Provided:**

Tug Boat Services

**General Marine Constructors**

Deaks Wharf  
 Portland, ME 04101  
 (207) 772-5354

**Contact:**

Roger Hale

**Services Provided:**

Barge and tug boat

**Industrial Welding & Machine, Inc.**

430 Commercial Street - P.O. Box 1004  
 Portland, Maine 04104  
 (207) 773-8482  
 (207) 767-3561 Nights and Holidays

**Contact:****Services Provided:**

Welding service

**National Response Corp**

P.O. Box 7210  
 Portland, Maine 04112  
 (207) 767-7112

**Contact:**

Joe McCarthy

**Services Provided:**

Barge skimmer Service

**Marine Spill Response Corp.**

14 Union Wharf  
 Portland, Maine 04101  
 (207) 780-8801

**Contact:**

Tom Gallant

**Services Provided:**

Large boat , skimmer service

<b>BOW, NH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(603) 224-6626</b>
<b>#20 Dunklee Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bow, NH 03304</b>	<b>Fax #</b>	<b>(603) 224-6778</b>

Steve Brown, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Steve Brown  
Joe MacDonald

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	2
Foreman	5
Field Technician I	3
Equipment Operator	4

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Workboat	Bow	14FT Lund-15HP Honda O/B	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Bow	F350	4
Pickup Truck	Bow	Chevy	1
Cusco	Bow	Cusco-498	1
Vacuum Truck (Straight)	Bow	447	1
Rack Truck	Bow	w/ Liftgate	1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump		2" DD	3
Double Diaphragm Pump		3" DD	2
<b>(4) Oil Spill Containment Booms</b>			
Boom	Bow	18" Boom	200'
<b>(5) Environmental Monitoring Equipment</b>			
Explosion meter	Bow	Minigard II	2
HNU	Bow	PI101	2
Passport Exp Meter	Bow	Passport	2
<b>(6) Recovery Equipment</b>			
Portable Storage Tank	Bow	2000 gal. poly	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Loader	Bow	753	1
<b>(8) Generators / Compressors / Light Towers</b>			
Light Tower	Bow		2
Generator	Bow	Honda	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
30 Minute Airline	Bow	30 Minute	1
Hip Air Breathing Apparatus	Bow	5 Min. Escape	3
Air Work Mask 30 Min.	Bow	MSA	3
<b>(10) Communications</b>			
2-Way Radio	Bow	Nextel	8
<b>(11) Miscellaneous</b>			
2" Chemical Hose	Bow	Camlock Fittings = 400' plastic, 400' ss	800'
2" Oil	Bow		800
3" Chemical Hose	Bow	Camlock Fittings (stainless)	600'
2" Oil	Bow	Camlock Fittings	600'
4" Oil	Bow	Camlock Fittings (aluminum)	900'

<b>Emergency Response Subcontractors</b>
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**Cab Services**  
Dover, NH

**Contact:**

**Services Provided:**  
Vacuum Equipment

<b>BOSTON, MA AREA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(781) 803-4100</b>
<b>609 Pleasant Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>South Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 803-4168</b>

Tom Kelley, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Steve Ritucci  
Tom Kelley  
Harry Davidson  
Adam Purcell

Mark Purcell  
John Barry

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	10
Foreman	16
Equipment Operator	22
Field Technician	25

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
7' Skiff Boat	Weymouth	Open Aluminum	1
12' Flat bottom	Weymouth	Aluminum	1
14' Starcraft	Weymouth	Aluminum (Interchangeable 15hp motor)	2
14' Sears Flat bottom	Weymouth	Aluminum - 15hp outboard	1
17' Starcraft	Weymouth	Aluminum - 25 hp outboard	1
21' Carolina skiff	Weymouth	F berglass - 88 hp outboard	1
<b>(2) Motor Vehicles</b>			
Vacuum Tractor Trailers	Weymouth	4,000/5,000/6,000 gals	10
Cusco High Powered Vacuum Truck	Weymouth		4
Cyclone Vactor/Guzzler	Weymouth	93 Mack	5
Vactor (Jet Rodder)	Weymouth	54,000 91 Mack	1
Vacuum Trucks S.S.	Weymouth	3,000 & 3,500 gals	7
Box Truck- Prime Mover	Weymouth	81 International	1
Straight Box Trucks	Weymouth	Ford	1
Box Trailers	Weymouth		3
Bulk Hopper	Weymouth	89 Fruehauf	1
Frac Tanks	Weymouth	22,500 gallons	6
Rack Truck	Weymouth	5151, 5142, 552	3
10 Wheel Dump Truck	Weymouth	5252	1
Trailer (Lowboy)	Weymouth	50 TON	1
Pickup Trucks	Weymouth	82-89 Various	23
Roll-off frames	Weymouth	463, 4131	3
Dump Trailer	Weymouth		1
Tag-a-long Trailer	Weymouth		2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Wilden Diaphragm Pump	Weymouth	M-15 3"	3
Wilden Diaphragm Pump	Weymouth	M-8 2"	2
Wilden Diaphragm Pump	Weymouth	1 1/4 "Poly	2
Wilden Diaphragm Pump	Weymouth	1 1/2 " M-4	1
Wilden Diaphragm Pump	Weymouth	1 1/4 " M-2	1
Wilden Diaphragm Pump	Weymouth	2" Champ Poly (chemical)	2
6" Double Stage Hyd Super Pump	Weymouth	6"	1
Lutz Electric Barrel Pump	Weymouth	1"	3
Drum Vacuums	Weymouth		4
Van Hotsy	Weymouth	96 Ford - 300 psi Hot Water	1
Hot water Hotsy	Weymouth	3000 psi, trailer mounted	1
Hot water Hotsy	Weymouth	3000 psi, portable, skid mount	2
Cold Water Pressure Washer	Weymouth	2000 psi, electric, portable	5
Warren Rupp	Weymouth	1" SA1A/SB1A	2
Teel Pump	Weymouth	5H 2" Trash Pump	4
Vactor Hose	Weymouth		1,000'
Discharge Hose	Weymouth	6"	500'
Discharge Hose	Weymouth	4"	500'
Teel Pump	Weymouth	3"	3
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Weymouth	American Marine 18"	2200'
Oil Containment Boom	Weymouth		1500'
Oil Containment Boom	Weymouth	Langerman 18"	1100'
<b>(5) Environmental Monitoring Equipment</b>			
MSA Gas Indicator	Weymouth	Micro Guard	7
MSA Gas Indicator	Weymouth	Passport Quad	4
Draeger Pump	Weymouth	Accuru	5
MSA PIDs	Weymouth	Passport PIDs	5
<b>(6) Recovery Equipment</b>			
Skidmount Vacuum Unit	Weymouth	1000 gal	1
Skimmer	Weymouth	Skimpac 18000 series	2
Elastec Drum Skimmer	Weymouth	TDS118	1
Recovery Tank	Weymouth	2500 gal	2
Recovery Tank	Weymouth	1000 gal	1
Nilfisk Mercury Vacuum	Weymouth		2
HEPA Filter Vacuum	Weymouth		3
HEPA Filter Vactor	Weymouth		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat	Weymouth	Backhoe/Sweeper /Pavement Breaker	2
Backhoe	Weymouth	436 Cat	2
Cat Excavator	Weymouth	Cat 315 Track	1
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Portable Compressor	Weymouth	185 Diesel	5
Winco Generator	Weymouth	K4800/A	2
Coppus Blower	Weymouth	4" Pneumatic	3
Coppus Blower	Weymouth	8" Pneumatic	1
Coppus Blower	Weymouth	10" Pneumatic	1
Coppus Fan	Weymouth	RF-20	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
MSA S.C.B.A.	Weymouth	1 Hour/4500	10
Spare Air Cylinders	Weymouth	4500 PSI (1 HR)	8
MSA SAR	Weymouth	Pressure Demand	4
MSA Escape Units	Weymouth	5 Minutes	7
Encapsulating Suits	Weymouth	First Responder	3
Encapsulating Suits	Weymouth	Butyl	2
Mustang Suits	Weymouth	Foul Weather PFD	6
Flame Retardant Suits	Weymouth		2
Air Hose	Weymouth		600'
Hydraulic Hose	Weymouth		650'
Line	Weymouth	600' Coils	2
Personal Floatation Devices	Weymouth		40
Survival Suits	Weymouth		6
<b>(10) Communications</b>			
Nextel 2-Way Portable Radio/Phones	Weymouth		66
Nextel Base Station	Weymouth		1
Marine Radios	Weymouth	Portable	2
<b>(11) Miscellaneous</b>			
Leroi Jackhammer	Weymouth	30 / 60 / 90 lbs.	3
Stihl Chain Saw	Weymouth		1
Amida Light Stand	Weymouth	50600	2
Amida Towable Light Tower	Weymouth	GS-82	1
Lincoln Welder	Weymouth		1
Forklift	Weymouth	5 Ton	2

<b>Emergency Response Subcontractors</b>
--

**Boston Line & Service Co.**  
Black Falcon Cruise Terminal

1 Black Falcon Ave.  
Boston, MA 02210  
(617) 951-9957

**Contact:**  
Barry M. Cox

John J. Rinkus  
Tim Shea  
Paul Fratic

**Services Provided:**  
Tug, Boom & Barge  
services

**Boston Towing and Transportation**

36 New Street  
East Boston, MA 02128  
(617) 567-9100  
(617) 567-5896 FAX

**Contact:**  
Phillip K. Chase, GM

**Services Provided:**  
Tug Boat Services

**City Lights Electrical Co., Inc.**

556 East Broadway  
South Boston, MA 02127  
Tel # (617) 269-5777  
Fax # (617) 269-7616

**Contact:**  
MaryAnne Cataldo

**Services Provided:**

**Environmental Staffing**

1 New England Executive Park  
Burlington, MA 01803  
(781) 221-7444

**Contact:**

**Services Provided:**  
Labor

<b>Emergency Response Subcontractors Cont.</b>
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<b>Onsite Environmental</b> 150 Wood Road, Suite 107 Braintree, MA 02184 (781) 794-1790 (800) 546-6447	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Taylor Oil Company</b> P.O. Box 538 Stoughton, MA 02072 (617) 341-0086	<b>Contact:</b>	<b>Services Provided:</b> Fuel Supplies
<b>Baker Tanks</b> 193 Hartford Turnpike Shrewsbury, MA 01545 (508) 799-6669	<b>Contact:</b>	<b>Services Provided:</b> Portable Tanks
<b>Fishburn Services, Inc.</b> 5012 State Rt. 229, P.O. Box 278 Marengo, OH 43334 (419) 253-6031	<b>Contact:</b>	<b>Services Provided:</b> Portable Tanks
<b>Tino's Tow Service</b> 61 Copeland Street Quincy, MA 02169 (617) 472-0655	<b>Contact:</b>	<b>Services Provided:</b> Transportation
<b>Northeast Diving Services, Inc.</b> 28 West Narragansett Avenue Newport, RI 02840 (401) 841-0446	<b>Contact:</b>	<b>Services Provided:</b> Transportation
<b>Northeast Tank</b> 349 Lincoln Street, Building 48 Hingham, MA 02043 (781) 740-4090	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Eastern States Equipment</b> 18 Wolcott Street Jamaica Plain, MA (617) 364-9280	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Hertz Equipment Rental</b> 45 Gerand Street Boston, MA (617) 442-4210	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment

<b>WORCESTER, MA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(508) 839-5798</b>
<b>188 Rear Worcester Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>North Grafton, MA 01536</b>	<b>Fax #</b>	<b>(508) 839-9058</b>

David Laudani, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Dave Laudani  
Steve Ritucci  
Tom Kelley  
Harry Davidson

Adam Purcell  
Mark Purcell  
John Barry

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Foreman	1
Field Tech II	2
Field Tech I	3

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
14' Workboat	No. Grafton	Flat Bottom, Aluminum	1
<b>(2) Motor Vehicles</b>			
Pickup	No. Grafton	98 Ford F150, Fleet # 8425	1
Pickup	No. Grafton	01 Chevy 2500, Fleet # 8464	1
Boom Trailer	No. Grafton		1
Emergency Response Trailer	No. Grafton	01 HAUJ SE , Fleet # CH2315	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Double Diaphragm	No. Grafton	M8 Poly	2
Pressure Washer (2600 psi)	No. Grafton	Cold Water	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Spill Containment Boom	No. Grafton	18" American Marine 800' (On Trailer)	800'
<b>(5) Environmental Monitoring Equipment</b>			
PID Meter	No. Grafton	RAE Systems Multi-Gas Monitor VOC	1
Explosion Meter	No. Grafton	Multi Ray 4 gas/PID	1
Sensidine Pumps	No. Grafton		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Portable Air Compressor	No. Grafton	Ingersoll Rand 125 CFM	1
Coppus Blower	No. Grafton	Pneumatic	1
Blower	No. Grafton	Gasoline	1
<b>(9) Health and Safety Equipment</b>			
MSA SCBA	No. Grafton	1 hour/4500	2
MSA Escape Units	No. Grafton	5 minutes	2
Extraction Device	No. Grafton	With Tripod	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Nextel Radio/Phone	No. Grafton	Nextel	3
Two-Way Radio	No. Grafton	Motorola (Hand Held)	2
<b>(11) Miscellaneous</b>			
Drum Vacuum	No. Grafton	Electric & Pneumatic	2
Hepa Vacuum	No. Grafton	With 12 Filters/Hose	1
Ladders (Step)	No. Grafton	6' - 14'	3
Ladders (Tank)	No. Grafton	Stainless Steel / Sectional	1

<b>Emergency Response Subcontractors</b>
--

**Baker Tanks**

102 Old Worcester Road  
 Oxford, MA 01540  
 24 Hour # - (800) BAKER12

**Contact:**

Jim Murray

**Services Provided:**

Portable Storage Tanks

<b>PROVIDENCE, RI SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(401) 431-1847</b>
<b>8 Dexter Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>East Providence, RI 02914</b>	<b>Fax #</b>	<b>(401) 431-2154</b>

Brian Fleet, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Fleet  
Peter Joseph  
Chris Kailher  
John Whyte

**40-Hour OSHA Trained Personnel:**

Supervisor	4
Foreman	5
Equipment Operator	5
Field Technician	7

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
23' Carolina 238 – EKHX0733C000	Providence	90 hp / Fleet # V217 / ME Reg# ME11NAC	1
18' Pointer – MSZ000897E393	Providence	88 hp / Fleet # V149 / MA Reg# MS7162KA	1
12' Sylvan – SYL44076J596	Providence	Fleet # V159 / MA Reg# MS2409KR	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Providence	2005 Ford F-350	2
Pickup Truck	Providence	2003 Ford F-350	2
Pickup Truck	Providence	2000 Chevrolet C-3500	1
Pickup Truck	Providence	1999 Ford F-350	1
Pickup Truck	Providence	1999 Ford F-150	1
Pickup Truck	Providence	1998 Chevrolet C-2500	2
Tractor	Providence	Kenworth / Fleet # 1148	1
Tractor	Providence	1995 Mack / Fleet # 1156	1
Box Truck	Providence	1993 Ford L-8000 / Fleet # 5117	1
Vacuum Truck (Cusco)	Providence	2004 Freightliner / Fleet # 4155	1
Vacuum Truck (Guzzler)	Providence	2004 Freightliner / Fleet # 4164	1
Utility Trailer – Manhole	Providence	Fleet # CH305 / ME Reg# 0739425	1
Utility Trailer	Providence	Fleet # CH2148 / MA Reg# 486208	1
Utility Trailer	Providence	Fleet # CH235 / MA Reg# 151533	1
Utility Trailer	Providence	Fleet # 2155 / ME Reg# 0739379	1
<b>(3) Pumps and Pressure Equipment</b>			
Diaphragm Pump	Providence	Wilden 3" Aluminum	2
Diaphragm Pump	Providence	Wilden 2" Aluminum	3
Diaphragm Pump	Providence	Wilden 2" Poly	1
Centrifugal Pump	Providence	Multiquip 2"	1
Centrifugal Pump	Providence	Multiquip 3"	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Providence	American Marine 18" /Optimax I	2000'
Utility Trailer – (1000' – 18" Boom)	Providence	Fleet # CH217 / ME Reg# 0739383	1000'
Box Trailer – (1500' – 36" Boom)	Providence	Fruehauf	1500'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter (O2 / LEL / CO / H2S)	Providence	MSA Passport	4
Organic Vapor Monitor	Providence	MSA Passport PID	4
Gastec Toxic Monitoring Pumps	Providence	Various Colorimetric Tubes	3
Lumex Meter	Providence	Ohio Lumex Mercury Vapor Monitor	1
<b>(6) Recovery Equipment</b>			
Towable Bladder	Providence	Sea Slug 4300 Gallons	1
Containment Bladder	Providence	300 Gallons	3
Portable Tank	Providence	500 Gallons	1
Skimmer – Rope Mop	Providence	Crowley / Alden 210 gph – CAAA4F105	1
Skimmer – Rope Mop	Providence	Crowley / Alden 210 gph – CAAA4F106	1
Skimmer – Barrel	Providence	Barrel Skimmer	1
Oil Hose	Providence	2"	500'
Oil Hose	Providence	3"	200'
Chemical Hose	Providence	2"	150'
Chemical Hose	Providence	3"	150'
Wash Hose	Providence	1-1/4"	600'
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Skid Steer Loader	Providence	Bobcat / Fleet # EQ1115	1
<b>(8) Generators / Compressors / Light Towers</b>			
Electrical Generator	Providence	5500 Watt	2
Air Compressor	Providence	Sullair 185 cfm	2
<b>(9) Health and Safety Equipment</b>			
Supplied Air Respirator	Providence	MSA – With 5 Minute Escape Bottle	8
SCBA	Providence	MSA – 1 Hour (4500 psi)	4
SCBA – Spare Cylinders	Providence	MSA – 1 Hour (4500 psi)	8
Chemical Protective Suits	Providence	N-Butyl – Level A	2
Chemical Protective Suits	Providence	1st Responder – Level A	2
Thermal Protective Suits	Providence	Nomex Flash Suits	2
Anti-Exposure Suits	Providence	Stearns (Mustang)	4
Extraction / Retrieval Devices	Providence	Rollgliss / DBI	4
Safety Harness	Providence	Full Body	8
<b>(10) Communications</b>			
Marine VHF Radio	Providence	Hand Held (Intrinsically Safe)	2
VHF Radio	Providence	Hand Held (Not Intrinsically Safe)	4
2-Way Radio	Providence	Nextel	12
<b>(11) Miscellaneous</b>			
Ventilation Blower	Providence	Coppus / Vano – 4" Pneumatic	2
Ventilation Blower	Providence	Coppus / Vano – 8" Pneumatic	2
Ventilation Blower	Providence	Coppus / Vano – 8" Electric	1
Ventilation Blower	Providence	Coppus / Vano – 24" Pneumatic	1

<b>Emergency Response Subcontractors</b>		
<b>Coast Line &amp; Service, Co.</b> Providence, RI 02905 (401) 864-3602 Pager: (401) 938-0329	<b>Contact:</b> Stuart Cornell	<b>Services Provided:</b> Tow Boats
<b>Harbor Ready Marine</b> Wickford, RI (401) 295-8711	<b>Contact:</b> John Andrews	<b>Services Provided:</b> Kropp Rescue
<b>Mitchell Towing</b> New Bedford, MA Address 2 (508) 994-9003 (508) 677-2700	<b>Contact:</b> Charlie Mitchell Scott Church	<b>Services Provided:</b> Tug Jaguar Tugs/Barges
<b>Sea Boats</b> Fall River, MA (508) 999-3880	<b>Contact:</b> Don Lynch	<b>Services Provided:</b>
<b>Cutty Hunk Marine</b> Cape Cod, MA (508) 888-0766	<b>Contact:</b> Todd Regazio	<b>Services Provided:</b>
<b>Northeast Divers</b> (401) 841-0446	<b>Contact:</b> Eva Longobard	<b>Services Provided:</b> Diving / Recovery / Video
<b>Specialty Diving</b> North Kingstown, RI (401) 295-5256	<b>Contact:</b> Ron Archambault	<b>Services Provided:</b> Diving / Recovery / Video
<b>Packer Marine, Inc</b> P.O. Box 308 Vineyard Haven, MA 02568 (508) 693-0900	<b>Contact:</b> Ralph Packer John Packer	<b>Services Provided:</b> Barges

<b>BRISTOL, CT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(860) 583-8917</b>
<b>761 Middle Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bristol, CT 06010</b>	<b>Fax #</b>	<b>(860) 585-1740</b>

Fernando Centeno, General Manager

EPA / Federal ID #:

CTD000604488

**Personnel Authorized to release equipment / materials / manpower, etc:**

Fernando Centeno Sr.  
Aaron Godfrey  
John Mahoney  
Thomas Wilson

Todd Vasiliou  
Jose Flores  
Geb Cook  
Joe Heron

**40-Hour OSHA Trained Personnel:**

General Manager	1	Field Technician I	4
Operation Manager	1	Field Technician II	2
Supervisor	2	Field Technician III	2
Foreman	5	Coordinator	1
Equipment Operator	5	Site Safety Officer	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
10 foot workboat	Bristol	Aluminum w/15 hp outboard motor	1
12 foot workboat	Bristol	Open Aluminum w/80hp outboard	1
40 foot incident command trailer	Bristol	1993 ICS office trailer	1
Frac Tank	Bristol	20,000 gallon capacity	3
25 yard rolloff container w/tarps	Bristol	25yd metal open top containers	7
25 yard Vacuum Box Containers	Bristol	25yrd	2
25 yard dewatering box containers	Bristol	25 yard w/internal mesh screen/liner	2
25 yard intermodal harp top container	Bristol	25 yard w/sliding hard top	2
<b>(2) Motor Vehicles</b>			
Straight Rolloff Frame	Bristol	1994 Kenworth w/ tag axle	1
Tractor	Bristol	1991 Freightliner day cab	1
Tractor	Bristol	1992 Freightliner w/sleeper cab	1
Stainless Steel 4,500cfm Cusco	Bristol	1995 Kenworth w/3,000 gallon tank	1
Stainless Steel Straight Vacuum Truck	Bristol	1990 Mack w/3,000 gallon tank	1
Guzzler hi 6,200cfm vacuum blower unit	Bristol	Sterling CT9513/ 5 yard capacity	1
5,000 gallon stainless Steel Vac Tanker	Bristol	5,000gal/ 1990 Brenner	1
Emergency Response Van	Bristol	98 Chevy Cubevan/Level ABC Equip.	1
Manhole Van w/ 2,500psi press. Washer	Bristol	2000 Ford E-350 w/CSE equipment	1
Rack Truck 19,000# GVW	Bristol	2005 GMC w/liftgate	1
Box Truck w/20,000psi water blaster	Bristol	1997 Ford	1
Manhole Van w/ 2,500psi press. Washer	Bristol	1992 Ford HD/Box Truck	1
Crew Cab Pickup	Bristol	1999 Ford F350	1
Utility Body Pickup w/fuel cell	Bristol	1999 Chevy 3500HD Utility Body	1
Crew Cab Pickup	Bristol	2000 Chevy 3500	3
Crew Cab Pickup	Bristol	2004 Ford F350	1
Crew Cab Pickup	Bristol	2002 Ford F350	1
Crew Cab Pickup	Bristol	2006 Ford F 350	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Jet Rod Trailer	Bristol	10,000psi Blaster on Triplett Trailer	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Stainless Steel w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Polyethylene w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Mild Steel w/camlock fittings	1
2" Electric Submersible pumps	Bristol(on manhole vans)	NSK 100gpm	2
3" Trash Pump	Bristol	Multiquip	1
Electric Pressure Washer	Bristol	Landa 1,800psi w/burner	1
Pressure Washer	Bristol	Landa 2,500 psi w/burner	1
Electric Pressure Washer	Bristol	Karcher 1,500 psi light duty	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom w/trailer	Bristol	Elastec Marine 18" boom	700ft
Absorbents	Bristol	3M pads, 8" absorbent boom, snare	Stock
<b>(5) Environmental Monitoring Equipment</b>			
MultiRae 5 gas meter	Bristol	Rae 5 gas Air monitor/PID	4
Explosion proof meter	Bristol	MSA passport	1
Photolization Detection Meter	Bristol	Photovac 20/20 PID	1
Mercury Vapor Analyzer	Bristol	Jerome Meter	1
Air Sampling Kit(contains 4 pumps)	Bristol	MSA Elf air pump Kit w/cartridges	1
Sensidyne Pumps	Bristol	Sensidyne detector pumps w/tubes	2
Sample Tubes	Bristol	for Sensidyne pump/ various checmicals	Stock
Unknown Test Kit	Bristol	Spillfyter test strips	1
Cyanide Antidote Kits	Bristol		1
Hydroflouric acid barrier cream	Bristol	Calcium Gluconate Gel	2
Coppus Air Blowers	Bristol	6" electric	1
Coppus Air Blowers	Bristol	8" pneumatic	1
Coppus Air Blowers	Bristol	4" Pneumatic	1
Negative Air Unit	Bristol	2,500cfm Electric	1
Activated Caron Units	Bristol	Carbtrol 55 gallon size w/blower units	3
<b>(6) Recovery Equipment</b>			
Recovery Tank	Bristol	275 gallon poly storage tank	1
Mercury Vacuum	Bristol	Hako Minuteman Mercury vacuum w/hepa	1
Hepa Filter vacuums	Bristol	Pullman Holt 5-15 gallon size	3
Carbon Groundwater recovery unit	Bristol	1,000 gallon vessel w/duple bagfilter/pump	1
Wet Dry Vacuums	Bristol	Ridgid/Shopvac	4
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Track Excavator	Bristol	47,000# Cat 225 w/3/4 yard bucket	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Bristol	Generac 6000XSL	1
Generator	Bristol(in manhole vans)	4,500 watt capacity	2
Air Compressor	Bristol	1987 Sullair 185cfm	1
Air Compressor	Bristol	185cfm Ingersoll Rand	1
Light Tower	Bristol	Coleman Lighttower	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(9) Health and Safety Equipment</b>			
Self Contain Breathing Apparatus(SCBA)	Bristol	MSA 60 minute SCBA positive pressure	7
5 minute escape bottle	Bristol	MSA 5 minute hip air	4
Cascade Airline Kits	Bristol	MSA fourman cascade system	2
Airline	Bristol	MSA airline	150 feet
Level A Suits	Bristol(in ER van)	First Responder Plus suits	4
Test kit for Level A suits	Bristol		1
Mechanical Extraction Devices	Bristol	DBI/Sala, MSA Rose w/ tripods	5
Tank Truck Tripod	Bristol		1
Mustang Suits	bristol		2
Full body Harness	Bristol		stock
<b>(10) Communications</b>			
Level A Communication gear	Bristol(in ER van)	Earmark kit w/3 headsets, base station	1
Nextel 2 way hand held radios	All	All Managers, Foremen, Drivers	24
<b>(11) Miscellaneous</b>			
Gas Driven Power Broom	Bristol	Stihl Power broom	1
Chain Saw	Bristol	Stihl	1
Sawzall	Bristol	Milwaukee Sawzall Plus	2
Light Racks	Bristol	5,000 watt dual lights	2
Clay absorbent material	Bristol	Speedy Dry 50# bags	Stock
Caustic based degreaser	Bristol	Citrus Cleaner	200 gallons
Steel open top drums	Bristol	55 gallon steel	stock
Drums(other)	Bristol	55 gallon closed top/ poly/etc	stock

<b>Emergency Response Subcontractors</b>
--

**Kennedy Marine**  
Uncasville, CT

(860) 859-0014  
(860) 859-0003

**Contact:**

John F. Kennedy

24 hour pager (860) 437-4883  
Mobile (860) 460-0889

**Services Provided:**

Boat Services, Boom  
Deployment

**Patterson Enterprises**  
Broad Street, Bristol CT  
Phone # 860 583 7577  
Fax # (860) 583-7579

**Contact:**

Mike Patterson  
Mobile (860) 302-8598

**Services Provided:**

Rolloff rental/trans  
Sweeper services  
backfill/gravel

**Coast Line & Service Co.**  
280 Waterfront St New Haven, CT  
Phone # (203) 467-2674  
Fax / Other # (203) 467-2873

**Contact:**

**Services Provided:**

Boat Services

**Caron Autoworks**  
East Hartford, CT  
Phone # (860) 528-6549

**Contact:**

**Services Provided:**

Towing

<b>MILFORD, CT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(203) 878-1740</b>
<b>41 Eastern Steel Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Milford, CT</b>	<b>Fax #</b>	<b>(203) 878-1799</b>

Joseph Heron, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Joseph Heron  
John McGuire  
Geb Cook  
Tom Wilson

Fern Centeno  
Aaron Godfrey  
John Mahoney

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	2	Equipment Operator	3
Foreman	2	Mechanic	2
Field Technician I	7		
Field Technician II	1		
Field Technician III	1		

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Power workboat	Milford, CT	21ft pathmaker 200Hp	1
Power workboat	Milford, CT	14ft John Boat 15Hp	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Milford, CT		3
Spill Van	Milford, CT	Spill Van	1
Vacuum Truck	Milford, CT		1
High Powered Vacuum Truck	Milford, CT	Cusco Super Sucker	1
Roll-Off Truck	Milford, CT	Roll-off Frame	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Milford, CT	3 inch	1
Trash Pump	Milford, CT	2 inch	1
Double Diaphragm Pump	Milford, CT	2 inch	2
Submersible Pump	Milford, CT	Submersible Pump	3
<b>(4) Oil Spill Containment Booms</b>			
18 inch boom on trailer	Milford, CT	20 foot trailer	1200 ft
18 inch boom on trailer	Milford, CT	20 foot trailer	1300 ft
<b>(5) Environmental Monitoring Equipment</b>			
Meter	Milford, CT	5 gas meter	1
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Milford, CT	3 inch Drum Skimmer	1
Bladder Tank	Milford, CT	3000 gal	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Milford, CT	Portable	2
<b>(9) Health and Safety Equipment</b>			
PPE Supplies	Milford, CT	Personal Protective Equipment	Assorted

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
2 way Radio	Milford, CT	Nextel Phones	7
<b>(11) Miscellaneous</b>			
Hose	Milford, CT	2", 3", 3"	200 feet
Tote Tanks	Milford, CT	500 Gal	2
Drums	Milford, CT	Carbon Drums	2

<b>Emergency Response Subcontractors</b>
--

**Subcontractor Name**  
Nation Rent

**Contact:**  
Geovanni Flores

**Services Provided:**  
Earth Moving Equipment

<b>SPRINGFIELD, MA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(860) 827-8557</b>
<b>190 Brookdale Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Springfield, MA 01140</b>	<b>Fax #</b>	<b>(860) 781-4110</b>

John Mahoney Operations Manager

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Fernando Centeno Sr	Todd Vasiliou
Aaron Godfrey	Jose Flores
John Mahoney	Nick Nicotra
Thomas Wilson	Joe Heron

**40-Hour OSHA Trained Personnel:**

Operation Manager	1
Foreman	1
Field Technician I	4
Equipment Operator	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
12 foot workboat	Springfield	Open Aluminum w/35hp outboard	1
14 foot workboat	Springfield	w/ motor	1
<b>(2) Motor Vehicles</b>			
Emergency Response Van	Springfield	1994 Ford E-350 w/Level BC Equip	1
Crew Cab Pickup	Springfield	2002 Ford F350	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Double Diaphragm pneumatic pump	Springfield	Wilden Stainless Steel w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Springfield	Wilden Polyethylene w/camlock fittings	1
2" Electric Submersible pumps	Springfield	NSK 100gpm	1
3" Trash Pump	Springfield	Multiquip	1
Electric Pressure Washer	Springfield	Karcher 1,750psi pressure washer	1
Pressure Washer	Springfield	Honda 2,500psi pressure washer	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom w/trailer	Springfield	Elastec Marine 18" boom	650ft
Absorbents	Springfield	3M pads, 8" absorbent boom, snare	Stock
<b>(5) Environmental Monitoring Equipment</b>			
Explosion proof meter	Springfield	MSA passport	1
Sensidyne Pumps	Springfield	Sensidyne detector pumps w/tubes	1
Sample Tubes	Springfield	for Sensidyne pump/ various chemicals	Stock
Unknown Test Kit	Springfield	Spillfyter test strips	1
Hydrofluoric acid barrier cream	Springfield	Calcium Gluconate Gel	2
Coppus Air Blowers	Springfield	6" electric	1
Coppus Air Blowers	Springfield	4" Pneumatic	1
Negative Air Unit	Springfield	2,500cfm Electric	1
<b>(6) Recovery Equipment</b>			
Wet Dry Vacuums	Springfield	Ridgid/Shopvac	3
Skidmount Vacuum Unit	Springfield	500gallon Vacuum unit/trailer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Bristol		1
<b>(9) Health and Safety Equipment</b>			
Self Contain Breathing Apparatus(SCBA)	Bristol	MSA 60 minute SCBA positive pressure	3
5 minute escape bottle	Bristol	MSA 5 minute hip air	2
Cascade Airline Kits	Bristol	MSA fourman cascade system	1
Airline	Bristol	MSA airline	150 feet
Mechanical Extraction Devices	Bristol	DBI/Sala	2
Full body Harness	Bristol		stock
<b>(10) Communications</b>			
Nextel 2 way hand held radios	All	All Managers, Foremen, Drivers	3
<b>(11) Miscellaneous</b>			
Gas Driven Power Broom	Bristol	Stihl Power broom	1
Chain Saw	Bristol	Stihl	1
Sawzall	Bristol	Milwaukee Sawzall Plus	2
Light Racks	Bristol	5,000 watt dual lights	2
Clay absorbent material	Bristol	Speedy Dry 50# bags	Stock
Steel open top drums	Bristol	55 gallon steel	stock
Drums(other)	Bristol	55 gallon closed top/ poly/etc	stock

<b>Emergency Response Subcontractors</b>
--

**Kennedy Marine**

Uncasville, CT  
Phone # 860 859 0014  
Fax / Other # (860) 859-0003

**Contact:**

John F. Kennedy  
24 hour pager# (860) 437-4883  
Mobile (860) 460-0889

**Services Provided:**  
Boat Services, Boom Deployment

**Patterson Enterprises**

Broad Street, Bristol CT  
Phone # (860) 583-7577  
Fax / Other # (860) 583-7579

**Contact:**

Mike Patterson  
Mobile# (860) 302-8598

**Services Provided:**  
Rolloff rental/trans  
Sweeper services  
backfill/gravel

**Coast Line & Service Co.**

280 Waterfront St New Haven, CT  
Phone # (203) 467-2674  
Fax / Other #203 467 2873

**Contact:**

**Services Provided:**  
Boat Services

**Caron Autoworks**

East Hartford, CT  
Phone # 860 528 6549  
Fax / Other #

**Contact:**

**Services Provided:**  
Towing

<b>NEWBURGH, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(845) 566-5071</b>
<b>15 Little Brook Lane</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Newburgh, NY 12550</b>	<b>Fax #</b>	<b>(845) 566-9014</b>

Paul A. Bomba, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Paul A. Bomba  
Geb Cook  
\*Satellite to Bristol Office

<b>40-Hour OSHA Trained Personnel:</b>
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Foreman / Equipment Operator	1
Field Technician II	1
Field Technician I	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Newburgh	3000 gallon Straight Vac Volvo	1
Cube Van Spill Response Vehicle	Newburgh	GMC 2500	1
Pickup Truck	Newburgh	F-350	1
Pickup Truck	Newburgh	F-350	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Newburgh	5000 PSI Hotsy	1
Power Washer	Newburgh	4000 PSI B&S portable	1
Trash Pump	Newburgh	2", Gasoline Powered, B&S portable	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter	Newburgh		1
5 Gas Meter	Newburgh		1
Sensidyne Kit	Newburgh		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
5000 watt portable Generator	Newburgh	Generac	1
1000 watt dual light towers	Newburgh		4
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>ALBANY, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(518) 434-0149</b>
<b>32 Bask Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Glenmont, NY 12077</b>	<b>Fax #</b>	<b>(518) 434-9118</b>

Barry Prior, General Manager

EPA / Federal ID #:

NYD986871622

**Personnel Authorized to release equipment / materials / manpower, etc:**Barry Pryor  
Kris Goodman**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	4
Field Technician III	2
Field Technician I	6
Equipment Operator	5

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
16' Carolina skiff boat	Albany	48 HP	1
20' Hanko Aluminum	Albany	115HP Yamaha	1
12' Grumman	Albany	Aluminum	1
67 Gator Boat Trailer	Albany	C1451406	1
92 Boat Trailer	Albany	186BOCI59NH000033	1
<b>(2) Motor Vehicles</b>			
Vacuum Tractor Trailer	Albany	5,000 gallon Brenner (Fleet# 153/322)	1
Vacuum Straight	Albany	3000 gallon 93 Kenworth	1
Guzzler	Albany	4500 cfm/16 Cu Yds (Fleet #4129)	1
Straight Cusco	Albany	3000 gallon (Fleet #438)	1
Rack Truck w/Liftgate	Albany	Drum Reovery (Fleet # 5195)	1
Crew Cab Trucks	Albany	F-350	9
Pickup Trucks	Albany	F-150 4x4	1
Boom Trailers	Albany	Probilt/Homemade	1
Spill Trailer	Albany		1
Utility Trailer	Albany	Starlight	1
<b>(3) Pumps and Pressure Equipment</b>			
3" Double Diaphragm Pump	Albany	Wilden	3
3" Transfer Pumps	Albany	Diesel & Gas	2
2" electric submers ble	Albany		3
2" Double Diaphragm Pump	Albany	Wilden	2
1" Double Diaphragm Pump	Albany	1-Metal, 1-Poly	1
Hotsy	Albany	4500 psi	1
Smoke Ejector 20" Fans	Albany		2
Air Operated Coppus Blower	Albany		3
Teflon Acid Pump	Albany		1
Waterblaster and Trailer	Albany	NLB 10k psi	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Albany	18" American Marine /Curtain	1100'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
4-Gas Meter	Albany	Industrial Scientific/MSA	4
5-Gas Meter	Albany	Industrial Scientific/MSA	3
MSA Air Sampling Pump	Albany	with Misc. Tubes	4
Personal Air Pumps	Albany		3
Flow Buck Calibrator	Albany		1
Hand Pump	Albany	Guzzler	2
Sediment Corer	Albany	W/ Nose Piece, Core Catcher, & Tubes	2
Mobile Carbon Treatment System	Albany	60 Gallons Per Minute	1
Jerome Mercury Meter	Albany		1
Dust Meter	Albany		1
<b>(6) Recovery Equipment</b>			
Portable Tanks - Skid Mount Vacuum	Albany	500Gallon	1
Portable Tanks	Albany	2,000 Gallon	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Trailer	Albany		1
Bobcat	Albany	743D Bucket, Backhoe & Sweeper	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Albany	Homelite	2
Generator	Albany	Honda 120V	1
Air Compressor	Albany	185 CFM	3
<b>(9) Health and Safety Equipment</b>			
4500 PSI SCBA's	Albany		5
4500 PSI SCBA Cylinders	Albany		2
2-Man Cascade Manifolds	Albany		1
5 Minute Egress Hip Airs	Albany		3
Metal Detectors	Albany		1
Remote Drum Opener	Albany		1
HEPA Vacuums	Albany		1
Mechanical Extraction Devices	Albany	With Tripods	4
Portable Eye Wash Unit	Albany	Z358.1-1981	2
MSA Cascade Mask	Albany		3
<b>(10) Communications</b>			
Mobile Marine Radios	Albany		4
<b>(11) Miscellaneous</b>			
Arc Welder	Albany	Electric	1
Lincoln Gas Powered Welder	Albany		1
Cutting Torches	Albany		2
Plasma Cutter	Albany		1
Shop Vacuum	Albany		3
Mercury Vacuum	Albany		1
Jack Hammer	Albany		1
Chainsaw	Albany		2

**Emergency Response Subcontractors****Hertz Equipment**

Avis Drive  
Latham, NY  
(518) 783-4598

**Contact:**

**Services Provided:**  
Excavation Equipment

**Roberts Towing**

Route 9W  
Glenmont, NY  
(518) 432-4097

**Contact:**

**Services Provided:**  
Towing Services

**Mountain View Oil**

Box 84 Voorheesville, NY 12186

(518) 644-5111

**Contact:**

**Services Provided:**  
Fuel Supplies

**New England Helicopter**

8 Round Hill Road  
Washingtonville, NY  
(914) 496-7928

**Contact:**

**Services Provided:**  
Helicopters

<b>SYRACUSE, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(315) 463-9901</b>
<b>14 Corporate Circle</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>East Syracuse, NY 13057</b>	<b>Fax #</b>	<b>(315) 463-9624</b>

Barry Pryor, General Manager  
Anthony Napoli, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Barry Prior  
Anthony Napoli  
Robert Seitz

\*Satellite to Albany Office

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Equipment Operator	3
Field Technician	5

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
14' Carolina Skiff	Syracuse	35HP 14' Skiff	1
<b>(2) Motor Vehicles</b>			
Pickups	Syracuse	Crew Cabs	2
4x4 Pickup	Syracuse	F150 Extra Cab	1
<b>(3) Pumps and Pressure Equipment</b>			
2" DD Pumps	Syracuse	Wlden M8	2
2" Hoses	Syracuse	Oil/Chemical	200'
<b>(4) Oil Spill Containment Booms</b>			
18" Containment Boom	Syracuse	18" American Marine Simplex	800'
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter	Syracuse	MSA 4Gas	1
PID	Syracuse	MSA PID Meter	1
Sensidyne	Syracuse	Sensidyne Pump and Tubes	1
<b>(6) Recovery Equipment</b>			
Sorbent Boom	Syracuse	8" SPC Boom	20
Sorbent Pads	Syracuse	SPC100	30
Drums	Syracuse	Steel/Poly Various Sizes	100
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Syracuse	4K Portable Generator	1
Light Stand	Syracuse	Halogen Light stand	2
<b>(9) Health and Safety Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
NEXTELS	Syracuse	Nextel Units	5
Cell Phones	Syracuse	Verizon	6
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

See Albany Service Center

<b>WILLISTON, VT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(802) 651-0553</b>
<b>338 Commerce Street #40</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Williston, VT 05495</b>	<b>Fax #</b>	<b>(802) 651-0558</b>

Steve Brown, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Steve Brown  
Ben Mitchell

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Field Technician	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
4WD Pickup Truck	Williston	8424	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Aluminum Double Diaphragm Pump	Williston		1
1" Stainless Double Diaphragm Pump	Williston		1
1" Poly Double Diaphragm Pump	Williston		1
2" Oil Hose	Williston		1000'
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Williston		200'
<b>(5) Environmental Monitoring Equipment</b>			
Passport Four Gas Meter	Williston		1
Passport Photo ionization Detector	Williston		1
Sensodyne Meter	Williston		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
2-Way Radio	Williston	Nextel	2
<b>(11) Miscellaneous</b>			

## MID-ATLANTIC REGION SERVICE CENTERS

<b>EDISON, NJ SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(732) 248-1997</b>
<b>3 Sutton Place</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Edison, NJ 08817</b>	<b>Fax #</b>	<b>(732) 248-4414</b>

Shawn Barrett, General Manager

EPA / Federal ID #:

NJD986644581

### Personnel Authorized to release equipment / materials / manpower, etc:

Shawn Barrett  
Paul Feeny  
Carmine Cattafi  
Tim Lokos

Julian Stroming

### 40-Hour OSHA Trained Personnel:

Supervisor	8
Foreman	6
Equipment Operator	12
Field Technician	8

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
12' Loweline /Trailer	Metro	Fleet #V262 Model 1236	1
16' FT Jon Boat /Trailer	Metro	Fleet # V205 Model L1648/m/mt	1
16' FT Jon Boat	Metro	Fleet # V240 Model 1648LW	1
16' FT Jon Boat	Metro	Fleet # V266 Model 1652VBW	1
24' FT Hanko w/ Trailer	Metro	Fleet # V304	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Metro	5000 gal	5
Roll Off Truck	Metro	straight frame truck	12
Roll Off Trailers	Metro	Roll Off trailers	3
High Powered Vacuum Loader	Metro	Cusco 3,000 gallons	2
Utility Vehicles	Metro	Pick-Up Trucks	11
Emergency Response Van	Metro	Cube Vans ( Confined Space Ready)	2
Spill Boom Trailer	Metro		1
Skid Vacuum	Metro	1,000 gal.	1
Spill Trailer	Metro		2
Straight Vacuum Truck	Metro	3,200 gallon capacity	1
Box Truck w/Lift-gate	Metro		1
Rack Body Truck w/Lift-gate	Metro		2
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Metro	2" Poly	1
Submersible Pump	Metro	Electric	3
3" Centrifugal Pump	Metro	Gasoline ( Not for Flam.)	2
Pressure Washer	Metro	2500-3000 PSI Hot Water	4
Trailer Mounted Pressure Washer	Metro	2500-3000 PSI Hot Water	2
1" Double Diaphragm Pump	Metro	Stainless Steel	2
2" Double Diaphragm Pump	Metro	Cast Aluminum	2
1" Double Diaphragm Pump	Metro	Cast Aluminum	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Containment Boom	Metro	American Marine 18"	3100'
Absorbent Pads	Metro	18"/100 each	40
Absorbent Boom	Metro	6"/40'/bag	15
Absorbent Blankets	Metro	Sorbent Blankets (packs)	15
Speedi-Dry	Metro	Pallets	10
<b>(5) Environmental Monitoring Equipment</b>			
Explosion Meter	Metro		2
MSA Gas & O2 Passport	Metro		3
PID	Metro	Photon	1
Jerome Meter	Metro		1
Personal Air Sampling Pumps	Metro		5
Draegar Kits	Metro		2
<b>(6) Recovery Equipment</b>			
Swiss Skimmer	Metro	Olea II	1
Slurp Skimmer	Metro		1
Drum Skimmer	Metro	Crucial 50 GPM	2
Drums	Metro	55 and 85 gal	12
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat W/Trailer	Metro		1
Backhoe	Metro		1
Water Treatment System	Metro		1
2 x 1,000 lb. Carbon Vessels	Metro		2
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Metro		5
Portable Light Set	Metro		4
Trailer Air Compressor	Metro	175 CFM	1
Trailer Light Tower	Metro		12
Drum Loading Vacuum Unit	Metro	55 gal. Drum, 4" & 6"	2
<b>(9) Health and Safety Equipment</b>			
S.C.B.A	Metro	Survivair	6
Spare Air Cylinders	Metro	1 Hour Air Bottles	6
4 Man Cascade System	Metro	Airline Resp.	2
MSA Cartridge Mask	Metro	Mine Safety	30
Safety Harness	Metro		8
Mechanical Extraction Devices	Metro	w/Tripods	3
Confined Space Equipment	Metro	3 Sets	3
Level B Spill Trailer	Metro	Remote B System	1
<b>(10) Communications</b>			
2 Way Radios	Metro	Nextel	36
Nextel Base Station	Metro	Motorola/Nextel	1
<b>(11) Miscellaneous</b>			
Electric Blower	Metro	3,000 CFM	3
6,000 Lb. Forklift	Metro	Propane Driven	1
Air Driven Blower	Metro	11,000 CFM	2

<b>Emergency Response Subcontractors</b>
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<b>Aerotek Environmental Staffing</b> 600 Parsippany Road Parsippany, NJ 07054 (201) 884-7310	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Industrial Environmental Contracting, Inc.</b> 900 Port Reading Avenue Port Reading, NJ 07064 (732) 969-3344	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Ken's Marine</b> 117 East 22nd Street Bayonne, NJ 07002 (201) 437-1105	<b>Contact:</b>	<b>Services Provided:</b> Marine Equipment Marine Supplies
<b>Northstar Marine</b> Sealsie City, NJ (609) 263-2222	<b>Contact:</b>	<b>Services Provided:</b> Marine Equipment Marine Supplies
<b>S &amp; J Transport</b> Woodstown, NJ (609) 769-2741	<b>Contact:</b>	<b>Services Provided:</b>
<b>Hertz Equipment Rentals</b> Doremus Avenue Newark, NJ (923) 589-7540	<b>Contact:</b>	<b>Services Provided:</b> Equipment Rental
<b>Nobel Equipment</b> Linden, NJ 07036 (908) 925	<b>Contact:</b>	<b>Services Provided:</b> Equipment Rental
<b>Dave's Heavy Towing</b> 87 Old Camplain Road Hillsborough, NJ 08844 (908) 526-3999	<b>Contact:</b>	<b>Services Provided:</b> Towing

<b>BRIDGEPORT, NJ/PHILADELPHIA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(856) 467-3102</b>
<b>2858 Route 322</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bridgeport, NJ 08014</b>	<b>Fax #</b>	<b>(856) 467-7490</b>

Joe Moyer, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Joe Moyer  
Ed Dreger  
Kimberly Perna

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4
Foreman	4
Equipment Operator	4
Field Technician	8

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Aluminum Boat	Bridgeport	16FT./Aluminum / Starcraft	1
G3	Bridgeport	14Ft./Aluminum / G3	2
G3	Bridgeport	16Ft./Aluminum / G3	1
Outboard Engine	Bridgeport	25 HP Yamaha	2
Outboard Engine	Bridgeport	9.9 HP Yamaha	1
NCR Aluminum Barge System	Bridgeport	8' x 40' sectional barge	2
<b>(2) Motor Vehicles</b>			
Vacuum Trucks	Bridgeport	3,000 gallon	2
Vac Trailer	Bridgeport	5,000 gallon	2
Roll Off Trailer	Bridgeport		1
Cusco	Bridgeport	2,500 gallon/12cu. Yd.	1
Tractor	Bridgeport		4
Vacuum Unit	Bridgeport	Skid Mount 750 gal	1
Pickup Trucks	Bridgeport		2
Crew Cab Pickups	Bridgeport		6
Rack Trucks	Bridgeport		1
Emergency Response Van	Bridgeport		0
Emergency Response Trailer	Bridgeport		0
Drum Trailer	Bridgeport		1
Boom Trailer	Bridgeport		2
Boat Stack Trailer	Bridgeport		0

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Bridgeport	1" - Pneumatic - Poly	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - Poly	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - S.S.	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - Steel	1
Double Diaphragm Pump	Bridgeport	3" - Pneumatic - Steel	1
Submersible Pump	Bridgeport	2.5" Electric	2
Trash Pump	Bridgeport	2" Gasoline	1
Cold Water Pressure Washers	Bridgeport	Gasoline	1
Hot Water Pressure Washer	Bridgeport	Gasoline	3
Hot Water Pressure Washer	Bridgeport	Trailer Mounted	1
Venturi Blower Tubes	Bridgeport	Pneumatic	2
Ventilation Fans (Copus)	Bridgeport	Pneumatic	2
Ventilation Fans	Bridgeport	(Electric)	1
Firemans Fan	Bridgeport	Electric	1
<b>(4) Oil Spill Containment Booms</b>			
American Marine	Bridgeport	18" Harbor Boom	2,500'
Absorbents	Bridgeport	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
LEL Meter	Bridgeport	MSA Passport	2
PID Meter	Bridgeport	MSA	1
Sensodyne Pump	Bridgeport		2
Jerome Meter	Bridgeport	Mercury	2
<b>(6) Recovery Equipment</b>			
Skimmer	Bridgeport	Skimpac	1
Skimmer (NRC)	Bridgeport	V koma Fasflo	1
Skimmer (NRC)	Bridgeport	4 Band Vertical Mop Wringer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Forklift (Level B Equipped)	Bridgeport	TCM	1
Bobcat	Bridgeport		1
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Bridgeport	185 CFM	2
Portable Generator	Bridgeport		1
Explosion Proof Lights	Bridgeport	Tank Lights - Drop	3
Explosion Proof Lights	Bridgeport	300 Watt Spot Light	1
<b>(9) Health and Safety Equipment</b>			
MSA Supplied Air Systems	Bridgeport	Cascade	2
MSA SCBA	Bridgeport	30 Minute Setup	5
MSA SCBA	Bridgeport	60 Minute Setup	2
MSA Air Bottles	Bridgeport	30 Minute Setup	6
Hip-Air Egress Systems	Bridgeport	MSA - 15 Minute	4
Respirator Cartridges	Bridgeport	Assortment	
Personal Protective Clothing	Bridgeport	Assortment	
Level B Suits	Bridgeport	Responder	8
Portable Decon Showers	Bridgeport	Self-Contained	2
Portable Storage Tank	Bridgeport	Poly Tank 4,000 Gallon	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(10) Communications</b>			
Marine Band Transceivers	Bridgeport	Icon M-11 Portable VHF	4
Cellular Phones	Bridgeport	Motorola	12
<b>(11) Miscellaneous</b>			
Anchors	Bridgeport		5
Line 3/8"	Bridgeport	Stock	1000'
Personal Flotation Devices	Bridgeport	Stock	20
Survival Suits	Bridgeport	Stock	4
Hard Hose	Bridgeport	2"	400'
Hard Hose	Bridgeport	3"	200'
Vactor Hose	Bridgeport	Assortment	
Air Hose	Bridgeport	3/4"	400'
Drum Vacuums	Bridgeport	Pneumatic	2
Ladders	Bridgeport	Various - Fiberglass	4
Ladders	Bridgeport	Tank - Fiberglass	1
Portable Heaters - Space	Bridgeport	Diesel & Electric	1
Oxygen/Acetyne Cutting Torches	Bridgeport	Complete Sets	1
Sawzall	Bridgeport	Pneumatic/electric	3
Metal Nibler	Bridgeport	Pneumatic/electric	1
Hole Saw	Bridgeport	Pneumatic	1

<b>Emergency Response Subcontractors</b>
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<b>Maritrans</b> Fort Mifflin Road Philadelphia, PA Phone: (609)492-8100	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Delaware Launch Service</b> Slaughter Beach, DE Phone: (302)422-7604	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>McAllister Brother</b> Broadway Camden, NJ Phone: (609) 966-2822	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>North Star Marine</b> 8200 Landis Avenue Sea Isle City, NJ Phone: (609) 263-2222	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Moran Towing</b> Pier 100 Philadelphia, PA Phone: (215) 755-4700	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Hueber's Launch Service</b> Marcus Hook, PA Phone: (215) 755-4700	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge

<b>Emergency Response Subcontractors Cont.</b>
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<b>Albert C. Westcot Company</b> Gardener's Basin Atlantic City, NJ Phone: (609) 345-1974	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Subaqueous Enterprises</b> Scullville, NJ Phone: (609) 927-1230	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Marine Salvage</b> Ellsworth Salvage, Inc. Broadway, Camden, NJ Phone: (609) 966-4469	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Jamestown Marine Service</b> 24 Southwest Avenue, Suite 4 Jamestown, RI Phone: (800) 332-0100 Phone: (609) 966-4469	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Buglser Towing Towing &amp; Salvage Company</b> 326 First Street Annapolis, MD 21043 Phone: (410) 268-1941	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Divers Mechanics</b> Blackwood, NJ Phone: (609) 227-9262	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>In-Depth Marine Construction</b> Toms River, NJ Phone: (609) 270-6812	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>American Dredging-Weeks Marine</b> Camden, NJ Phone: (609) 963-0963	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>Smith Brothers</b> Galesville, MD Phone (410) 867-1818	<b>Contact:</b> Jeff Smith	<b>Services Provided:</b> Dredges, Clam Shells Tug & Barge

<b>BALTIMORE, MD SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(301) 939-6000</b>
<b>3527 Whiskey Bottom Road</b>	<b>24 Hr. #</b>	<b>(800) 622-3360</b>
<b>Laurel, MD 20724</b>	<b>Fax #</b>	<b>(301) 939-6076</b>

Mark Hale, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Mark Hale  
Randy Thomas

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Foreman	3
Field Technician II	3
Field Technician I	6
Equipment Operator	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Hanko	Laurel	24 ft Aluminum V-Hull/150 HP Yamaha	1
Pointer	Laurel	22 ft FiberglassV-Hull /125 HP Evinrude	1
Sylvan	Laurel	14 ft/ Aluminum V-Hull	2
Alumacraft	Laurel	14 ft/ Aluminum Flat Hull	2
Johnson	Laurel	25 HP	1
Johnson	Laurel	9.9 HP	1
Nissan	Laurel	9.8 HP	1
Personal Floatation Device	Laurel	-	50
Anti-Exposure Suits	Laurel	Stearns	1
Anchors	Laurel	-	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Baltimore	6,000 gallon/Brenner	1
Vacuum Trucks	Baltimore	3,000 gallon/Kenworth	2
Cusco	Baltimore	2,500 gallon/12 Cu. Yd/Freightliner	1
Tractor	Baltimore	Kenworth	1
Roll-Off Frames	Baltimore	Galbreath	1
Roll-Off Containers	Baltimore		10
Pick-Ups	Laurel	Chevrolet (4) , Ford(4)	8
Rack Trucks	Laurel	02' Chevrolet 3500 HD	1
Cube Vans	Laurel	00' Ford E-350	1
Emergency Response Trailer	Laurel	94' Haulmark	1
Boom Trailer	Baltimore	1,000 Ft. Boom each	2
Frac Tank	Baltimore	20,000 gal	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Laurel	2' Stainless Steel	1
Double Diaphragm Pump	Laurel	2" Polypropylene	2
Double Diaphragm Pump	Laurel	3" Aluminum	3
Double Diaphragm Pump	Laurel	2" Aluminum	1
Double Diaphragm Pump	Laurel	1" Aluminum	1
Submersible Pump	Laurel	2" Electric	2
Gas Pressured Pump	Laurel	3" Homelite	1
Gas Trash Pump	Laurel	2" Homelite 121TP2-18	2
Submersible Pump	Laurel	4" Hydraulic driven	1
Cold Water Pressure Washer	Laurel	2600 psi - Portable	4
Cold Water Pressure Washer	Laurel	3500 psi - Portable	1
Hot Water Pressure Washer	Laurel	3000 psi - trailer mounted	1
Venturi Blower Tubes	Laurel	Pneumatic	4
Ventilation Fans (Coppus)	Laurel	Pneumatic	4
<b>(4) Oil Spill Containment Booms</b>			
American Marine	Laurel	18" Harbor Boom	2,000
Langerman	Laurel	15i Creek Boom	100'
PSI	Laurel	6" Creek Boom	100'
Absorbents	Laurel	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
PID	Laurel	MSA/Passport	1
Photo ionization Detector	Laurel	HNU	3
Combustible Gas Meter	Laurel	MSA #261	2
Combustible Gas Meter	Laurel	MSA 4 Gas	1
Combustible Gas Meter	Laurel	MSA 3 Gas	1
Draeger Pump	Laurel	Draeger	2
Air Monitoring Pumps	Laurel	SKC	4
Sensidyne Pump	Laurel	Sensidyne	2
Mercury Vapor Detector	Laurel	Jerome	1
<b>(6) Recovery Equipment</b>			
Skimmer	Laurel	Skimpac 18000 series	2
Elastec Drum Skimmer	Laurel	TDS-118	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Loader	Laurel	743 Skid-Steer	1
Bobcat Trailer	Laurel	Beck	1
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Laurel	175 CFM/Ingersoll Rand	1
Compressor	Laurel	185 CFM/Leroi	1
Compressor	Laurel	185 CFM/Sullair	1
Portable Generator	Laurel	Coleman	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
MSA Supplied Air Systems	Laurel	Cascade	6
MSA S.C.B.A	Laurel		8
Hip-Air Escape bottles	Laurel		10
Personal Protective Clothing	Laurel	Assorted	
Respirator Cartridges	Laurel	Assorted	
Nomex Suits	Laurel		3
Extraction Device	Laurel	DBI 50' W/Tripod	3
Extraction Device	Laurel	Miller 75' W/Tripod	1
Safety Harness	Laurel	Miller	12
Explosion Proof Light	Laurel		2
<b>(10) Communications</b>			
2-Way Portable Radio	Laurel	Nextel-Motorola	15
2-Way Portable Radio's w/phone	Laurel	Nextel-Motorola	13

<b>Emergency Response Subcontractors</b>
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<b>Baltimore Launch &amp; Marine Svc, Inc.</b> Pier 1, Clinton Street, Baltimore, MD 21224 (301) 563-3411	<b>Contact:</b> Captain Sorensen 24 Hour Service	<b>Services Provided:</b> Boats (Tow / Barge)
<b>Captain's Ship Chandlery Co.</b> 1726 S. Clinton Street Baltimore, MD 21224 (410) 732-7680	<b>Contact:</b> Thomas Payne	<b>Services Provided:</b> Fuel Supplies
<b>Vane Brothers Co.</b> Pier 11, Canton 4209 Newgate Ave Baltimore, MD 21224 (410) 631-7773	<b>Contact:</b> Capt. Russi Makojina	<b>Services Provided:</b> Fuel Supplies
<b>Baker-Whitely Towing Co.</b> 2000 Clinton Street Baltimore, MD 21224 (410) 276-8000	<b>Contact:</b> Richard Gross (24 Hour Service)	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Moran Towing Company</b> World Trade Center, Suite 800 Baltimore, MD 21202 (410) 732-9600	<b>Contact:</b> Paul Swenson	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Marine Launch Company (Vain Bros.)</b> Pier 11, 4209 Newgate Ave. Baltimore, MD 21224 (410) 631-7773	<b>Contact:</b> Tom Gaither	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Solman's Island Marine</b> P.O. Box 156 Solomans, Md. 20688 (410) 326-6801	<b>Contact:</b>	<b>Services Provided:</b> Boats (Tow, Barge)

<b>Emergency Response Subcontractors</b> <b>Cont.</b>
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<b>McClellan Contracting (possible vendor)</b> 6700 Curtis Court, Glen Burnie, MD 21226 2001 Benhill Road, Baltimore, MD 21226 (410) 553-6700 office (410) 355-1407 yard	<b>Contact:</b> Tyrus Fisher	<b>Services Provided:</b> Marine Salvage
<b>Baltimore Ship Repair (Phillyship)</b> 1508 Open Street, Baltimore, MD 21226 (410) 355-7400	<b>Contact:</b> Michael Moss	<b>Services Provided:</b> Divers
<b>Diver's Den Inc.</b> 8105 Harford Road, Baltimore, MD 21234 (410) 668-6866	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>Dover International Limited</b> 12826 Dover Road, Riestestone, MD (410) 561-3500	<b>Contact:</b>	<b>Services Provided:</b> Fuel Supplies
<b>Dover International Limited</b> 12826 Dover Road, Riestestone, MD (410) 561-3500	<b>Contact:</b> Jim Platt	<b>Services Provided:</b> Helicopters
<b>Omniflight Airways</b> Martin Airport - Hanger #6 Baltimore, MD 21220 (410) 391-7722	<b>Contact:</b> Tom Palcic	<b>Services Provided:</b> Helicopters
<b>So. Baltimore Industrial Mutual Aid Plan</b> P.O. Box 3476: Baltimore, MD 21225-0476 (410) 354-5751	<b>Contact:</b> Chairman: Gene Reynolds (FMC Corporation)	<b>Services Provided:</b> Cooperative
<b>JW Transport, Inc.</b> 2437 Durham Road Bristol, PA 19007 (215) 946-3033	<b>Contact:</b> John Witmer	<b>Services Provided:</b> Subcontracted Labor
<b>Woodchuck Enterprises</b> 25525 Loville Road Leonardtown, MD 20650 (301) 994-2283	<b>Contact:</b> Bill Peterson	<b>Services Provided:</b> Subcontracted Labor
<b>J.W. Walker &amp; Sons</b> 6812 Fort Smallwood Rd. Baltimore, Md. 21226 (410) 636-1349	<b>Contact:</b> Mike Walker Jay Walker	<b>Services Provided:</b> Subcontracted Labor

<b>RICHMOND, VA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(804) 452-1800</b>
<b>7515 Harvest Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Prince George, VA 23875</b>	<b>Fax #</b>	<b>(804) 452-1700</b>

Eric Montgomery, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Eric Montgomery  
Michael Leuchte  
Doug Kirchoff

**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	1
Equipment Operator	3
Field Technician I	2
Field Technician II	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
15' Alumacraft workboat	Prince George	With 20 hp Evinrude motor	1
15' Loweline	Prince George	15 feet	1
20' Fiberglass pointer	Prince George	115 hp motor	1
<b>(2) Motor Vehicles</b>			
High power vacuum loader	Prince George	3000 Gallon/ 10 CU.YD	1
High power vacuum loader	Prince George	3000 Gallon/ 10 CU.YD	1
Vacuum Trailer	Prince George	5000 gallon Brenner	1
Transporter	Prince George	6000 gallon capacity	2
Tractor	Prince George	Mack	2
Hydro Blaster	Prince George	10k/straight box truck	1
Pick ups	Prince George	F 350'S - F 250'S- Rack trucks-crew cabs	7
Fork lift	Prince George	6500 bs capacity	1
Hard Boom trailer	Prince George		1
Bobcat	Prince George		1
Flat bed trailer	Prince George		2
<b>(3) Pumps and Pressure Equipment</b>			
Trailer Mounted Skid Vac	Prince George	500 gallon capacity	1
Double Diaphragm Pump	Prince George	3" Pump	2
Double Diaphragm Pump	Prince George	2" Pump	1
Double Diaphragm Pump	Prince George	2" Chemical Pump	2
Double Diaphragm Pump	Prince George	1" Pump	2
Drum Vacuum	Prince George		4
Pressure washers	Prince George	3000 PSI	1
Pressure washers	Prince George	3000 PSI Hot water Units	3
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Hard Boom W/spill trailer	Prince George	American Marine 18 inch	2000 ft
Absorbent Boom, Sweep, Pads	Prince George	Assorted	

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
MSA Passport Pid	Prince George	Meters	3
MSA Passport Four Gas	Prince George	Meters	3
MSA Sirius 5 Gas	Prince George	Meters	2
Drager Pump	Prince George	Meters	3
Jerome Mercury Meter	Prince George		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Prince George	185 Cfm	1
Air Compressor	Prince George	Rigid 135 max psi	1
Generator	Prince George	Homelite 4400	1
Various Light Stands	Prince George		5
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Devices	Prince George	With DBI'S	3
Tank Truck Tripod	Prince George		2
Full Face Respirators	Prince George	Assorted	8
Cyanide Antidote Kit	Prince George		1
Diphoterine	Prince George	Caustic burn treatment solution	3
Nomex Coveralls	Prince George		12
Grade D Breathing air cylinders	Prince George		10
SCBA	Prince George	Rescue Pack	4
Hip Air	Prince George		4
Coppus Blower - Elec./ Pneumatic	Prince George		6
<b>(10) Communications</b>			
Nextel	Prince George		10
Motorola	Prince George	Two-way Radio	2
Motorola	Prince George	Marine Radio	2
<b>(11) Miscellaneous</b>			
Anchors	Prince George		4
Rope	Prince George		4000 ft
Life Vest	Prince George		30
Survival Suits	Prince George		2
Coupling And Hardware	Prince George	Assorted	
Pneumatic N bblor	Prince George		1
Chain Saw	Prince George		2
Portable Torches	Prince George		2
Electric Reciprocating Saws	Prince George		3
Pneumatic/ Electric Drills	Prince George		2
Drum De-headers	Prince George		3
Pneumatic Chipping Hammers	Prince George		2
3' Chemical Hose	Prince George		300 ft
2' Chemical Hose	Prince George		300 ft
4" Oil Hose	Prince George		100 ft
3" Oil Hose	Prince George		300 ft
2" Oil Hose	Prince George		300 ft
8" Vactor Pipe	Prince George		200 ft
6" Vactor pipe	Prince George		200 ft

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(11) Miscellaneous</b>			
Hepa Vacuum	Prince George		3
4"/ 6" Flex Hose	Prince George		600 ft
Portable Eye Wash	Prince George		3
Explosion Proof Lights	Prince George		3

<b>Emergency Response Subcontractors</b>
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<b>Onsite Environmental Staffing</b> 10900 Nuckols Road Glen Allen Va 23060 (804) 968-6070	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Progressive Pipeline Management</b> 10 Marissa court Atlantic Highlands, NJ 07716 (908) 309-5992	<b>Contact:</b> Dave Wickersham	<b>Services Provided:</b> Labor and Equipment
<b>Environmental Rental Services</b> 434 Corporate Blvd. Rockhill South Carolina (803) 980-7780	<b>Contact:</b> Scott Furr	<b>Services Provided:</b> Equipment
<b>Baker Tanks</b> 938 East 4th Street Richmond Va (804) 233-9900 Fax / Other #	<b>Contact:</b> Duff Green	<b>Services Provided:</b> Frac Tanks, Sludge Boxes, Roll-off Cans
<b>Hertz Equipment Rental</b> 9300 Burge Avenue Richmond, Va 23237 (804) 271-6473	<b>Contact:</b> Mike Germanus	<b>Services Provided:</b> Equipment Rentals
<b>Lockwood Marine</b> 220 Salters Creek Road Hampton, Va 23669 (804) 722-1946	<b>Contact:</b>	<b>Services Provided:</b> Tugs, Barges, Cranes
<b>Godwin Pumps</b> 3104 North Side Avenue Richmond, Va 23228 (804) 266-3614	<b>Contact:</b>	<b>Services Provided:</b> Pumps

<b>CHESAPEAKE, VA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(757) 543-9240</b>
<b>804 J Industrial Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chesapeake, VA 23324</b>	<b>Fax #</b>	<b>(757) 543-8486</b>

Eric Montgomery, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**Eric Montgomery  
Steve Baddorf  
Michael Leuchte

\*Satellite to Richmond Office

Derrick Armstrong

**40-Hour OSHA Trained Personnel:**

Supervisor	1
Equipment Operator	3
Field Technician I	3
Field Technician II	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Work Boat ( Aluma Craft)	Chesapeake	15 ft 20 hp motor	1
22 ft aluminum work boat	Chesapeake	22 ft aluminum flat bottom 150 hp motor	1
<b>(2) Motor Vehicles</b>			
Straight Vacuum Truck	Chesapeake	3000 Gallon Brenner	1
Pick-Up Trucks	Chesapeake		2
Rack Truck	Chesapeake		1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Chesapeake	3" oil pump	1
Drum Vacuum	Chesapeake	Nortech	1
Pressure Washer	Chesapeake	3000 psi	1
Pressure Washer	Chesapeake	3000 psi Hot Water	1
<b>(4) Oil Spill Containment Booms</b>			
Spill Response Trailer	Chesapeake	18" Hard Boom American Marine	2000 Ft
Soft Boom, Pads, Sweep, Snare	Chesapeake	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
Oxygen Lel Meters	Chesapeake	Passport 4 gas	1
Vapor Meters	Chesapeake	Passport PID	1
Drager Pump	Chesapeake	With Misc. Tubes	1
<b>(6) Recovery Equipment</b>			
Oil Skimmer	Chesapeake	Drum skimmer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air compressor	Chesapeake	Leroi 185 CFM	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Device	Chesapeake	W/ DBI	1
Tank Truck Tripod	Chesapeake		1
Nomex Coverall	Chesapeake		4
SCBA	Chesapeake	Back up Rescue	1
Hip Air	Chesapeake		3
<b>(10) Communications</b>			
Two Way Radios	Chesapeake	Nextel	2
Two Way Radios	Chesapeake	Motorola	5
<b>(11) Miscellaneous</b>			
3" Oil Hose	Chesapeake		300 ft
Compressor Hose	Chesapeake		300 ft
Anchors	Chesapeake		2
Life Vest	Chesapeake		20
Portable Eye Wash	Chesapeake		1

Emergency Response Subcontractors		
<b>Accurate Marine Services</b> 3965 Burtons Point Road Portsmouth, VA 23704 (757) 393-5840	<b>Contact:</b>	<b>Services Provided:</b> Labor, Vacuum Trucks Equipment
<b>Lockwood Marine</b> 220 Salters Creek Road Hampton, va 23669 (804) 722-1946	<b>Contact:</b>	<b>Services Provided:</b> Tugs, Barges, Cranes
<b>Godwin Pumps</b> 120 Dorset Avenue Virginia Beach, VA 23462 (757) 490-1300	<b>Contact:</b>	<b>Services Provided:</b> Pumps
<b>Onsite Environmental Staffing</b> 10900 Nuckols Road Glen Allen, VA 23060 (804) 968-6070	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Baker Tanks</b> 938 East 4th Street Richmond, VA 23224	<b>Contact:</b> Duff Green	<b>Services Provided:</b> Frac Tanks, Sludge Box's Roll-off Containers
<b>Hertz Equipment Rentals</b> 716 S. Military Highway Norfolk, VA 23464	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Industrial Marine Services</b> 1301 Marsh Street Norfolk, VA 23523 (804) 543-5718	<b>Contact:</b>	<b>Services Provided:</b> OSRO Contractor

<b>REIDSVILLE, NC SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(336) 342-6106</b>
<b>208 Watlington Industrial Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Reidsville, NC 27320</b>	<b>Fax #</b>	<b>(336) 361-6130</b>

Eric Montgomery, General Manager

EPA / Federal ID #: NCD 000 648 451

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eric Montgomery  
Jim Poch  
Michael Leuchte  
\*Satellite to Richmond Office

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Foreman	1
Equipment Operator	1
Field Technician I	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
High Powered Vacuum Loader	Reidsville	3000 Gallon/ 10 CU.YD Cusco	1
Pick-Up Truck	Reidsville		2
Rack Truck	Reidsville		1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Reidsville	3000 Psi	1
Drum Pump	Reidsville		1
<b>(4) Oil Spill Containment Booms</b>			
Pads, Soft boom, Sweep	Reidsville	Assorted	
<b>(5) Environmental Monitoring Equipment</b>			
Oxygen LeL Meter	Reidsville	Passport 4 Gas	1
PID	Reidsville	Passport PID	1
Drager Pump	Reidsville	Assorted Tubes	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Light Stands	Reidsville		2
Generator	Reidsville		1
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Device	Reidsville	W/ DBI	1
SCBA	Reidsville	Rescue	2
Hip air	Reidsville		2
Harnesses	Reidsville		4

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Two-way Radio / Phone	Reidsville	Nextel	4
<b>(11) Miscellaneous</b>			
Shop Vac	Reidsville		2
Portable Eye Wash	Reidsville		1

<b>Emergency Response Subcontractors</b>
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## SOUTHEAST REGION SERVICE CENTERS

<b>CHATTANOOGA, TN SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(423) 825-6926</b>
<b>3300 Cummings Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chattanooga, TN 37419</b>	<b>Fax #</b>	<b>(423) 825-4140</b>

Steve Mersch, General Manager  
Ray Dycus, Operations Manager

EPA / Federal ID #:

N/A

### Personnel Authorized to release equipment / materials / manpower, etc:

Steve Mersch (423) 593-9307  
Edd Burch (423) 309-7436  
Ray Dycus (423) 718-8248  
Ken Dalton (423) 667-4276

Michael Emery (615) 418-7348  
Tony Carter (423) 593-9404  
Eric Montgomery (423) 309-7851

### 40-Hour OSHA Trained Personnel:

Supervisor	1
Foreman	2
Equipment Operator	2
Field Technician II	2
Field Technician I	3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	Chattanooga	16' with flat bottom and 25hp	2
22' Workboat	Chattanooga	Flat bottom w/ 125HP	1
<b>(2) Motor Vehicles</b>			
Pickup Trucks	Chattanooga	F550, F350 & F250	5
<b>(3) Pumps and Pressure Equipment</b>			
CUSCO - High Powered Vacuum	Chattanooga	3,000 - gallon	1
SpoutVac - Skid Mounted	Chattanooga	2,200 - gallon	1
Blaster8 Cold Water PW Unit	Chattanooga	8,000 - psi	1
Washer 36 Cold Water PW Unit	Chattanooga	3,600 - psi	1
Washer 40 Cold Water PW Unit	Chattanooga	4,000 - psi	1
Vacuum Tanker Trailer	Chattanooga	5,000 - gallon	3
Roll-Off Frame	Chattanooga		1
Road Tractors	Chattanooga		2
<b>(4) Oil Spill Containment Booms</b>			
1500' Containment Boom and Trailer	Chattanooga	18" Hard Boom	500'
<b>(5) Environmental Monitoring Equipment</b>			
5 gas Monitoring Meters	Chattanooga	5 - Gas	1
4 gas Monitoring Meters	Chattanooga	4 - Gas	1
<b>(6) Recovery Equipment</b>			
36" Drum Skimmer	Chattanooga	36" air operated	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Portable Generator	Chattanooga	3,500 W	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Equipment	Chattanooga	Full Setup	2
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>TUCKER, GA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(770) 934-0902</b>
<b>1875 Forge Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Tucker, GA 30084</b>	<b>Fax #</b>	<b>(770) 496-5996</b>

Steve Mersch, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Steve Mersch (423) 593-9307

\*Satellite office to Chattanooga, TN office

<b>40-Hour OSHA Trained Personnel:</b>
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Field Technician I

3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Pickup Trucks	Tucker	F250	2
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Tucker		500'
<b>(5) Environmental Monitoring Equipment</b>			
5 - Gas Monitoring Meter	Tucker	5 - Gas	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Equipment	Tucker	Complete Set of Equipment	1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>BARTOW, FL SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(863) 533-6111</b>
<b>170 Bartow Municipal Airport</b>	<b>24 Hr. #</b>	<b>(800) 645-8625</b>
<b>Bartow, FL 33830</b>	<b>Fax #</b>	<b>(863) 519-6306</b>

Jon Sandora, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jon Sandora	813-239-4971	Jnet Sheffield	863-581-1985
Jeff Astin	863-860-1889	Joe Bruce	863-860-4341

**40-Hour OSHA Trained Personnel:**

Supervisor	1
Foreman	3
Equipment Operator	7
Field Technician I	7

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Aluminum w/ motor	Bartow	25 HP, 9 HP	2
21' Center Console Workboat	Bartow	21' / 115 HP	1
<b>(2) Motor Vehicles</b>			
Pick up truck	Bartow	F350	4
Pick up trucks	Bartow	F250	1
Rack Trucks	Bartow	5219/50105	2
ER Trailer	Bartow	Oil spill response	2
ER Trailer	Bartow	Chemical response	1
Tractor	Bartow	1283	1
Roll-off Trucks	Bartow	4195/40005	2
Roll-off Frame	Bartow	60017T	1
Box Truck	Bartow	387211/387215/5231/5231/387211/387215	6
Van Trailer's	Bartow	6122/6318/92049/527100/57101/08001	6
Utility Trailer's	Bartow		3
Tractor's	Bartow		7
<b>(3) Pumps and Pressure Equipment</b>			
Gap Vac	Bartow	CH4174	1
Guzzler	Bartow	CH4189	1
Vac/Air Mover	Bartow	572189	1
Vac Truck	Bartow	4113	1
St. Vac Truck	Bartow	413	1
Double Diaphragm Steel	Bartow	3"	1
Double Diaphragm Poly	Bartow	3"	1
Pressure Washer's	Bartow	2.5k/ 3.8k/ 3.8k/ 10k	4
Vacuum trailer	Bartow	130 barrel	4
Vacuum trailer	Bartow	70 barrel SJ CH413	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Bartow	CH327	1
18" Containment Boom	Bartow		2500'

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
4 gas meter (MSA)	Bartow		1
4 gas meter ( g-tech)	Bartow		1
P.I.D. ( H-NU)	Bartow		1
Sensydine & Drager meter w/tubes	Bartow		1
5 Gas Meter/Pid	Bartow		1
FID	Bartow		1
OVA	Bartow		1
<b>(6) Recovery Equipment</b>			
Work lights	Bartow		1
Drum Skimmer	Bartow		1
Pressure tested oil suction hose	Bartow	2"/ 3"/ 4"	3
Jackhammer's	Bartow		
Blower's	Bartow		
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavators	Bartow		
Bobcats	Bartow		
Backhoe	Bartow		
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Bartow	5000 watt	1
Intrinsically Safe light	Bartow		3
Electric and gas	Bartow	for drums	1
185 cfm tow behind Air Compressor	Bartow		1
24" Exhust Fan	Bartow		1
<b>(9) Health and Safety Equipment</b>			
CSE Equipment	Bartow		1
SCBA's	Bartow		4
Supplied Air	Bartow		
MSA Respirator's (all employee's)			
<b>(10) Communications</b>			
Nextel (All employee's)	Bartow		
Intrinsically safe 2-way Nextel	Bartow		
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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**Best Tec Abatement**

6930 Barbour Rd  
West palm Beach Fl.  
800-542-0024

**Contact:****Services Provided:****Lockwood Marine**

220 Salters Creek Rd  
Hampton, VA 23669  
804-722-1946  
804-879-0693

**Contact:**

**Services Provided:**  
Tugs, barges, cranes

**Hertz**

all locations

**Contact:**

**Services Provided:**  
Heavy Equipment

**Godwin Pumps**

Tampa Fl  
813-740-0331

**Contact:**

**Services Provided:**  
Pumps

## MID-WEST REGION SERVICE CENTERS

<b>DETROIT, MI SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(586) 977-8174</b>
<b>6414 Product Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sterling Heights, MI 48312</b>	<b>Fax #</b>	<b>(586) 977-8415</b>

Brian Overmyer, General Manager

EPA / Federal ID #:

SCR000074591

### Personnel Authorized to release equipment / materials / manpower, etc:

Brian Overmyer  
Byron McMorris

\*Satellite to Cleveland office

### 40-Hour OSHA Trained Personnel:

Supervisor	3
Foreman	2
Equipment Operator	1
Field Technician	3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
12' Workboat	Detroit		
NOTE! Boat is in Cleveland and the motor is in Detroit		Starcraft w/9.9 HP Outboard	1
14' Workboat	Detroit		2
<b>(2) Motor Vehicles</b>			
Pick-up/Van/Crew Cap	Detroit		3
Straight Vacuum Truck	Detroit	3,000 gal	1
Emergency Response Trailer	Detroit	8'	1
Utility Trailer	Detroit	15'	1
Cusco	Detroit	3,000	2
Roll-off Truck	Detroit	Tractor and Frame	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Detroit	3000 psi, gasoline, portable	1
2" Trash Pump	Detroit		1
2" Double Diaphragm Pump	Detroit	Steel	2
2" Double Diaphragm Pump	Detroit	Poly Pump	2
1" Double Diaphragm Pump	Detroit	Steel	2
Pneumatic Drum Vacuum	Detroit		1
Electric Drum Vacuum	Detroit		1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Detroit	18" American Marine	600'
<b>(5) Environmental Monitoring Equipment</b>			
4-Gas Meter (O2/CO/H2S/LEL)	Detroit	Industrial Scientific	2
Photo Ionization Detector	Detroit	MSA	1
Detector Tube Pump	Detroit	Sensidyne	2
<b>(6) Recovery Equipment</b>			
Oil Skimmer / Vacuum / Air	Detroit	Elastic Drum Skimmer	1
Oil Skimmer / Vacuum	Detroit	Skim-Pak	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Detroit	185 cfm	1
<b>(9) Health and Safety Equipment</b>			
S.C.B.A. w/full face respirator	Detroit	MSA	3
Hip Airs	Detroit	MSA	3
Level A Suits	Detroit		4
*Barricade Suits	Detroit		4
*Saranex Suits	Detroit		
Detroit	Detroit		12
*Poly Coated Tyveks	Detroit		18
*Neoprene Gloves	Detroit		1 pk
*PVC Gloves	Detroit		1 bx
*Nitrile Gloves	Detroit		2 bx
*Silver Shield Gloves	Detroit		1 pk
*Latex Gloves	Detroit		2 bx
*Inventoried and stocked on a weekly basis			
<b>(10) Communications</b>			
Portable phone/2-way radio	Detroit	Nextel	9
<b>(11) Miscellaneous</b>			
Chemical Hose	Detroit	1 ½"	150'
Chemical Hose	Detroit	2"	300'
Chemical Hose	Detroit	3"	250'
Chemical Hose	Detroit	4"	200'
Oil Hose	Detroit	2"	300'
Oil Hose	Detroit	3"	350'
Oil Hose	Detroit	4"	150'
Oil Hose	Detroit	6"	350'
Lay flat Discharge Hose	Detroit		100'
Confined Space Entry Equip	Detroit		1
Air Mover	Detroit	Coppus Horn	1
Spill Cart	Detroit		1

<b>Emergency Response Subcontractors</b>
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**Marine Pollution Control**  
(313) 849-2333

**Contact:**

**Services Provided:**

**EnManCo**

**Contact:**

**Services Provided:**

(586) 468-4320

**Michigan Pumping Services**

**Contact:**

**Services Provided:**  
Vacuum Truck Services

(734) 675-0225

<b>CHICAGO, IL SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(773) 646-6202</b>
<b>11800 South Stony Island Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chicago, IL 60617</b>	<b>Fax #</b>	<b>(773) 646-6381</b>

Mike Ortiz, General Manager

EPA / Federal ID #:

ILD000608471

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Mike DeCleene  
Mike Ortiz  
Joe Rios

Steve Osuch

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Foreman	3
Field Technician I	5
Field Technician II	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
24' Hanko Workboat	Chicago	Aluminum Outboard 150HP (1033893)	1
19' Pointer Workboat	Chicago	110 HP Outboard (MS6387AP)	1
18' Crestliner Workboat	Chicago	Aluminum Outboard 40 HP (IL8312HT)	1
14' Starcraft Workboat	Chicago	Aluminum, no motor	1
<b>(2) Motor Vehicles</b>			
Vacuum Tankers	Chicago	5000 gal stainless steel	4
Vacuum Tankers	Chicago	6000 gal stainless steel	1
Vacuum Tankers	Chicago	5500 gal stainless steel	9
Vacuum Tankers	Chicago	3800 gal w/ pony motor	1
Vacuum Lined Tankers	Chicago	5000 gal Dekrane fiberglass lines	1
Straight Vacuums	Chicago	3000 gal stainless steel	1
Straight Van Trucks	Chicago	17'	2
Straight Van Trucks	Chicago	24'	2
Bulk Trailers	Chicago	6000 gal stainless steel w/heat	1
Van Trailers	Chicago	Dry	11
Roll-off Trailers	Chicago		3
Roll-off Cans	Chicago		15
Emergency Response Trailer	Chicago	Level A, B, C equipped	2
Pickup Trucks	Chicago		8
Stake Body Trucks	Chicago	Lift Gate	1
Utility Trucks	Chicago		1
Skid Mounted Vacuum Unit	Chicago	1000 gal	1
Skid Mounted Vacuum Unit	Chicago	500 gal	1
Tractors	Chicago	City	6
Tractors	Chicago	Road	10
Frac Tanks	Chicago	20,000 gal ea. (heating capability)	3

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm	Chicago	3" Steel	3
Double Diaphragm	Chicago	3" Poly	1
Double Diaphragm	Chicago	2" Steel	3
Double Diaphragm	Chicago	2" Poly	4
Double Diaphragm	Chicago	1" Poly	1
Drum Vacuum	Chicago	2" Tornado	2
Drum Vacuum	Chicago	2" Nortech	1
Hot Water Pressure Washer	Chicago	3000 psi, trailer mounted	2
Cold Water Pressure Washer	Chicago	2000 psi, portable	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Chicago	Hard 18"-1800' on 3 Trailers	2100
Oil Containment Boom	Chicago	Hard 10"-Amer. Marine Superswamp	800
12' Boom Trailer	Chicago	Closed	2
16' Boom Trailer	Chicago	Closed	1
20' Boom Trailer	Chicago	Open	1
Absorbents	Chicago	8" Sorbent Booms, Pads, Sweep	Stock
<b>(5) Environmental Monitoring Equipment</b>			
HNU Meters	Chicago		3
LEL/O2/CO/H2S Meters	Chicago		3
Jerome Meter	Chicago		1
Draeger Pumps	Chicago		4
Personal Sampling Pumps	Chicago		6
<b>(6) Recovery Equipment</b>			
3.5' x 3.5' Duckbill Skimmer	Chicago		1
4' Double Barrel Skimmer	Chicago		1
8' Double Barrel Skimmer	Chicago		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
743 Bobcat With Trailer	Chicago	743 Bobcat	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Chicago	3500	1
Compressors	Chicago	185 CFM	3
Mobile Light Towers	Chicago	w/generator	1
<b>(9) Health and Safety Equipment</b>			
SCBA's	Chicago	4500 PSI	5
SCBA Cylinders	Chicago	4500 PSI	4
SCBA's	Chicago	2216 PSI	2
SCBA Cylinders	Chicago	2216 PSI	2
SAR Regulators	Chicago		2
SAR 4 Man Manifold	Chicago		2
SAR 2 Man Manifold	Chicago		1
SAR w/ 5 Minute Egress	Chicago		8
SAR Pigtails	Chicago		1
Air Line	Chicago	Breathing Air	1000'
APR Full Face	Chicago	Stock	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Marine Radios (Hand Held)	Chicago		4
Two-Way Radios (Hand Held)	Chicago		8
<b>(11) Miscellaneous</b>			
Remote Drum Operator	Chicago		1
Intrinsically Safe Lighting	Chicago		3
Mechanical Extraction Devices	Chicago		3
Tank Truck Tripod	Chicago		3
Coppus Horns	Chicago		4
Pneumatic Reciprocating Saw	Chicago		6
4" Cusco Hose	Chicago		300'
1" Hard Hose	Chicago		800'
2" Hard Hose	Chicago		500'
3" Hard Hose	Chicago		500'
4" Vactor Hose	Chicago		300'
3" Lay Flat Hose	Chicago		500'
Air Hose	Chicago	3/4"	1000'
Chemical Hard Suction Hose	Chicago	2"	400'
Pneumatic Fans	Chicago		2
Pneumatic N bblcr	Chicago		1
Portable Acetylene Torch	Chicago		2
Chain Saws	Chicago		1
Demolition Saws	Chicago		2
Field First Aid Kits	Chicago		3
Hydrogen Cyanide Antidote Kits	Chicago		1
Anchors	Chicago		6
Chest Waders	Chicago		5
Rope Line (poly)	Chicago		2000'
Rope Line (manila)	Chicago		1500'
Personal Floatation Devices	Chicago		10
Fully Encapsulated Suits	Chicago	Limited Response	7
Nomex Coveralls	Chicago		10
Saranex Suits	Chicago		Stock
Poly Tyvek Suits	Chicago		Stock
Barricade Suits	Chicago		Stock
Gloves	Chicago		Stock
Ledisolv	Chicago	5 Gallon Containers	1
Hydrated Lime	Chicago	100 lbs each	20
Eye Wash Station	Chicago	Portable	1

<b>Emergency Response Subcontractors</b>
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**On Site Staffing**

12311 W. 26th St., Suite 313  
Chicago, IL  
Phone # (800) 667-3680

**Contact:**

None Specific

**Services Provided:**

Staffing

**Baker Tanks**

Lincoln Highway  
Chicago Heights, IL  
Phone # (800) 532-8265

**Contact:**

None Specific

**Services Provided:**

Roll-offs  
Frac Tanks  
Pumps and Hoses  
Containments

**Rain For Rent**

221 Mcdonald Avenue  
Joliet, IL  
Phone #: (815) 744-3947  
Fax / Other # (815) 744-4820

**Contact:**

None Specific

**Services Provided:**

Roll-offs  
Frac Tanks  
Pumps and Hoses  
Containments

<b>CINCINNATI, OH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(513) 681-6259</b>
<b>4879 Spring Grove Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Cincinnati, OH 45232</b>	<b>Fax #</b>	<b>(513) 681-6246</b>

Brian Ludwig, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Ludwig  
Michael Moore  
Teresa Wasson

Mike Kreacic

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Foreman	3
Equipment Operator	2
Field Technician II	1
Field Technician I	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
22' Power boat	Cincinnati	Open Fiberglass/Westpoint/115	1
16' John Boat	Cincinnati	Aluminum, 25 HP	1
14' Skiff	Cincinnati	Open Fiberglass, 15 HP	1
Marine Portable Radios	Cincinnati	Standard	2
Commercial Radio, Mobile	Cincinnati	Motorola	11
Coast Guard Work Vests	Cincinnati		12
Coast Guard Deck Suits	Cincinnati		12
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Cincinnati	5,000 gallon	4
Straight Vacuum Truck	Cincinnati	3,000 gallon Ford	1
High Powered Vactor	Cincinnati	Cusco 3,000 gallon capacity	1
Vacuum Unit	Cincinnati	1,000 gallon Skid Mount	1
Vacuum Unit	Cincinnati	500 gallon Skid Mount	1
Emergency Response Trailer	Cincinnati	Wells Cargo	2
Semi-Tractor Power Unit	Cincinnati	KW	5
Straight Box	Cincinnati	Ford	1
Box Trailer	Cincinnati	Great Dane 48ft	4
Pickup	Cincinnati	Ford/GM/Ford Rack	6
Utility Trailers	Cincinnati	Probuilt	4
Roll Off Trailer	Cincinnati		2
Van Trailer	Cincinnati		5
<b>(3) Pumps and Pressure Equipment</b>			
3" Wilden D.D. Pump	Cincinnati	M-15	2
2" Wilden D.D. Pump	Cincinnati	M-8	2
2" Wilden D.D. Poly Pump	Cincinnati	M-8 Poly	2
Vacuum Drum Loader	Cincinnati	Norton	1
Pneumatic Drum Pump	Cincinnati	Flux	1
Pneumatic Drum Vacuum	Cincinnati	Fish and Callahan	2
Gasoline Powered Pump	Cincinnati	1.5"	1
Pressure Washer	Cincinnati	Hotsy	1
Pressure Washer	Cincinnati	2500 psi, portable	1
Manual Diaphragm Pump	Cincinnati	Pataay	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Cincinnati	18" American Marine	3000'
Oil Containment Boom	Cincinnati	10" American Marine	300
Absorbent Boom	Cincinnati	SPC 6", 40/Bag 5' x 10'	76
Absorbent Pads	Cincinnati	100 per bag SPC 101	107
<b>(5) Environmental Monitoring Equipment</b>			
HNU	Cincinnati	P1101	2
Explosion Meter	Cincinnati	TMX 412	1
SKC Personal Monitor	Cincinnati	SKC 224-30, Continuous	2
Draeger Pump	Cincinnati	Dreger/MSA	2
Sensidyne Pump	Cincinnati	Gastech	3
Coppus Air Blowers	Cincinnati	4"	1
Coppus Air Blowers	Cincinnati	6"	1
Coppus Manway Fan	Cincinnati	21"	3
MSA PID	Cincinnati	Passport	1
MSA LEL - 4 Gas	Cincinnati	Passport	1
Mercury Meter	Cincinnati	Lumex	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Wacker Generator	Cincinnati	GS 5.6	1
185 CFM Air Compressor	Cincinnati	Atlas/Copco	1
<b>(9) Health and Safety Equipment</b>			
MSA HipAir	Cincinnati	15 min. Esc. Cyl./MSA	6
MSA SCBA	Cincinnati	1 hour/4500	6
MSA Cascade System	Cincinnati	Airline Respirator, 50 ft.	6
CSE Safety Harness	Cincinnati	Miller	6
MSA Air Purifying Respirator	Cincinnati	Cartridge	15
CSE Extraction System	Cincinnati	DBI	3
<b>(10) Communications</b>			
2 Way Radios	Cincinnati	Nextel	8
<b>(11) Miscellaneous</b>			
Nilfisk Hepa Vacuum	Cincinnati		2
Mercury Vacuum	Cincinnati	Minute Man	1
Frac Tank	Cincinnati	Portable	4

<b>Emergency Response Subcontractors</b>
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<b>CLEVELAND, OH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(216) 429-2401</b>
<b>2930 Independence Rd.</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Cleveland, OH 44115</b>	<b>Fax #</b>	<b>(216) 429-2713</b>

Brian Overmyer, General  
Manager

EPA / Federal ID #: OHD000724153

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Overmyer  
Chris Archacki  
Paul DiCarro

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Foreman	5
Equipment Operator	3
Field Technician	3

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
12' Workboat	Cleveland	Starcraft w/5 HP outboard	2
16' Workboat	Cleveland	W/30 HP Outboard	1
22' Workboat (Pointer)	Cleveland	W/110 HP Outboard	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailers	Cleveland	5,000 gallon Stainless Steel	1
Box Trucks	Cleveland	With Lift Gate	1
Emergency Response Trailer	Cleveland		1
Roll Off Chassis	Cleveland		1
Roll Off Boxes	Cleveland		1
Tank Trailers	Cleveland	5,000 gal Rubber Lined	1
Rack Truck	Cleveland	Lift Gate	1
Tank Trailers	Cleveland	5,000 gal Stainless Steel	1
Pick-up/Van/Crew Cab	Cleveland		6
Emergency Response Trailer	Cleveland	20'	1
Emergency Response Trailer	Cleveland	12'	1
Emergency Response Trailer	Cleveland	8'	1
Frac Tank	Cleveland	22,000 gallon	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Cleveland	2500 psi, gasoline powered, portable	2
2" Trash Pump	Cleveland		1
1.5" Double Diaphragm Acid Pump	Cleveland		1
2" Double Diaphragm Pump	Cleveland		2
2" Submersible Pump	Cleveland		2
Centrifugal Pump	Cleveland	2"	1
Chemical Pumps	Cleveland	Double D Poly 1 1/2"	1
Chemical Pumps	Cleveland	Double D Poly 2"	1
Chemical Pumps	Cleveland	Double D Aluminum 2"	2
Chemical Pumps	Cleveland	Double D Carbon St.. 2"	1
Pneumatic Drum Vacuum	Cleveland		2
Electric Drum Vacuum	Cleveland		2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Cleveland	18" American Marine	4000'
16' Boom Trailer	Cleveland		2
<b>(5) Environmental Monitoring Equipment</b>			
Jerome Meter	Cleveland		1
4- Gas O2/CO/H2S/LEL	Cleveland	Industrial Scientific	4
Photo Ionization Detector	Cleveland	HNU	2
Detector Tube Pumps	Cleveland	Sensidyne	2
2- Gas O2/LEL	Cleveland	MSA	2
<b>(6) Recovery Equipment</b>			
Mercury Vacuum Cleaner	Cleveland		1
HEPA Filtered Lead Vacuum	Cleveland		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Cleveland	Electric	2
Air Compressor	Cleveland	185 cfm	1
Air Mover	Cleveland	Coppus Manway Fan	1
Air Mover	Cleveland	Coppus Horn	2
<b>(9) Health and Safety Equipment</b>			
S.C.B.A. w/full face respirator.	Cleveland	MSA	8
Hip Airs	Cleveland	MSA	6
S.C.B.A. Air Cylinders	Cleveland	1 Hour/4500	10
S.C.B.A. Air Cylinders	Cleveland	5 Min. escape bottle	6
Level A Suits	Cleveland		4
<b>(10) Communications</b>			
2-Way Radio	Cleveland	Nextel	8
<b>(11) Miscellaneous</b>			
Personal Flotation Devices	Cleveland		9
Anchors	Cleveland		4
Air Hose	Cleveland		400'
Chemical Hose	Cleveland	1 1/2"	150'
Chemical Hose	Cleveland	2"	400'
Chemical Hose	Cleveland	3"	125'
Chemical Hose	Cleveland	4"	60'
Lay flat Discharge Hose	Cleveland		100'
Water blast Hose	Cleveland		300'
Statically Conductive Hose	Cleveland	6"	100'
3" Hard Hose	Cleveland		125'

<b>Emergency Response Subcontractors</b>
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<b>Spill Tech</b>	<b>Contact:</b>	<b>Services Provided:</b>
		Labor
<b>EAP Industrial Services</b>	<b>Contact:</b>	<b>Services Provided:</b>
		Labor
<b>Emerald Environmental</b>	<b>Contact:</b>	<b>Services Provided:</b>

<b>WHEELING, WV SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(724) 444-4244</b>
<b>10 Industrial Park Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Wheeling, WV 26003</b>	<b>Fax #</b>	<b>(724) 444-4240</b>

Brian Overmyer, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Brian Overmyer

\*Satellite to Cleveland office

<b>40-Hour OSHA Trained Personnel:</b>
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N/A – Sales office, all ER handled from Cleveland office

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Jon Boat		PA4761BH 14' 1992 Starcraft Flat bottom	1
<b>(2) Motor Vehicles</b>			
Crew Cab Pickup	Wheeling	Ford F-350 Crew Cab	1
Tractor	Wheeling	1994 Kenworth-Tractor	1
Spill Trailer	Wheeling	8'	1
Spill Trailer	Wheeling	12'	1
<b>(3) Pumps and Pressure Equipment</b>			
185 CFM Air Compressor	Wheeling		1
<b>(4) Oil Spill Containment Booms</b>			
1500' yellow hard boom	Wheeling		1500'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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## GULF COAST REGION SERVICE CENTERS

<b>HOUSTON, TX SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(281) 478-7700</b>
<b>2202 Genoa Red Bluff Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Houston, TX 77034</b>	<b>Fax #</b>	<b>(281) 478-7701</b>

Calvin Lewis, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dave Asher  
 Tammy Brasher  
 Doug Harrell  
 Theresa Posey

Ben Aleman

**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	4
Equipment Operator	5
Field Technician II	4
Field Technician I	10

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Barge Boat w/ Twin 130HP	Houston	30 foot	1
Center Console Work Boat	Houston	20 Foot	1
<b>(2) Motor Vehicles</b>			
Vacuum Trucks	Houston	80 bbls	1
Pick-up Trucks	Houston	Ford F150, F250, F350	9
Roll-Off Truck	Houston	Volvo	1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Houston	2"	4
Double Diaphragm Pump	Houston	1"	3
Wash Pumps	Houston	2"	3
Hotsy	Houston	3500 psi	2
Hotsy	Houston	5000 psi	1
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Houston		2500
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Houston	4' Drum Skimmer w/ compressor	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Houston	Gas Powered	1
<b>(9) Health and Safety Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Nextel	Houston	Phone + 2Way Radios	21
<b>(11) Miscellaneous</b>			
Spill Trailer	Houston	38' Stocked with Absorbents & PPE	1
Spill Trailer	Houston	18'	1
Spill Trailer	Houston	12'	1

<b>Emergency Response Subcontractors</b>
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**Anderson Pollution Control**  
1101-A West Lewis  
Conroe, TX 77301  
936-441-2225  
936-539-2099

**Contact:**  
Tommy Anderson

**Services Provided:**  
ER

<b>PORT ARTHUR, TX SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(409) 796-1388</b>
<b>Highway #73 at Sabine Consolidated Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Port Arthur, TX 77640</b>	<b>Fax #</b>	<b>(409) 796-1133</b>

Eddy Yates, General Manager

EPA / Federal ID #:

TXD981598246

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eddy Yates  
Mark Scroggs  
David McCoy  
Harold Webster

Ryan Kees  
Peri Bryan  
Carla Williams  
Chris Dupuis

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4	Wastewater Treatment Operator	1
Foreman	5	Chemist	2
Equipment Operator	10	Project Manager	3
Field Technician I	16	Site Safety Officer	1
Mechanic	3	Welder	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Boats, 18' & under	Port Arthur	16' Jon Boats/Alum 25-horse	7
Boats, 20' & under	Port Arthur	20' Jon Boat/alum 50-horse	1
Boats, 20' & over	Port Arthur	26' Hanko Twin 115-horse	1
Skimmers	Port Arthur	4' Drum /2-2'Drum	3
E.R. Trailers	Port Arthur	32' 5Th Wheel/28' 5Th Wheel	2
<b>(2) Motor Vehicles</b>			
FORD P/U	Port Arthur	F-350 4-DOOR	10
FORD P/U	Port Arthur	F-250 EXT. CAB	4
FORD P/U	Port Arthur	F-150 4 DOOR	2
Tractor	Port Arthur	KW/VOLVO/GM	10
Vacuum Truck, Liquid-80 Bbl	Port Arthur	MACK	12
Airmover/Supersucker/Wet-Dry	Port Arthur	FREIGHT/MACK	2
Roll-Off , Bobtail Truck	Port Arthur	MACK/FREIGHT	7
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Port Arthur	3" Versa-matic	2
Trash Pump	Port Arthur	4" Electric Gormon Rupp 14C20-B	1
Submersible Pump	Port Arthur	H&H Pump 2-27X6	1
Hydraulic Power Unit	Port Arthur	John Deere Power Unit	1
Coppus Blower	Port Arthur	Coppus Blower	1
Double Diaphragm Pump	Port Arthur	2" Stainless	1
<b>(4) Oil Spill Containment Booms</b>			
TRAILER AND BOOM	Port Arthur	18"/ with 24 ft cage boom trailer	3800'
<b>(5) Environmental Monitoring Equipment</b>			
N/A			
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Port Arthur	2" Drum Skimmer/W Compressor	1
Drum Skimmer	Port Arthur	3" Drum Skimmer/W Compressor	1
Drum Skimmer	Port Arthur	4' Drum Skimmer/W Compressor	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Backhoe	Port Arthur	CASE	1
Bobcat	Port Arthur	BOBCAT	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Port Arthur	9700kw/15000kw	2
<b>(9) Health and Safety Equipment</b>			
Respirator Cartridges	Port Arthur	Assorted Equipment	Assorted
Eye wash	Port Arthur	Portable (Handheld)	Assorted
<b>(10) Communications</b>			
2-Way Radio	Port Arthur	Nextel	27
Cellular Phones	Port Arthur	Cingular	12
<b>(11) Miscellaneous</b>			
Hose	Port Arthur	3" Tank Truck Hose X 25'	3
Hose	Port Arthur	4" Tank Truck Hose X 25'	20
Hose	Port Arthur	1 1/2 " Water Hose X 50'	3
Hose	Port Arthur	3/4" Air Hose X 50'	4

<b>Emergency Response Subcontractors</b>
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**Miller Environmental**

2208 Industrial Dr.  
Sulfur LA 70665  
337-882-9800

**Contact:**

Matt Dartez

**Services Provided:**

Spill Response

**Dillon Environmental**

P.O. Box 1393  
Ardmore OK. 73402  
580-226-5303

**Contact:**

Scott Dillon

**Services Provided:**

Spill Response

**Anderson**

11011 West Lewis suite A  
Conroe TX. 77301-2219  
281479-5300

**Contact:**

Tommy Anderson

**Services Provided:**

Spill Response

<b>BATON ROUGE, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(225) 778-1234</b>
<b>13351 Scenic Highway</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Baton Rouge, LA 70807</b>	<b>Fax #</b>	<b>(225) 778-3511</b>

Terry Powell, General Manager

EPA / Federal ID #:

LAD 010 395 127

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Terry Powell  
Jay LeGlue

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4
Foreman	3
Field Technician	15
Equipment Operator	5
Mechanic	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Power Workboat	Baton Rouge	19' (Fiberglass)	1
Power Workboat	Baton Rouge	24' Boat and Motor	2
Power Workboat	Baton Rouge	16' Boat and Motor	1
Power Workboat	Baton Rouge	24' Cabin boat	1
Power Workboat	Baton Rouge	26' Hanko	1
Power Workboat	Baton Rouge	26' Barge Boat	1
Power Workboat	Baton Rouge	30' Marko	1
Power Workboat	Baton Rouge	14/16' John Boat	11
Power Workboat	Baton Rouge	15 Hp Yamaha Motor	10
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Baton Rouge	130bbl	1
Vacuum Truck	Baton Rouge	70bbl ( High Vac Air Mover)	1
Vacuum Truck	Baton Rouge	70bbl (High Vac Liquid Ring)	1
Vacuum Truck	Baton Rouge	70bbl (Standard)	2
Roll-Off Truck	Baton Rouge	Single rail /Tractor-trailer	1
Pickup Truck	Baton Rouge	Single Cab (F-250)	1
Pickup Truck	Baton Rouge	Super Duty (F-550)	1
Pickup Truck	Baton Rouge	Boom Truck (F-350)	1
Four Wheeler	Baton Rouge	All Terrain	5
Box Van	Baton Rouge	42' Box Van (Boom Storage)	1
Box Van	Baton Rouge	42' Box Van (Command Center)	1
Gooseneck Trailer	Baton Rouge	30' Flat bed	2
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Baton Rouge	6500psi Mounted	1
Hydro Blaster	Baton Rouge	10,000 psi Mounted	1
Diaphragm Pump	Baton Rouge	(3") Steel	5
Diaphragm Pump	Baton Rouge	(2") Steel	3
Trash Pump	Baton Rouge	Trash Pumps	17
Hoses	Baton Rouge	(3") Hoses (Tank Truck)	300'
Hoses	Baton Rouge	(2") Hoses (Tank Truck)	100'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Baton Rouge	18' Caged Boom Trailer	3
Boom	Baton Rouge	Boom (18", 12" Skirt, 6" Fr)	7500'
Boom Trailer	Baton Rouge	Caged Boom Trailer	1
<b>(5) Environmental Monitoring Equipment</b>			
5 Gas Meter	Baton Rouge		2
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Baton Rouge	2' Drum Skimmer w/ Compressor	2
Drum Skimmer	Baton Rouge	3' Drum Skimmer w/ Compressor	1
Drum Skimmer	Baton Rouge	4' Drum Skimmer w/Compressor	1
Rope Skimmer	Baton Rouge	Rope Skimmers	2
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat	Baton Rouge		2
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Baton Rouge	5000 Watt	1
Light Plant	Baton Rouge		1
Compressors	Baton Rouge		2
Air Hose	Baton Rouge	3/4" by 50' Air Hose	750'
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Gear	Baton Rouge	Complete Set	2
<b>(10) Communications</b>			
2-Way Radio	Baton Rouge	Nextel	15
<b>(11) Miscellaneous</b>			
Spill Trailer	Baton Rouge	34' Haz Mat Response Trailer	1
Spill Trailer	Baton Rouge	34' Haz Mat Response Trailer	2
Utility Trailer	Baton Rouge	16' Utility Trailer	2

<b>Emergency Response Subcontractors</b>
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**Industrial Cleanup Inc.**

Address 1  
Garyville, LA  
(985) 535-3174  
Fax / Other #

**Contact:**

Ray Derkson

**Services Provided:****ES&H**

Address 1  
Houma, LA  
(985) 851-5350

**Contact:**

Tray Boucvalt

**Services Provided:**

<b>SULPHUR, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(337) 882-1025</b>
<b>3201 Petro Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sulphur, LA 70665</b>	<b>Fax #</b>	<b>(337) 882-1029</b>

Eddy Yates, General Manager  
Wilmer Johnson, Operations Manager

EPA / Federal ID #: N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Eddy Yates  
Wilmer Johnson  
Mark Scroggs  
David McCoy

Virgil Blanchard  
\*Satellite to Port Arthur Office

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Foreman / Equipment Operator	1

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Power workboat	Sulphur	22' Custom Flat w/ 150HP	1
<b>(2) Motor Vehicles</b>			
Pickup	Sulphur	Ford F150, F250	3
Spill Trailer	Lake Charles	34' Haz Mat Response Trailer	1
Spill Trailer	Lake Charles	34' Haz Mat Response Trailer	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Sulphur	2"	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Sulphur	18' Caged Boom Trailer	3
Boom	Sulphur	Boom	2400'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Sulphur	<10KW	1
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			
Roll-off Container	Sulphur	25 yard	2

<b>NEW ORLEANS, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(225) 778-1234</b>
<b>13351 Scenic Highway</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Baton Rouge, LA 70807</b>	<b>Fax #</b>	<b>(225) 778-3511</b>

Carroll Arceneaux, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Carroll Arceneaux  
Terry Powell  
Jay LeGlue

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor / Equipment Operator 1

\*Satellite to Baton Rouge Office, currently waiting on new equipment

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Pickup Truck	New Orleans		1
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
Two-way Radio	New Orleans	Nextel	1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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See Baton Rouge Sheet

Contact:

Services Provided:

## WEST REGION SERVICE CENTERS

<b>SAN JOSE, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(408) 451-5000</b>
<b>1040 Commercial Street - Suite 109</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>San Jose, CA 95112</b>	<b>Fax #</b>	<b>(408) 451-5143</b>

Lee Barfield, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Lee Barfield  
M ke Piercey  
Jim Millick  
Pattie Lovell

Nick Jasmin

**40-Hour OSHA Trained Personnel:**

Supervisor	4
Foreman	3
Equipment Operator	3
Field Technician I	12

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
30' Aluminum Boat	San Jose	Twin 225 HP outboard	1
36" SKIMMER	San Jose	CRUCIAL	1
15' Aluminum Boat	San Jose	25 HP outboard	1
<b>(2) Motor Vehicles</b>			
Pick-up Trucks	San Jose	Ford F350, DSL	5
Pick-up Trucks	San Jose	Ford F250, DSL	1
Cusco	San Jose	3000 G STRAIGHT VAC. , DSL	1
Cusco	San Jose	3200 G VAC. & BLOWER, DSL	1
STAKE BED	San Jose	Ford, DSL	1
BOX TRUCK	San Jose	Ford F350, Gas	1
ROLL OFF STRAIGHT TRUCK	San Jose		1
ROLL OFF TRAILER	San Jose		1
<b>(3) Pumps and Pressure Equipment</b>			
HEATED PRESSURE WASHER	San Jose	SHARK, HONDA 11	1
HEATED PRESSURE WASHER	San Jose	I.C.I., HONDA 13	3
PRESSURE WASHER	San Jose	RYOBI, SUBARU 7.0	3
PRESSURE WASHER	San Jose	EXCELL, HONDA 5.0	1
PRESSURE WASHER	San Jose	LANDA, HONDA 11.0	1
3" TRASH PUMP	San Jose	MMB, HONDA 5.5	1
2" TRASH PUMP	San Jose	HONDA, HONDA4.0	1
2" TRASH PUMP	San Jose	HONDA, HONDA 5.5	2
2" TRASH PUMP	San Jose	HONDA, HONDA4.0	1
CSE BLOWER	San Jose	BRIGG & STRATTON, 3.5 HP	2
AIR COMPRESSOR	San Jose	RIGID, HONDA 5.5	2
CSE BLOWER	San Jose	AIR SYSTEMS	1
<b>(4) Oil Spill Containment Booms</b>			
BOOM TRAILER	San Jose	BIG TEX	
8" x 50'	San Jose		40
8" x 100'	San Jose		60

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
ARIZONA INSTRUMENTS	San Jose	JEROME	
GASTECH	San Jose	4 GAS	
DRAGGER/ DETECTOR TUBES	San Jose		
DRAGGER/ DETECTOR TUBES	San Jose		
MATHESON/8014-400A	San Jose		
MSA	San Jose	4 GAS	
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
GENERATOR	San Jose	POWERMATE, 6.0HP GAS	1
Compressor	San Jose		
Light Tower	San Jose		
<b>(9) Health and Safety Equipment</b>			
MSA/ ULTRALITE	San Jose		6
DRAGGER / HIP AIR	San Jose		6
MSA / 5-447-1	San Jose		6
<b>(10) Communications</b>			
2 Way Radio / Cell Phone	San Jose	Nextel	12
Motorola Ht1250 radio	San Jose	Motorola	2
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>Hertz</b>	<b>Contact:</b>	<b>Services Provided:</b>
San Jose, CA 408-297-4441		Equipment Rental
<b>Delta laboratories</b>	<b>Contact:</b>	<b>Services Provided:</b>
Benicia, CA 707-747-6081		Environmental Laboratories
<b>Subcontractor Name Lutrel Trucking</b>	<b>Contact:</b>	<b>Services Provided:</b>
6315 Snow Rd Bakersfield, CA 93308 661-399-0246		Transporters
<b>Universal Envirn</b>	<b>Contact:</b>	<b>Services Provided:</b>
4101 Industrial way Benicia, CA 94510		

<b>LOS ANGELES, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(310) 764-5851</b>
<b>2500 East Victoria Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Compton, CA 90220</b>	<b>Fax #</b>	<b>(310) 764-5863</b>

Mike Delatorre, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mike Delatorre  
 Bob Seitz  
 Rafael Villalobos  
 Will Canto

**40-Hour OSHA Trained Personnel:**

Supervisor	4	Field Technician I	8
Foreman	4		
Equipment Operator	6		
Field Technician III	2		
Field Technician II	1		

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
E.R. Spill Trailer	Los Angeles	Wells Cargo	1
Boat	Los Angeles	Flat Bottom Boat	1
Boat	Los Angeles	John Boat	1
Boat	Los Angeles	John Boat	1
<b>(2) Motor Vehicles</b>			
Vac Trailer	Los Angeles	Certified	1
Vac Trailer	Los Angeles	Keith Huber Vac	1
Roll-Off-Frame	Los Angeles	Bobco	1
Roll-Off-Trailer	Los Angeles	Bobco	1
Equipment Trailer	Los Angeles	Zieman	1
Straight Vacuum Truck	Los Angeles	International	1
Cusco	Los Angeles	Kenworth	1
Tractor	Los Angeles	Volvo	1
Tractor	Los Angeles	Freightliner	3
Rack Truck	Los Angeles	Ford	1
ERV	Los Angeles	GMC	1
Box Truck	Los Angeles	Ford	1
Pickup Truck	Los Angeles	Ford F-350 / F-250	10
Pickup Truck	Los Angeles	Ford F-550	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Los Angeles	American	2
Portable Pressure Washer	Los Angeles	Hydro Tek	2
Pressure Washer	Los Angeles	Propane	1
Double "D" Chemical Pump	Los Angeles	Weldon	1
Trash pump	Los Angeles	Honda	3
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Los Angeles	Zieman	1
4500' of Hard Boom	Los Angeles	American Marine	4500'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
HNU		12.2eV PID	3
Drager CMS Unit	Los Angeles	Chip Reader	1
Bacharch Mercury Meter	Los Angeles	MV-2 Vapor Meter	1
Ludlum Radiation Detector	Los Angeles	Model 3	2
MSA Sirius PID Meter	Los Angeles	5-Gas Meter	3
GASTEC	Los Angeles	GV-100	3
Dexsil PetroFLAG	Los Angeles	Petroleum Hydrocarbon	1
Chlor-N-Soil 50 Test Kits	Los Angeles	PCB Soil	2
<b>(6) Recovery Equipment</b>			
Skimmer	Los Angeles	Crucial	2
Mercury Vacuum	Los Angeles	Nikro	2
Hepa Vacuum	Los Angeles	Pullman Holt	4
Wet & Dry Vacuum	Los Angeles	Dayton	4
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Skid Steer	Los Angeles	CAT	1
<b>(8) Generators / Compressors / Light Towers</b>			
Tow Behind Compressor	Los Angeles	Ingersoll Rand	3
Portable Compressor	Los Angeles	Rigid	2
Tow Behind Light Tower / Generator	Los Angeles		3
Portable Generator	Los Angeles	Briggs & Stratton	2
<b>(9) Health and Safety Equipment</b>			
SCBA	Los Angeles	MSA / Drager	11
Supplied Air Systems	Los Angeles	MSA / Drager	15
Mechanical Extraction Device	Los Angeles		4
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>WEST SACRAMENTO, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(916) 375-2611</b>
<b>3201 Evergreen Ave Suite 360</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>West Sacramento, CA 95691</b>	<b>Fax #</b>	<b>(916) 373-0649</b>

Kevin Carnahan, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Kevin Carnahan  
Jason Meehan  
Ty Reguera

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Foreman	2
Field Technician I	8
Field Technician II	2
Equipment Operator	3

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
E.R. Spill Trailer	Sacramento	Wells Cargo	1
Boat	Sacramento	Flat Bottom	1
<b>(2) Motor Vehicles</b>			
Skid Mount Vacuum	Sacramento	Bobco	1
Cusco	Sacramento	Peterbuilt	1
Guzzler	Sacramento		1
Vacuum Trailer	Sacramento	5000 Gal	1
Tractor	Sacramento	Freightliner	1
Rack Truck	Sacramento	5556	1
Pickup Truck	Sacramento	F-350	5
<b>(3) Pumps and Pressure Equipment</b>			
Tow Behind Hotsy	Sacramento	All American	1
Portable Hotsy	Sacramento	All American	1
Double Diaphragm Chemical Pump	Sacramento	2" Pneumatic	2
Double Diaphragm Pump	Sacramento	2" Pneumatic	1
Double Diaphragm Pump	Sacramento	1" Pneumatic	1
Trash Pump	Sacramento	2"	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer w/ 2500' 18" Boom	Sacramento		2500'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
HEPA Vacuum	Sacramento	Pullman Holt	1
Mercury Vacuum	Sacramento		3
Wet / Dry Vac	Sacramento		3
55 Gal Drum Vac	Sacramento		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(8) Generators / Compressors / Light Towers</b>			
Tow Behind Compressor	Sacramento	Ingersoll Rand	1
Tow Behind Light Tower / Generator	Sacramento	Coleman	1
Portable Generator	Sacramento		3
<b>(9) Health and Safety Equipment</b>			
SCBA	Sacramento	Air System	1
Breathing Air Bottles	Sacramento		2
Mechanical Extraction Device	Sacramento		1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>SAN DIEGO, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(858) 547-3100</b>
<b>9369 Dowdy Drive, Suite H</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>San Diego, CA 92126</b>	<b>Fax #</b>	<b>(858) 547-3146</b>

Dean Matsuoka, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dean Matsuoka  
Brent Trimmer  
Paul Bratti

**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	1
Equipment Operator	1
Field Technician	3

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	San Diego	16' Alweld w/ 25 HP	1
Power Workboat	San Diego	Hanko	1
<b>(2) Motor Vehicles</b>			
High Powered Vacuum Truck / Cusco	San Diego	Freightliner	1
Rack Truck	San Diego	Ford	1
Pickup Truck	San Diego	F-250	3
<b>(3) Pumps and Pressure Equipment</b>			
Hotsy Pressure Washer	San Diego	Hotsy	1
Trash Pump	San Diego	2"	1
Trash Pump	San Diego	3"	1
Double Diaphragm Pump	San Diego	3"	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
5-Gas Meter	San Diego		1
Automated Calibration System	San Diego	MSA Galaxy Automated Test System	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	San Diego		1
<b>(9) Health and Safety Equipment</b>			
SCBA	San Diego	MSA	4
Breathing Air Bottle	San Diego	MSA	4
Mechanical Extraction Device	San Diego	DBI / SALA	1
<b>(11) Miscellaneous</b>			
Boom Trailer	San Diego	Carson	1
Explosion Proof Blower	San Diego		1

<b>SPARKS, NV SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(775) 331-9400</b>
<b>1200 Marietta Way</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sparks, NV 89431</b>	<b>Fax #</b>	<b>(775) 331-9403</b>

Matthew Jung, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Matthew Jung  
Leif Hammond  
Paul Bratti  
Kevin Carnahan

David Walizer

\*Satellite to San Jose Office

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Field Technician	4
Equipment Operator	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	Sparks	16' Alweld w/ 25 HP	1
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Sparks	3000 Gal	1
Gap Vac	Sparks	Volvo	1
Rack Truck	Sparks	Ford	1
Pickup Truck	Sparks	F-250	3
ER Trailer	Sparks	Haulmark	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Sparks	Alkota Hotsy	1
Trash Pump	Sparks	2"	1
Trash Pump	Sparks	3"	1
Pneumatic Double Diaphragm Pump	Sparks	2"	2
<b>(4) Oil Spill Containment Booms</b>			
10" Containment Boom	Sparks	10" Hard boom	100'
<b>(5) Environmental Monitoring Equipment</b>			
5-Gas Meter	Sparks	MSA Sirius	1
Automated Calibration Station	Sparks	MSA Galaxy Automated Test System	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Sparks		1
Generator	Sparks	3000 Watt	1
<b>(9) Health and Safety Equipment</b>			
Explosion Proof Blower	Sparks	MSA	1
SCBA	Sparks	MSA	4
Breathing Air Bottles	Sparks	MSA	4
Mechanical Extraction Device	Sparks	DBI / SALA	1

## CANADIAN SERVICE CENTERS

<b>MISSISSAUGA, ONTARIO SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(905) 822-3951</b>
<b>551 Avonhead Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Mississauga, ON L5J 4B1</b>	<b>Fax #</b>	<b>(905) 822-1121</b>

Bill Elliot, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Bill Elliott  
Paul Casey

<b>40-Hour OSHA Trained Personnel:</b>
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Technician Drivers	2
Equipment Operator	12
Mechanic	1

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Tractor	Mississauga	Ryder	10
Vacuum Truck	Mississauga	3900	2
Vacuum Truck	Mississauga	3200	1
Drum Truck	Mississauga	16 drums	1
Lugger Truck	Mississauga		1
Transporter	Mississauga	8000 Gal	1
Transporter	Mississauga	5500 Gal	1
Transporter	Mississauga	6000 Gal	1
Van Trailer	Mississauga	88 Drum	9
Van Trailer	Mississauga	88 Drum, with liftgate	2
Van Trailer	Mississauga	92 Drum	19
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			
Roll-off Container	Mississauga	40 Yard	1

<b>BURLINGTON, ONTARIO SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(905) 332-1111</b>
<b>1790 Ironstone Drive</b>		
<b>Burlington, ON L7L 5V3</b>	<b>Fax #</b>	

Brett Herman, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Brett Herman  
 Mike Fellner  
 Dave Robillard

Roger Ries  
 Cassandra Hopkins

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	3
Foreman	4
Equipment Operator	8
Field Technician	4

<b>(1) Marine Support Equipment</b>			
12' Aluminium	Guelph		1
<b>(2) Motor Vehicles</b>			
Vacuum S.J. Truck	Guelph	Cusco - 3,000 gal. (1400CFM)	1
Vacuum S.J. Truck (SS)	Guelph	4,000 gal.	1
Vacuum Trailers (L Class only)	Guelph	5,000 gal	1
Turbo Vacuum Trailer (Wet/Dry)	Guelph	Cusco - 5,500 gal	1
Turbo Vacuum Trailer (Wet)	Guelph	Cusco - 4,000 gal	1
Turbo Vacuum Loader (SS, Wet/Dry)	Guelph	Cusco - 3,000 gal	1
Shell Tanker (SS)	Guelph	5,000 gal	1
Tractor with Sleeper	Guelph	Tractors	7
Roll Off Truck	Guelph	Strait Job	1
Pick-Up Trucks	Guelph	Ford F350	4
Drop Deck Trailer	Guelph	Flatbed Trailers	2
Detachable Low Bed Trailer	Guelph	Equipment Float	1
Van Trailers	Guelph	Van Trailers	2
Dump Trailers	Guelph	Dump Trailer	1
Hotsy on Trailer	Guelph	3,500 PSI	1
High Pressure Water Blaster	Guelph	10,000 PSI	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Guelph	Gas Powered 2"	1
Trash Pump	Guelph	Gas Powered 3"	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
Gastec Pump	Guelph	Sample Pump	1
MSA Gas Indicator	Guelph	Sirius with PID	2
BW Alert Badges	Guelph	H2S Badges	4

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(6) Recovery Equipment</b>			
Portable Tanks	Guelph	500 gallon Poly	2
Surge Tanks	Guelph	12,000 gallon	1
Cement Tanks	Guelph	8000 gallon	2
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavator	Guelph	Kobelco	1
Excavator	Guelph	Komatsu PC-60	1
Bobcat	Guelph	Case 1845C , Skidsteer	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Guelph	600/220/110V, watt	1
<b>(9) Health and Safety Equipment</b>			
Confined Space Retrievals	Guelph	DBI/SALA Tripod	1
Vacuum Breakers	Guelph	6" Bush Hog Vacuum Breakers	5
<b>(10) Communications</b>			
2-Way Radio	Guelph	Nextel	16
<b>(11) Miscellaneous</b>			
6" Hard Pipe	Guelph	6" Bush Hog Hard Pipe	600'

<b>DARTMOUTH, NOVA SCOTIA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(902) 481-0842</b>
<b>110 Thornhill Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Dartmouth, NS B3B 1S7</b>	<b>Fax #</b>	<b>(902) 481-0873</b>

Greg Maynard, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Greg Maynard

\*New office, sheet to be updated ASAP

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	2
Foreman	1
Equipment Operator	2
Field Technician	1

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>WINNIPEG, MANITOBA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(204) 231-9448</b>
<b>45 Terracon Place</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Winnipeg, MB R2J 4B3</b>	<b>Fax #</b>	<b>(204) 233-4177</b>

Alfio Corvino, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Alfio Corvino

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Equipment Operator	2
Field Technician	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Vacuum Straight Truck	Winnipeg	10,000L	1
High Powered Vacuum	Winnipeg	Cusco – 8,000L	1
Pick-Up Trucks	Winnipeg	Ford	1
Hotsy on Trailer	Winnipeg	2,500 PSI	1
Wet/Dry Vac	Winnipeg	5700 CFM	1
<b>(3) Pumps and Pressure Equipment</b>			
Diaphragm Pump	Winnipeg	2"	1
Diaphragm Pump	Winnipeg	3"	2
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
5 Gas PID	Winnipeg		1
<b>(6) Recovery Equipment</b>			
Open top drums	Winnipeg	205 L	20
Absorbion Pads	Winnipeg		20
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
Meter	Winnipeg	Gastech	1
Confined Space Entry Gear	Winnipeg		1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

**Emergency Response Subcontractors****Ken Palson Trucking**

2315 Dugald Road

Winnipeg, MB R2C 5L4

(204) 663-9008

(204) 663-8061 (Fax)

**Contact:****Services Provided:**Backhoes, Loaders,  
Trucks**MEP Environmental**

68 Paramount Road

Winnipeg, MB R2X 2W3

(204) 632-4118

(204) 632-5809 (Fax)

**Contact:****Services Provided:**24 Hour Emergency  
Response Supplies  
Boom, Pads, Etc.

## FACILITIES

### NORTHEAST REGION FACILITIES

<b>SOUTH PORTLAND, ME FACILITY</b>	<b>Main Phone #</b>	<b>(207) 772-2201</b>
<b>37 Rumery Road</b>		
<b>South Portland, ME 04106</b>	<b>Fax #</b>	<b>(207) 772-2485</b>

**EPA/Federal ID #:** MED980672182

**State ID# (If applicable):** N/A

Nick Keen, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Nick Keen  
Scott Day

**Type of Facility:**

Transfer, Treatment, and Storage Facility

**Wastes Handled:**

Fuel Oils  
Lubrication Oils  
Waste Water

**Waste Storage / Fixed Tank Capacity:**

168,000 gallons  
2-Fixed Facility Tanks 30,000 gallons each  
2-Fixed Facility Tanks 24,000 gallons each  
3-Fixed Facility Tanks 20,000 gallons each  
Processing Capacity: 50,000 gallons/day

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>BRAINTREE, MA FACILITY</b>	<b>Main Phone #</b>	<b>(781) 849-1807</b>
<b>1 Hill Ave.</b>		
<b>Braintree, MA 02184</b>	<b>Fax #</b>	<b>(781) 848-9629</b>

**EPA/Federal ID #:** MAD05342637

**State ID# (If applicable):** N/A

John J. Ross, Jr., General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

John J. Ross, Jr.  
David Medina

John Mattson  
Rich Harrington

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Bulk/Drums via Trucks  
Solvents and oils  
Organic and Inorganic Solutions  
PCB material  
Pathological waste

**Waste Storage / Fixed Tank Capacity:**

185,000 Gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>MURPHY'S OIL FACILITY</b>	<b>Main Phone #</b>	<b>(781) 935-9066</b>
<b>252 Salem Street</b>		
<b>Woburn, MA 01801</b>	<b>Fax #</b>	<b>(781) 935-8615</b>

**EPA/Federal ID #:** MAD066588005  
**State ID# (If applicable):** N/A

Scott Day, General Manager of Oil Companies

**Personnel Authorized to release equipment / materials / manpower, etc:**

Scott Day  
Chris Moran

Steve Cadigan

**Type of Facility:**

Transfer, Storage, and Transportation Facility

**Wastes Handled:**

Bulk via Truck  
Waste Oils and Fuel Oils

**Waste Storage / Fixed Tank Capacity:**

(5) 10,000 Gal Tanks  
(2) 20,000 Gal Tank  
(1) 30,000 Gal Tank

Processing Capacity: 40,000 gallons/day

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Motor Vehicles</b>			
Waste Oil Pump Truck	Woburn, MA	6500 gal Brenner	1
Waste Oil Pump Truck	Woburn, MA	7000 gal Bar-Bell	1
Waste Oil Pump Truck	Woburn, MA	2200 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Woburn, MA	4000 gal Ford / Straight Job/100 gpm	5
Waste Oil Pump Truck	Albany, NY	4500 gal Ford / Straight Job/100 gpm	2
Box Truck	Woburn, MA	40 Drum capacity / Ford	1
Waste Oil Pump Truck	Woburn, MA	4000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Braintree, MA	6500 gal Brenner	1
Waste Oil Pump Truck	Bristol, CT	7000 gal Bar-Bell	1
Waste Oil Pump Truck	Deptford, NJ	4000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Deptford, NJ	4500 gal Ford/ Straight Job/100 gpm	1
Waste Oil Pump Truck	Edison, NJ	4000 gal Ford / Straight Job/100 gpm	1
Transporter	Woburn, MA	10000 gal Beal w/ Tractor	3
Transporter	Portland, ME	10000 gal Heil w/ Tractor	2
Waste Oil Pump Truck	Cleveland, OH	4000 gal Ford / Straight Job/100 gpm	2
Waste Oil Pump Truck	Chicago, IL	4500 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Cleveland, OH	2800 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Cleveland, OH	4500 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Portland, ME	6000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Portland, ME	7000 gal Fruehauf w/Kenworth Tractor	1
Transporter	Portland, ME	7000 gal Fruehauf (#281,282,283)	2
Transporter	Cleveland, OH	7000 gal Fruehauf (#281,282,283)	1

<b>BRISTOL, CT FACILITY</b>	<b>Main Phone #</b>	<b>(860) 583-8917</b>
<b>51 Broderick Road</b>		
<b>Bristol, CT 06010</b>	<b>Fax #</b>	<b>(860) 583-3696</b>

**EPA/Federal ID #:** CTD000604488

**State ID# (If applicable):** N/A

Cameron McElroy, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Cameron McElroy  
Richard Brpohy

**Type of Facility:**

Waste Treatment, Storage, and Disposal Facility

**Wastes Handled:**

Liquids, Solids, and Sludges  
Almost all RCRA Waste Codes are accepted.  
Waste can be in drums, roll offs, or tanker trucks

**Waste Storage / Fixed Tank Capacity:**

103,000 Gallons

Processing Capacity:  
50,000 gallons/day wastewater treatment  
300 cubic yards/day solidification/stabilization

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**MID-ATLANTIC REGION FACILITIES**

<b>BALTIMORE, MD FACILITY</b>	<b>Main Phone #</b>	<b>(410) 244-8200</b>
<b>1910 Russell Street</b>		
<b>Baltimore, MD 21230</b>	<b>Fax #</b>	<b>(410) 685-3061</b>

**EPA/Federal ID #:** MDD980555189  
**State ID# (If applicable):** N/A

Ed Romeo, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Ed Romeo  
Tim McCarthy

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Bucket/Drums via Truck and Rail  
Aqueous Organic  
Inorganic waste

**Waste Storage / Fixed Tank Capacity:**

Fixed - 1,411,771 gallons  
Containerized - 1144 Drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LAUREL, MD FACILITY</b> 3527 Whiskey Bottom Road Laurel, MD 20724	<table style="width: 100%; border: none;"> <tr> <td style="padding: 0 10px;"><b>Main Phone #</b></td> <td style="padding: 0 10px;"><b>(301) 939-6000</b></td> </tr> <tr> <td style="padding: 0 10px;"><b>Fax #</b></td> <td style="padding: 0 10px;"><b>(301) 939-6066</b></td> </tr> </table>	<b>Main Phone #</b>	<b>(301) 939-6000</b>	<b>Fax #</b>	<b>(301) 939-6066</b>
<b>Main Phone #</b>	<b>(301) 939-6000</b>				
<b>Fax #</b>	<b>(301) 939-6066</b>				

**EPA/Federal ID #:** MDD 980 554 653

**State ID# (If applicable):** N/A

Brinton Hoover, Plant Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Brinton Hoover

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
------------------------

Liquids  
 Solids  
 Sludges  
 Almost all RCRA waste codes are accepted

<b>Waste Storage / Fixed Tank Capacity:</b>
---

Drums, Roll-off and portable tank capabilities

Equipment List	Location	Capacity / Size / Model	# of Units
<b>Item Description</b>			

<b>REIDSVILLE, NC FACILITY</b>	<b>Main Phone #</b>	<b>(336) 342-6106</b>
<b>208 Watlington Industrial Drive</b>		
<b>Reidsville, NC 27320</b>	<b>Fax #</b>	<b>(336) 361-6130</b>

**EPA/Federal ID #:** NCD 000 648 451

**State ID# (If applicable):** N/A

Keith Anderson, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Keith Anderson  
Jamie Cox

Mark Berkhead  
Doug Greer

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquids, Solids, and Sludges

Liquids Bulking (drums to tankers)

Solids Consolidation (drums to rolloffs)

Labpack processing facility

Almost all RCRA Waste Codes are accepted

TSCA waste accepted.

Waste can be in drums, roll offs, tanker trucks

Non-Haz Shredding

Flammable Liquids to Rail Tanks

**Waste Storage / Fixed Tank Capacity:**

65,000 sq. ft. warehouse

34 dock bays permitted as RCRA storage units. Waste can be stored in rolloffs, tankers, and vans.

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

## SOUTHEAST REGION FACILITIES

<b>BARTOW, FL FACILITY</b>	<b>Main Phone #</b>	<b>(863) 533-6111</b>
<b>170 Bartow Municipal Airport</b>		
<b>Bartow, FL 33830</b>	<b>Fax #</b>	<b>(863) 519-6363</b>

**EPA/Federal ID #:** FLD 980 729 610  
**State ID# (If applicable):** N/A

John Bosek, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

John Bosek  
James McDuffie

**Type of Facility:**

Treatment, Storage, Transfer, Fuels Blending, and Recycling Facility

**Wastes Handled:**

Liquids, Solids, Sludges, and Lab Pack Materials.  
 Almost all RCRA Waste Codes are acceptable by permit  
 Waste may be received in drums, totes, flex bins, roll-off boxes or tanker trucks

**Waste Storage / Fixed Tank Capacity:**

(12) Hazardous Waste Storage Tanks – 72,600 gallons total capacity (48,600 gallons usable storage)  
 (2) Non-Haz Wastewater Tanks – 11,600  
 (1) Storage Tank – 548 gallons (Off-road diesel only)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>CHATTANOOGA, TN FACILITY</b>	<b>Main Phone #</b>	<b>(423) 821-6926</b>
<b>3300 Cummings Road</b>		
<b>Chattanooga, TN 37419</b>	<b>Fax #</b>	<b>(423) 825-4140</b>

**EPA/Federal ID #:** TND 982 141392

**State ID# (If applicable):** N/A

Paul Rasmussen, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Paul Rasmussen  
David Smith

Mark Lee

**Type of Facility:**

Treatment Facility

**Wastes Handled:**

Non-Hazardous Liquids, Solids and Sludges. Bulk and Drums

Note: All new waste streams must be submitted to the state of TN 24 hrs prior to acceptance

**Waste Storage / Fixed Tank Capacity:**

(2) 300,000 gal WWT Tanks  
(4) 10,000 gal Oil/Water tanks  
(1) 20,000 gal Oil/Water tank  
(1) 5,000 gal Oil/Water tank  
(1) 15,000 gal WWT Tanks  
(1) 5,000 gal WWT Tank  
(1) 20,000 gal Solidification cell

(1) 15,000 gal Effluent Holding Tank  
(1) 15,000 gal Treatment Chemical Tank

Solids/Liquid processing/solidification Capacity- 100+ tons per day

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>Item Description</b>			
Note: Transportation equipment is managed by DG and DO Trans. Groups			

<b>GREENBRIAR, TN FACILITY</b>	<b>Main Phone #</b>	<b>(615) 643-3170</b>
<b>2815 Old Greenbrier Pike</b>		
<b>Greenbrier, TN 37073</b>	<b>Fax #</b>	<b>(615) 643-6370</b>

**EPA/Federal ID #:** TND000645770

**State ID# (If applicable):** N/A

Bruce Morgan, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Bruce Morgan  
Patrick Storey

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility  
Currently Operated as a Truck to Terminal (TTT) Facility

**Wastes Handled:**

Permitted for all RCRA waste codes except K142-K145 and K147-K151  
Mercury, Fuel, Lean Water, etc.  
consolidation  
Liquids, Solids, and Sludges  
Waste can be in drums, roll offs, tanker trucks

**Waste Storage / Fixed Tank Capacity:**

RCRA Storage Capacity: 200,000 gallons (3,636 55-gallon drum equivalents)  
PCB Storage Capacity: 13,750 gallons (250 55-gallon drum equivalents)  
Unlimited Non Hazardous Capacity

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

## MID-WEST REGION FACILITIES

<b>ASHTABULA, OH FACILITY</b>	<b>Main Phone #</b>	<b>(440) 992-8665</b>
<b>1302 West 38th Street</b>		
<b>Ashtabula, OH 44004</b>	<b>Fax #</b>	<b>(440) 992-2749</b>

**EPA/Federal ID #:** OHD 981 093 420  
**State ID# (If applicable):** N/A

Kevin Gozzard, Plant Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Kevin Gozzard

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

TSCA ONLY  
 PCB Materials  
 PCB Electrical Equipment  
 Decontamination  
 PCB Cable Decontamination  
 Gas Meter Decontamination  
 All metals recycled

**Waste Storage / Fixed Tank Capacity:**

17,000 gallon PCB Storage tank

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>CLEVELAND FACILITY</b> 2900 Rockefeller Avenue Cleveland, OH 44115	<b>Main Phone #</b> (216) 429-2402
	<b>Fax #</b> (216) 883-1918

**EPA/Federal ID #:** OHD000724153

**State ID# (If applicable):** N/A

Michael Petkovich, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Albert Benavides  
Dominic Okon

**Type of Facility:**

Waste Storage, Treatment, and Recycling Facility

**Wastes Handled:**

Aqueous & Sludge Organic and Inorganic Waste - Characteristic Hazardous & Non-Hazardous  
Listed Wastewaters (by contact only)  
Non-Hazardous Solids

**Waste Storage / Fixed Tank Capacity:**

**Fixed Product Storage Capacity:**

Tank A	8000 gallons	50% Sodium Hydroxide
Tank B	8000 gallons	Spent Caustic for Reuse
Peroxide Tank	4100 gallons	50% Hydrogen Peroxide
Tank 8	12000 gallons	Aluminum Sulfate Solution
Tank 9	12000 gallons	Virgin & Spent Ferric Chloride for Reuse

**Fixed Process Capacity:**

Tank 1	200000 gallons	Final Treated Effluent for Discharge
Tank 2	200000 gallons	Untreated or Pretreated Process Water
Tank 3	200000 gallons	Untreated or Pretreated Process Water
Tank 5	40000 gallons	Final Treated Water for Discharge
Tank 6	40000 gallons	Untreated or Pretreated Sludge
Tank 7	40000 gallons	Untreated or Pretreated Sludge
Tank C	8000 gallons	Waste Oil & Water Process
Reactor 1 8000 gallons	Pretreatment Vessel	
Reactor 2 8000 gallons	Pretreatment Vessel	
AR12	8000 gallons	Sludge Conditioning Tank
AR34	8000 gallons	Sludge Conditioning Tank

**90-day storage area:**

Room for 1-20 yard rolloff box or up to 60 55-gallon drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>



<b>CHICAGO, IL FACILITY</b>	<b>Main Phone #</b>	<b>(773) 646-6202</b>
<b>11800 South Stony Island Avenue</b>		
<b>Chicago, IL 60617</b>	<b>Fax #</b>	<b>(773) 646-6381</b>

**EPA/Federal ID #:** ILD000608471

**State ID# (If applicable):** N/A

John E. Lancaster, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

John E. Lancaster

**Type of Facility:**

Transfer, Treatment, Recovery, and Storage Facility

**Wastes Handled:**

Bulk/Drums via Trucks  
 Aqueous Organic and Inorganic waste  
 Household Chemicals  
 Laboratory Chemicals  
 Solvents  
 Oils  
 Sludge for Dewatering

NOTE: Illinois generator # required for waste to be accepted.

**Waste Storage / Fixed Tank Capacity:**

Fixed Bulk – 1,343,600 gallons  
 Containerized – 2,969 Drums  
 Transporters – 40 bulk/roll-off/drum vans

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PECATONICA, IL FACILITY</b>	<b>Main Phone #</b>	<b>(815) 239-2377</b>
<b>6125 N. Pecatonica Road</b>		
<b>Pecatonica, IL 61063</b>	<b>Fax #</b>	<b>(815) 239-2960</b>

**EPA/Federal ID #:** ILD 980 502 744

**State ID# (If applicable):** N/A

Scott Amico, General Manager

Jeff Gibbons, Operations Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jeff Gibbons

Scott Amico

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste codes except:

Explosives, Radioactive, bio-infectious waste

**Waste Storage / Fixed Tank Capacity:**

Warehouse Only

10 Truck Bays

1 Roll-off bulking bay

5,000 x 55 Gal. Drums

98 x 55 Gal. Drums of PCB Storage

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WICHITA, KS FACILITY</b>	<b>Main Phone #</b>	<b>(316) 269-7400</b>
<b>2549 N. New York Street</b>		
<b>Wichita, KS 67219</b>	<b>Fax #</b>	<b>(316) 269-7400</b>

**EPA/Federal ID #:** KSD 007 246 846

**State ID# (If applicable):** N/A

Brian Key, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Key

**Type of Facility:**

Treatment, Storage, Transfer and Recycling Facility

**Wastes Handled:**

Liquids, Solids and Sludges acceptable in rollofs, tankers and drums.

Rail access is available in one portion of the facility and is adjacent to several buildings.

Almost all waste codes are acceptable.

Processing capabilities are available for haz and non-haz fuels, wastewater and incineration liquids.

6,500 drum storage capacity in warehouses.

**Waste Storage / Fixed Tank Capacity:**

(1) 7,100 gallon tank  
(5) 7,400 gallon tanks  
(2) 20,900 gallon tanks  
(1) 1,200 gallon dispersion tank  
Drum washing unit  
Drum pumping unit

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>KIMBALL, NE FACILITY</b>	<b>Main Phone #</b>	<b>(308) 235-4012</b>
<b>2247 South Highway 71</b>		
<b>Kimball, NE 69145</b>	<b>Fax #</b>	<b>(308) 235-4307</b>

**EPA/Federal ID #:** NED981723513  
**State ID# (If applicable):** N/A

Jared Hunsaker, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jared Hunsaker  
Brad Reader

**Type of Facility:**

Fluidized-bed Incineration Facility

**Wastes Handled:**

Liquids, Solids, and Sludges  
Almost all RCRA Waste Codes are accepted.  
Waste can be in drums, roll offs, tanker trucks or rail containers (Intermodals, railcars)

**Waste Storage / Fixed Tank Capacity:**

(8) Waste Storage Tanks	20,000 gallons
(4) Waste Feed Tanks	20,000 gallons
(1) Decant Tank	6,000 gallons
(1) Storage Tank	20,000 gallons (#2 Fuel Oil Only)
(1) Wet Solids Receiving Hopper	30 cubic yards
(4) Wet Solids Feed Hopper	50 cubic yards
(2) Dry Solids Feed hoppers	150 cubic yards
(2) Dry Solids Receive Hoppers	75 cubic yards

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

## GULF COAST AREA FACILITIES

<b>COLFAX, LA FACILITY</b>	<b>Main Phone #</b>	<b>(318) 627-3443</b>
<b>3763 Highway 471</b>		
<b>Colfax, LA</b>	<b>Fax #</b>	<b>(318) 627-3448</b>

**EPA/Federal ID #:** LAD 981 055 791  
**State ID# (If applicable):** N/A

Kenneth Michels, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Kenneth michels  
 David Lasyone

**Type of Facility:**

Treatment Facility

**Wastes Handled:**

Explosives, only by manifest for treatment at Colfax.  
 (No other waste can be shipped to or accepted at Colfax)

**Waste Storage / Fixed Tank Capacity:**

10 explosive magazines. (with a maximum of 5,000 pounds N.E.W. each.)

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units

<b>BATON ROUGE, LA FACILITY</b> 13351 Scenic Highway Baton Rouge, LA 70807	<b>Main Phone #</b> (225) 778-1234 <b>Fax #</b> (225) 778-3511
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**EPA/Federal ID #:** LAD 010 395 127

**State ID# (If applicable):** N/A

Mark Sparacino, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mark Sparacino

**Type of Facility:**

Treatment, Stabilization, Storage, and Transfer Facility

**Wastes Handled:**

Aqueous Organic / Inorganic Waste (Hazardous and NON-Haz streams)  
Contaminated Soil  
Sludge for mix pit  
NO PCBs, Explosives

**Waste Storage / Fixed Tank Capacity:**

600,000gal Fixed tank for large wastewater campaign  
(2) 20,000gal Reactors for Batch treatment of heavy metals and/or corrosive streams  
Onsite Railcar spur for offloading/loading wastestreams  
South mix pit building (S&E Barn) for <500ppm VOC streams (sludge/solids)  
30-day Dollydown pad. Room for 40 rolloffs or 20 tankers  
TSDf warehouse with 4 truck bays and capabilities of storing 6000 drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PLAQUEMINE, LA FACILITY</b>	<b>Main Phone #</b>	<b>(225) 659-2434</b>
<b>32655 Gracie Lane</b>		
<b>Plaquemine, LA 70764</b>	<b>Fax #</b>	<b>(225) 659-7870</b>

**EPA/Federal ID #:** LAD 000 778 514

**State ID# (If applicable):** N/A

Lisa Jo Ourso, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Lisa Jo Ourso

**Type of Facility:**

Injection Well Facility

**Wastes Handled:**

Waste Waters

Hazardous – Almost all RCRA waste codes are accepted.

Non Hazardous

Trucks

Capable of offloading barges

**Waste Storage / Fixed Tank Capacity:**

(3) 21,000 Gal Tanks

(1) 10,500 Gal Tank

(1) 14,700 Gal Tank

(2) 13,860 Gal Tanks

(2) 19,530 Gal Tanks

150 gallons per minute maximum injection rate. (3.5 barrels per minute)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WHITE CASTLE, LA FACILITY</b>	<b>Main Phone #</b>	<b>(225) 545-7800</b>
<b>52735 Clark Road</b>		
<b>White Castle, LA 70788</b>	<b>Fax #</b>	<b>(225) 545-7854</b>

**EPA/Federal ID #:** LAD982549636

**State ID# (If applicable):** N/A

Jim Hathcock, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jim Hathcock

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Non-Hazardous liquids, solids, and sludges  
Waste can be in drums, roll-offs, or tanker trucks  
Waste must be biodegradable

**Waste Storage / Fixed Tank Capacity:**

Tank Storage Capacity: 500,000 gallons  
Container Storage Capacity: 17,600 gallons  
Bulk Storage Capacity: 600 tons  
Land Treatment: 320 acres

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LA PORTE, TX FACILITY</b> 500 Battleground Road La Porte, TX 77571	<b>Main Phone #</b> (281) 476-0645  <b>Fax #</b> (281) 884-7173
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**EPA/Federal ID #:** TXD 982 290 140  
**State ID# (If applicable):** N/A

Heather Bolla, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Heather Bolla  
 Gary Burns

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste Codes Except:  
 Explosive, Radioactive and untreated medical wastes

**Waste Storage / Fixed Tank Capacity:**

19,000 55 Gallon Drums

Equipment List	Location	Capacity / Size / Model	# of Units
Item Description			

<b>DEER PARK, TX FACILITY</b>	<b>Main Phone #</b>	<b>(281) 930-2300</b>
<b>2027 Battleground Road</b>		
<b>La Porte, TX 77571</b>	<b>Fax #</b>	<b>(281) 930-2427</b>

**EPA/Federal ID #:** TXD 055 141 378

**State ID# (If applicable):** N/A

Dennis Wainwright, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dennis Wainwright

**Type of Facility:**

Rotary Kiln Incineration Facility

**Wastes Handled:**

Liquids, Solids, Sludges, Gases, Debris

With the exception of dioxin codes, almost all RCRA codes are accepted, as well as medical waste, reactive wastes, controlled substances (as witness burns) and pharmaceutical wastes.

Waste can be in drums of any size, gas cylinders, roll-off bins, tanker trucks or rail containers (inter-modal and railcars).

**Waste Storage / Fixed Tank Capacity:**

Incineration: Train I, 180 MM BTU/lb; Train II, 213.5 MM BTU/lb  
 Tank Storage Capacity: 830,000 gallons  
 Drums Storage Capacity: 1,490,000 gallons (25,000 Drums)  
 Tanker Storage Capacity: 132,000 gallons (24 tankers)  
 Bin Storage Capacity: 7,650 cubic yards (250 bins)

PCBs: Incineration Authorized on Train I; 575,000 gallons tank capacity; 300,000 gallons drum capacity

All Non-Dioxin Waste Codes are Permitted for Incineration

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**WEST REGION FACILITIES**

<b>SAN JOSE, CA FACILITY</b>	<b>Main Phone #</b>	<b>(408) 451-5000</b>
<b>1040 Commercial Street - Suite 109</b>		
<b>San Jose, CA 95112</b>	<b>Fax #</b>	<b>(408) 453-5045</b>

**EPA/Federal ID #:** CAD059494310  
**State ID# (If applicable):** N/A

Chris Murphy, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Chris Murphy

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
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Waste acid base	RCRA & NON-RCRA
Waste solvent, fuel	Most D coded waste
Lean water	Most F coded waste
Waste solid	Most U coded waste
Lab pack	

<b>Waste Storage / Fixed Tank Capacity:</b>
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**Storage tank capacity:**  
Inorganic: 63,500 gallons  
Organic: 65,600 gallons

**Fixed Facility Tanks:**  
6 Organic waste storage tanks (65,600 gallons)  
8 Inorganic waste storage tanks (63,500 gallons)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LOS ANGELES, CA FACILITY</b>	<b>Main Phone #</b>	<b>(323) 277-2500</b>
<b>5756 Alba Street</b>		
<b>Los Angeles, CA 90058</b>	<b>Fax #</b>	<b>(323) 277-2523</b>

**EPA/Federal ID #:** CAD 050 806 850

**State ID# (If applicable):** N/A

Brian Olson, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Olson

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste codes except:  
 Forbidden and Class A explosives  
 Radioactive Materials/Mixed Waste.  
 Infectious Materials  
 Compressed materials except aerosol cans  
 Municipal Garbage/Refuse  
 Dioxin Wastes

**Waste Storage / Fixed Tank Capacity:**

Drum Storage Capacity: 2369 X 55 Gallon Equivalents in 4 storage units  
 Tank Storage Capacity : 170,000 Gallons

Bulk liquid storage is currently limited to oil and oil/water mixtures  
 No bulk VOC laden and or flammable waste can be stored in tanks

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PHOENIX, AZ FACILITY</b> 1340 West Lincoln Street Phoenix, AZ 85007	<b>Main Phone #</b> (602) 462-2300
	<b>Fax #</b> (602) 462-2391

**EPA/Federal ID #:** AZD 049 318 009

**State ID# (If applicable):** N/A

Brian Parker, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Parker

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Oily waste  
Solids (haz & non haz)  
Sludge (haz & non haz)  
Liquid (haz & non haz)

**Waste Storage / Fixed Tank Capacity:**

178,250 Gallons - TOTAL  
1352 Drum capacity (75,000 gallons)  
50,000 gallons RCRA  
53,250 gallons non-RCRA

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>ARAGONITE FACILITY</b>	<b>Main Phone #</b>	<b>(801) 323-8100</b>
<b>1160 North Aptus Road</b>		
<b>Aragonite, UT 84029</b>	<b>Fax #</b>	<b>(810) 323-8877</b>

**EPA/Federal ID #:** UTD 981 552 177

**State ID# (If applicable):** N/A

Sukhwant Raju, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Shawn Raju

**Type of Facility:**

Treatment, Storage, Transfer and Recycling Facility

**Wastes Handled:**

Liquids  
Sludge  
Solids  
Compressed Gasses  
Forms of PCB Materials

**Waste Storage / Fixed Tank Capacity:**

The facility is permitted to store bulk solids, bulk liquids, bulk sludge and drummed material.

16 - 30,000-gallon (each) tanks for bulk liquids.

2 - sludge tanks for a total storage capacity of approximately 37,000 gallons of sludge.

3 - bulk solids tanks for the storage of contaminated solids

3 - drum storage and processing buildings designed to store a maximum of 10,208 55-gallon drum equivalents.

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>STERLING, CO FACILITY</b> 21207 County Road 32.2 Sterling, CO 80751	<b>Main Phone #</b>	<b>(970) 521-0551</b>
	<b>Fax #</b>	<b>(970) 521-0552</b>

**EPA/Federal ID #:** COD983778366

**State ID# (If applicable):** N/A

Dave Rutledge, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dave Rutledge

**Type of Facility:**

10-Day Transfer Facility  
 Receive inter-company, liquid waste in railcars and trans-load the liquid into tanker trailers for transport for incineration.

**Wastes Handled:**

Oily Waste Mixtures

**Waste Storage / Fixed Tank Capacity:**

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Tanker Trailer	Sterling	7500 Gallon	3
Vacuum Box	Sterling	5000 Gallon	10

## CANADIAN FACILITIES

<b>DEBERT, NOVA SCOTIA FACILITY</b>	<b>Main Phone #</b>	<b>(902) 662-3336</b>
<b>640 McElmon Road</b>	<b>Toll Free #</b>	<b>(800) 565-7474</b>
<b>Debert, NS B0M 1G0</b>	<b>Fax #</b>	<b>(902) 662-2211</b>

**EPA/Federal ID #:** 2002-025886-A02  
**State ID# (If applicable):** N/A

Jeff Johnson, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Greg Maynard  
 Jeff Johnson

Derrick Gallant

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
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Liquids  
 Semi-Liquid  
 Solid  
 Drum & Bulk Loads

Facility has used oil collectors permit

<b>Waste Storage / Fixed Tank Capacity:</b>
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4 – 32,000 L waste tanks inside facility  
 Drum storage (approx. 1000)  
 Roll-off storage

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Straight Truck w/ Liftgate	Debert		2
Vacuum Truck	Debert	3000 Imperial Gallon	2
Vacuum Truck	Debert	5500 Imperial Gallon	1
Vacuum Truck	Debert	2000 Imperial Gallong	1
Vacuum Truck	Debert	26' Straight	2
Van Trailer w/ Liftgate	Debert	48'	2
Emergency Response Straight Truck	Debert		1
Mobile Wash Unit	Debert	5000 PSI	1
Pickup Truck	Debert		1

<b>MERCIER, QUEBEC FACILITY</b> 1294 boulev. Ste-Marguerite Ville Mercier, PQ J6R 2L1	<b>Main Phone #</b> (450) 691-9610
	<b>Fax #</b> (450) 691-9694

**EPA/Federal ID #:** 1145021615  
(Provincial)

**State ID# (If applicable):** N/A

Michel Benoit, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Michel Benoit

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

70,900 Metric Tonnes / Year, Fixed Liquid Injection Incinerator

**Wastes Handled:**

Liquids and Sludges  
Tanker Trucks  
Must contain organic waste

**Waste Storage / Fixed Tank Capacity:**

(6) Waste Feed Tanks 136,000 liters each  
(2) Decant Tank 500,000 liters each  
(1) Sludge Storage Tank 135,000 liters  
(1) #2 Fuel Oil Tank 9,900 liters  
(1) #6 Bunker Oil Tank 68,180 liters  
(1) Caustic Tank 31,300 liters  
(1) Process Water Tank 45,400 liters

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>ST. CATHERINE, QUEBEC FACILITY</b>	<b>Main Phone #</b>	<b>(450) 632-6640</b>
<b>6785 Route 132</b>	<b>Toll Free #</b>	<b>(800) 880-1496</b>
<b>Ville Ste-Catherine, PQ JOL 1EO</b>	<b>Fax #</b>	<b>(450) 632-1055</b>

**EPA/Federal ID #:** N/A  
**State ID# (If applicable):** 1145021615 (Provincial)

Luc McSween, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Luc McSween

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Any liquid, semi-liquid and solid hazardous waste streams as specified in Schedules I and II of the Hazardous Waste Regulation (Q-2, r.12.1) except for Explosive, radioactive or pathological wastes, and PCB wastes.

**Waste Storage / Fixed Tank Capacity:**

4 tanks with a capacity of 72,650 litres each, d ked with a concrete wall  
1 x 1,135,000 litres capacity tank inside an empty 2,660,000 litres capacity tank;  
1,425,600 litres of liquid wastes

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Transporter Tanker	St. Catherine		19
Tractor	St. Catherine		14
Straight Vac. Truck	St. Catherine		4
Roll-Off Frame	St. Catherine		3
Roll-Off Container	St. Catherine		150

<b>THURSO, QUEBEC FACILITY</b>	<b>Main Phone #</b>	<b>(819) 985-0110</b>
<b>Rang 5 East 400 Galipeau St.</b>	<b>Toll Free #</b>	<b>(800) 667-8793</b>
<b>Thurso, PQ JOX 3B0</b>	<b>Fax #</b>	<b>(819) 985-0045</b>

**EPA/Federal ID #:** N/A  
**State ID# (If applicable):** 1145021615  
(Provincial)

Real Ducharme, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Real Ducharme

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquid, sludge, solid organic and inorganic wastes in drums  
Bulk solids in lugger and roll-off

**Waste Storage / Fixed Tank Capacity:**

7245 drums  
800 metric tons of solids in bulk  
1 blending tank 1000 gallons  
3 vacuum tanks 2700 gallons each  
2 storage tanks 6000 gallons each  
1 storage tank 7000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>GUELPH, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(519) 824-2025</b>
<b>520 Southgate Drive</b>	<b>24 Hour #</b>	<b>(800) 668-3787</b>
<b>Guelph, ON N1G 4P5</b>	<b>Fax #</b>	<b>(519) 824-2322</b>

**EPA/Federal ID #:** A170115

**State ID# (If applicable):** N/A

Rod Turnbull, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rod Turnbull  
Trevor Franklin

Tim Franklin

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Non- hazardous waste and Leachate toxic waste liquids. Oil and oil emulsions.  
Oily water, sludges, oil, contaminated ground water, liquid process streams including phosphate and water based paints.  
Bulk loads only. Not permitted for drums or tote quantities.

**Waste Storage / Fixed Tank Capacity:**

Permitted 150,000 litres per day maximum (40,000 US gallons)  
4 receiving tanks @ 5,000 gallons each  
2 sludge thickening tanks @ 5,000 gallons each  
2 coagulating tanks @ 5,000 gallons each  
2 liquid holding tanks @ 10,000 gallons each  
2 bio-oxidation tanks @ 10,000 gallons  
1 oil recovery tank @ 5,000 gallons  
2 treated water tanks @ 5,000 gallons and 10,000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Vacuum Truck	Guelph		1
Skidsteer Loader	Guelph		1
Absorbents	Guelph		Assorted

<b>LONDON, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(519) 451-6630</b>
<b>2258 River Road</b>		
<b>London, ON N5W 6C2</b>	<b>Fax #</b>	<b>(519) 451-1472</b>

**EPA/Federal ID #:** A041603

**State ID# (If applicable):** N/A

Rob Girard, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rob Girard

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All wastes except: PCB, Explosives, Bio-hazards, Asbestos and Radioactive

**Waste Storage / Fixed Tank Capacity:**

100,000 gallons of non-flammable, non-corrosive liquid waste

2419 M.Tons of waste storage

3900 Drum storage

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>MISSISSAUGA, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 822-3781</b>
<b>551 Avonhead Rd</b>		
<b>Mississauga, ON L5J 4B1</b>	<b>Fax #</b>	<b>(905) 822-1121</b>

**EPA/Federal ID #:** A220106 (Receiver), ON0039015 (Generator)

**State ID# (If applicable):** N/A

Jaqueline Ho, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jaqueline Ho  
Greg McRae

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility  
Primarily a fuel blending facility and a landfill bulking and mixing facility  
Full transfer station capabilities

**Wastes Handled:**

All Haz & Non-Haz except Explosives, radioactives, pathological material, and anything with greater than 50 ppm PCB's

Approximately 125,000 drums per year

**Waste Storage / Fixed Tank Capacity:**

7,500 drums  
470 cubic meters of haz and non haz solids  
1,179,500 liters of hazardous liquids  
75,000 liters of TEL wastes

Storage tanks are as follows :  
3 tanks @ 227,000 liters each  
5 tanks @ 90,800 liters each  
1 tank @ 44,500 liters

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>THOROLD, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 227-7872</b>
<b>1829 Allanport Road</b>	<b>Toll Free #</b>	<b>(800) 263-2436</b>
<b>Thorold, ON L2V 3Y9</b>	<b>Fax #</b>	<b>(985) 680-4255</b>

**EPA/Federal ID #:** A121026

**State ID# (If applicable):** N/A

Mike Branch, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mike Branch  
Randy Zdelar

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquids, Solids and Sludges  
Full range of materials excluding explosives, radioactive, pcb, and pathological wastes  
Waste is typically in drum size or smaller containers.

**Waste Storage / Fixed Tank Capacity:**

4192 drums of material  
(10) Aqueous Storage Tanks (10,000 Gal Each)  
(2) Aqueous Storage Tanks (5,500 Gal Each)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Service Van / Box Truck	Thorold	48 Drum Capacity	2
Cube Van	Thorold	24 Drum Capacity	2
Box Trailer w/ Tractor	Thorold	92 Drum Capacity	1

<b>BURLINGTON, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 332-1111</b>
<b>1790 Ironstone Drive</b>		
<b>Burlington, ON L7L 5V3</b>	<b>Fax #</b>	<b>(905) 332-5404</b>

**EPA/Federal ID #:** A-210108

**State ID# (If applicable):** N/A

Rod Turnbull, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rod Turnbull  
Tim Lewis

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquid industrial, non hazardous waste and Leachate toxic waste liquids.

Oily water, oil, contaminated ground water, liquid process streams including phosphate and water based paints.

Permitted for drums or tote quantities: (1000 drums)

**Waste Storage / Fixed Tank Capacity:**

15 Receiving and storage tanks, one clarifier

Total Storage in tank farm, 370,000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WINNIPEG, MANITOBA FACILITY</b>	<b>Main Phone #</b>	<b>(204) 956-9770</b>
<b>1147 Henry Avenue</b>		
<b>Winnipeg, MB R3E 1V6</b>	<b>Fax #</b>	<b>(204) 783-0539</b>

**EPA/Federal ID #:** MBR07393 (Receiver), MBC07392 (Carrier), MBG07391 (Generator)

**State ID# (If applicable):** N/A

Dwayne Blatt, Plant Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Ann Hinton  
Dan Bosowec

Dwayne Blatt

**Type of Facility:**

Storage, Transfer Facility

**Wastes Handled:**

All dangerous goods Classes except Class 1, 7, 6.2 and limited 5.2

Waste can be in drums, pails, IBC bags.

Transfer license for bulk into tankers

Limited space for bulking into roll-offs

**Waste Storage / Fixed Tank Capacity:**

300 x 205 liter drums equivalents

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
5 Ton Truck	Winnipeg	40 Drum Capacity	2
Tractor & Van w/ Tailgate	Winnipeg	80 Drum Capacity	1

<b>RYLEY, ALBERTA FACILITY</b>	<b>Main Phone #:</b>	<b>(780) 663-3828</b>
<b>2km No. of Hwy. 14 on 2ndary Rd.854</b>		
<b>Ryley, AB t0B 4A0</b>	<b>Fax #:</b>	<b>(780) 663-3539</b>

**EPA/Federal ID #:** 10348-01-00 (Generator - ABG5498), ABR1089

**State ID# (If applicable):** N/A

Don White, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Wayne Ma  
Don White

Stan Yuha

**Type of Facility:**

Landfill, Storage, and Transfer Facility

**Wastes Handled:**

Hazardous waste for landfill

Non-Haz waste for landfill

All wastes except explosives, bio-medical, and radioactive

**Waste Storage Capacity:**

Bu king of drums into 3 on-site storage tanks

Fuel tank capacity 4000 USG

Lean tank capacity 4000 USG

Wastewater tank capacity 8000 USG

Permitted Storage Capacity 2500 Drums

**Fixed Tank Capacity:**

<b>Equipment List</b>			
Item Description	Location	Capacity / Size / Model	# of Units

<b>DELTA, BRITISH COLUMBIA FACILITY</b>	<b>Main Phone #</b>	<b>(604) 940-0894</b>
<b>7842 Progress Way</b>	<b>Toll Free #</b>	<b>(800) 667-8333</b>
<b>Delta, BC V4G 1A4</b>	<b>Fax #</b>	<b>(604) 940-1423</b>

**EPA/Federal ID #:** PS-8388 / (LT0249 Transport)

**State ID# (If applicable):** N/A

Wayne Ma, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Larry Vinegar  
Wayne Ma

Otis Reckord

**Type of Facility:**

Transfer, Storage, Transportation, and Processing Facility

**Wastes Handled:**

All types of wastes except Class 1 (explosives), Class 6.2 (bio-haz) and Class 7 (radioactives)

Permitted Storage Tanks Capacity: 5.2 million litres of Special Waste

Permitted Bulk Solids Storage Capacity: 80,000 kg of Special Waste

Permitted Drum Storage Capacity: 1850 drums

**Waste Storage / Fixed Tank Capacity:**

(3) 894,000 litre tank

(1) 416,000 litre tank

(2) 59,000 litre tank

(1) 43,000 litre tank

(1) 44,000 litre tank

(2) 3,500 litre processing tank

(1) 69,000 litre tank

(1) 68,000 litre tank

(1) 67,000 litre tank

(8) 51,000 litre tank

(3) 160,000 litre tank

(4) 5,300 litre tank

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**SUPPORT CENTERS & CONTRACTORS**

<b>REMEDIATION &amp; ENVIRONMENTAL CONSTRUCTION</b>	<b>24 Hr. #</b>	<b>(781) 792-5000</b>
<b>42 Longwater Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Norwell, MA 02061</b>	<b>Fax #</b>	<b>(781) 792-5938</b>

Norm Nelheubel, Vice President R&amp;EC

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Norm Nelhuebel  
Rick Kiernan  
Dana Simpson  
Tony DelTufo  
Rich Analoro  
John Irwin

Paul Pukk  
Dan Douthwright  
Paul Dovell

**40-Hour OSHA Trained Personnel:**

LSP	4	Project Supervisor	4
Professional Engineer	14	Foremen / Pipefitter	4
Project Manager	4	Licensed Wastewater Operator	5
Field Inspector	3	Field Technician	5
Geologist	4	Heavy Equipment Operator	4
Project Scientist	4	Electrician	1
Project Engineer	4		

**Services Available:**

Site Investigation  
Remedial System Design & Field Installation  
Site Construction (Civil)  
Code Welding & Fabrication Services

Mobile Treatment Services  
Site / System Operations & Maintenance Services  
Well Maintenance & Video Inspection Services

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Specialty Equipment</b>			
Pickup Truck	Weymouth		13
Stake Body / Rack Truck	Weymouth		2
Bobcat w/ Trailer	Weymouth		1
Link Belt Excavator	Weymouth		1
Mitsui Mixer	Weymouth	Hydraulic Excavator Attachment	1
Pressure washer / hotsy	Weymouth		2
Double Diaphragm Pump	Weymouth	2"	1
Double Diaphragm Pump	Weymouth	2"	2
Submersible Pump	Weymouth	4"	4
Trash Pump	Weymouth	2"	2
Frac Tank	Weymouth	20,000 Gal	1
Air Compressor	Weymouth	175 CFM	1
300GPM – LPC - 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
200GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
100GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
85GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
70GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
50GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
DBI Extraction Device	Weymouth		3
Tripod	Weymouth		2
SCBA	Weymouth		2
SAR W/ Escape Pack	Weymouth		2
MSA Passport PID	Weymouth		1
MSA 4-Gas Meter	Weymouth		3
MultiRae Plus Meter (4Gas w/ PID)	Weymouth		1
<b>(10) Communications</b>			
2-Way Radio	Weymouth / Norwell	Nextel	20
<b>(11) Miscellaneous</b>			

<b>R&amp;EC GENERAL WELDING</b>	<b>24 Hr. #</b>	<b>(781) 331-5600</b>
<b>609 Pleasant St., P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 335-2675</b>

Norm Nelhuebel, Vice President R&amp;EC

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Norm Nelhuebel  
Dan Douthwright  
Dave Ottolini  
Alan Mount

Paul Dovell  
Rich Analoro

**40-Hour OSHA Trained Personnel:**

Project Manager	1
Foreman / Welder	1
Welders	8

**Fabrication:**

Can provide 24 hour welding and fabrication services at job site with 40-Hour OSHA trained personnel.  
(Specify range of project size and any general details about uniqueness of the facility – i.e. special equipment or processes)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Specialty Equipment</b>			
Welding Truck	Weymouth		3
Portable Welding Machine	Weymouth		3
Plasma Cutter	Weymouth		1
Fork Truck	Weymouth		1
Pipe Threading Machine	Weymouth		2
12' Press Break	Weymouth		1
Metal Shear	Weymouth		1
Pipe Benders	Weymouth		2
Electric Tig Welding Machine	Weymouth		3
Electric Mig Welding Machine	Weymouth		3
Electric Subarc Welding Machine	Weymouth		1
Overhead Crane	Weymouth	5 Ton	2
Overhead Crane	Weymouth	1 Ton	1
Overhead Crane	Weymouth	1/2 Ton	1

<b>FLEET MAINTENANCE FACILITY</b>	<b>24 Hr. #</b>	<b>(781) 331-9954</b>
<b>607 Pleasant Street, P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 349-8789</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 337-2643</b>

Rick Smith, General Manager

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rick Smith

**40-Hour OSHA Trained Personnel:**

Mechanics

**Operations:**

Over-the-road Maintenance of all:  
 Transportation Equipment  
 Pumps  
 Marine Equipment  
 Earth Moving Equipment

<b>CENTRAL LOGISTICS</b>	<b>24 Hr. #</b>	<b>(781) 792-5000</b>
<b>607 Pleasant Street, P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 282-0058</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	

John J. Ross Jr., Director, Central Logistics

**Personnel Authorized to release equipment / materials / manpower, etc:**

Peter James	Heather McCarthy
Steve Barnes	Rudy Streng
John Kelliher	Bill Stanton
Bob Gale	

**Transportation Equipment:**

Transporters / Tank Trailers	61	Vacuum Trailers	40
Vacuum Trucks	48	Tractors	108
Roll-off Containers	421	Vacuum Boxes	10
Intermodal Containers	157		

**Note:**

This transportation equipment moves all over our operating area and is dispatched out of our Emergency Response service centers and regional offices. Some of this equipment has already been noted under the individual site pages.

**Regional Offices:**

**Eastern Northeast:**

1 Hill Ave. Braintree, MA  
Kevin Realini- Logistics Coordinator  
(781) 792-5000

**Western Northeast:**

761 Middle St. Bristol, CT  
Jim Gager - Logistics Coordinator

**Mid Atlantic:**

1910 Russell St.. Baltimore, MD  
Donald Dube- Logistics Coordinator  
(410) 685-4170

**Mid-West:**

11800 South Stony Island Chicago, IL  
Christine Falvey - Logistics Coordinator  
(773) 646-6202

**Plains:**

5 Miles South, Route 71, Kimball, NE  
Darla Klinkhammer - Logistics Coordinator  
(308) 235-8234

**Allegheny:**

2900 Rockefeller Ave. Cleveland, OH  
Tom Waseity - Logistics Coordinator  
(216) 429-2402

**Southern Northeast:**

3 Sutton Place, Edison, NJ  
Jeff Francis - Logistics Coordinator

**Ohio Valley:**

4879 Spring Grove Ave. Cincinnati., OH  
Tom Waseity - Logistics Coordinator  
(216) 429-2402

**Southeast:**

4567 South Berkeley Lake Rd., Norcross, GA  
Randy Przywara - Logistics Coordinator  
(770) 449-1550

**Texas:**

131 North Richey Road, Pasadena, TX  
Mark Hale - Logistics Coordinator  
(713) 473-9870

## SUBCONTRACTORS

### SUBCONTRACTED BARGES

The following is a list of those companies that we will subcontract U.S. Coast Guard certified barges for use as temporary storage facilities for spilled oil near shore and large port areas:

Company/24 Hr. #	Service Area	Contact	Equipment/Materials
<b>American Commercial Barge Line Co.</b> P.O. Box 610 Jeffersonville, IN 47130 (812) 288-0100	Great Lakes Rivers/Gulf	Kelly Roberts	200 barges 2,000,000 barrels
<b>Maritrans G. P. Inc.</b> 1 Logan Square Philadelphia, PA 19103-1480 (215) 864-1200 (800) 523-4511	East Coast	Arthur Volkle	30 Barges 2,870,000 barrel capacity
<b>Moran Towing &amp; Trans. Co.</b> 2 Greenwich Plaza, 3rd Floor Greenwich, CT 06830 (203) 625-7800 (203) 625-7828	East Coast & Gulf Coast	William Muller,	8 barges 402,430 barrel capacity

<b>SUBCONTRACTORS</b>
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The following is a list of those companies that we will subcontract additional support equipment and/or labor to assist with our operations:

<b>Company/24 Hr. #</b>	<b>Service Area</b>	<b>Contact</b>	<b>Equipment/Materials</b>
<b>Fishburn Services, Ltd.</b> 5012 State Route 229 - PO Box 278 Marengo, OH 43334 (419) 253-6031	Company Wide	Jack Fishburn	350 Frac Tanks @ 21,000 ea.
<b>North Star Marine</b> 8300 Landis Ave. Sea Isle City, NJ 08243 (609) 263-6666	Jersey Shore & Delaware Valley	Phil Risko	Work/Spill Response Boats
<b>NRC (National Response Corp)</b> 3500 Sunrise Highway, Suite 103  Great River NY (631) 224-9141 FAX (631) 224-9141	National	John Allen	OPA-90 "Worst Case" Spill Coverage Major Response Resources
<b>MSRC (Marine Spill Response Corp)</b> 375 Raritan Center Parkway  Edison, New Jersey 08837-3920 (908) 417-0500 FAX (908) 417-1314	National	Steve Dorrler	OPA-90 "Worst Case" Spill Coverage Major Response Resources
<b>Onsite Environmental Staffing</b> 3450 Corporate Way - Suite B Duluth, GA 30136 (800) 807-0454 (770) 623-1554	National	Steve Cox, V.P. Simon Robinson	500 40-Hr OSHA Trained Personnel
<b>Eason Diving &amp; Marine Contracting</b> 2668 Spruill Avenue North Charleston, SC 29405 (843) 747-0548	National	Tom Eason	Underwater Diving Oil Recovery
<b>SubSea International, Inc.</b> 701 Engineers Road Belle Chase, LA 70037 (504) 393-7744	National	Michael Start	Underwater Diving Oil Recovery
<b>Primary Resources</b> 2709 Water Ridge Parkway Suite 170 Charlotte, NC 28217 888-774-8367 714-529-6017 - Fax	National	Ron Yountz	40-Hr OSHA Trained Personnel
<b>EPG</b> PO Box 1096 Mt. Pleasant, SC 29465 843-514-2247 843-881-7766 - Fax	National	John Mahoney	40-Hr OSHA Trained Personnel

Company/24 Hr. #	Service Area	Contact	Equipment/Materials
<b>Trident</b> 175 Maple Street Mar boro, MA 01752 508-229-3545 508-229-8130 - Fax	New England National	Bill Nineve Gary Quinn	40-Hr OSHA Trained Personnel
<b>Contaminate Control Inc (CCI)</b> 438 – C Robinson St Fayetteville, NC 28301 800-845-3208 704-973-9669 - Fax	National	Randy Benefield Alan Oudy	40-Hr OSHA Trained Personnel
<b>Oil Mop Inc (OMI)</b> 145 Keating Drive Belle Chase, LA 70037 201-436-3500 504-391-7398 - Fax 504-391-7398 - Fax	National	John Garabocco Paula	40-Hr OSHA Trained Personnel
<b>Clean Venture</b> 201 South 1st ST Elizabeth NJ 07206 908-355-5800 908-355-3495 - Fax	National	Tony Pongonis 508-509-4893 - Cell	40-Hr OSHA Trained Personnel
<b>TMC</b> 1 William Way Bellingham, MA 02019  508-966-3737 508-966-4861 - Fax	National New England	Ross Hartman	508-889-8017 - Cell 40-Hr OSHA Trained Personnel
<b>Northeast Tank</b> 349 Lincoln St, Bld 48 Hingham, MA 02043 617-212-8250 781-740-0174 - Fax	New England	John O'Brien	Rolloff/Storage Tanks
<b>CYN Environmental</b> PO Box 119 Stoughton, MA 02072 781-341-1777 781-344-9674 - Fax	Regional	Ted Chris Weber	40-Hr OSHA Trained Personnel Various E.R. Equipment
<b>3R Inc.</b> 315 Bond Place Grier, SC 29650 800-654-4434 864-848-9963 - Fax		Tim Sloan	40-Hr OSHA Trained Personnel
<b>ES&amp;H Inc.</b> PO Box 9217 Houma, LA 70364 985-851-5350	National	Farrel LaFonte Peter Piasance	40-Hr OSHA Trained Personnel

<b>Company/24 Hr. #</b>	<b>Service Area</b>	<b>Contact</b>	<b>Equipment/Materials</b>
<b>Dillon Environmental</b> P.O. Box 1393 Ardmore, OK 73402 (580) 226-5303	Gulf	Scott Dillon	40-Hr OSHA Trained Personnel
<b>Cajun Boat Rentals</b> 1079 Sidney Guidry Rd. St. Martinville, LA 70582 (337) 519-6053	Gulf	Jude Guidry	Airboats
<b>Crain Bros. Inc</b> 2717 Grand Chenier Hwy. P.O. Box 118 Grand Chenier, LA 70643 (337) 538-2411	Gulf		Marsh Equipment
<b>US Environmental Services</b> PO Box 949 Meraux, LA 70075 888-279-9930 504-279-7756 - Fax	National	Dennis Schenk	40-Hr OSHA Trained Personnel
<b>Summit Environmental</b> 8521 S. Lake Dr Texarkana, TX 75501 903-334-8980 903-334-8990 - Fax	National	Jerry Anglin	40-Hr OSHA Trained Personnel
<b>ASCO</b> 2001 Peters Rd Harvey, LA 70058 1-800-207-SPIL (7745) 504-366-1491 - Fax	National	Aaron Holton	40-Hr OSHA Trained Personnel
<b>USI Environmental</b> PO Box 804 Beuras, LA 70041 985-637-6459	National	Mike Brewer	40-Hr OSHA Trained Personnel
<b>Phoenix Pollution Control</b> 720 S. Lynchburg Rd Baytown, TX 77520 281-838-3400	National	Tommy Anderson	
<b>LW Environmental</b> Rt. 2 Box 107 Wilson, OK 73463 580-668-2597 (580) 668-3228	National		40-Hr OSHA Trained Personnel

## SELECT PROJECT ABSTRACTS

Clean Harbors responds to emergencies from almost every service location on a daily basis. This section provides overviews of projects that have utilized Clean Harbors' National Response Team (NRT). We would like to note that we are available nationwide for any type of emergency, while still being capable to respond on a large scale without interrupting the day-to-day business at local service centers and facilities.

## HURRICANE RITA RECOVERY, CAMERON, LA – OCTOBER, 2005

### Project Overview:

Hurricane Rita came ashore in southwestern Louisiana on September 24, 2005, with the storm's eye passing near the community of Johnson's Bayou (directly south of SNWR) in Cameron Parish, Louisiana. A Category III hurricane at landfall, Rita caused widespread damage to the surrounding areas with winds in excess of 100 mph and a storm surge topping 15 to 20 ft. The coastal communities of Holly Beach, Johnson's Bayou, and Cameron received catastrophic damage. Oil drilling rigs and platforms located just offshore in the Gulf of Mexico also received heavy damage. Hazardous materials from these communities and commercial activities were carried by the wind and flood waters into wildlife refuges, along with household materials, lumber, and displaced vegetation.

Because of their current working relationship with the United States Coast Guard on the Hurricane Katrina disaster relief, Clean Harbors was called to aid in the recovery of hazardous materials from the wetland areas. After an initial flyover of Cameron Parish, Clean Harbors was asked to mobilize a crew of ten people. Working as a joint effort by the Coast Guard and the Environmental Protection Agency, a second flyover was performed a month later revealing thousands of more items in the marsh than the initial flyover.

Clean Harbors was able to use its extensive gulf coast networking to set up a fleet of over 20 single, double, and triple engine airboats, 8 marsh excavators and draglines, and 8 barge boats to assist in the effort. All of this equipment would follow teams of workers who walked the debris lines and pick up the debris. Crews spanned from the Louisiana – Texas state line eastward over 40 miles, and as far north as Hackberry, LA (~15 miles). Clean Harbors was also able to procure a gated and secure office for the USCG and EPA to use as their command station in Lake Charles.

Clean Harbors aided in recovering over 60,000 total hazardous items on the project. The joint task force set a goal of finishing the project by June 1, 2006, and Clean Harbors finished by April 1, 2006. Because of their superior work on the Rita recovery project, they were asked by the United States Fish and Wildlife organization to perform the same duties plus the duties of other contractors at the Cameron Prairie and Sabine National Wildlife Refuges during the second half of 2006.

## HURRICANE KATRINA RESPONSE, NEW ORLEANS, LA – SEPTEMBER, 2005

### Project Overview:

On August 31, 2005, the areas of Southeastern Louisiana and Southern Mississippi were hit by Hurricane Katrina. Arguably the worst natural disaster in United States history, the hurricane destroyed thousands of homes and lives. Levee walls in New Orleans, LA ruptured and flooded the entire city, forcing a complete evacuation of over 450,000 people in the city. Looting and violence ensued as much of the city searched for food and shelter, turning the city essentially into a war zone. The environmental damages and effects of the hurricane were numerous. According to the Natural Resources Defense Council, Hurricane Katrina triggered over 575 chemical and oil spills throughout the region, not to mention all of the water and mold damage that ensued from the flooding.

Clean Harbors response employees went to Baton Rouge to ensure the safety of employees in that area, as well as to assess damages. The office in Baton Rouge had minimal damage, and was equipped with hundreds of acres of land. Event Strike Team personnel contacted the US Coast Guard and informed them of our available resources in the area. The Coast Guard then requested to use the Baton Rouge facility as a command center for their response due to the security and available land. Within days Clean Harbors had procured over 30 camping trailers and set up a base to house over 300 people. The site was run as a normal service center at a much higher scale. Clean Harbors serviced over 30 customers and over 80 individual projects in the span of 8 months.

The Clean Harbors facility in Baton Rouge turned into a miniature city, with several customers living on the property. Campers were set up with fully functioning sewerage, water, electricity, and any other essentials. Utility services were installed to handle the increased phone and internet capacity of the Coast Guard and FEMA. Over 200 people were working under Clean Harbors command, including upper level managers, project managers, and technicians, and over 100 non-employees were using the facility as a base. Emergency response services were utilized near their full capacity for the entire company. Nearly every product line Clean Harbors offers worked during this response, including National Transportation, Technical and Remediation Services, Clean Pack, and Disposal. The field at the entrance of the facility was used as a helicopter launching pad for the Coast Guard, FEMA, and several other customers. At times there were over 15 helicopters on the property.

Within a day of the initial call, Clean Harbors procured a barge containing over 300,000 gallons of fuel to use for the Coast Guard's fueling operations. On top of the barge fuel that was used, Clean Harbors had fuel station capabilities at the Baton Rouge Facility that were fully utilized. A fueling team was set up to carry totes of fuel to several locations throughout the ravaged area; a job that lasted well over 8 months. Over a half a million gallons of fuel were delivered throughout the project.

It took the Army Corps of Engineers nearly a month to pump all of the water out of the city of New Orleans. The flooding caused all chemicals and oils to spill into the water, creating a massive potential for infection. Clean Harbors utilized their hazardous materials handling training, as well as their marine operations expertise to deploy boom at each individual pumping location on Lake Ponchartrain. Clean Harbors also assisted the Federal Emergency Management Agency (FEMA) in decontaminating their mobile morgues. Much of this work was considered high-haz due to all of the unknown pathological variables involved.

At a major oil facility in New Orleans, a 250,000 barrel above ground storage tank (tank # 250-2) was dislodged, lifted and damaged in flooding associated with Hurricane Katrina. At the time, the tank contained 65,000 barrels of mixed crude oil, and released approximately 25,110 barrels (1,050,000 gallons). The released oil has impacted approximately 1700 homes in an adjacent residential neighborhood; an area of about one square mile. The United States Coast Guard, along with the spill management company hired by the oil facility, hired Clean Harbors to assist in the initial cleanup. Clean Harbors mobilized over 30 workers, several small workboats, and several skimmer setups. Clean Harbors was a presence on the spill until the maintenance phase began in late October, 2005.

After the storm initially hit, the United States Post Office required cleaning of several offices in eastern Mississippi. Clean Harbors responded with over 100 workers to the Bay St. Louis, MS, and Kiln, MS Post Offices. Within a week they had cleaned each office and decontaminated the machines from any unknowns, and set up disposal services for future use at the locations. Also in Mississippi, Clean Harbors was contacted by a shipbuilding company to decontaminate their dry docks. Vacuum trucks and crews with pressure washing equipment were mobilized to accomplish the task.

In New Orleans itself there was much more work to be done. Since the city was evacuated and there was so much time without power, several food processing plants in New Orleans needed electricity to power their refrigeration units. Clean Harbors was asked to clean out two locations that had rancid meat in them. The cleanup of each location was managed and completed through disposal of the product by Clean Harbors. Disposal was sent to Clean Harbors' White Castle facility in White Castle, LA.

Within two months of the cleanup operation, so much of the work was based in New Orleans or further south that Clean Harbors mobilized another command center into the city. During the first two months of the cleanup phase it was impossible and unfeasible to enter the city and live there, but once it had been drained out moving there was an option. Clean Harbors set up another campground at the property across the river in Gretna, LA and began to run all New Orleans operations from there. A Mobil Incident Command Unit was set up there for all operations to report to, and an office was rented in the World Trade Center to run all Finance operations.

After the flooding in New Orleans, a local utility company contacted Clean Harbors to aid in cleaning their offices in the city. Clean Harbors cleaned several buildings directly for the utility company and their consultant, and due to their excellent work on the building decontaminations, Clean Harbors was asked to begin cleaning manholes throughout the city. Several high powered vacuum trucks were involved, and Clean Harbors used their confined space expertise to pump out and clean hundreds of manholes throughout New Orleans and southern Mississippi. The utility company was so impressed with the work that they awarded Clean Harbors the maintenance contract for the manholes in the entire Southeast & Gulf Area regions.

Once areas of the city were re-opened to the public, waste from houses needed to be collected and removed from the destroyed area. Clean Harbors utilized nearly 100 workers to walk debris lines and roads and collect any household hazardous waste (HHW) for disposal. The disposal was managed by the Army Corps of Engineers. Clean Harbors then used its strong subcontractor network to manage the asbestos and ACM cleanup among the HHW. This project lasted until late March, 2006, until the demolition of the damaged homes began.

After over 8 months of work, Clean Harbors proved once again that they are the leader in nearly all aspects of emergency response on a large scale. Nearly all product lines Clean Harbors has to offer were used over this time period; many jobs used multiple product lines on them such as response, transportation of waste, and disposal.

## **OIL TANKER ATHOS I SPILL, DELAWARE RIVER, NJ/PA – NOVEMBER, 2004**

### **Project Overview:**

On Friday, November 26, 2004, at approximately 9:15 p.m., the 750-foot, single-hull tanker Athos I, registered under the flag of Cyprus, was reported to be leaking oil into the Delaware River en route to its terminal at the CITGO asphalt refinery in Paulsboro, New Jersey. As two tugboats were helping the vessel maneuver to its terminal, a routine procedure, one of the tugboat operators noticed oil in the water, and the oil tanker listed eight degrees and lost power. Two punctures in the tanker's hull, 1-foot-by-2-foot and 1-foot-by-6-foot in size, later were confirmed by Coast Guard divers. Over 265,000 Gallons of Venezuelan crude oil spilled into the river. At the time of the spill it was the second largest in United States history to the Exxon Valdez spill in Alaska in 1989.

The spill affected approximately 214 miles of shoreline along the tidal portion of the Delaware River, from the Tacony-Palmyra Bridge, which links northeast Philadelphia to Palmyra, New Jersey, south to the Smyrna River in Delaware. The oil affected numerous birds, marsh vegetation, benthic habitat, and recreation. It also caused the temporary shutdown of Salem Nuclear Power Plant and commercial shipping traffic. It also caused the temporary shutdown of Salem Nuclear Power Plant and commercial shipping traffic.

Under contract with the vessel's deepwater Oil Spill Response Organization (OSRO), Clean Harbors Environmental Services (CHES) mobilized up to 360 people during this cleanup, managed by our internal Event Strike Team. Clean Harbors' responsibilities included vessel dispatch, vessel decontamination, beach cleanup, and shoreline decontamination, marina cleaning, and managing the overall event decontamination area.

Responders utilized CHES facilities in Deptford, NJ and Bridgeport, NJ for staging and logistical support. Clean Harbors managed the vessel dispatch control from one of our Mobile Incident Command trailers in Gloucester City, NJ.

CHES continued working for the USCG after the response was federalized in March, 2005, and completed demobilization in May, 2005.

**BARGE #B-120 SPILL, BUZZARDS BAY, MA – APRIL, 2003****Project Overview:**

On Sunday, April 27, 2003, at approximately 5:00 PM, the Oil Barge B No. 120 reported sheening #6 fuel oil upon approach to the west entrance of the Cape Cod Canal. The barge was carrying approximately 97,000 barrels of oil. The original report estimated that the loss of oil was minimal. Coast Guard over-flights showed a visible sheen 15 miles long by 2 miles wide and a new estimate of 14,700 gallons (350 barrels) oil lost was determined. As the spill progressed, it was later determined that the actual amount of the spill was closer to 100,000 gallons.

Clean Harbors was notified at 6:15 PM and hired by the vessel's Primary Oil Spill Removal Organization (OSRO) to provide containment boom around the barge. The release was contained within the first tide cycle. However, the oil did impact several beaches and islands along the east and west sides of the bay.

The Clean Harbors Event Strike Team was in place on the day of the spill with 65 trained oil spill removal specialists and, at the height of activities, had a total of 813 people working with the U.S. Coast Guard, Mass. Department of Environmental Protection, as well as local governments and some private citizens. Racing the clock in preparation for the large beach crowds on Memorial Day weekend, the crews worked all day and night removing remaining floating oil and restoring many recreational beaches for use.

Buzzards Bay is a very sensitive area that contains numerous fishing and breeding grounds, pristine beaches, recreational activities and several endangered species. One of the challenges faced was protecting an endangered bird species, the Piping Plover. This bird is the size of a tennis ball and there are only 500 pairs left, all residing in Southeastern New England. In cooperation with the Federal and State Wildlife agencies, preventative measures were taken to protect the birds from the oil while their young were being hatched.

Clean Harbors worked in cooperation with the Responsible Party's Primary OSRO and the Coast Guard's Vessel of Opportunity Skimming System (VOSS) to complete open-water skimming operations. Clean Harbors also provided equipment, personal protective equipment and personal safety support through a comprehensive logistics system. This system ensured people in the field had the right tools for the work being performed and prevention of serious injuries, such as dehydration and heat exhaustion.

Supporting this effort, Clean Harbors brought experienced crews in from many of the 38 Field Services Offices and 46 Facilities including; Albany, Boston, Bow, Baltimore, Brooklyn, Chicago, Cincinnati, Deptford, Houston, Prince George, and Wichita. Additionally, Clean Harbors hired a number of subcontractors from around the country to provide OSHA compliant labor support.

The clean-up phase ended in July and the maintenance phase lasted through the summer months. All the beaches were restored to their previous state, or better.

**UNITED STATES POST OFFICE ANTHRAX ATTACK, NEW YORK, NY – SEPTEMBER, 2001****Project Overview:**

On October 31, 2001, Clean Harbors Environmental Services was directed to proceed with emergency Anthrax cleanup at the United States Post Office Morgan facility in New York, New York. This facility is the city's main processing center and employs 5,500 people. Five machines tested positive for anthrax. The initial emergency response work was to be conducted on the third floor in an area of approximately 120,000 sq ft, containing 26 machines. The subject area was bordered to the North by 29th street, to the South by 28th street, to the West by 10th avenue and to the East by an area known as ASM 100.

Pursuant to plans, specifications and safety protocols prepared by an independent consultant, Clean Harbors was responsible for isolation of work areas identified by the Client. Work zone isolation techniques included standard protocol incorporating polyethylene sheeting barriers, warning tape and high volume air movers equipped with HEPA filters. The high volume air movers, also know as negative air machines, were used to maintain negative pressure with the exhaust either run to the building exterior or run to a second machine before discharge into the building interior. In general, all elevated horizontal surfaces and all machine surfaces within the effected areas were initially cleaned with HEPA-filter equipped vacuums. A 0.5% sodium hypochlorite solution was subsequently applied to all surfaces of the machines. Contact time for this solution would be at least 15 minutes. The surface was then neutralized using a sodium thiosulfate and water solution. All machine surfaces were then water washed and ultimately wrapped in polyethylene sheeting. Exterior surfaces of non-porous equipment and floor surfaces in the effected areas were cleaned in the same manner. Air diffuser ducts and the exterior of the HVAC return ducts in the effected area were vacuumed and washed as previously described. All return ducts were then covered using polyethylene sheeting.

In addition to more than 200 other personnel engaged in various support functions associated with recovery efforts, Clean Harbors mobilized approximately 225 people to staff this time-critical project. Technical support teams managed cleanup crews who worked around the clock, seven days per week for over five weeks to restore the city's main processing center to full capacity. Areas of the facility were able to remain functional while crews effectively decontaminated more than 60 machines, 400,000 square feet of floor space and associated ventilation systems. Clean Harbors also managed the transportation and disposal of decontamination-derived wastes and coordinated the overall effort with the client's consultant. Clean Harbors crews decontaminated each facility efficiently and effectively, completing the postal facility project ahead of schedule and under budget without closing it for even one day.

## **WORLD TRADE CENTER TERRORIST ATTACK, SEPTEMBER 11, 2001 – NEW YORK, NY**

### **Project Overview:**

On the morning of September 11, 2001 the United States Homeland suffered the most devastating attack in American history. Four commercial airline flights were hijacked that day. Two of the four crashed into each of the World Trade Center's (WTC) landmark Twin Towers. Clean Harbors was immediately called upon to deploy personnel and equipment to assist local businesses, utility companies, and government agencies in protecting public health, safety and the environment.

Clean Harbors activated one of its Mobile Incident Command Units to lower Manhattan and began dispatching crews to assist in debris removal from various utility manholes located in close proximity to the WTC Twin Towers. Crews were awaiting clearance to proceed from the New York Fire Department when the first tower collapsed.

Clean Harbors crews from around the country were dispatched to our Command Center located near Ground Zero. Clean Harbors' working relationships with several local utility companies as well as emergency response agreements with several Federal Agencies allowed them to play a primary role in the disaster response. New York City's Office of Emergency Management, Federal Emergency Management Agency, and Joint Incident Command System (ICS) recognized Clean Harbors as a leader in the area of environmental emergency response.

Due to wide ranging task assignments, personnel of Clean Harbors reported to several different authorities within ICS. Furthermore, local businesses utilized Clean Harbors to remove and dispose of oily debris from flooded basements and to abate dust from various offices, warehouses and retail stores. Local utility companies employed Clean Harbors to clean manholes potentially contaminated with debris, cable oil, transformer oil and lead. Crews saw-cut trenches to allow for new cable to be installed. Consulting Engineers utilized Clean Harbors' resources to remove petroleum products from various underground storage tanks and pump oil contaminated water through portable treatment systems. Air movers with HEPA filters were deployed to remove debris from neighboring areas as far as a mile away from Ground Zero.

Clean Harbors carried out the New York City Department of Health's requirement to wash and contain runoff from every vehicle leaving Ground Zero, in order to capture any loose debris, dust and potential contaminants that might otherwise escape from the exclusion zone. Portable decontamination pads were installed to contain runoff from the vehicle wash stations set up in the support zone. Additionally, under the direction of the Federal Government, Clean Harbors supported Urban Search and Rescue Teams by obtaining and strategically staging portable wash stations and comfort areas. All response and rescue personnel were able to use hot showers and wash-sinks located throughout the Ground Zero Support Zone. This allowed them to remove any potential inhalant particulates and/or blood-borne pathogens as well as sanitize their respirators for reuse on their next shift.

At the peak of this demanding and extremely emotional project, Clean Harbors deployed in excess of 140 Technicians, Equipment Operators, Foremen and Project Supervisors to the site. Clean Harbors employees drawn from various Response Centers around the country, maintained many wash stations throughout Ground Zero as well as supported the day-to-day efforts of debris removal and utility repair.

While Clean Harbors' Emergency Response Strike Force was fully deployed at Ground Zero, anthrax began to threaten America's health and the environment and Clean Harbors deployed an additional 225 employees strictly for anthrax response. Clean Harbors simultaneous response to the government's call for help at Ground Zero and help in decontaminating anthrax locations in New York City, transformed their already outstanding accomplishment into a truly extraordinary feat. Clean Harbors was called upon to decontaminate the national studios of NBC and CBS, as well as the Morgan Postal Facility in Manhattan, which, with its 5,500 postal employees, moves more mail per day than any other facility in the country.

In summary, within hours after the two airliners struck the World Trade Towers on September 11th, Clean Harbors was on-scene providing comprehensive environmental emergency response services. These services continued to be provided, 24 hours a day, until demobilization orders were received in early April, as the clean-up process neared completion, and served to demonstrate Clean Harbors efficient mobilization, organizational, logistical and operational capabilities and Clean Harbors ability to continue to provide normal emergency and non-emergency services to its regular clients throughout the nation during the emergency.

## **SOUTHSIDE RIVER RAIL TANK COLLAPSE & SALVAGE, CINCINNATI, OH – JANUARY, 2000**

### **Project Overview:**

On January 8, 2000, a one million gallon tank containing liquid nitrogen fertilizer ruptured, emptied 980,000 gallons of material into the concrete/earthen containment wall. The sudden discharge caused the wall to collapse and the bulk of the material flowed through the wall, over the dock barges and into the Ohio River, sending two semi-tractors and debris out into the river.

Clean Harbors personnel arrived on site and deployed 700 feet of containment boom and 100 feet of deflection boom into the Ohio River around the collapsed portion of the containment area. Adjacent to the failed tank were four other one million gallon tanks, containing oils and solvents. The collapse caused major damage to two of the other tanks resulting in extreme concern of additional tank failures.

On site regulatory personnel included the local fire and police departments, Ohio Environmental Protection Agency, United States Environmental Protection Agency, the United States Coast Guard, and the local health department. The United States Environmental Protection Agency requested the Coast Guard National Strike Team to help assist and the Federal Bureau of Investigation arrived on site to do an investigation for possible Year 2000 sabotage (which was later ruled out).

After securing the initial concerns, Clean Harbors continued a 24-hour operation and began pumping out approximately 120,000 gallons of liquid fertilizer from the containment area and transferring the material to another tank.

After review of the situation with the regulatory agencies, it was decided to have Clean Harbors deploy an additional 1,000 feet of containment boom and 200 feet of deflection boom in the river for possible recovery from another tank failure.

Clean Harbors then assisted the responsible party in transferring approximately 3.5 million gallons of the oil and solvent products from the other tanks for storage. Each tank was then cleaned and the waste material placed in a fractionized tank for later disposal.

Clean Harbors then began removal of the semi-tractors from the river. A diver was sent down to locate and hook up the tractors and a barge-mounted crane was used to remove them. Clean Harbors personnel used absorbent pads to soak up fuel oil as the tractors were removed.

Clean Harbors then rinsed down the collapsed tank carcass and the scrap was removed. The containment wall was repaired and then the entire boom was removed from the river.

## **WOOD RIVER REFINING COMPANY PIPELINE SPILL, WOOD RIVER, IL – JANUARY, 1999**

### **Project Overview:**

The responsible party to respond to a diesel fuel pipeline leak in January 1999 activated Clean Harbors' emergency teams. Immediately after receiving the call, three 5,000-gallon vacuum units, a six-man crew with skimmers and containment boom were mobilized and two members of the Clean Harbors' Event Strike Team were flown to St. Louis to assess the situation.

The amount of the release was unknown at that time. However, over the next several hours, Clean Harbors provided sixty 40-hour OSHA trained people to deploy over 2,000 feet of boom and assist in the cleanup. Two 16-foot Pointer workboats and five john boats were deployed from Clean Harbors' Service Centers in the Midwest.

Clean Harbors was assisted by another oil spill response organization with personnel and resources, including a vacuum transfer unit, which was barge mounted, to recover product not easily captured using land based recovery equipment. Clean Harbors acted as the primary contractor and supplied engineering plans for an oil collection system to be placed at the origin of the leak. The plan was implemented and the system prevented further impact on the Mississippi River.

The cleanup lasted for nearly three weeks. Clean Harbors personnel remained on site until decontamination was completed on all deployed equipment.

## **JULIE N. OIL TANKER SPILL, PORTLAND, ME – SEPTEMBER, 1996**

### **Project Overview:**

On Friday, September 27, 1996, the Motor Vessel Julie N, a 560-foot tanker, collided with the "Million Dollar Bridge" in the Fore River area of Portland Harbor. The vessel then proceeded under its own power to the Sprague Dock. The Clean Harbors Event Strike Team personnel responded to the emergency immediately and, working under the line-handling contract with Moran Shipping (the vessel's agent) moored the vessel to the dock and assisted in the booming.

The vessel, which was carrying a primary cargo of diesel fuel, spilled approximately 60,000 gallons of heavy bunker oil from its fuel tanks and approximately 120,000 gallons of the diesel fuel from its cargo tanks into the waters off Portland Harbor. Over the next several hours and days, Clean Harbors, working in cooperation with Clean Casco Bay and other local contractors, as well as Fire Department personnel, responded with nearly 150 OSHA 40-hour trained people, a Mobile Command Center, and a complete Supply and Logistics organization. Additionally, Clean Harbors provided 11 workboats and trained marine operators.

Clean Harbors' Portland, ME personnel were supplemented with Clean Harbors Strike Team personnel from Bangor, ME, Bow, NH, Boston, MA, Providence, RI, New Britain, CT, Albany, NY, Edison, NJ, Philadelphia, PA, Baltimore, MD, Richmond, VA, Charleston, SC, Chicago, IL, Cleveland, OH, Cincinnati, OH and Pittsburgh, PA

Working in cooperation with two National Oil Spill Cleanup Contractors and Response Organization contractors, Clean Harbors assisted in the operation of Oil Spill Response Vessels and VOSS equipment. Within three days, over 700 people were actively engaged in cleaning up the spill and preventing further spillage.

Clean Harbors, in addition to being the primary contractor on site, was also tasked with supplying all other parties with necessary materials and logistics services.

Active cleanup continued until approximately Thanksgiving, at which time, work transitioned from the recovery mode to the maintenance phase. This maintenance work continued for the better part of the winter.

**ANITRA OIL TANKER SPILL, CAPE MAY, NJ - MAY/JUNE, 1996****Project Overview:**

On May 17, 1996, Clean Harbors was called to assist in the recovery efforts of a 40,000-gallon release of #6 grade fuel oil in Delaware Bay from the French Tanker, Anitra. The Anitra was in the process of lightering at the time of the spill (transferring its cargo to smaller vessels with less draft so that cargo could be taken into Delaware Bay).

The initial spill occurred at the mouth of Delaware Bay, but prevailing winds and tidal currents soon drove the product out into the Atlantic Ocean and then onto the 40 miles of New Jersey Coast from Cape May to Brigantine.

Clean Harbors mobilized 75 responders from its Strike Team network along with a Mobile Command Center and Logistics group. Clean Harbors provided both beach clean-up services and logistics support, including portable sanitary facilities, tents and roll-off container services.

Crews were in a race against time to clean the beaches before the traditionally busy Memorial Day weekend. They were successful in this effort, in that the beaches were clean for that important holiday. Crews were available to perform beach maintenance for three weeks after the holiday weekend.

## **NORTH CAPE OIL BARGE SPILL, SOUTH COUNTY, RI – JANUARY, 1996**

### **Project Overview:**

On Friday, January 19, 1996, Clean Harbors' Providence, RI office was informed of a tugboat ablaze in Block Island Sound, south of Point Judith, RI. The crew of the tugboat "Scandia" was abandoning ship. Attached to the tug, by towline, was the barge "North Cape", which was reportedly carrying four million gallons of number 2 fuel oil.

Clean Harbors promptly dispatched a Supervisor and Foreman to the United States Coast Guard station at Point Judith to offer assistance and to help monitor the situation. The Rhode Island Department of Environmental Management (RI DEM) was at the Coast Guard Station when Clean Harbors personnel arrived and a discussion ensued on the immediate issues. The status at that time was that the tug was on fire and the crew had been rescued, but the tug and barge were both adrift and headed towards sensitive barrier beach areas. Local tugs were unable to assist due to heavy weather conditions.

Clean Harbors was requested to assist the RI DEM at the location where the barge was expected to go aground (Moonstone Beach in Narragansett, RI). The barge did, in fact, wash ashore that night and a heavy odor of oil confirmed everyone's suspicions that the cargo was in fact leaking. Due to the forecast of heavy weather until daybreak, cleanup activities were not scheduled to begin until the next morning.

Clean Harbors, along with one of the National Oil Spill Cleanup Contractors and Response Organization's salvage contractor, and the barge owner were tasked with several difficult and specialized operations. In the days following the grounding, the coastal areas from Point Judith to the Quonochontaug Breach way fell under heavy scrutiny. By Saturday the 20th, crews had deployed approximately 6,000 feet of containment boom to protect areas designated "sensitive" on the Area Contingency Plan. Breach ways connecting the coastal ponds to the Atlantic became non-navigable due to the web of lines, booms, and anchors.

Tidal currents in excess of 20 knots forced cleanup crews to wait for tidal shifts in order to set equipment. The tidal shift consisted of a five to ten minute window of opportunity each day. With the assistance from local fire department ice rescue teams, lines were shot across the 75 foot breach using .22 caliber rifles. These lines were then used to set mooring lines in place. Many deflection booms had to be set at angles of 15 degree or less to counteract the high current flows.

An estimated 8,000 feet of absorbent boom and sweep were also deployed within Point Judith Pond, Card Pond, Trustom Pond, Green Hill Pond, Charlestown Pond, and Quonochontaug Pond. Most of this material was set in conjunction with containment booms. However, some absorbents were used by local shell-fishermen to protect private seed beds. Approximately 500 feet of containment boom was deployed at the entrance to the Great Salt Pond on New Shoreham (Block Island), but no oil ever reached "The Block."

A combined effort, involving Clean Harbors and several other contractors working around the clock was required to maintain collection points and deflection booms that were being severely strained by high winds and strong currents. Overall there were approximately 60 people involved with the coastal protection on a daily basis.

More than 20 general utility boats worked in the pond areas for the next week. Although there was substantial oil impact along the barrier beaches, the coastal ponds fared well, and flushed clean within weeks.

## **EAGLE POINT REFINERY, REFINERY SPILL, PAULSBORO, NJ - JULY/AUGUST 1995**

### **Project Overview:**

On July 23, 1995, Clean Harbors was activated by National Response Corporation (NRC) as part of their ICN (Independent Contractors Network) to assist in the clean-up efforts at a spill on the Delaware River at the Coastal Eagle Point facility in Paulsboro, NJ.

A "mini tornado" struck the Norwegian Tanker JAHRE SPRAY as it was discharging a cargo of crude oil at the Coastal Facility. Approximately 84,000 gallons of the product was released into the river when the force of the tornado drove the vessel away from the loading docks, causing the discharge hose to break loose.

Clean Harbors mobilized nearly 150 spill responders from various locations to assist in the cleanup efforts. Clean Harbors also deployed 15 workboats to work on the spill, which affected nearly seven miles of the riverbank. When the job progressed to the maintenance phase, Clean Harbors was able to provide 14 pressure washing units and various absorbent materials to aid in the recovery efforts. All work was performed during one of the worst heat waves ever experienced in the Philadelphia area. The average temperature during this project was over 98 degrees F.

Clean-up efforts continued until the second week of August, at which time the majority of the oil had been cleaned up.

## **MORRIS J. BERMAN BARGE SPILL, OLD SAN JUAN, PUERTO RICO – JANUARY, 1994**

### **Project Overview:**

On Friday, January 7, 1994 between Midnight and 4 a.m., the Morris J. Berman oil barge parted its towline and struck a reef in front of the Escambron Beach area near Old San Juan. The barge was reportedly carrying 35,000 barrels of number 6 fuel oil and proceeded to spill approximately 20,000 barrels of oil (880,000 gallons) during the course of a week as it broke up on the reef. The areas impacted were popular tourist beaches in front of two of the areas more exclusive resort hotels.

The National Response Corporation (NRC), which had an OPA-90 contract with the barge owner, was called at 6 a.m. New York time and immediately began mobilizing equipment and personnel. NRC then called Clean Harbors to assist them in the response and recovery effort.

Two Clean Harbors Supervisors based in Puerto Rico were on site by 9 a.m. January 7th assisting Puerto Rico based NRC personnel as first responders. Clean Harbors then added five Mainland Supervisors on January 8th and within a short time expanded the initial force with up to 20 additional personnel. Clean Harbors was tasked with supervising up to 400 local labor personnel at the height of the spill.

The spill consisted of three phases from an administrative viewpoint and two phases from an operational viewpoint. In the first instance, Clean Harbors worked for NRC who, in turn, worked for the insurance agency representing the barge owners. As the insurance coverage ran out, NRC executed a commercial contract with the Coast Guard and began working directly for them and Clean Harbors continued working for NRC. This phase lasted several more weeks until Clean Harbors began working directly for the Coast Guard under an existing Basic Ordering Agreement (BOA).

Operationally, during these administrative phases, the spill moved in a gradual transition from emergency 24 hr. around the clock response, to planned emergency work which consisted of 10 to 12 hour days cleaning the beach and performing routine maintenance checks.

**BERMUDA STAR OIL SPILL, CAPE COD, MA – JUNE, 1990****Project Overview:**

In June of 1990, Clean Harbors was hired by the owners of the Bermuda Star to provide containment and cleanup services in connection with the grounding of the cruise liner at the entrance of the Cape Cod Canal. Cleanup operations included major booming of the vessel while at anchorage. Other operations included shoreline cleanup of remote offshore islands in the Woods Hole area. This required the use of barges and marine support equipment to handle up to 75 field personnel and handling of oil contaminated debris and barge mounted roll-off containers.

**BT NAUTILUS OIL TANKER SPILL, STATEN ISLAND, NY – JUNE, 1990****Project Overview:**

In June of 1990, Clean Harbors was hired by the owners' representatives of the BT Nautilus to assist in the containment and cleanup of approximately 250,000 gallons of number 6 fuel oil that spilled as a result of grounding in the Kill Van Kull waterway. At the height of the incident, Clean Harbors has over 100 personnel, three vacuum trucks, 15 boats, two vacators, and 8,000 feet of boom on site.

## **WORLD PRODIGY OIL TANKER SPILL, NEWPORT, RI – JUNE, 1989**

### **Project Overview:**

On Friday, June 17, 1989 at 4:40 p.m., the 532 foot oil tanker, World Prodigy, carrying approximately 8.1 million gallons of number 2 home heating oil, struck a submerged reef about one mile south of Newport, Rhode Island in Narragansett Bay. The impact produced a 200-foot long gash, up to 5 feet wide, on one side of the ship and 150 feet of dents, holes and cracks along the other side. Nine of the tankers 23 containment tanks had ruptured releasing 420,000 gallons of oil into the Atlantic Ocean. At the time, it was the worst oil spill to imperil the New England coast in over a decade.

The spill endangered the nearby shoreline, which included numerous beaches, environmentally sensitive salt marshes and coves, and spawning grounds for fish and shellfish. It was also life threatening to sea birds and other coastal wildlife. Clean Harbors' crews and equipment were dispatched within minutes of the accident. By the time notification of the accident was received from state officials, Clean Harbors was already in route to the site.

Less than ninety minutes after the accident occurred, Clean Harbors' crews, workboats, oil transfer equipment, vacuum trucks, and other vehicles and equipment were arriving at the scene to initiate containment activities. A helicopter was also used to speed personnel and supplies from the shore to the spill site. Within hours of the accident, the United States Coast Guard assumed responsibility for emergency operations, and Clean Harbors was appointed as the primary emergency response contractor.

Clean Harbors founder and Chairman, Alan S. McKim was one of the first to arrive at the accident scene and supervised Clean Harbors' cleanup operation from aboard the World Prodigy. By nightfall, the ship was encircled by a ring of containment booms to help prevent the spread of leaking oil and arrangements were made to bring in two barges which would be needed to off-load oil from the crippled tanker.

Additional personnel and equipment were in route and arriving from several Clean Harbors' service centers throughout the Northeast, and by the next morning approximately 150 Clean Harbors employees were at work using oil absorbent pads, high-powered vacuums and skimmers to remove the oil from the water's surface. Absorbent booms ranging from 100 to 3000 feet in length were strung across environmentally sensitive coves and inlets to protect them from contamination and oil off-loading and transfer activities were in full swing.

By Tuesday, June 21st, the primary danger was considered past and Government officials pronounced that the coastline was nearly clear of the threat posed by the oil spill. Clean Harbors personnel, however, remained on the scene and off-loading and cleanup activities continued until the disabled ship was towed away the following week. By this time, there were virtually no remaining visual indications that the oil spill had occurred.

## USCG OSRO RATINGS BY CAPTAIN OF THE PORT (COTP) ZONE

Oil Spill Response Organization (OSRO)  
Clean Harbors Environmental Services (OSRO #13)

Captain of the Port (COTP) Zone	Environment	Facility	Vessel
Baltimore	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Boston - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Buffalo	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Buffalo (Oswego NY)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Charleston	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3,	MMPD, WCD1, WCD2, WCD3
Lake Michigan	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Buffalo	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Corpus Christi - HVP	River/Canal	WCD3	MMPD, WCD2, WCD3
	Inland	WCD3	MMPD, WCD3
Detroit	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Duluth	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
	Great Lakes	WCD2, WCD3	WCD2, WCD3
Guam	Inland	WCD3	MMPD, WCD1, WCD2, WCD3
Hampton Roads	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Houston – Galveston - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD3
Ohio Valley	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Jacksonville	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Jacksonville (Port	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
Canaveral, FL)	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Long Island Sound	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Ohio Valley	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Lower Mississippi	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Miami	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
Lake Michigan	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Mobile	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
Mobile (Panama City, FL)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
Morgan City	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
New Orleans - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD2, WCD3
New York - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Ohio Valley	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Delaware Bay - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Pittsburgh	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Port Arthur - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD3
Northern, New England	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Portland, OR	River/Canal	WCD3	MMPD, WCD3
	Inland	-	MMPD, WCD3
Portland, OR (Coos Bay, OR)	River/Canal	MMPD, WCD3	MMPD, WCD3
	Inland	-	MMPD
Southeastern New England	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Upper Mississippi	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
San Diego	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	-	MMPD, WCD3
San Juan	River/Canal	WCD3	WCD3
	Inland	WCD3	WCD3
Sault Ste. Marie	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Sault Ste. Marie (Alpena, MI)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

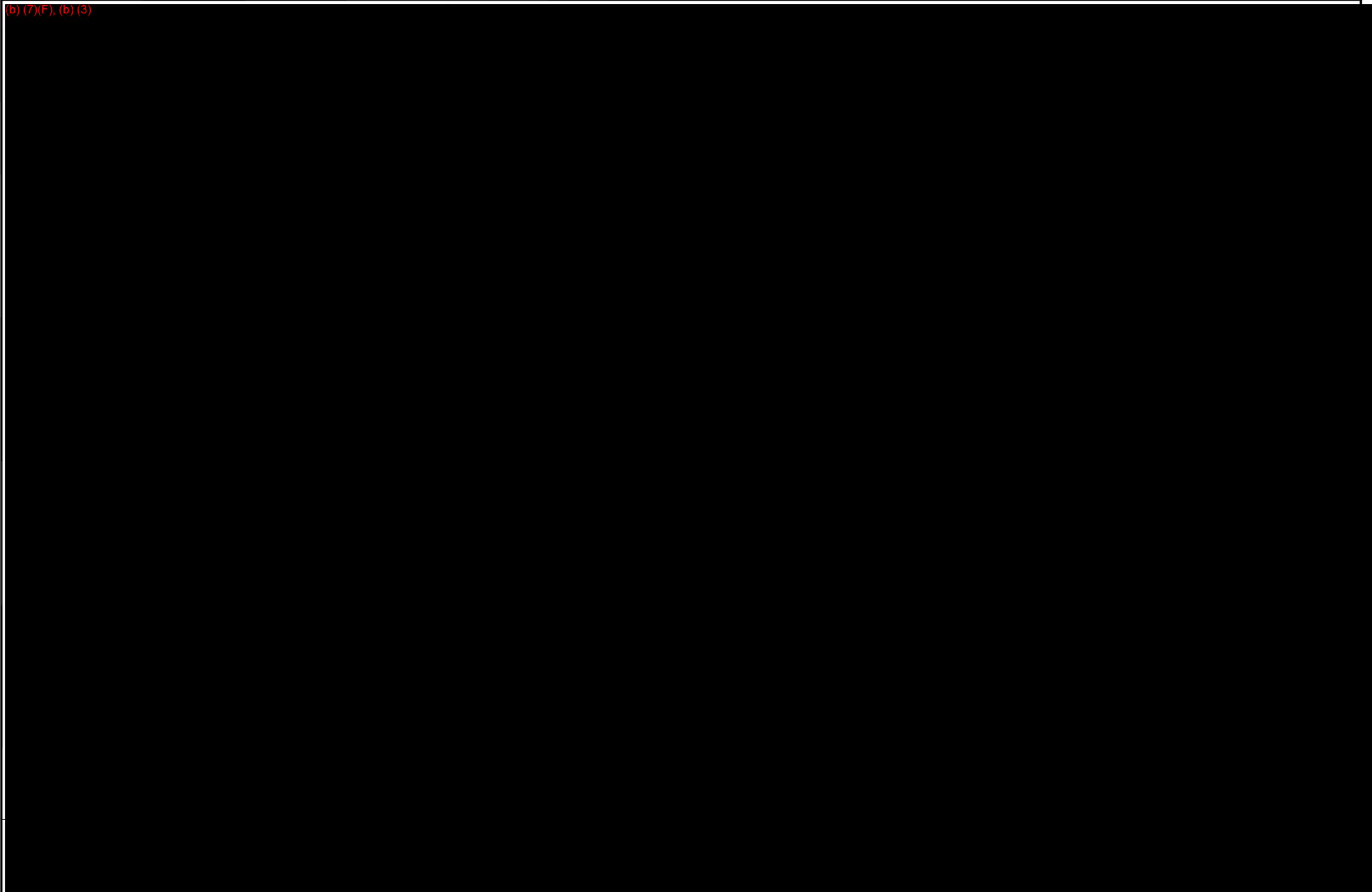
<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Sault Ste. Marie (Marquette, MI)	River/Canal	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
	Great Lakes	WCD2, WCD3	WCD2, WCD3
Sault Ste. Marie (Traverse City, MI)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Savannah	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
St. Petersburg	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
Detroit	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Cape Fear River	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3



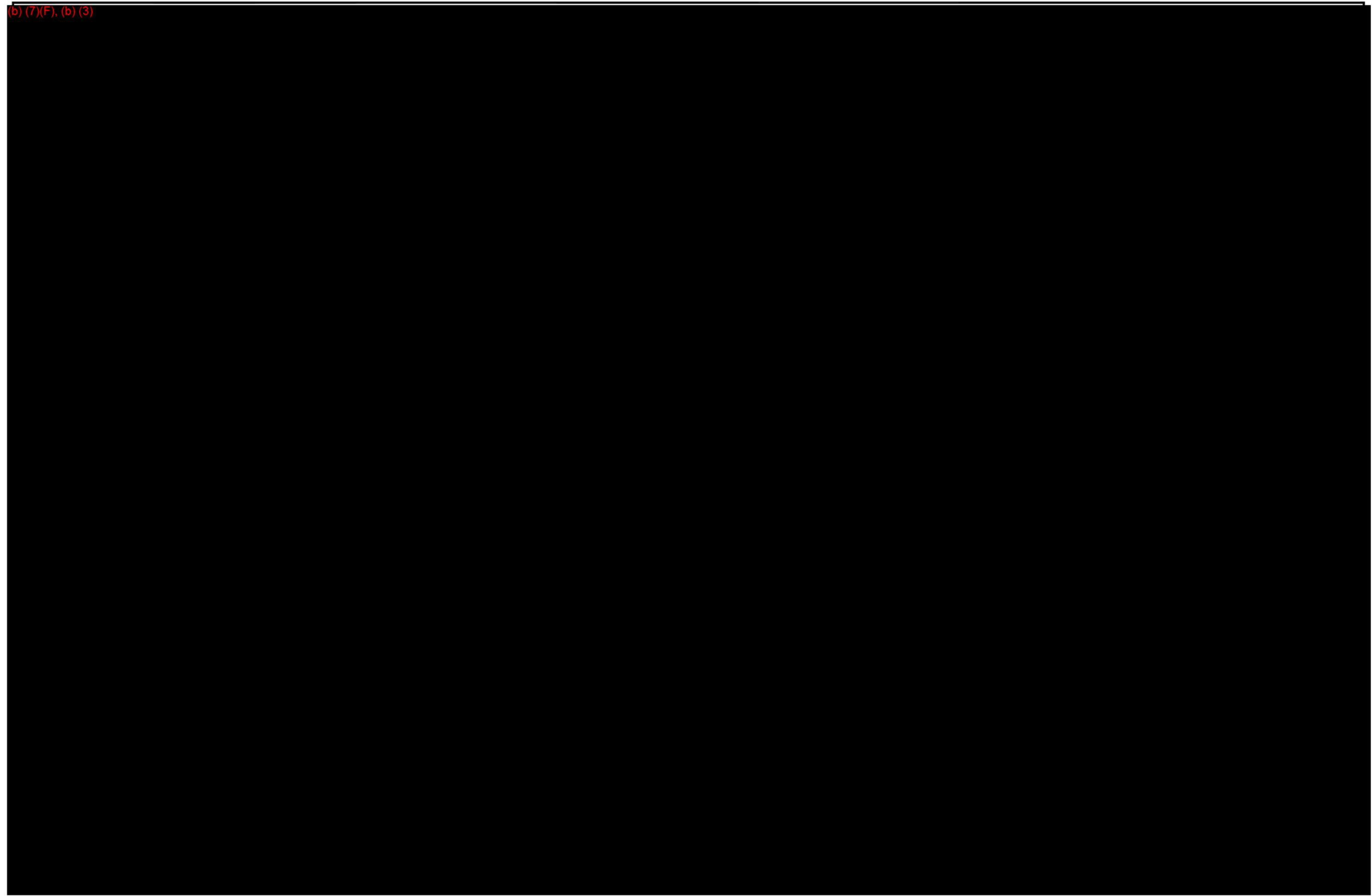
(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)





TECHNICAL RESPONSE PLANNING  
CORPORATION

1995 ✦ 2005  
10 YEARS OF EXCELLENCE

March 20, 2007

FRP Coordinator  
U.S. EPA – Region 2  
Response & Prevention Branch  
Attn: Eric Mosher  
2890 Woodbridge Ave., MS-211  
Edison, NJ 08837

RE: Facility Response Plan for the Linden Terminal (EPA FRP #0200048)

Mr. Mosher:

Enclosed is a set of revisions to the above referenced Plan. Please follow the filing instruction page for the revision packet to update the copy you currently hold and dispose of the old pages.

The plans include requested changes per your February 5, 2007 letter. Attached for your convenience is a deficiency checklist outlining your specified plan deficiencies and the location in the plan where the deficiency has been satisfied.

Please direct all questions and correspondence to Rex Prosser (Emergency Management Program Mgr.) at CITGO Petroleum Corporation 1393 Eldridge Parkway (N2109) Houston, TX 77077 or (832) 486-1663.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

GD:ac

Cc: Rex Prosser, Cecil Campbell

Federal Express



**TECHNICAL RESPONSE PLANNING**  
CORPORATION

1995 ✦ 2005  
10 YEARS OF EXCELLENCE

**RE: EPA RESPONSE REVIEW CHECKLIST**  
**FRP NUMBER 0200048 LINDEN TERMINAL**

FRP DEFICIENCY ITEM	LOCATION IN PLAN WHERE DEFICIENCY IS SATISFIED*
<b>1.4 Hazard Evaluation</b> <ul style="list-style-type: none"> <li>• Daily operations that pose a risk of discharge</li> <li>• Daily throughput changes that may affect potential discharge volumes</li> </ul>	Updated FIGURE 1-2
<b>1.7.1.1 Plan Implementation</b> <ul style="list-style-type: none"> <li>• Response resources for a medium discharge did not identify the following:               <ul style="list-style-type: none"> <li>• Effective daily capacities of response equipment</li> </ul> </li> <li>• Response resources for a worst case discharge did not identify the following:               <ul style="list-style-type: none"> <li>• Response resources with fire fighting capabilities</li> <li>• Individual identified to work with the fire department.</li> <li>• Temporary storage equal to twice the daily recovery capacity</li> </ul> </li> </ul>	Updated SECTION D.5.1
<b>1.9 Facility Diagrams</b> <ul style="list-style-type: none"> <li>• The Facility Site Plan Diagram did not address the following:               <ul style="list-style-type: none"> <li>• Communications and emergency response equipment</li> </ul> </li> </ul>	FRP Updated FIGURE 1-5



TECHNICAL RESPONSE PLANNING  
CORPORATION

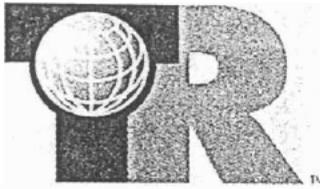
1995 ✦ 2005  
10 YEARS OF EXCELLENCE

### MARCH 2007 PLAN UPDATE PROCEDURES

#### Facility Response Plans

**Section 1:** Remove pages 3 through 5 and Figure 1-5 (Site Diagram). Replace with new pages 3 through 5 and Figure 1-5 (Site Diagram).

**Appendix D:** Remove pages 13 and 15. Replace with new pages 13 and 15.



TECHNICAL RESPONSE PLANNING  
CORPORATION

1995 ✦ 2005  
10 YEARS OF EXCELLENCE

January 8, 2007

U.S. EPA Region II (MS211) FRP Coordinator  
Attn: Doug Kodama  
2890 Woodbridge Ave., Building 209  
Edison, NJ 08837-3679

RE: Facility Response Plan for the Linden Terminal (EPA FRP #NJD000691170)

Dear FRP Coordinator:

Enclosed is a new copy of the CITGO Petroleum Corporation Linden Terminal Facility Response Plan for your review and approval. Please direct all questions and correspondence to Rex Prosser (Emergency Management Program Mgr.) at CITGO Petroleum Corporation 1393 Eldridge Parkway (N2109) Houston, TX 77077 or (832) 486-1663.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

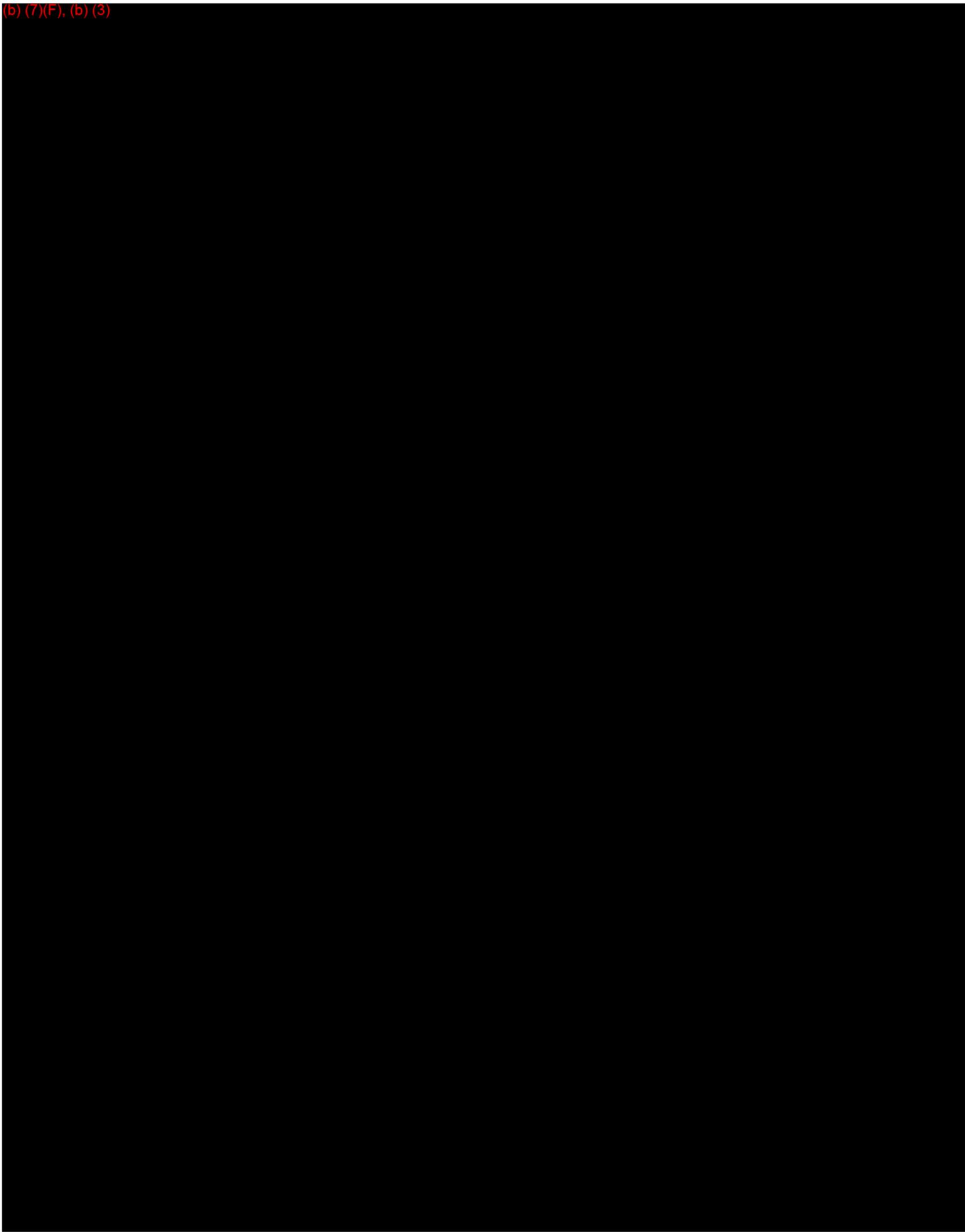
GD:ac

Cc: Rex Prosser, Cecil Campbell

Federal Express

# ENVIRONMENTAL SENSITIVITY INDEX MAP

(b) (7)(F), (b) (3)



<p><b>SHORELINE HABITATS (ESI)</b></p>	
	1A EXPOSED ROCKY SHORES
	1B EXPOSED, SOLID MAN-MADE STRUCTURES
	2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
	2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
	3A FINE-TO MEDIUM-GRAINED SAND BEACHES
	4 COARSE-GRAINED SAND BEACHES
	5 MIXED SAND AND GRAVEL BEACHES
	6A GRAVEL BEACHES
	6B RIPRAP
	7 EXPOSED TIDAL FLATS
	8A SHELTERED ROCKY SHORES
	8B SHELTERED, SOLID MAN-MADE STRUCTURES
	8C SHELTERED RIPRAP
	9A SHELTERED TIDAL FLATS
	9B SHELTERED VEGETATED LOW BANKS
	 10A SALT-AND BRACKISH-WATER MARSHES
	 10B FRESHWATER MARSHES
	 10C SWAMPS
	 10D SCRUB-SHRUB WETLANDS

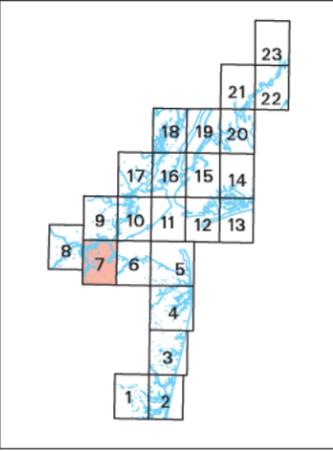


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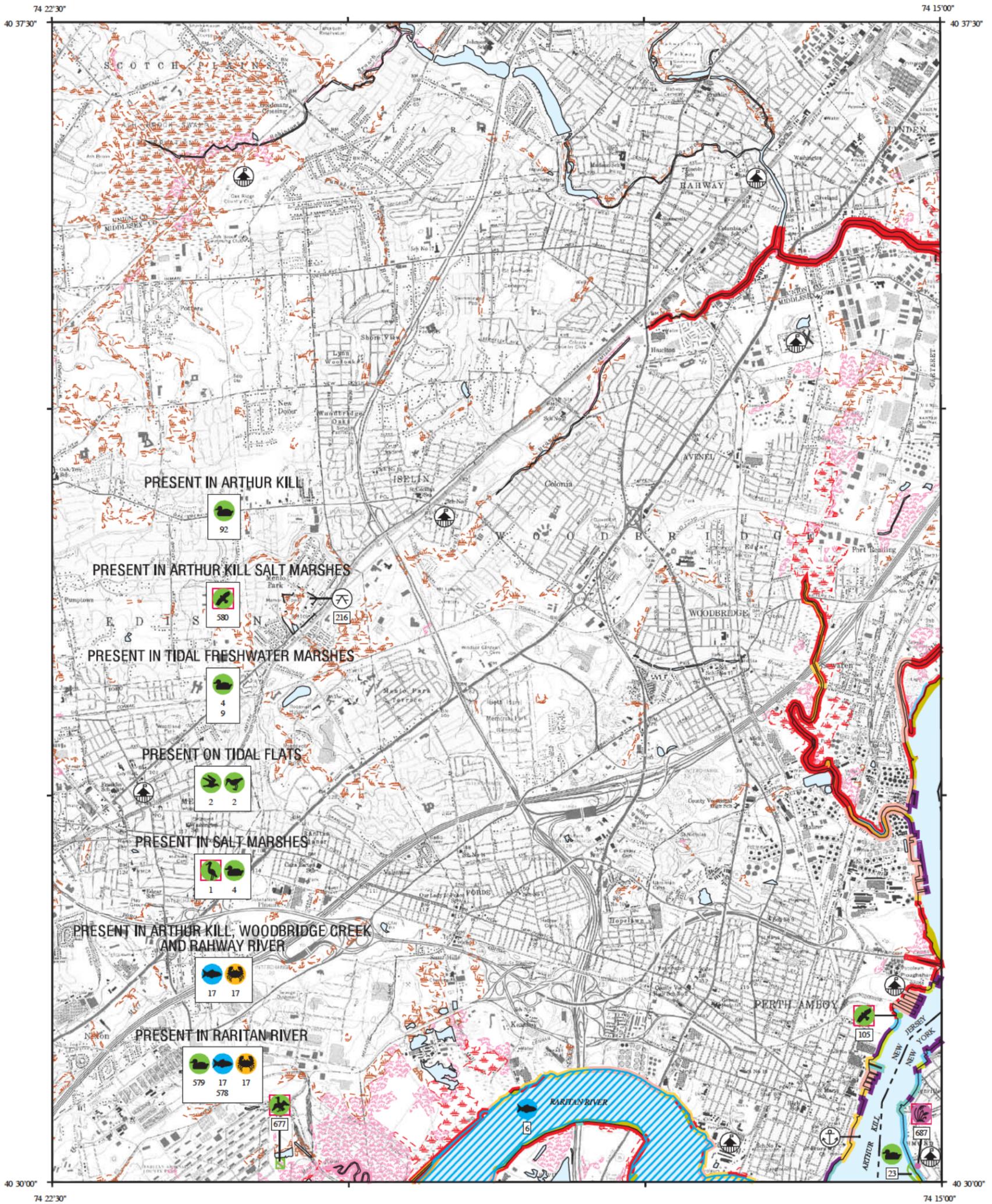


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Published: October 2001

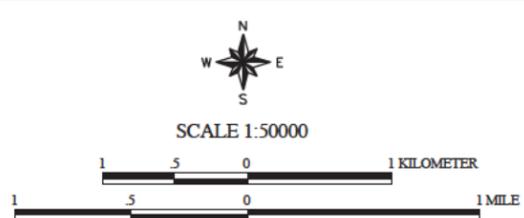
Published at Seattle, Washington  
National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Response and Restoration  
Hazardous Materials Response Division



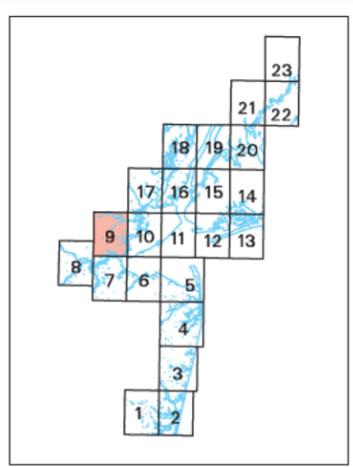
# ENVIRONMENTAL SENSITIVITY INDEX MAP



- SHORELINE HABITATS (ESI)**
- 1A EXPOSED ROCKY SHORES
  - 1B EXPOSED, SOLID MAN-MADE STRUCTURES
  - 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
  - 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
  - 3A FINE-TO MEDIUM-GRAINED SAND BEACHES
  - 4 COARSE-GRAINED SAND BEACHES
  - 5 MIXED SAND AND GRAVEL BEACHES
  - 6A GRAVEL BEACHES
  - 6B RIPRAP
  - 7 EXPOSED TIDAL FLATS
  - 8A SHELTERED ROCKY SHORES
  - 8B SHELTERED, SOLID MAN-MADE STRUCTURES
  - 8C SHELTERED RIPRAP
  - 9A SHELTERED TIDAL FLATS
  - 9B SHELTERED VEGETATED LOW BANKS
  - 10A SALT-AND BRACKISH-WATER MARSHES
  - 10B FRESHWATER MARSHES
  - 10C SWAMPES
  - 10D SCRUB-SHRUB WETLANDS

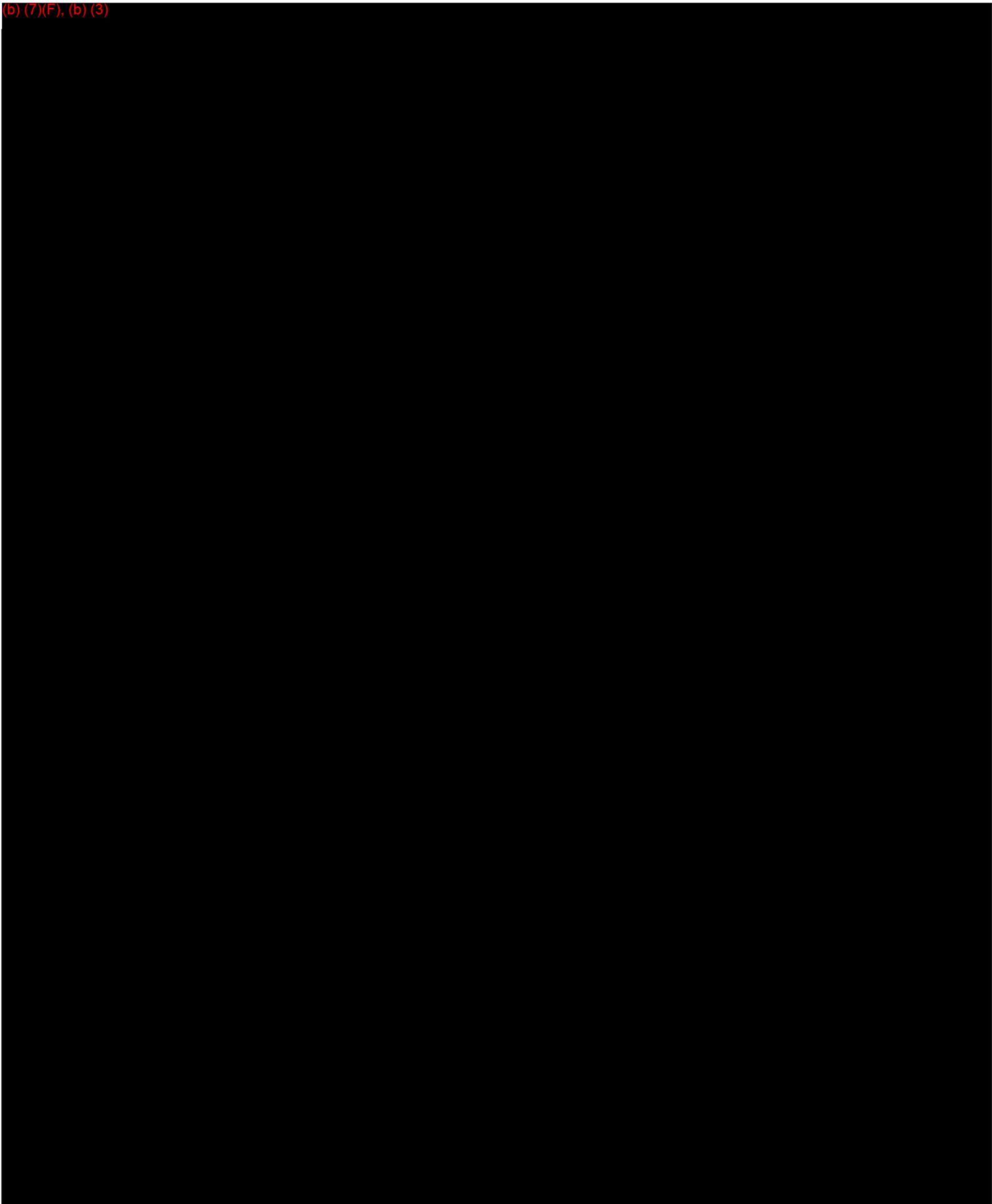


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 National Ocean Service  
 Office of Response and Restoration  
 Hazardous Materials Response Division



# ENVIRONMENTAL SENSITIVITY INDEX MAP

(b) (7)(F), (b) (3)



**SHORELINE HABITATS (ESI)**

	1A EXPOSED ROCKY SHORES
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	10B FRESHWATER MARSHES
	10C SWAMPS
	10D SCRUB-SHRUB WETLANDS

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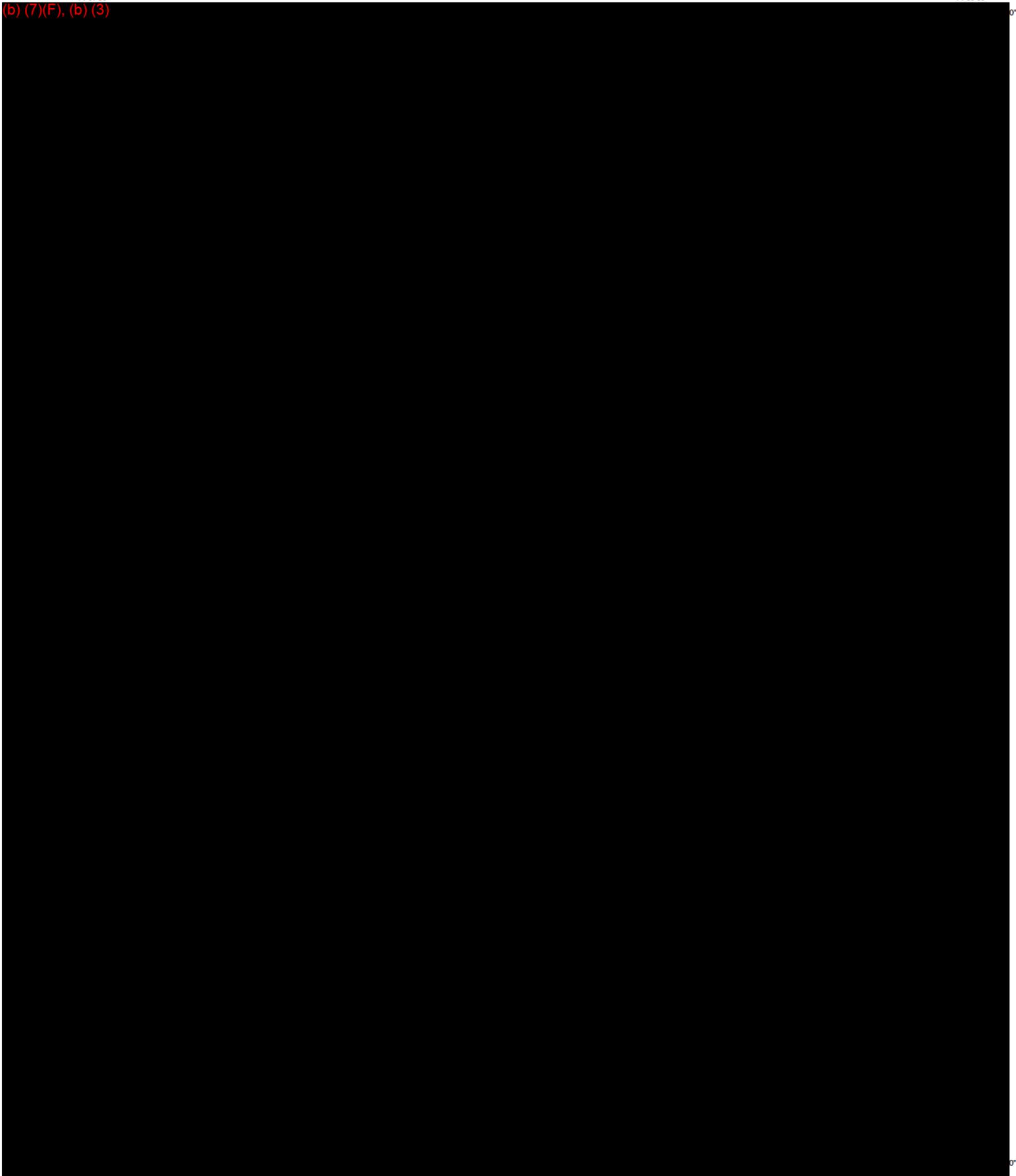
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 National Ocean Service  
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 Hazardous Materials Response Division

# ENVIRONMENTAL SENSITIVITY INDEX MAP

74 07'30"

74 00'00"

(b) (7)(F), (b) (3)



## SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
- 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
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- 10D SCRUB-SHRUB WETLANDS

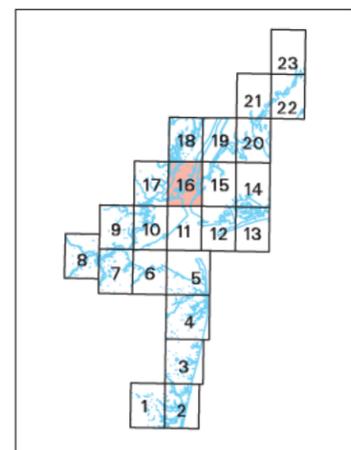


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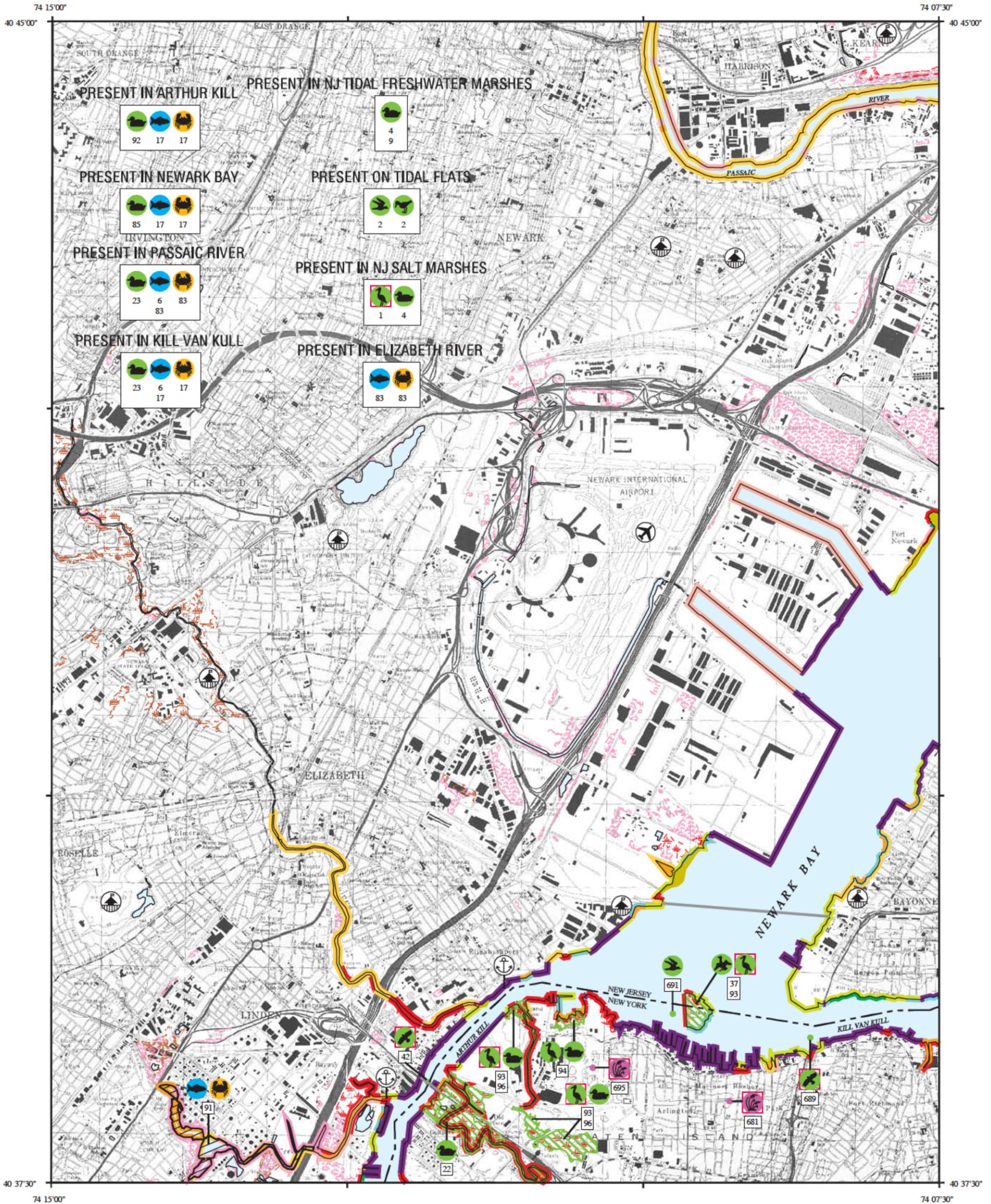


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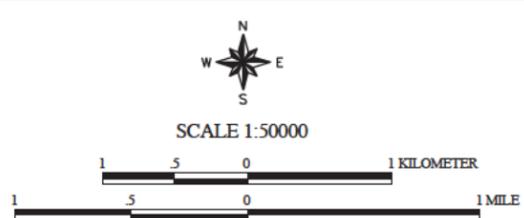
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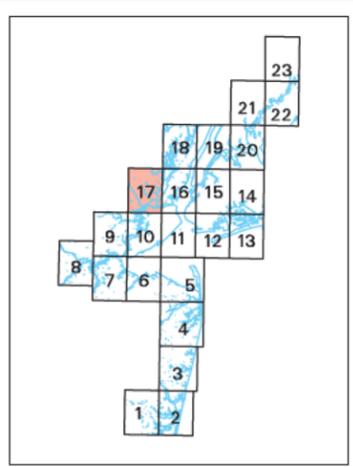
# ENVIRONMENTAL SENSITIVITY INDEX MAP



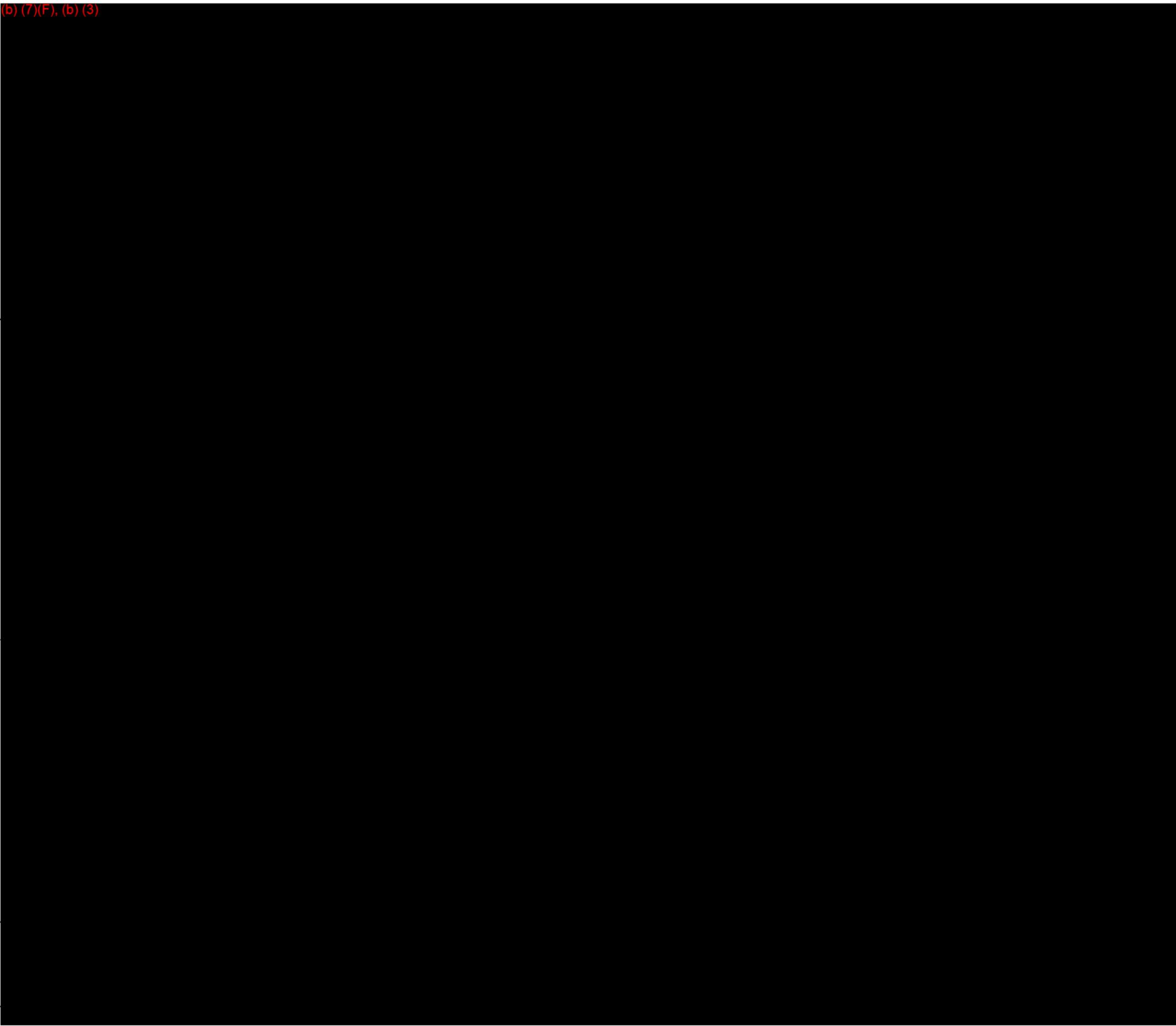
- SHORELINE HABITATS (ESI)**
- 1A EXPOSED ROCKY SHORES
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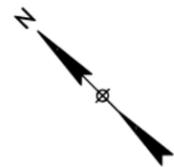
ESS BUILDINGS ON SITE.  
SHOWN.  
MIGHT CONTAIN OIL - AS SHOWN.  
ATORS. (REFER TO FRP FIGURE C-1  
)  
ZE AREAS. (REFER TO FRP FIGURE C-1  
)  
PIPELINE - AS SHOWN.



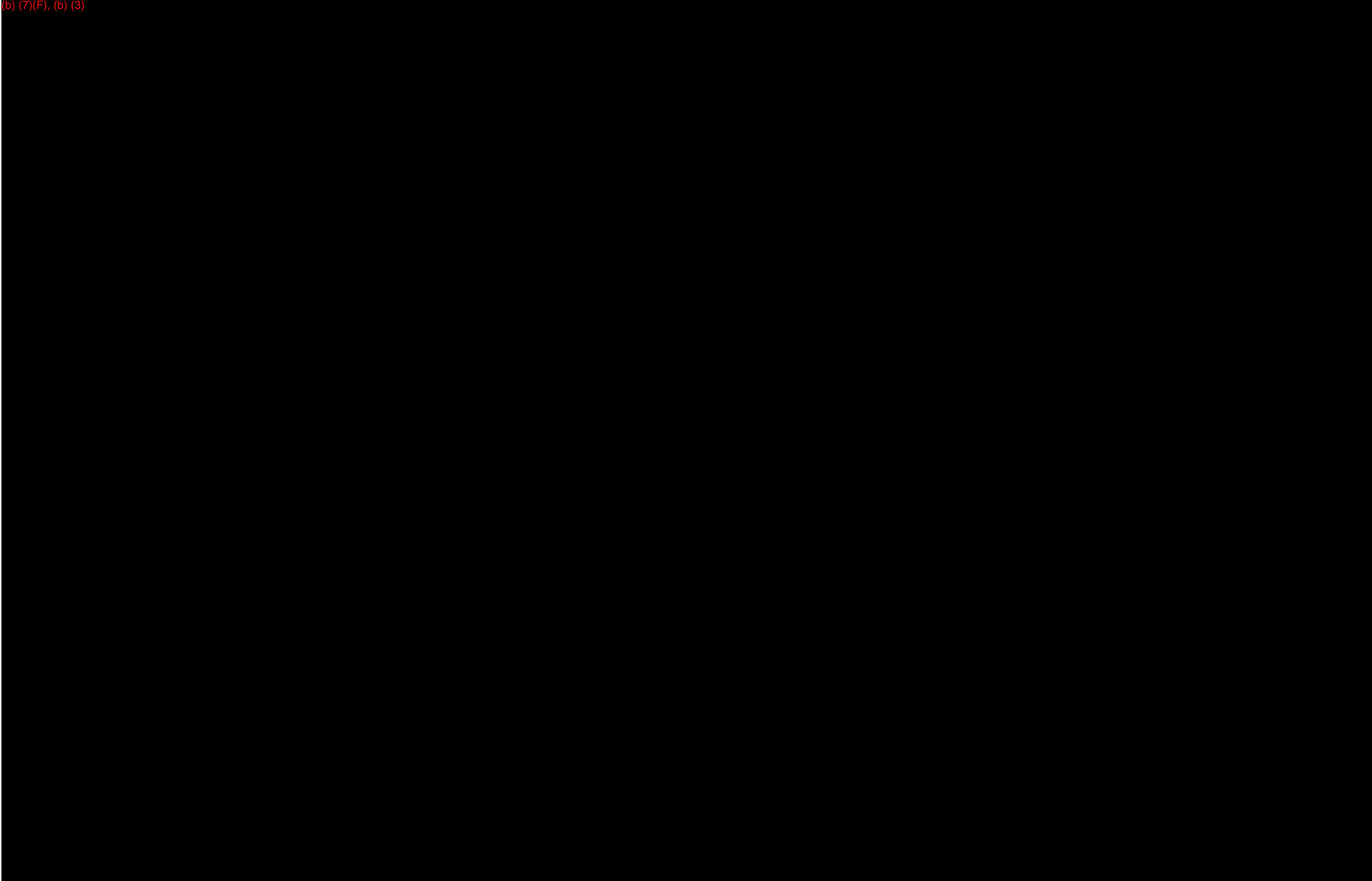
/ JERSEY TERMINAL

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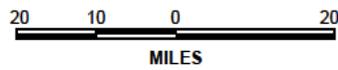
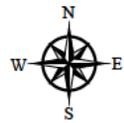
RHODE ISLAND

NEW JERSEY

ATLANTIC OCEAN

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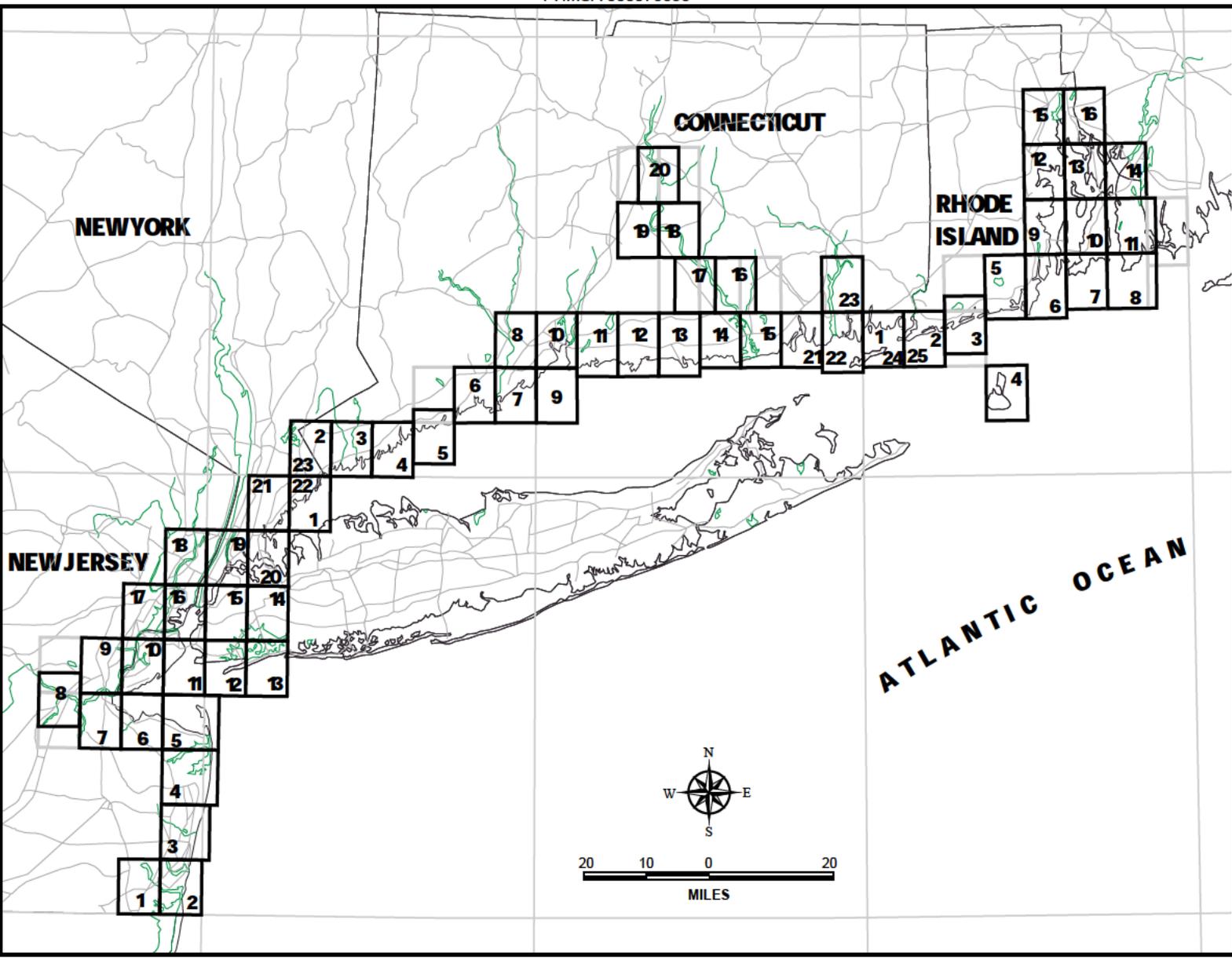
40°

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71°



# CT/NY/NJ/RI ATLAS

## Legend Files

- Connecticut Legend
- New York/New Jersey Legend
- Rhode Island Legend

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commander  
U. S. Coast Guard  
Sector New York

212 Coast Guard Drive  
Staten Island, NY 10305  
Staff: Prevention  
Phone: (718)-354-4286  
Fax: (718)-354-3900

16471  
Activity # 3100942  
FIN: KIBOF050

FEB 05 2008

Citgo Petroleum Corporation Linden  
Attn: Mr. Cecil Cambell  
4801 South Wood Ave.  
Linden, NJ 07036

Dear Sir:

My staff has completed a comprehensive review of your Facility Response Plan (FRP) submitted on November 19, 2007. Based on their recommendation, your FRP is approved in accordance with Title 33, Code of Federal Regulations, Part 154 and will remain valid until the five-year anniversary date of this letter.

I commend your efforts in developing a response plan reflecting your company's operating procedures and organizational structure. Your plan is a vital working document and implementing it will help ensure effective oil spill response and mitigation. You are reminded that your plan must be re-submitted no later than 60 days prior to the expiration date of this letter or whenever a significant change occurs at the facility that affects the plan. All re-submissions must be in accordance with 33 CFR 154 and consistent with the National Contingency Plan and the most recent Area Contingency Plan.

If you have any questions regarding your facility response plans, please contact Lieutenant Scott White at (718) 354-4286 or [scott.c.white@uscg.mil](mailto:scott.c.white@uscg.mil).

Sincerely,

A handwritten signature in black ink that reads "John J. Hillin". The signature is written in a cursive style with a long, sweeping underline.

JOHN J. HILLIN  
Chief, Safety and Security Operations Division  
Captain of the Port  
By direction

Copy: US EPA, Response and Prevention Branch-Region 2

**Greg Desmond**


---

**From:** melanie.barber@dot.gov  
**Sent:** Tuesday, August 04, 2009 9:41 AM  
**To:** Greg Desmond  
**Cc:** rmorri1@citgo.com  
**Subject:** RE: CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

The United States Department of Transportation Office of Pipeline Safety has received two electronic copies of the Facility Response Plan for the CITGO Linden Terminal, Sequence Number 1060 with the changes that I required in my July 29, 2009 electronic mail. I have reviewed and approved the Facility Response Plan Questionnaire and the Facility Response Plan for the CITGO Linden Terminal, Sequence Number 1060.

Sincerely,

Melanie M. C. Barber  
 Environmental Planning Officer  
 United States Department of Transportation  
 Office of Pipeline Safety  
 Room E22-210  
 1200 New Jersey Avenue, S.E.  
 Washington, D.C. 20590  
 Office: 202-366-4560  
 Cell: 202-384-4043

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**From:** Greg Desmond [mailto:gdesmond@trpcorp.com]  
**Sent:** Thursday, July 30, 2009 8:17 AM  
**To:** Barber, Melanie (PHMSA)  
**Cc:** rmorri1@citgo.com  
**Subject:** RE: CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

Hi Melanie,

We have made the requested changes and sent two updated CD's via Federal Express to you today for review..

Thank you,

Greg

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**From:** melanie.barber@dot.gov [mailto:melanie.barber@dot.gov]  
**Sent:** Wednesday, July 29, 2009 2:12 PM  
**To:** Greg Desmond  
**Cc:** rmorri1@citgo.com  
**Subject:** RE: CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

The United States Department of Transportation Office of Pipeline Safety has received the Facility Response Plan Questionnaire and two electronic copies of the Facility Response Plan for the CITGO Linden Terminal, Sequence Number 1060. All references to the Research and Special Programs Administration need to be changed to the Pipeline and Hazardous Materials Safety Administration. In the Conditions Requiring Revisions and Submissions Chart on Page 1-12, the Facility Response Plan for PHMSA needs to be updated when (1)

<b>A change in the Facility's configuration that materially alters the information included in the Plan.</b>	<b>x</b>	<b>X</b>
--	----------	----------

and (2)

<b>Material change in the Facility's spill prevention and response</b>		
--	--	--

8/4/2009

equipment or emergency response procedures.

x

X

Linden

Page 1 - 12

## 1.2 PLAN REVIEW AND UPDATE PROCEDURE

In accordance with 49 CFR Part 194.121 and 40 CFR 112.20, this Plan will be reviewed annually and modified to address new or different operating conditions or information included in the Plan. In the event that the Company experiences a Worst Case Discharge the effectiveness of the plan will be evaluated and updated as necessary.

Upon review of the response plan for each five-year period, revisions will be submitted to PHMSA provided that changes to the current plan are needed, or a letter stating will be submitted to PHMSA stating that the plan is still current.

If new information or different operating conditions would substantially effect implementation of the Plan, the Company will modify the Plan to address such a change and, within 30 days of making such a change, submit the change to PHMSA. EPA must receive the changes within 60 days.

Examples of changes in operating conditions that would cause a significant change to the Plan include:

CONDITIONS REQUIRING REVISIONS AND SUBMISSIONS	EPA	PHMSA
Relocation or replacement of the transportation system in a way that substantially effects the information included in the Plan, such as a change to the Worst Case Discharge volume.	x	x
<b>A change in the Facility's configuration that materially alters the information included in the Plan.</b>	<b>x</b>	<b>X</b>
A change in the type of oil handled, stored, or transferred that materially alters the required response resources.	x	x
A change in key personnel (Qualified Individuals).	x	x
Material change in capabilities of the Oil Spill Removal Organization(s) (OSROs) that provide equipment and personnel.	x	x
<b>Material change in the Facility's spill prevention and response equipment or emergency response procedures.</b>	<b>x</b>	<b>X</b>
Any other changes that materially affect the implementation of the Plan.	x	x
A change in the NCP or ACP that has significant impact on the equipment appropriate for response activities.		x

All requests for changes must be made through the Terminal Manager and will be submitted to EPA or PHMSA by the CITGO Corporate Emergency Management Program Manager. The most current version of the plan is always the electronic copy. Revisions to the site-specific information are made through the password protected maintenance interface. The date at the beginning of each Section indicates the last date that Section was revised. Any revisions made after that date need to be reprinted and inserted in to the paper copy of the plan.

Linden

Page 1 - 13

## 1.3 CERTIFICATION OF ADEQUATE RESOURCES

**CERTIFICATION****Pursuant to the Clean Water Act Section 311****(j)(5)(F)**

# CITGO Petroleum Corporation

The CITGO Petroleum Corporation, hereby certify to the **Research and Special Programs Administration** of the Department of Transportation that they have obtained, through contract or other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or a substantial threat of such a discharge.

Rex J. Prosser  
Emergency Management Program Mgr.  
Sincerely,  
Melanie M. C. Barber  
Environmental Planning Officer  
United States Department of Transportation  
Office of Pipeline Safety  
Room E22-210  
1200 New Jersey Avenue, S.E.  
Washington, D.C. 20590  
Office: 202-366-4560

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**From:** Greg Desmond [mailto:gdesmond@trpcorp.com]  
**Sent:** Wednesday, July 29, 2009 2:01 PM  
**To:** Barber, Melanie (PHMSA)  
**Cc:** rmorri1@citgo.com  
**Subject:** CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

Ms. Barber,

Attached is the requested PHMSA questionnaire for the CITGO Linden Terminal plan. Current copies of the electronic plan have been federal expressed to your office for review.

Thank you,

*Greg Desmond*  
*Senior Project Manager*  
*Technical Responses Planning Corp*  
*9720 Cypresswood Drive, Suite 340*  
*Houston, TX 77070*  
*(281) 955-9600 ext. 115 (phone)*  
*(281) 955-0369 (fax)*



1995 ✦ 2005  
10 YEARS OF EXCELLENCE

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July 29, 2009

Ms. Barber  
Response Plans Officer, Pipeline and Hazardous Material Safety  
U.S. Department of Transportation  
1200 New Jersey Avenue SE - Room E22-210  
Washington, D.C. 20590

RE: RSPA Sequence Number #1060 CITGO Petroleum Corporation Linden Response Zone

Dear Ms. Barber:

Enclosed are two CD's of the CITGO Petroleum Corporation Linden Response Zone Oil Spill Response Plan for your review and approval. Please direct all questions and correspondence to Dick Morrissey (Terminal Manager) at CITGO Petroleum Corporation 4801 South Wood Avenue Linden, NJ 07036 or (908) 523-2303.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

Federal Express



1995 ✦ 2005  
10 YEARS OF EXCELLENCE

July 30, 2009

Ms. Barber  
Response Plans Officer, Pipeline and Hazardous Material Safety  
U.S. Department of Transportation  
1200 New Jersey Avenue SE - Room E22-210  
Washington, D.C. 20590

RE: RSPA Sequence Number #1060 CITGO Petroleum Corporation Linden Response Zone

Dear Ms. Barber:

Enclosed are two CD's of the CITGO Petroleum Corporation Linden Response Zone Oil Spill Response Plan with the requested updates. Please direct all questions and correspondence to Dick Morrissey (Terminal Manager) at CITGO Petroleum Corporation 4801 South Wood Avenue Linden, NJ 07036 or (908) 523-2303.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

Federal Express





QUALITY SERVICES SINCE 1995

November 8, 2010

Ms. Barber  
Response Plans Officer, Pipeline and Hazardous Material Safety  
U.S. Department of Transportation  
1200 New Jersey Avenue SE - Room E22-210  
Washington, D.C. 20590

RE: PHMSA Sequence Number #1060 CITGO Petroleum Corporation Linden Response Zone

Dear Ms. Barber:

Enclosed are two copies of the approved CITGO Petroleum Corporation Linden Response Zone Oil Spill Response Plan with minor updates from the yearly review. Please direct all questions and correspondence to Dick Morrissey (Terminal Manager) at CITGO Petroleum Corporation 4801 South Wood Avenue Linden, NJ 07036 or 908-523-2303.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

Federal Express



QUALITY SERVICES SINCE 1995

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December 18, 2013

Office of Pipeline Safety (Attn: Response Plan Review)  
Pipeline and Hazardous Materials Safety Administration  
U.S. Department of Transportation  
PHP-5, East Building, 2<sup>nd</sup> Floor, E22-321  
1200 New Jersey Avenue, SE  
Washington, DC 20590

RE: Spill Response Plan for the CITGO Petroleum Corporation Linden Facility (PHMSA Sequence Number 1060)

Dear Facility Response Plans Officer:

Enclosed is one flash drive of the above referenced plan, as requested. If you have any questions regarding this submittal, please contact me at (281) 955-9600 ext. 115 or e-mail [gdesmond@trpcorp.com](mailto:gdesmond@trpcorp.com).

Respectfully,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

Federal Express



# CITGO Petroleum Corporation

**Ship To:**

Valid for all CITGO locations for the purchasing organization (4000)  
Terminal & Pipeline, unless the plant is specified on the line items  
below.

**Contract for Services**
**4600004249**
**Supplier:**

MILLER MARINE  
FOOT OF SOUTH WOOD AVE  
LINDEN NJ 07036

**Date:** 11/23/2004
**Contact Person:** Harvey, Deborah  
**Telephone:** 918-495-5691
**Bill To:**

P.O.Box 21188  
Tulsa, OK 74102-1188

**Note:**

Default Tulsa address unless specified  
differently on individual PO

**Supplier No:** 802708**Ship Via:**

**Terms of Delivery:** F.O.B. Destination, Freight Allowed  
**Terms of Payment:** Within 30 days Due net

**Valid from:** 11/23/2004**Valid to:** 11/23/2009**Currency:** USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
0001	1	Lot	Provide spill boom deployments and repai		
1	1	LOT	The above item contains the following services: Unplanned		
Note:			<p>Service Contract</p> <p>1. THIS CONTRACT IS HEREBY MADE BY AND BETWEEN:</p> <p>A. CITGO Petroleum Corporation Address: P. O. Box 3758 Tulsa, OK 74102</p> <p>hereafter called the "Company" and</p> <p>B. Miller Marine, Inc. Address: Pier 7 1/2 Staten Island, NY 10301</p> <p>hereafter called the "Contractor".</p> <p>The Company and Contractor may be referred to jointly or individually as a "Party".</p> <p>2. SCOPE OF WORK ("Work"): Contractor shall provide all labor,</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**
**Currency: USD**

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to provide spill boom deployments for vessels and spill boom repair as needed at various Terminal locations, directed by Company personnel, to meet regulatory requirements.</p> <p>The Company may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work.</p> <p>The Contractor may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.</p> <p>Scopes of Work will be assigned by a Work Purchase Order or Work Release, hereinafter called "Purchase Order". Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract. Purchase Orders will be prepared and issued in accordance with terms and conditions of Exhibit "C", Section 9.</p> <p>The Scope of Work will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.</p> <p>3. <b>CONTRACT DOCUMENTS:</b>            These Articles and the following are a complete and exclusive listing of Contract Documents:</p> <ol style="list-style-type: none"> <li>1) Exhibit A-1 General Terms and Conditions</li> <li>2) Exhibit B-1 Insurance and Indemnity</li> <li>3) Exhibit C Compensation</li> <li>4) Exhibit D Contractor Injury/Illness</li> </ol>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>Report</p> <p>5) Exhibit E Invoice Summary Sheet</p> <p>6) Exhibit F Contractor's Time and Material Rate Sheet</p> <p>Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein.</p> <p>4. TERM: The term of this Contract shall be effective as of November 23, 2004 through a period of time ending November 23, 2009. The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction. The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.</p> <p>Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided, that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>said notice.</p> <p>5. <b>COMPENSATION:</b>  Time and Materials Payment Description:  Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit .F. attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.</p> <p>6. <b>INVOICES:</b>  All invoices for Time and Material Work shall include an Invoice Summary Sheet similar to that set forth in Exhibit "E" hereof. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction.</p> <p>Invoices shall be submitted to the following address:  <b>INVOICES TO THE COMPANY:</b>  As indicated on individual release orders</p> <p>7. <b>AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:</b>  1) Company Authorized Representative or Project Manager: William W. Sousa, Jr.  Contractor Authorized Representative: Marilyn A. Miller</p> <p>8. <b>NOTICES:</b>  All Notices or other communications required or permitted by this Contract will be</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:</p> <p><b>TO THE COMPANY AS FOLLOWS:</b>            To the Purchasing Department            CITGO Petroleum Corporation            P. O. Box 3758            Tulsa, OK 74102-3758            Attn: Debbie Harvey</p> <p><b>TO THE CONTRACTOR AS FOLLOWS:</b>            Miller Marine, Inc.            Pier 7 1/2            Staten Island, NY 10301</p> <p>or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).</p> <p>9. <b>REPORTING REQUIREMENTS:</b>            Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by OSHA guidelines.</p> <p>10. <b>SPECIAL TERMS AND CONDITIONS:</b>            (a) Effective September 1, 1997, for services provided within the boundaries of the State of Louisiana and for services that are subject to Louisiana Law, Contractor agrees and recognizes that the Company shall be statutory Employer of all Contractor personnel assigned to provide Services under this agreement or to administration of the Services provided under this Agreement in accordance with the requirements of Louisiana Revised Statutes R. S. 1061A (3).</p>		

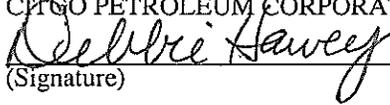


**CITGO Petroleum Corporation**

Supplier No.: 802708

**Contract for Services**  
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>ACCEPTED AND AGREED BY: "Contractor"</p> <p>Miller Marine, Inc.</p> <p> (Signature)</p> <p>Name: <u>Glen Miller</u> Title: <u>President</u> Date: <u>12/15/04</u></p> <p>"Company"</p> <p>CITGO PETROLEUM CORPORATION</p> <p> (Signature)</p> <p>Name: Debbie Harvey Title: Field Purchasing Agent Date: November 23, 2004</p>		

2005 OSRO PREP DOCUMENTATION  
MILLER'S LAUNCH, INC.  
PERSONNEL

NAME	TITLE	NAME	TITLE
AUTIN	MARINE PERSONNEL		
AYBAR	MARINE PERSONNEL	MATEUS	JOSE
BALETTI	MARINE PERSONNEL	MATOS	AMILCAR
BASURTO	MARINE PERSONNEL	MCCAHAY	RICHARD
BASURTO	MARINE PERSONNEL	MCCLOUGHLIN	JOHN
BASURTO	MARINE PERSONNEL	MEENDOZA	RAUL
BENNIS	FOREMAN	MERLO	PETE
BOGAN	MARINE PERSONNEL	MILLER	GLEN
CADAMURO	MARINE PERSONNEL	MOORE	STEPHEN
CAMERON	MARINE PERSONNEL	O'HARE	TED
CHADDEE	MARINE PERSONNEL	PALIN	JASON
CICERO	MARINE PERSONNEL	PERINA	RON
COLE	MARINE PERSONNEL	PLESCIA	JOE
CRISCI	MARINE PERSONNEL	SAMA	ANTHONY
CURCIO	FOREMAN	SARCONI	RALPH
DASKALAKIS	FOREMAN	SCHNEIDER	WILLIAM
DIGICCO	MARINE PERSONNEL	SILVA	DAVID
DUGGAN	MARINE PERSONNEL	SMITH	HAROLD
FRANCIS	MARINE PERSONNEL	SMITH	MAQUAVIAL
GARCIA	MARINE PERSONNEL	SOMES	WAYNE
GRANBERG	MARINE PERSONNEL	STEINFELD	MIKE
GRODESKA	SUPERVISOR	SULLIVAN	JOHN
HOERNING	MARINE PERSONNEL	TURI	JOSEPH
HIDE	FOREMAN	VAN BATAVIA	SVEN
KABAK	MARINE PERSONNEL	VASQUEZ	BILL
LAPERUTA	MARINE PERSONNEL	VISCONTI	
LEE	MARINE PERSONNEL		
LOMBARDI	MARINE PERSONNEL		

ALL MARINE PERSONNEL ARE 40 HOUR HAZWOPER TRAINED AND ALL FOREMAN AND SUPERVISORS ARE 48 HOUR TRAINED  
(40 + 8 HOUR SUPERVISOR TRAINED) AND HAROLD SMITH & MIKE GRODESKA ARE P.I.C. TRAINED

DATE	DRILL/SPILL	CLIENT	LOCATION	SKIMMER TYPE	QUANTITY	BOOM TYPE	QUANTITY
12/16/2004	Spill	United Oil Recovery	14th St, NYC			18" containment	100 ft.
12/20/2004	Drill	MSRC	Edison, NJ				
1/8/2005	Spill	NRC	Reinauer	MEG 3000 Disk	1	18" containment	1,000 ft.
			Barge #30	Skid Mounted	2		
1/10/2005	Spill	Reinauer	Barge #30			18" containment	1,200 ft.
1/19/2005	Spill	Neptune Marine Svs.	Marmaroneck			18" containment	200 ft.
2/10/2005	Spill	Miller Environmental	Paulsboro NJ			18" containment	2,500 ft.
2/17/2005	Drill	MSRC	NJ Responder				
2/17/2005	Spill	Conoco Phillips	Bayway Refinery				
3/21/2005	Spill	Reinauer	Fed. Terminal	Skid Mounted	1		
				MEG 3000 Disk	1		
3/24/2005	Spill	NRC	Motiva	Skid Mounted	2		
				MEG 3000 Disk	1		
4/22/2005	Boom Dplymt	D'Onofrio	Manhattan			18" containment	1,000 ft.
4/28/2005	Spill	Miller Environmental	B-35				
5/8/2005	Boom Dplymt	Shell Trading	Jill Jacob/E-8001			18" containment	1,000 ft.
5/10/2005	Drill	Miller Environmental	Sun Oil				
5/11/2005	Boom Dplymt	Mill Metals	Perth Amboy			18" containment	900 ft.
5/25/2005	Boom Dplymt	MLS USA	JFK Aircraft Carrier			18" containment	2,000 ft.
5/28/2005	Drill	MSRC	NJ Responder				
6/7/2005	Spill	Heating Oil Ptns	Bronx, NY				
6/9/2005	Spill	Arner. Petroleum Trans.	Pilot Station				
6/30/2005	Drill	Miller Environmental	Astoria, Queens				
7/11/2005	Spill	McAllister Towing	McAllister Yard, SI				
7/27/2005	Spill	NY Waterways	Yard				
7/28/2005	Drill	MSRC	NJ Responder				
7/30/2005	Spill	P&O Pass. Ship Term.	Cruise Ship Triumph				
8/3/2005	Drill	MSRC	NJ Responder				
8/3/2005	Spill	MEGUSCG	Port Newark - APM			18" containment	4400 ft.
9/22/2005	Boom Dplymt	Mill Metals	Arthur Kill Work Site			18" containment	103 ft.
9/23/2005	Boom Dplymt	Special Olympics	South St. Seaport			18" containment	1500 ft.
10/2/2005	Spill	Mediterranean Shipping	Berth 68 Maher Term			18" containment	503 ft.
10/6/2005	Drill	Miller Environmental	DBRC Drill				
10/14/2005	Spill	Getty Oil	Newtown Creek			18" containment	203 ft.
10/19/2005	Spill	ECM Maritime Svs.	Port Newark				

2005 OSRO PREP DOCUMENTATION  
MILLERS LAUNCH, INC  
EQUIPMENT

AMOUNT	DESCRIPTION	AMOUNT	DESCRIPTION
1,000 Ft.	48" Oil Containment Boom	6	Carnel - Work Platform Float
10,000 Ft.	8" Oil Containment Boom	1	Boom Trailer w/2000' 18" containment boom
1	MEG 5000 Disk Skimmer	1	Portable 2 Drum Winch
1	MEG 3000 Disk Skimmer	2	25'x3' Gangways & Browns
1	MEG 1000 Disk Skimmer	1	Portable Air Compressor
1	1/8 yd Capacity Clamshell Bucket	6	Self-Contained Breathing Apparatus
1	750 gal Skid Mount Vacuum Unit	2	Man Baskets
1	500 gal Skid Mount Vacuum Unit	11	Fenders
2	100 Barrel Portable Bladder (Sea Slug)		3 - 8'x4-1/2'
8	High Pressure Portable Steam Power Washers		4 - 6'x3-1/2'
2	4" Diesel Trash Pumps with hoses		3 - 4'x6-1/2'
3	3" Diesel Trash Pump with hoses		1 - 9'x6'
2	2" Hydraulic Transfer Pumps with hoses	1	1,000 gallon portable fuel tank (diesel or gas)
6	2" Diesel Trash Pumps with hoses		
10	1" Electric Submersible Pump		
1	5kw Diesel Portable Generator	1	5kw Gasoline Generator
1	6kw Diesel Portable Generator	1	Command Response Trailer
1	6 Ton Diesel Forklift	1	AMPD Trailer (Skimmer, 500' Boom & 100 lbi Bladder)
1	Hydraulic Power Pack - 45 gpm @ 2600 psi max	1	Spill Response Trailer (1,000' 18" Boom & sorbents)
2	Hydraulic Portable Power Pack - 12 gpm @2250	1	Air/Cascade System
2	Portable Arc Welding Machines	4	500 gallon portable storage containers
2	Cutting Torch sets		
20,000 Ft.	Assorted sorbents		
40	Portable Nextel Radios		
1	18' Cube Van with Sorbents, Jon Boat & engine		
1	40' Truck with Sorbents, Jon Boat, Engine & Hot Water High Pressure Washer		
5	4x4 Utility Trucks		
2	4x4 Diesel Mule		

2004 OSRO PREP DOCUMENTATION  
MILLER'S LAUNCH, INC.  
VESSELS

SIZE	TYPE	QUANTITY	VESSEL NAME	FUEL	HOLD CAPACITY	BOOM SCREENT	SKIMMER
110	Workboat	1	Sorenson Miller	Diesel		Yes	
100	Workboat	1	Rosemary Miller	Diesel		Yes	
72	Turboat	1	Susan Miller	Diesel		Yes	
65	Workboat	1	Samantha Miller	Diesel	3,000 gal.	Yes	
65	Workboat	1	Miller Girls	Diesel	1,500 gal.	Yes	MEG 3000
65	Workboat	1	Mark Miller	Diesel	2,400 gal.	Yes	MEG 5000
58	Turboat	1	Shawn Miller	Diesel		Yes	
56	Workboat	1	Barbara Miller	Diesel		Yes	
47	Workboat	1	Marguerite Miller	Diesel		Yes	
42	Workboat	1	Anna L. Miller	Diesel		Yes	
40	Workboat	1	Miller Boys	Diesel		Yes	
35	Workboat	1	Julia	Diesel		Yes	
33	Workboat	1	Treacy Miller	Diesel		Yes	
33	Workboat	1	Nicholas Miller	Diesel	500 fl.	Yes	
33	Workboat	1	Emily Miller	Diesel		Yes	
32	Jet Propulsion	1	Karen Miller	Diesel		Yes	
32	Workboat	1	Cecilia Miller	Diesel		Yes	
28	Workboat	1	John Miller	Diesel		Yes	
28	Workboat	1	Denna Miller	Diesel		Yes	
28	Jet Propulsion	1	Erin Miller	Diesel		Yes	
26	Workboat	1	Evan Miller	Diesel		No	
26	Workboat	1	Rachel Miller	Diesel		No	
26	Jet Propulsion	1	Rishie Miller I	Diesel		No	
25	Workboat	1	Timmy Miller	Gas		No	
25	Workboat	1	Patricia Miller	Gas		No	
25	Workboat	1	Sandy Miller	Diesel		No	
25	Workboat	1	Mary Miller	Diesel		No	
25	Workboat	1	Timothy Miller	Gas		Yes	
22	Workboat	1	Megan Miller	Gas		No	
22	Workboat	1	Carol Miller	Gas		No	
18	Tin Boats	10		Gas		No	
1-Ox30	Barge	1	Self-spunding w/85' strds				
130x30'	Barge	1	Deck Barge				
70x68'	Barge	1	Self-spunding barge				
65x22'	Barge	1	Sectional/stackable barge				
39x53'	Barge	1	40' Self Spuding w/10 ton crane				
20x50'	Barge	1	60' Self Spuding				
30x80'	Barge	1	Deck Barge				
12x25'	Barge	1	Work Barge				
8x25'	Barge	1	Work Barge				



**Don Toenshoff, Jr.**  
**Executive Vice President**

December 21, 2011

Mr. Jimmy Sanders  
 CITGO  
 1293 Eldridge Parkway  
 Houston, TX 77077

Dear Mr. Sanders:

The National Preparedness for Response Exercise Program (NPREP) Guidelines require a response plan holder to ensure that Equipment Deployment Exercise requirements are met on an annual basis. The NPREP Guidelines identify the minimum amount of equipment that must be deployed in Equipment Deployment Exercises.

This letter provides documentation to you that MSRC has completed the NPREP Equipment Deployment Exercise requirements for 2011. For purposes of Equipment Deployment Exercises under NPREP, each MSRC Region (including both the Atlantic and Gulf Areas for the Atlantic/Gulf Region) is considered a separate Oil Spill Removal Organization (OSRO). MSRC is divided into three Regions, Atlantic/Gulf (Maine – Texas, including the Mid-Continent, Puerto Rico and the U.S. Virgin Islands), California (self-explanatory) and Pacific/Northwest (Washington, Oregon and Hawaii). MSRC has deployed, at a minimum, the NPREP required amounts of each type of boom and one of each type of skimming system in the applicable regional inventory. This equipment has been deployed, if required, in each of the three types of operating environments listed in NPREP ("River & Canal", "Inland", and "Ocean"). Each of the three MSRC Regions (plus the Atlantic and Gulf Areas separately) has met these equipment deployment requirements in 2011. In addition, each Region has conducted extensive personnel training and has maintained its equipment according to a detailed preventative and corrective maintenance schedule.

MSRC has an aerial dispersant program, which is comprised of two contracted C-130 aircraft (based in Mesa, AZ and Kiln, MS) and four contracted King Air BE-90A aircraft (based in Concord, CA; Salisbury, MD; Kiln, MS; and San Juan, PR). MSRC's Dispersant Program, including all aircraft, are exercised through internal training and drills.

Documentation and records of the specific information relating to MSRC Equipment Deployment Exercises and Equipment Maintenance records are maintained in each MSRC Region. Additionally, highlights of when each MSRC Region satisfied the equipment deployment requirements are available on the MSRC website ([www.msrc.org](http://www.msrc.org)) in the Customer Access section.

Please feel free to contact the MSRC regions directly or me at (703) 326-5610 for additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Toenshoff", is written over the "Sincerely," text. The signature is fluid and cursive, with a large initial "D" and a stylized "H" at the end.

**Greg Desmond**

**From:** melanie.barber@dot.gov  
**Sent:** Wednesday, July 29, 2009 2:12 PM  
**To:** Greg Desmond  
**Cc:** rmorri1@citgo.com  
**Subject:** RE: CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

The United States Department of Transportation Office of Pipeline Safety has received the Facility Response Plan Questionnaire and two electronic copies of the Facility Response Plan for the CITGO Linden Terminal, Sequence Number 1060. All references to the Research and Special Programs Administration need to be changed to the Pipeline and Hazardous Materials Safety Administration. In the Conditions Requiring Revisions and Submissions Chart on Page 1-12, the Facility Response Plan for PHMSA needs to be updated when (1)

<b>A change in the Facility's configuration that materially alters the information included in the Plan.</b>	<b>x</b>	<b>X</b>
--	----------	----------

and (2)

<b>Material change in the Facility's spill prevention and response equipment or emergency response procedures.</b>	<b>x</b>	<b>X</b>
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**Linden**

Page 1 - 12

**1.2 PLAN REVIEW AND UPDATE PROCEDURE**

In accordance with 49 CFR Part 194.121 and 40 CFR 112.20, this Plan will be reviewed annually and modified to address new or different operating conditions or information included in the Plan. In the event that the Company experiences a Worst Case Discharge the effectiveness of the plan will be evaluated and updated as necessary.

Upon review of the response plan for each five-year period, revisions will be submitted to PHMSA provided that changes to the current plan are needed, or a letter stating will be submitted to PHMSA stating that the plan is still current.

If new information or different operating conditions would substantially effect implementation of the Plan, the Company will modify the Plan to address such a change and, within 30 days of making such a change, submit the change to PHMSA. EPA must receive the changes within 60 days.

Examples of changes in operating conditions that would cause a significant change to the Plan include:

<b>CONDITIONS REQUIRING REVISIONS AND SUBMISSIONS</b>	<b>EPA</b>	<b>PHMSA</b>
Relocation or replacement of the transportation system in a way that substantially effects the information included in the Plan, such as a change to the Worst Case Discharge volume.	x	x
<b>A change in the Facility's configuration that materially alters the information included in the Plan.</b>	<b>x</b>	<b>X</b>
A change in the type of oil handled, stored, or transferred that materially alters the required response resources.	x	x
A change in key personnel (Qualified Individuals).	x	x
Material change in capabilities of the Oil Spill Removal Organization(s) (OSROs) that provide equipment and personnel.	x	x
<b>Material change in the Facility's spill prevention and response equipment or emergency response procedures.</b>	<b>x</b>	<b>X</b>

Any other changes that materially affect the implementation of the Plan.	x	x
A change in the NCP or ACP that has significant impact on the equipment appropriate for response activities.		x

All requests for changes must be made through the Terminal Manager and will be submitted to EPA or PHMSA by the CITGO Corporate Emergency Management Program Manager. The most current version of the plan is always the electronic copy. Revisions to the site-specific information are made through the password protected maintenance interface. The date at the beginning of each Section indicates the last date that Section was revised. Any revisions made after that date need to be reprinted and inserted in to the paper copy of the plan.

**Linden**

Page 1 - 13

1.3 CERTIFICATION OF ADEQUATE RESOURCES

## CERTIFICATION

### Pursuant to the Clean Water Act Section 311

#### (j)(5)(F)

## CITGO Petroleum Corporation

The CITGO Petroleum Corporation, hereby certify to the **Research and Special Programs Administration** of the Department of Transportation that they have obtained, through contract or other approved means, the necessary private personnel and equipment to respond, to the maximum extent practicable, to a worst case discharge or a substantial threat of such a discharge.

Rex J. Prosser  
 Emergency Management Program Mgr.  
 Sincerely,  
 Melanie M. C. Barber  
 Environmental Planning Officer  
 United States Department of Transportation  
 Office of Pipeline Safety  
 Room E22-210  
 1200 New Jersey Avenue, S.E.  
 Washington, D.C. 20590  
 Office: 202-366-4560

---

**From:** Greg Desmond [mailto:gdesmond@trpcorp.com]  
**Sent:** Wednesday, July 29, 2009 2:01 PM  
**To:** Barber, Melanie (PHMSA)  
**Cc:** rmorri1@citgo.com  
**Subject:** CITGO Linden Terminal Sequence Number 1060 Facility Response Plan

Ms. Barber,

Attached is the requested PHMSA questionnaire for the CITGO Linden Terminal plan. Current copies of the electronic plan have been federal expressed to your office for review.

Thank you,

*Greg Desmond*

7/30/2009

*Senior Project Manager  
Technical Responses Planning Corp  
9720 Cypresswood Drive, Suite 340  
Houston, TX 77070  
(281) 955-9600 ext. 115 (phone)  
(281) 955-0369 (fax)*



TECHNICAL RESPONSE PLANNING  
CORPORATION

1995 ✦ 2005  
10 YEARS OF EXCELLENCE

January 8, 2007

L. E. Herrick  
Response Plans Officer (PHP-80)  
U.S. DOT Office of Pipeline Safety  
400 Seventh Street, S.W., Room 2103  
Washington, D.C. 20590

RE: RSPA Sequence Number #1060 CITGO Petroleum Corporation Linden Response Zone

Dear L. E. Herrick:

Enclosed are two copies of the CITGO Petroleum Corporation Linden Response Zone Oil Spill Response Plan for your review and approval. Please direct all questions and correspondence to Rex Prosser (Emergency Management Program Mgr.) at CITGO Petroleum Corporation 1393 Eldridge Parkway (N2109) Houston, TX 77077 or (832) 486-1663.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

GD:ac

Cc: Rex Prosser, Cecil Campbell

Federal Express

NEW YORK/NEW JERSEY ESIMAP 7

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X	X					
	Glossy ibis						X	X	X	X	X	X	X	X	X	X					
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X					
	Great egret						X	X	X	X	X	X	X	X	X	X					
	Little blue heron						X	X	X	X	X	X	X	X	X	X					
	Snowy egret						X	X	X	X	X	X	X	X	X	X					
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X						
2	Gulls					X	X	X	X	X	X	X	X	X	X	X					
	Shorebirds						X	X	X	X											
	Terns						X	X	X	X	X										
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
14	Black-capped petrel				VERY RARE	X	X	X	X												
	Common loon	NY	S	S		X	X	X	X												
	Greater scaup					X	X														
	Lesser scaup					X	X	X													
	Northern gannet					X	X	X	X												
	Red-throated loon					X	X	X	X												
23	American black duck					X	X	X													
	American wigeon					X	X	X													
	Bufflehead					X	X	X													
	Canvasback					X	X	X													
	Goldeneye					X	X	X													
	Greater scaup					X	X	X													
	Green-winged teal					X	X	X													
	Hooded merganser					X	X	X													
	Lesser scaup					X	X	X													
	Mallard					X	X	X													
	Northern shoveler					X	X	X													
	Red-breasted merganser					X	X	X													
	Ruddy duck					X	X	X													
105	Osprey	NJ	S	T			X	X	X	X	X	X	X	X	X			MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
477	American black duck				1635	X	X	X	X	X	X	X	X	X	X						
	American wigeon				40	X	X	X													
	Brant				810	X	X	X													
	Bufflehead				625	X	X	X													
	Canada goose				750	X	X	X	X	X	X	X	X	X	X						
	Canvasback				450	X	X	X													
	Common goldeneye				1225	X	X	X													
	Green-winged teal				10	X	X	X	X												
	Mallard				330	X	X	X	X	X	X	X	X	X	X						
	Mergansers				1325	X	X	X													
	Mute swan				5	X	X	X	X	X	X	X	X	X	X						
	Oldsquaw				490	X	X	X													
	Scaup				52980	X	X	X													
	Scoters				10	X	X	X													
579	American black duck				505	X	X	X	X	X	X	X	X	X	X						
	American wigeon				50	X	X	X													
	Bufflehead				85	X	X	X													
	Canada goose				26410	X	X	X	X	X	X	X	X	X	X						
	Canvasback				75	X	X	X													
	Common goldeneye				10	X	X	X													
	Gadwall				25	X	X	X	X	X	X	X	X	X	X						
	Mallard				815	X	X	X	X	X	X	X	X	X	X						
	Mergansers				635	X	X	X													
	Mute swan				2	X	X	X	X	X	X	X	X	X	X						
	Ring-necked duck				225	X	X	X													
	Scaup				20	X	X	X													
	Snow goose				60	X	X	X													
678	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X			MAR-MAY	MAR-APR		

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
5	Alewife					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
6	Alewife					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
15	American eel					X	X	X	X	X	X	X	X	X	X	X				APR-AUG	JAN-DEC	JUN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X	X				APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X	X		MAY-JUL	APR-JUL	MAY-DEC	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X		SEP-OCT	SEP-OCT			
	Black sea bass					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish																				JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X		APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Scup (porgy)																				JUN-OCT	JUN-OCT
	Silversides					X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass					X	X	X	X	X	X	X	X	X	X	X		MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Summer flounder																				JUN-OCT	MAY-OCT
	Tautog					X	X	X	X	X	X	X	X	X	X	X					APR-OCT	APR-AUG
16	Alewife					X	X	X	X									MAR-JUN	MAR-JUN	MAR-JUL	JUN-JUL	MAR-JUL
	American shad					X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-JUL	MAR-JUL	JUL-OCT	MAR-JUL
	Atlantic sturgeon																				MAY-JUN	MAY-SEP
	Blueback herring					X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-AUG	MAR-AUG	SEP-NOV	MAR-JUL
	Shortnose sturgeon	NJ	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X					JAN-DEC	JAN-DEC
	Shortnose sturgeon	NY	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X					JAN-DEC	JAN-DEC
17	American eel					X	X	X	X	X	X	X	X	X	X	X				APR-AUG	JAN-DEC	J

NEW YORK/NEW JERSEY ESIMAP 7 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting	
19	Bottlenose dolphin										X	X	X					-	-	-	-	
	Gray seal					X	X	X	X	X							X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Harbor seal					X	X	X	X	X							X	X	-	-	-	-
	Harp seal					X	X	X	X	X							X	X	-	-	-	-
	Hooded seal					X	X	X	X	X							X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-

HUMAN USE RESOURCES:

PARK:

HUN#	Name	Owner	Contact	Phone
207	CHEESEQUAKE STATE PARK			

(b) (7)(F), (b) (3)

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

**NEW YORK/NEW JERSEY ESIMAP 9**

**BIOLOGICAL RESOURCES:**

**BIRD:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis						X	X	X	X	X	X	X	X	X			-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Great egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron						X	X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X			-	-	-	-	
2	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Shorebirds						X	X	X	X	X	X	X	X	X			-	-	-	-
	Terns						X	X	X	X	X	X	X	X	X			-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
23	American black duck					X	X	X										-	-	-	-
	American wigeon					X	X	X										-	-	-	-
	Bufflehead					X	X	X										-	-	-	-
	Canvasback					X	X	X										-	-	-	-
	Goldeneye					X	X	X										-	-	-	-
	Greater scaup					X	X	X										-	-	-	-
	Green-winged teal					X	X	X										-	-	-	-
	Hooded merganser					X	X	X										-	-	-	-
	Lesser scaup					X	X	X										-	-	-	-
	Mallard					X	X	X										-	-	-	-
	Northern shoveler					X	X	X										-	-	-	-
	Red-breasted merganser					X	X	X										-	-	-	-
	Ruddy duck					X	X	X										-	-	-	-
92	American black duck				240	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				20	X	X	X										-	-	-	-
	Brant				65	X	X	X	X									-	-	-	-
	Bufflehead				50	X	X	X	X									-	-	-	-
	Canada goose				475	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Canvasback				200	X	X	X										-	-	-	-
	Common goldeneye				10	X	X	X										-	-	-	-
	Gadwall				147	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Green-winged teal					X	X	X										-	-	-	-
	Mallard				200	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mergansers				115	X	X	X	X									-	-	-	-
	Mute swan				3	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Northern shoveler					X	X	X										-	-	-	-
	Ruddy duck					X	X	X										-	-	-	-
	Scaup				100	X	X	X										-	-	-	-
	Wood duck					X	X	X										-	-	-	-
105	Osprey	NJ	S	T			X	X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
579	American black duck				505	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				50	X	X	X										-	-	-	-
	Bufflehead				85	X	X	X	X									-	-	-	-
	Canada goose				26410	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Canvasback				75	X	X	X										-	-	-	-
	Common goldeneye				10	X	X	X										-	-	-	-
	Gadwall				25	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mallard				815	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mergansers				635	X	X	X	X									-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Ring-necked duck				225	X	X	X	X									-	-	-	-
	Scaup				20	X	X	X										-	-	-	-
	Snow goose				60	X	X	X	X									-	-	-	-
580	American kestrel						X	X	X									-	-	-	-
	Northern harrier	NJ	S	E		X	X	X	X	X	X	X	X	X	X			NOV-FEB	MAR-APR	MAY-MAY	JUN-JUN
	Northern harrier	NY	S	T		X	X	X	X	X	X	X	X	X	X			NOV-FEB	MAR-APR	MAY-MAY	JUN-JUN
	Red-tailed hawk					X	X	X	X	X	X	X	X	X	X			MAY-JUL	-	-	-
677	Pied-billed grebe	NJ	S	E		X	X	X	X	X	X	X	X	X	X			APR-JUL	-	-	-
	Pied-billed grebe	NY	S	T		X	X	X	X	X	X	X	X	X	X			APR-JUL	-	-	-

**FISH:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
6	Alewife						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
17	American eel					X	X	X	X	X	X	X	X	X	X			-	-	APR-AUG	JAN-DEC	JUN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X			MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish						X	X	X	X	X	X	X	X	X			-	-	-	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X			MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass						X	X	X	X	X	X	X	X	X			MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish						X	X	X	X	X	X	X	X	X			MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder					X	X	X	X	X	X	X	X	X	X			DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
578	American shad						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-DEC	MAR-JUN

**HABITAT:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
687	Endangered plant			E		X	X	X	X	X	X	X	X	X	X	X	X

**INVERTEBRATE:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X			-	-	-	MAY-NOV	JAN-DEC

**HUMAN USE RESOURCES:**

**PARK:**

HUN#	Name	Owner	Contact	Phone
216	EDISON STATE PARK			

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

## NEW YORK/NEW JERSEY ESIMAP 10

## BIOLOGICAL RESOURCES:

## BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis							X	X	X	X	X	X					-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Great egret							X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron							X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret							X	X	X	X	X						-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						-	-	-	-
2	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Shorebirds							X	X	X	X							-	-	-	-
	Terns							X	X	X	X	X						-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
10	Shorebirds							X	X	X								-	-	-	-
11	Shorebirds							X	X					X	X	X		-	-	-	-
	Wading birds							X	X	X	X	X						MAY-AUG	-	-	-
12	Wading birds							X	X	X	X	X						MAY-SEP	-	-	-
	Waterfowl					X	X	X						X	X	X		-	-	-	-
14	Black-capped petrel				VERY RARE	X	X	X	X					X	X	X		-	-	-	-
	Common loon	NY	S	S		X	X	X	X					X	X	X		-	-	-	-
	Greater scaup					X	X							X				-	-	-	-
	Lesser scaup					X	X	X						X	X			-	-	-	-
	Northern gannet					X	X	X	X					X	X			-	-	-	-
	Red-throated loon					X	X	X	X					X	X	X		-	-	-	-
22	American black duck					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
	Brant					X	X	X						X	X	X		-	-	-	-
	Canada goose					X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	-	-	-
	Hooded merganser					X	X	X						X	X	X		-	-	-	-
	Mallard					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
	Mute swan					X	X	X						X	X	X		-	-	-	-
	Oldsquaw					X	X	X						X	X	X		-	-	-	-
	Red-breasted merganser					X	X	X						X	X	X		-	-	-	-
	Ruddy duck					X	X	X						X	X	X		-	-	-	-
	Snow goose					X	X	X						X	X	X		-	-	-	-
	Waterfowl					X	X	X						X	X	X		-	-	-	-
23	American black duck					X	X	X						X	X	X		-	-	-	-
	American wigeon					X	X	X						X	X	X		-	-	-	-
	Bufflehead					X	X	X						X	X	X		-	-	-	-
	Canvasback					X	X	X						X	X	X		-	-	-	-
	Goldeneye					X	X	X						X	X	X		-	-	-	-
	Greater scaup					X	X	X						X	X	X		-	-	-	-
	Green-winged teal					X	X	X						X	X	X		-	-	-	-
	Hooded merganser					X	X	X						X	X	X		-	-	-	-
	Lesser scaup					X	X	X						X	X	X		-	-	-	-
	Mallard					X	X	X						X	X	X		-	-	-	-
	Northern shoveler					X	X	X						X	X	X		-	-	-	-
	Red-breasted merganser					X	X	X						X	X	X		-	-	-	-
	Ruddy duck					X	X	X						X	X	X		-	-	-	-
25	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Cattle egret							X	X	X	X	X						MAY-AUG	-	-	-
	Glossy ibis							X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great blue heron					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great egret					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Green heron							X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Herring gull					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Little blue heron							X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Red-tailed hawk					X	X	X	X	X	X	X	X	X	X			MAY-JUL	-	-	-
	Shorebirds							X	X	X	X							-	-	-	-
	Snowy egret							X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Terns							X	X	X	X	X						-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
26	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X					-	-	-	-
	Glossy ibis							X	X	X	X	X						-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Great egret					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron							X	X	X	X	X	X					-	-	-	-
	Snowy egret							X	X	X	X	X						-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						-	-	-	-
28	American black duck					X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X					APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Brant					X	X	X						X	X	X		-	-	-	-
	Canada goose					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Common barn owl					X	X	X	X	X	X	X	X					-	-	-	-
	Glossy ibis							X	X	X	X							APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great blue heron					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great egret					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Herring gull					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Hooded merganser					X	X	X						X	X	X		-	-	-	-
	Little blue heron							X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Mallard					X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Mute swan					X	X	X						X	X	X		-	-	-	-
	Oldsquaw					X	X	X						X	X	X		-	-	-	-
	Red-breasted merganser					X	X	X						X	X	X		-	-	-	-
	R																				

NEW YORK/NEW JERSEY ESIMAP 10 (cont.)

BIOLOGICAL RESOURCES: (cont.)

BIRD: (cont.)

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
30	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
31	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Common barn owl					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Red-tailed hawk					X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	-	-	-
32	Black-crowned night-heron	NJ	S	T							X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Clapper rail										X	X	X	X	X	X	X	APR-JUN	MAY-JUN	JUN-JUL	JUL-AUG
	Glossy ibis										X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great egret					X	X	X	X	X	X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Gulls					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Little blue heron										X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Shorebirds										X	X	X	X	X	X	X	-	-	-	-
	Snowy egret										X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Spotted sandpiper										X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUN-JUL	AUG-AUG
	Terns										X	X	X	X	X	X	X	-	-	-	-
	Virginia rail				UNCOMMON						X	X	X	X	X	X	X	APR-JUN	MAY-JUN	JUL-JUL	AUG-AUG
	Yellow-crowned night-heron	NJ	S	T							X	X	X	X	X	X	X	APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
33	American coot					X	X	X							X	X	X	-	-	-	-
92	American black duck				240	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	American wigeon				20	X	X	X						X	X	X	X	-	-	-	-
	Brant				65	X	X	X	X					X	X	X	X	-	-	-	-
	Bufflehead				50	X	X	X	X					X	X	X	X	-	-	-	-
	Canada goose				475	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Canvasback				200	X	X	X						X	X	X	X	-	-	-	-
	Common goldeneye				10	X	X	X						X	X	X	X	-	-	-	-
	Gadwall				147	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Green-winged teal					X	X	X						X	X	X	X	-	-	-	-
	Mallard				200	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Mergansers				115	X	X	X	X					X	X	X	X	-	-	-	-
	Mute swan				3	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Northern shoveler					X	X	X						X	X	X	X	-	-	-	-
	Ruddy duck					X	X	X						X	X	X	X	-	-	-	-
	Scaup				100	X	X	X						X	X	X	X	-	-	-	-
	Wood duck					X	X	X						X	X	X	X	-	-	-	-
658	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-AUG	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Wading birds										X	X	X	X	X	X	X	MAY-SEP	-	-	-
659	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-AUG	-	-	-
	Rare wading bird										X	X	X	X	X	X	X	MAY-SEP	-	-	-
661	Threatened diving bird			T							X	X	X	X	X	X	X	MAY-SEP	-	-	-
	Threatened wading bird			T							X	X	X	X	X	X	X	MAY-SEP	-	-	-
689	Endangered raptor			E		X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	-	-	-

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
15	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-AUG	JAN-DEC	JUN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL	APR-JUL	MAY-DEC	JAN-DEC	JAN-DEC
	Bay anchovy																	SEP-OCT	SEP-OCT	-	-	-
	Black sea bass										X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Killifish										X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Scup (porgy)										X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides										X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Striped bass										X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Summer flounder										X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Tautog										X	X	X	X	X	X	X	-	-	-	JUN-OCT	MAY-OCT
											X	X	X	X	X	X	X	-	-	-	APR-OCT	APR-AUG
16	Alewife										X	X	X	X	X	X	X	MAR-JUN	MAR-JUN	MAR-JUL	JUN-JUL	MAR-JUL
	American shad										X	X	X	X	X	X	X	MAR-JUN	MAR-JUN	MAR-JUL	JUL-OCT	MAR-JUL
	Atlantic sturgeon										X	X	X	X	X	X	X	-	-	-	MAY-JUN	MAY-SEP
	Blueback herring										X	X	X	X	X	X	X	MAR-JUN	MAR-AUG	MAR-AUG	SEP-NOV	MAR-JUL
	Shortnose sturgeon										X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Shortnose sturgeon	NJ	S/F	E/E							X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
		NY	S/F	E/E							X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
17	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-AUG	JAN-DEC	JUN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass										X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish										X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
18	Weakfish				HIGH						X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder				HIGH	X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY

HABITAT:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
648	Rare plant					X	X	X	X	X	X	X	X	X	X	X	X
671	Rare community					X	X	X	X	X	X	X	X	X	X	X	X
	Rare plant				X	X	X	X	X	X	X	X	X	X	X	X	X
680	Rare community					X	X	X	X</								

NEW YORK/NEW JERSEY ESIMAP 10 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting	
19	Bottlenose dolphin										X	X	X					-	-	-	-	
	Gray seal					X	X	X	X	X							X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Harbor seal					X	X	X	X	X							X	X	-	-	-	-
	Harp seal					X	X	X	X	X							X	X	-	-	-	-
	Hooded seal					X	X	X	X	X							X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-
25	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
27	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
29	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
30	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
696	Rare reptile/amphibian					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
697	Endangered reptile/amphibian			E		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

HUMAN USE RESOURCES:

PARK:

HUN#	Name	Owner	Contact	Phone
195	BAYSWATER POINT			
223	GATEWAY NRA			

(b) (7)(F), (b) (3)

[Redacted information]

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

NEW YORK/NEW JERSEY ESIMAP 16

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis						X	X	X	X	X	X						-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Great egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron						X	X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret						X	X	X	X	X							-	-	-	-
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X							-	-	-	-
2	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Shorebirds						X	X	X	X								-	-	-	-
	Terns						X	X	X	X	X							-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
23	American black duck					X	X	X							X	X	X	-	-	-	-
	American wigeon					X	X	X							X	X	X	-	-	-	-
	Bufflehead					X	X	X							X	X	X	-	-	-	-
	Canvasback					X	X	X							X	X	X	-	-	-	-
	Goldeneye					X	X	X							X	X	X	-	-	-	-
	Greater scaup					X	X	X							X	X	X	-	-	-	-
	Green-winged teal					X	X	X							X	X	X	-	-	-	-
	Hooded merganser					X	X	X							X	X	X	-	-	-	-
	Lesser scaup					X	X	X							X	X	X	-	-	-	-
	Mallard					X	X	X							X	X	X	-	-	-	-
	Northern shoveler					X	X	X							X	X	X	-	-	-	-
	Red-breasted merganser					X	X	X							X	X	X	-	-	-	-
	Ruddy duck					X	X	X							X	X	X	-	-	-	-
38	Peregrine falcon	NJ	S	E				X	X	X	X							APR-JUL	-	-	-
	Peregrine falcon	NY	S	E				X	X	X	X							APR-JUL	-	-	-
82	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X						-	-	-	-
85	American black duck				135	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				50	X	X	X							X	X	X	-	-	-	-
	Brant				125	X	X	X	X						X	X	X	-	-	-	-
	Bufflehead				60	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				660	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				310	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				18	X	X	X							X	X		-	-	-	-
	Gadwall				50	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mallard				340	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				55	X	X	X	X						X	X	X	-	-	-	-
	Ring-necked duck				35	X	X	X	X						X	X	X	-	-	-	-
	Ruddy duck				30	X	X	X	X						X	X	X	-	-	-	-
	Scaup				6050	X	X	X							X	X	X	-	-	-	-
86	American black duck				290	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				195	X	X	X							X	X	X	-	-	-	-
	Brant				200	X	X	X	X						X	X	X	-	-	-	-
	Bufflehead				90	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				785	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				1215	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				45	X	X	X							X	X		-	-	-	-
	Gadwall				75	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mallard				391	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				130	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Oldsquaw				35	X	X	X	X						X	X	X	-	-	-	-
	Redhead				5	X	X	X							X	X	X	-	-	-	-
	Ruddy duck				185	X	X	X	X						X	X	X	-	-	-	-
	Scaup				2000	X	X	X							X	X	X	-	-	-	-
87	American black duck				665	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				410	X	X	X							X	X	X	-	-	-	-
	Bufflehead				70	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				1975	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				505	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				175	X	X	X							X	X		-	-	-	-
	Gadwall				200	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Green-winged teal				800	X	X	X	X						X	X	X	-	-	-	-
	Mallard				865	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				820	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Northern pintail				100	X	X	X							X	X	X	-	-	-	-
	Ruddy duck				95	X	X	X							X	X	X	-	-	-	-
	Scaup				400	X	X	X							X	X	X	-	-	-	-
89	Shorebirds						X	X	X	X								-	-	-	-
90	Endangered shorebird				E	X	X	X	X	X	X							APR-AUG	MAY-JUN	MAY-JUN	JUN-AUG
689	Endangered raptor				E	X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
700	Threatened diving bird				T	X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
6	Alewife						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
15	American eel					X	X	X	X	X	X	X	X	X	X			-	-	APR-AUG	JAN-DEC	JUN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X			-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X			MAY-JUL	APR-JUL	MAY-DEC	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X			MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Black sea bass						X	X	X	X	X	X						-	-	-	APR-NOV	APR-

**NEW YORK/NEW JERSEY ESIMAP 16 (cont.)**

**BIOLOGICAL RESOURCES: (cont.)**

**FISH: (cont.)**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
79	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL SEP-OCT	APR-JUL SEP-OCT	MAY-DEC	JAN-DEC	JAN-DEC
	Black sea bass							X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Bluefish								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Scup (porgy)								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Striped bass							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Summer flounder							X	X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	MAY-OCT
	Tautog							X	X	X	X	X	X	X	X	X	X	-	-	-	APR-OCT	APR-AUG
	Weakfish							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
83	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAY
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAR
84	Striped bass					X	X	X										-	-	-	OCT-MAR	-

**HABITAT:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
648	Rare plant					X	X	X	X	X	X	X	X	X	X	X	X
680	Rare community					X	X	X	X	X	X	X	X	X	X	X	X

**INVERTEBRATE:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
21	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
79	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
80	American lobster				HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
83	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
89	Horseshoe crab					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	MAY-JUL	MAY-JUL	JAN-DEC	APR-JUL
700	Eastern oyster					X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	JAN-DEC	JAN-DEC
	Northern quahog (hard clam)				MOD/ABUND	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	JAN-DEC	JAN-DEC

**MARINE MAMMAL:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting	
19	Bottlenose dolphin										X	X	X					-	-	-	-	
	Gray seal					X	X	X	X	X							X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Harbor seal					X	X	X	X								X	X	-	-	-	-
	Harp seal					X	X	X	X								X	X	-	-	-	-
	Hooded seal					X	X	X	X								X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
81	Fin whale	NJ	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Fin whale	NY	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Humpback whale	NJ	S/F	E/E				X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Humpback whale	NY	S/F	E/E				X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Saddle-backed dolphin										X	X	X					-	-	-	-	
	Seals					X	X	X	X									-	-	-	-	

**REPTILE:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-
81	Leatherback sea turtle	NJ	S/F	E/E									X	X	X			-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X			-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X			-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X			-	-	-	-	-

**HUMAN USE RESOURCES:**

**NATIONAL PARK:**

HUN#	Name	Owner	Contact	Phone
192	STATUE OF LIBERTY NATIONAL MONUMENT			

**PARK:**

HUN#	Name	Owner	Contact	Phone
236	LIBERTY STATE PARK			

(b) (7)(F), (b) (3)

[Redacted contact information]

212/435-7000

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.



NEW YORK/NEW JERSEY ESIMAP 17 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
83	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X	X			-	-	JUN-OCT	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X					MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAY
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
91	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X				-	-	JUN-OCT	JUN-OCT	-
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X					MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

HABITAT:

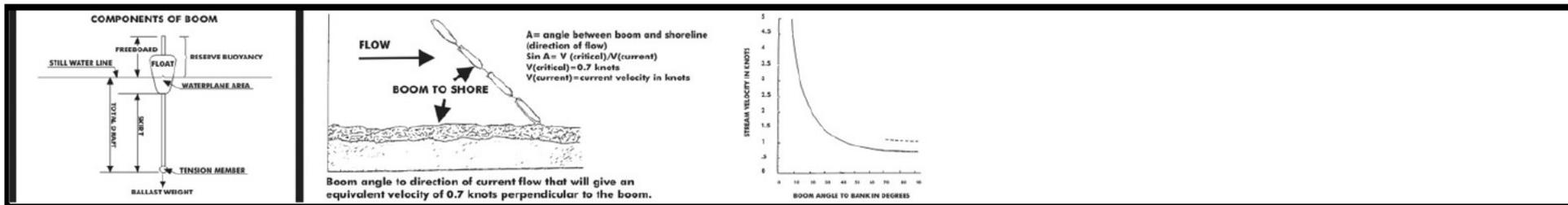
RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
681	Threatened plant			T		X	X	X	X	X	X	X	X	X	X	X	X
695	Threatened plant			T		X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
83	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
91	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC

=====

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.





Linden



**RESPONSE STRATEGY**

Site Name Site 10  
 Site Location/ACP Key A-26  
 Waterbody/Type Arthur Kill  
 Municipality Woodbridge  
 (b) (7)(F), (b) (3)

Size/Width Approximately 600 feet across the creek  
 Distance From Facility Tidal creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal creek

**HAZARDS**

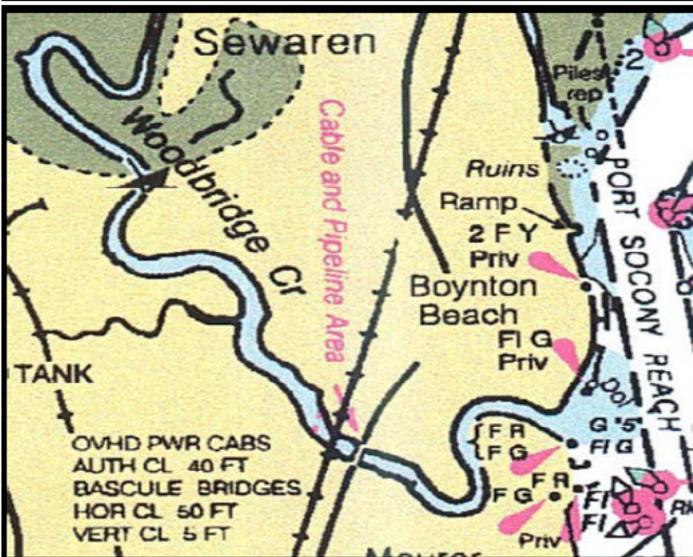
**LAND USE/OWNER**  
 The site is surrounded by commercial and industrial development.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the north and southern shorelines of the creek.

**RESPONSE TACTIC**  
 Protective booming. Approximately 800 feet of harbor boom should be deployed across the creek mouth. A minimum of nine (9) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: December 14, 2006



**LEGEND**      Origin      ●      Destination      ●

**DRIVING DIRECTIONS**

©Copyright Technical Response Planning Corporation 2005

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)



Linden

**RESPONSE STRATEGY**

Site Name Site 11  
 Site Location/ACP Key A-63  
 Waterbody/Type Arthur Kill  
 Municipality Staten Island  
 (b) (7)(F), (b) (3)

Size/Width Approximately 900 feet across the marsh  
 Distance From Facility Tidal Creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal Creek

**HAZARDS**

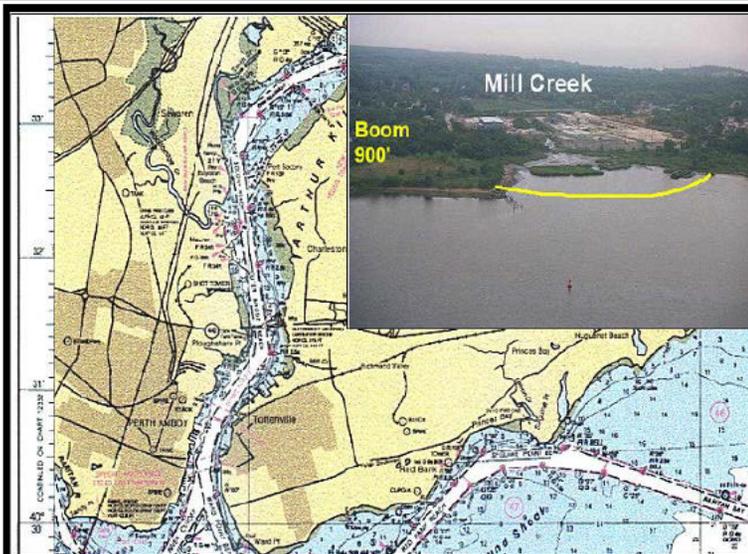
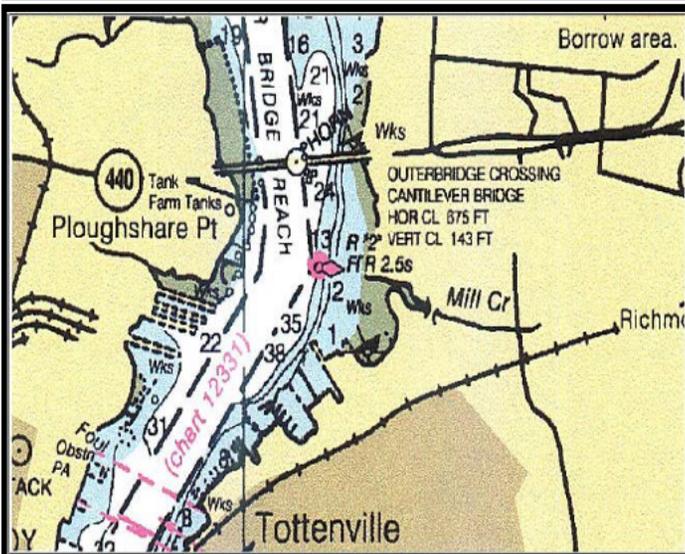
**LAND USE/OWNER**  
 The surrounding area supports residential and commercial development.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the shoreline on Staten Island.

**RESPONSE TACTIC**  
 Protective and deflection booming. Approximately 1,000 feet of harbor boom should be deployed across the entrance to the creek. A minimum of eleven (11) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: August 11, 2010



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

©Copyright Technical Response Planning Corporation 2005

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)















Linden

**RESPONSE STRATEGY**

Site Name Site 4

Site Location/ACP Key A-21

Waterbody/Type Arthur Kill

Municipality Linden

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**

Arthur Kill; North west Staten Island

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

**LAND USE/OWNER**

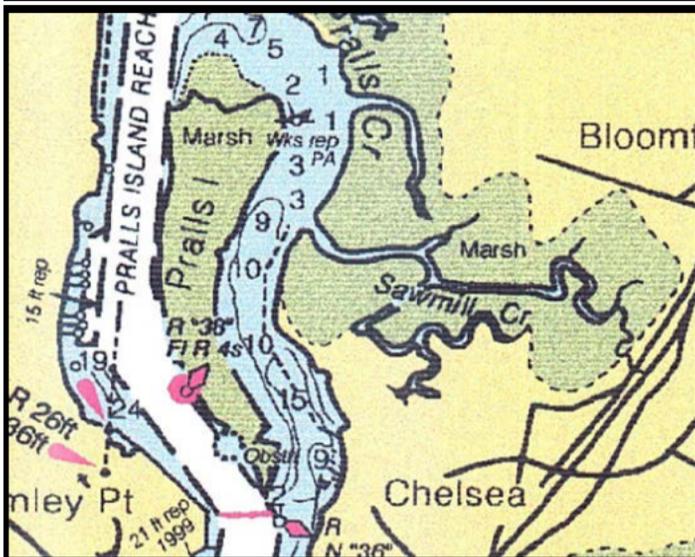
**CRITICAL RESPONSE INFORMATION**

Staging Area: ST Linden Terminal (908) 862 5740

**RESPONSE TACTIC**

Deploy 7200 ft. protection and or deflection boom at Pralls Island

Date Last Revised: August 18, 2010



**LEGEND** Origin ● Destination ●

**DRIVING DIRECTIONS**

©Copyright Technical Response Planning Corporation 2005

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
8000 ft	Containment Boom
2	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
2	Boat Operator(s)
7	Technician(s)







Linden

**RESPONSE STRATEGY**

Site Name Site 7

Site Location/ACP Key W-3

Waterbody/Type Arthur Kill

Municipality Linden

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**

Arthur Kill/ Western Staten Island across from the Rahway River Outlet north of Little Fresh Kills south of Neck Creek; 4401 Victory Blvd, SI.

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

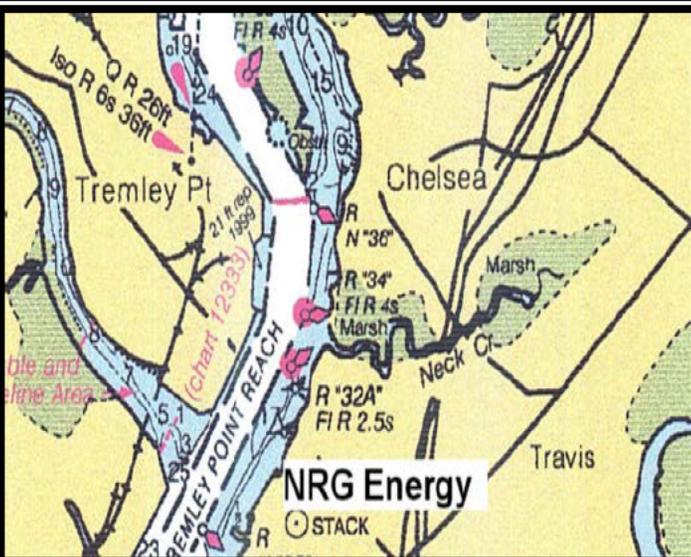
**LAND USE/OWNER**

**CRITICAL RESPONSE INFORMATION**

**RESPONSE TACTIC**

Deploy 2000 ft. protection and or deflection boom at NRG

Date Last Revised: August 20, 2010



**LEGEND**      Origin      ●      Destination      ●

**DRIVING DIRECTIONS**

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**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
2000 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
1	Boat Operator(s)
2	Technician(s)



Linden

**RESPONSE STRATEGY**

Site Name Site 8  
 Site Location/ACP Key A-66  
 Waterbody/Type Arthur Kill and Fresh Kill Channel

Municipality Linden  
 (b) (7)(F), (b) (3)

Size/Width  
 Distance From Facility  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Western Staten Island at confluence of Arthur Kill and Fresh Kill Channel

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

**LAND USE/OWNER**

**CRITICAL RESPONSE INFORMATION**  
 Staging Area: Amoco Marine Oil Terminal (908) 541-5131

**RESPONSE TACTIC**  
 Deploy 2500 ft. protection and or deflection boom Island of Meadows

Date Last Revised: August 20, 2010



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
2500 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
1	Boat Operator(s)
2	Technician(s)



Linden



**RESPONSE STRATEGY**

Site Name Site 9  
 Site Location/ACP Key A-25  
 Waterbody/Type Arthur Kill  
 Municipality Woodbridge  
 (b) (7)(F), (b) (3)

Size/Width Approximately 400 feet across the creek  
 Distance From Facility Tidal Creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal creek, marina and shoreline.

**HAZARDS**

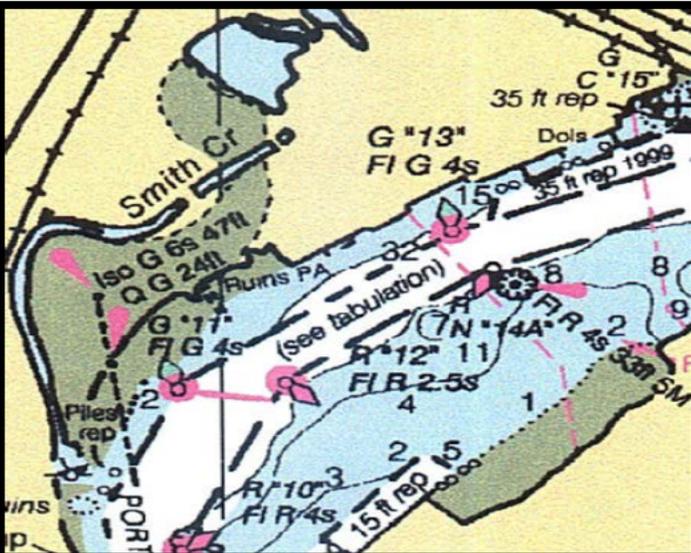
**LAND USE/OWNER**  
 The site contains a marina and residential development to the south and is undeveloped to the north.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the south shoreline through the marina.

**RESPONSE TACTIC**  
 Protective and deflection booming. Approximately 800 feet of harbor boom should be deployed along the north shore and an additional 400 feet deployed across the creek. A minimum of sixteen (16) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: December 14, 2006



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)

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	0	REVISED PER FIELD MARK-UPS FOR SPCC PLAN	CWR	11/20/06	FIELD	11/20/06			CWR	11/20/06			22x34 = FULL SIZE PRINT 11x17 = HALF SIZE PRINT
	5	REVISED FOR ANNUAL ISSUE (2006) - NO CHANGES REPORTED	HH	5/18/06	KK	5/18/06			KING	5/18/06			SCALE: 1" = 200'
	4	REVISED PER FIELD MARK-UPS FOR SPCC PLAN	HH	9/18/05	CWR	9/19/05			KING	9/20/05			DRAWN BY: NW 11/6/02
	3	REVISED FOR ANNUAL ISSUE (2005)	CWR	4/4/05	KK	5/11/05			KING	5/11/05			CHECKED BY: KK 11/6/02
	2	REVISED FOR ANNUAL ISSUE (2004)	EAS	2/27/04	KK	3/18/04			KING	3/18/04			PROJECT ENGINEER APPROVAL: KING 11/6/02
	1	REVISED FOR ANNUAL ISSUE (2003)	HH	3/4/03	KK	3/4/03			KING	3/4/03			DESIGNER SUPERVISOR APPROVAL: KING 11/6/02
REFERENCE DRAWINGS	NO.	REVISION	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	PROJECT TRACKING NUMBER: XX-02-003
			DRAWN	CHECKED	PROJECT ENGINEER APPROVAL	DESIGNER SUPERVISOR APPROVAL							


**CITGO Petroleum Corporation**

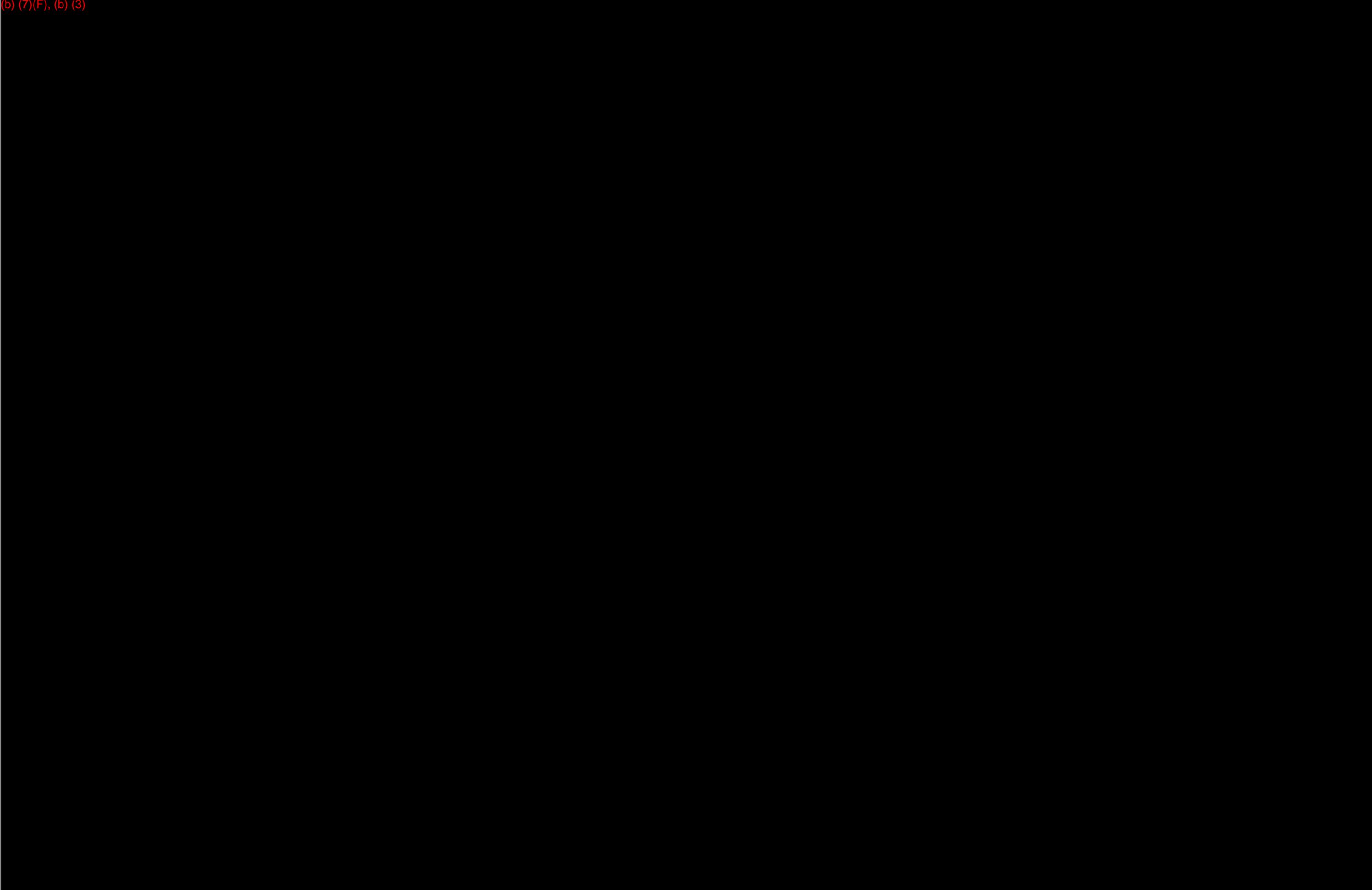
**WARNERS TANK FARM - LINDEN, NEW JERSEY TERMINAL**

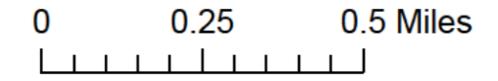
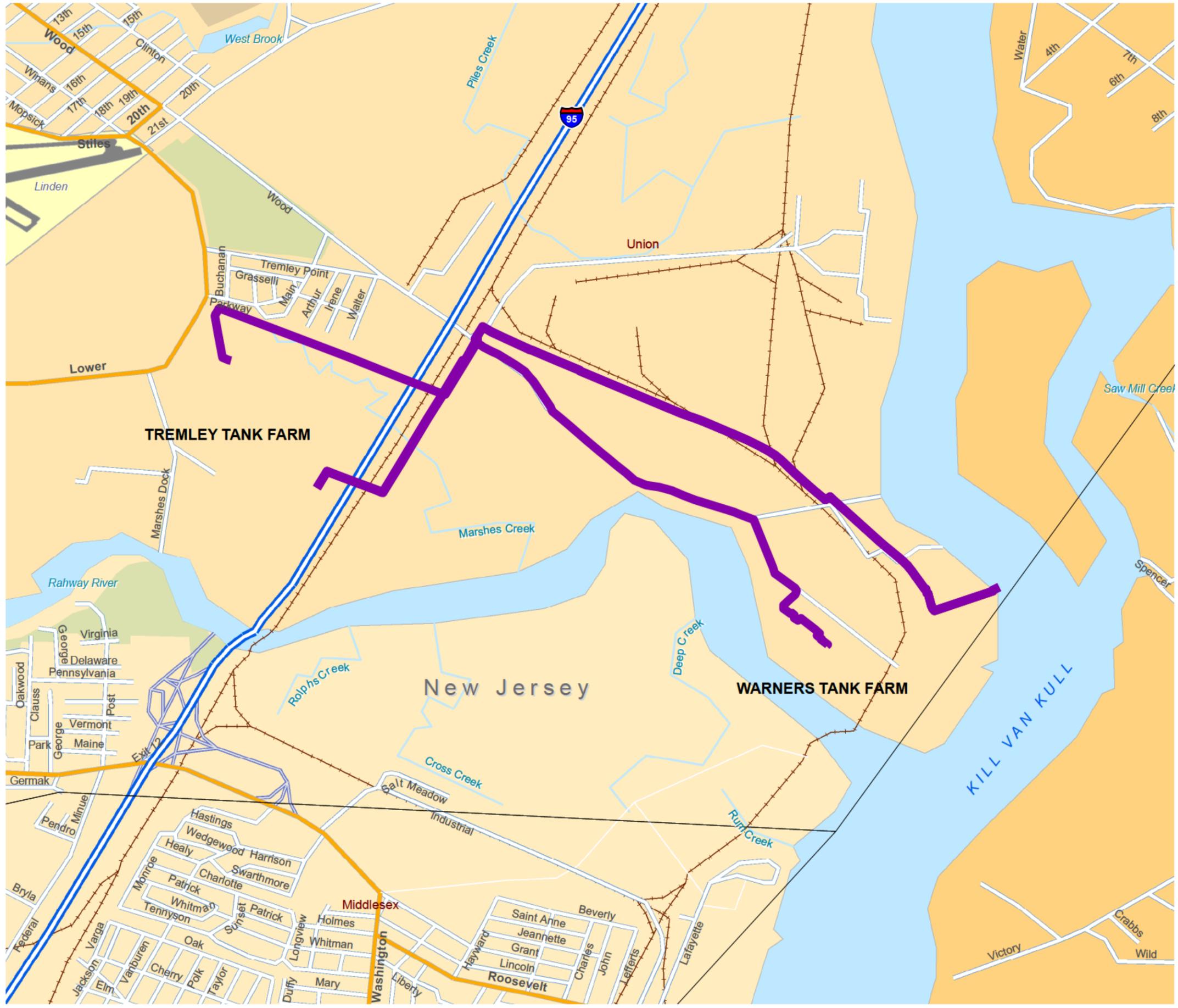
TITLE SITE PLAN KEY PLOT PLAN	DWG. NO. 3466A-100-01	REV. 6
-------------------------------------	--------------------------	-----------

(b) (7)(F), (b) (3)

N

(b) (7)(F), (b) (3)





**LINDEN, NJ  
RESPONSE ZONE**  
As of 04/30/2006

**—** TREMLEY TF - WARNERS TF  
(LINDEN, NJ - DOT TERMINAL)





TECHNICAL RESPONSE PLANNING  
CORPORATION

1995 ✦ 2005  
10 YEARS OF EXCELLENCE

October 24, 2007

USCG Attn: Scott White  
212 Coast Guard Drive  
Staten Island, New York 10305

RE: Facility Response Plan for the CITGO Linden Terminal (USCG FRP #NY - 026)

Dear Sir:

Enclosed are two copies of the CITGO Petroleum Corporation Linden Facility Response Plan for your review and approval. The Dock Operations manual will be submitted in the next two weeks for your review. In accordance with 33 CFR 154.110, CITGO Petroleum Corporation submits this letter of intent to continue oil transfer operations at the following facility

Linden Terminal  
4801 South Wood Avenue  
Linden, NJ 07036  
(908) 862-3300

(b) (7)(F), (b) (3)

To follow up the support of this request, enclosed please find the following:

1. One copy of the aforementioned plan for review,
2. One paper copy of the Letter of Intent for your stamp of approval process,
3. A Response Plan Cover Sheet and
4. A Table of Regulation Cross-References.

Document number 3 & 4 are also located in Appendix E of the plan.

Technical Response Planning Corporation (TRP) prepared these plans on behalf of CITGO Petroleum Corporation. Please direct all questions and correspondence to Rex Prosser (Emergency Management Program Mgr.) at CITGO Petroleum Corporation 1393 Eldridge Parkway (N2109) Houston, TX 77077 or (832) 486-1663.

Sincerely,  
TECHNICAL RESPONSE PLANNING CORPORATION

Greg Desmond  
Senior Project Manager

GD:ac

Cc: Rex Prosser, Cecil Campbell

Federal Express

U.S. Department of  
Homeland Security

United States  
Coast Guard



Captain of the Port  
U. S. Coast Guard  
Sector New York

212 Coast Guard Drive  
Staten Island, NY 10305  
Staff: SSO  
Phone: (718)-354-4286  
Fax: (718)-354-3900

16471  
Activity # 4579032  
FIN: KIBOF050

JUN 10 2013

Citgo Petroleum Corporation  
Attn: Mr. Don Paglia  
4801 South Wood Avenue  
Linden, NJ 07036

Dear Sir:

My staff has completed a comprehensive review of your Facility Response Plan (FRP) submitted on April 23, 2013. Based on their recommendation, your FRP is approved in accordance with Title 33, Code of Federal Regulations (CFR), Part 154 and will remain valid until the five-year anniversary date of this letter.

I commend your efforts in developing a response plan reflecting your company's operating procedures and organizational structure. Your plan is a vital working document and implementing it will help ensure effective oil spill response and mitigation. You are reminded that your plan must be re-submitted no later than 60 days prior to the expiration date of this letter or whenever a significant change occurs at the facility that affects the plan. All re-submissions must be in accordance with 33 CFR 154 and consistent with the National Contingency Plan and the most recent Area Contingency Plan.

If you have any questions regarding your facility response plans, please contact my Facility Compliance Staff at (718) 354-4286.

Sincerely,

A handwritten signature in black ink, appearing to read "J. J. Hillin". The signature is written in a cursive style with a large, looping initial "J".

J. J. HILLIN  
Chief, Safety and Security Operations Division  
By direction

**ERAP**

**LINK FILES**



**CITGO Petroleum Corporation**

**Ship To:**  
Valid for all CITGO locations for the purchasing organization (4000) Corporate Supply, unless the plant is specified on the line items below.

**Contract for Services**  
**4600004047**

**Supplier:**  
AUCHTER INDUSTRIAL  
SERVICE INC  
4801 SOUTH WOOD AVE  
LINDEN NJ 07036



**Date:** 06/08/2004  
**Contact Person:** Bordo, Charles  
**Telephone:** 918-495-5666

**Bill To:**  
P.O.Box 21188  
Tulsa, OK 74102-1188  
**Note:**  
Default Tulsa address unless specified differently on individual PO

**Supplier No:** 800080

**Ship Via:**  
**Terms of Delivery:** F.O.B. Destination, Freight Prepaid & Add  
**Terms of Payment:** Within 30 days Due net

**Valid from:** 06/08/2004  
**Valid to:** 06/07/2007

**Currency:** USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p align="center">Contract No. 4600004047 Service Contract</p> <p>1. THIS CONTRACT IS HEREBY MADE BY AND BETWEEN:</p> <p>A. CITGO Petroleum Corporation Address: P. O. Box 3758 Tulsa, OK 74102</p> <p>hereafter called the "Company" and</p> <p>B. Auchter Industrial Vac Service, Inc. Address: 4801 South Wood Ave. Linden NJ 07036</p> <p>hereafter called the "Contractor".</p>		



## CITGO Petroleum Corporation

Page 2 of 6

Supplier No.: 800080

<b>Contract for Services</b>
<b>4600004047</b>

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>The Company and Contractor may be referred to jointly or individually as a "Party".</p> <p>2. <b>SCOPE OF WORK ("Work"):</b>  Contractor shall provide all labor, supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to complete tank cleaning, assist in mechanical services and disposal of hazardous and non-hazardous waste at various Terminal locations, directed by Company personnel, to meet regulatory requirements.</p> <p>The Company may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work. The Contractor may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.</p> <p>Scopes of Work will be assigned by a Work Purchase Order or Work Release, hereinafter called "Purchase Order". Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract. Purchase Orders will be prepared and issued in accordance with terms and conditions of Exhibit "C", Section 9.</p> <p>The Scope of Work will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.</p> <p>3. <b>CONTRACT DOCUMENTS:</b>  These Articles and the following are a</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>complete and exclusive listing of Contract Documents:</p> <ul style="list-style-type: none"> <li>1) Exhibit A-1 General Terms and Conditions</li> <li>2) Exhibit B-1 Insurance and Indemnity</li> <li>3) Exhibit C Compensation</li> <li>4) Exhibit D Contractor Injury/Illness Report</li> <li>5) Exhibit E Invoice Summary Sheet</li> <li>6) Exhibit F Contractor's Time and Material Rate Sheet</li> </ul> <p>Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein.</p> <p>4. <b>TERM:</b> The term of this Contract shall be effective as of June 8, 2004 through a period of time ending June 7, 2007. The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction. The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

<b>Contract for Services</b> <b>4600004047</b>
---

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided, that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of said notice.</p> <p>5. <b>COMPENSATION:</b> Time and Materials Payment Description: Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit F. attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.</p> <p>6. <b>INVOICES:</b> All invoices for Time and Material Work shall include an Invoice Summary Sheet similar to that set forth in Exhibit "E" hereof. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction.</p>		



**CITGO Petroleum Corporation**

Supplier No.: 800080

**Contract for Services**  
4600004047

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>Invoices shall be submitted to the following address:</p> <p><b>INVOICES TO THE COMPANY:</b> As indicated on individual release orders</p> <p><b>7. AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:</b></p> <p>1) Company Authorized Representative or Project Manager:</p> <p>Contractor Authorized Representative: Supervisor</p> <p><b>8. NOTICES:</b> All Notices or other communications required or permitted by this Contract will be sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:</p> <p><b>TO THE COMPANY AS FOLLOWS:</b> To the Purchasing Department CITGO Petroleum Corporation P. O. Box 3758 Tulsa, OK 74102-3758 Attn: Charles Bordo</p> <p><b>TO THE CONTRACTOR AS FOLLOWS:</b> Auchter Industrial Vac Service, Inc. 4801 South Wood Ave. Linden, NJ 07036</p> <p>or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).</p> <p><b>9. REPORTING REQUIREMENTS:</b> Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by</p>		



# CITGO Petroleum Corporation

Supplier No.: 800080

**Contract for Services**  
**4600004047**

Currency: USD

Item	Target Qty	Unit	Description	Unit Price	Total Price
			<p>OSHA guidelines.</p> <p><b>10. SPECIAL TERMS AND CONDITIONS:</b>                      (a) Effective September 1, 1997, for services provided within the boundaries of the State of Louisiana and for services that are subject to Louisiana Law, Contractor agrees and recognizes that the Company shall be statutory Employer of all Contractor personnel assigned to provide Services under this agreement or to administration of the Services provided under this Agreement in accordance with the requirements of Louisiana Revised Statutes R. S. 1061A (3).</p> <p><b>ACCEPTED AND AGREED BY:</b>                      "Contractor"</p> <p>Auchter Industrial Vac Service, Inc.  <i>Brian C Auchter</i>                      (Signature)                      Name: <u>Brian C Auchter</u>                      Title: <u>President</u>                      Date: <u>6/15/04</u></p> <p>"Company"                      CITGO PETROLEUM CORPORATION  <i>Charles Bordo</i>                      (Signature)                      Name: Charles Bordo                      Title: Field Purchasing Agent                      Date: June 8, 2004</p>		



**AUCHTER INDUSTRIAL VAC. VEHICLE LIST**

#	YR	TYPE	MAKE	SERIAL #	PLATE	CAP
1	90	STR TNK	MACK	1M2AA05Y2LW001213	<del>AB820H</del>	3200 XG153L
2	05	STR TNK	PETE	2NPLLZ9X45M865422	AJ804E	3200
3	94	STR TNK	PETE	1XPFD9X6RN347650	AB820H	3200
4	95	STR TNK	INTL	1HSHCAHRXSH620935	X19V74	3000
5	95	STR TNK	INTL	1HSHCAHR6SH620933	X19V73	3200
6	05	STR TNK	PETE	2NPLLZ9X65M865423	AJ811E	3200
7	94	STR TNK	PETE	1XPFD9X8RN347651	<del>AC866C</del>	3000 XG152L
8	05	STR TNK	PETE	2NPLLZ9X85M864424	AJ812E	3200
9	95	STR TNK	INTL	1HSHCAHR1SH620919	X19V71	3200
10	95	STR TNK	INTL	1HSHCAHR1SH620922	X6125J	3200
11	86	STR TNK	INTL	1HTZPJMR5GHA41209	X79T32	3000
12	90	STR TNK	FRTLIN	1FUUYDECB5LP380765	<del>AE11E</del>	3000 XG154L
16	99	CUSCO	STERLING	2FZXKEDB6XAA33378	X79R31	
17	96	CUSCO	FORD	1FDZY90T3TVA22043	X64T61	3000
20	98	RL-OFF	PETE	1NPALAOX4WN462290	AE876X	
21	00	RL-OFF	MACK	1M2P267C9YM051007	AE997H	
22	88	STR TNK	MACK	1M2N274Y2JW005221	X6126J	3000-OLD# 2
26	86	STR VAN	INTL	1HTLKTVR0GHA52021	AB830H	
27	02	STR VAN	INTL	1HTMMAAN82H530780	AG604R	
28	85	STR TNK	MACK	1M2P137C5FA013239	X19V72	3200 - OLD# 8
29	87	STR TNK	FORD	1FDYW90L5HVA32727	X87A31	3200-OLD# 6
102	94	TRACTOR	MACK	1M2AA13Y3RW042001	AB821H	
103	99	TRACTOR	VLVO	4VG7DEJH8XN758676	AE827Y	
104	99	TRACTOR	VLVO	4VG7DEJHXN758677	AE826Y	
105	03	TRACTOR	VLVO	4V4NC9GH23N338914	AH604L	
108	92	TRACTOR	MACK	1M2AA13Y4NW016601	AD922C	
110	90	TRACTOR	MACK	1M2AA13Y4LW007328	AB825H	
112	90	TRACTOR	MACK	1M2AA06Y6LW001200	AB827H	
113	90	TRACTOR	MACK	1M2AA13Y7LW007324	AD923C	
114	93	TRACTOR	MACK	1M2AA13YXPW024141	AD634K	
115	94	TRACTOR	MACK	1M1AA13Y4RW044876	AC619E	
214	04	VAC TRL (S/S)	PRES	2P9S2528141005002	TAR89J	6000
215	04	VAC TRL (S/S)	PRES	2P9S2528341005003	TAR90J	6000
216	04	VAC TRL (S/S)	PRES	2P9S2528541005004	TBD62U	6000
217	98	VAC TRL (S/S)	ACRO	1A9114221J1005098	T38PIX	6000
218	82	VAC TRL (S/S)	POLR	1PMS4412XC1006032	T792WP	5000
219	82	VAC TRL	PRES	PVT546011812057	T308UF	5460
220	74	VAC TRL	THOM	TTM946	T829GG	6300
221	74	VAC TRL	THOM	TTM944	494TTK	5000
222	83	VAC TRL	FRUE	1H4T04424DL002305	T793WP	5450
223	85	VAC TRL	CUSC	2C9T04223FC005353	XD879Y	5450
224	85	VAC TRL	CUSC	2C9T04223FC005352	T786WP	5450
N226	05	VAC TRL (ALUM)	HEIL	5HTDA452255E21114	TAR63M	6300
N227	05	VAC TRL (ALUM)	HEIL	5HTDA452455E21115	TAR62M	6300
N228	05	VAC TRL (ALUM)	HEIL	5THDA452655E21116	TAR64M	6300
230	82	VAC TRL	PRES	2P9S15281C1005017	T788WP	5000
233	79	VACTRL (SS)	POLR	POL439179	TIP155	5000

576  
Add'l

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3200 - OLD# 8  
3200-OLD# 6

\* N = NEW

#	YR	TYPE	MAKE	SERIAL #	PLATE	CAP
313	00	TNK TRL	NOVA	1N9S74323YA044037	TAR43H	7000
314	00	TNK TRL	NOVA	1N9S74323YA044040	TAR42H	7000
315	00	TNK TRL	NOVA	1N9S74323YA044041	TAR44H	7000
316	77	TNK TRL	FRUE	UNY561507	T68J6E	6500
317	77	TNK TRL	FRUE	UNY574312	T69J6E	6700
318	79	TNK TRL	KAR	CTK7744	T72J6E	6700
319	79	TNK TRL	KAR	CTK7745	T71J6E	6700
320	82	TNK TRL	KAR	1DESSC929CM008733	T91J6E	6800
321	83	TNK TRL	POLR	1PMS34128D1006311	T787WP	6250
334	74	TNK TRL	FRUE	2UNR475510	T1B365	7000
335	73	TNK TRL	HEIL	38866452	T95B9M	9500
400	80	VAN TRL(LIFT)	TRAIL	2V35521	T262NZ	96"x40'
401	63	VAN TRL(LIFT)	FRUE	1AVD856108	T790WP	96"x40'
402	90	VAN TRL(LIFT)	MON	INNVA4224LM147672	T22M9L	96"x42'
403	79	VAN TRL(LIFT)	GRE	B14537	T62T1P	96"x40'
404	85	VAN TRL	GRT	1GRAA9025FS139101	T785WP	96"x45'
405	85	VAN TRL	GRT	1GRAA9029FS139201	T789WP	96"x45'
407	92	TRALMOB.		1PT011AHXN9012425	T61T1P	96"x48'
408	92	TRALMOB.		1PT011AH5N9012428	T22H6M	96"x48'
500	63	DEAD CHAS	HEIL	912567	T791WP	
501	68	TRL	DEM	2DT50128	T7J445	
502	81	TRL	EAG	3 32TC8004S	T80C7L	
503	93	ROLLOFF	AMER	1A9RT4437PT200029	T11P1Y	
AC-1		AIR COMPRESSOR	INGE	288281	T83Y8K	
AC-2		AIR COMPRESSOR	INGE	289946	T82Y8K	
UT-1	95	UTILITY TRL	WC	1WC200F2XS3033216	T91B9L	
UT-2	87	UTILITY TRL	SHOP		T2509	
UT-3	04	UTILITY TRL	KRISTI	4DKUS172145003695	T62Y8G	
UT-4	04	UTILITY TRL	KRISTI	4DKUS17254S003988	T61Z7D	
U1	89	JIMMY	GMC	1GKEV18K3KF502346	EMX80A	SHOP
U2	95	CRWCAB	GMC	1GDGC33K8SF002756	X64R67	BRC
U3	03	F-250	FORD	1FTNW21P53ED77300	XC682L	BRIAN
U4	94	JIMMY	GMC	1GKDT13W2R0519728	FH263E	ARCHIE
U5	99	F-350	FORD	1FTWW33F2XEB09650	X3276R	CREW
U6	92	RACK(LIFT)	GMC	1GTHC33N5NJ710385	X64R66	BRC
U7	94	SAFARI	GMC	1GKDM19Z1RB513373	UT232A	RON
U8	04	P/U-SIERRA	GMC	1GTHC23204F228716	RJD81C	KEITH
U9	94	AEROSTAR	FORD	1FMDA41X1RZA47575	ZY510X	SHOP
U10	87	P/U	NISN	JN6ND11S4HW026929	FW925T	SHOP
U12	99	P/U	GMC	1GTEC19T7XE553287	X90J70	TAWN
U13	05	SIERRA	GMC	1GTEK19T85E178512	XD221V	JACK
	95	YUKON	GMC	31247	GW806H	BRIAN
<b>REVISED MARCH 7, 2005</b>						
<b>OLD VEHICLES STILL OWN BY AUCHTER</b>						
2	88	STR TNK	MACK	1M2N274Y2JW005221	X6126J	3000
6	87	STR TNK	FORD	1FDYW90L5HVA32727	X87A31	3200
8	85	STR TNK	MACK	1M2P137C5FA013239	X19V72	3200

.92 BRONCO - X4155L

## CITGO Petroleum Corporation

Outline Agreement # 4600005269

1. **THIS CONTRACT** is hereby made between CITGO Petroleum Corporation and CITGO Pipeline Corporation, whose address is, 1293 Eldridge Parkway, Houston, TX, 77077, hereafter called the "Company" and Clean Harbors Environmental, hereafter called the "Contractor".

The Company and Contractor may be referred to jointly or individually as a "Party".

2. **SCOPE OF WORK** ("Work"): Contractor shall provide all labor, supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to perform and complete waste removal, booming, tank cleaning and other miscellaneous projects as directed by 'Company' personnel, on an as-needed, non-exclusive basis.

**The Company** may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work.

**The Contractor** may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.

**Scopes of Work** will be assigned by a Work Purchase Order or Work Release, hereinafter called Purchase Order. Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract.

**The Scope of Work** will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.

### 3. **CONTRACT DOCUMENTS:**

These Articles and the following are a complete and exclusive listing of Contract Documents:

- 1) Exhibit A-1 General Terms and Condition
- 2) Exhibit B-1 Insurance and Indemnity
- 3) Exhibit C Compensation
- 4) Exhibit D Contractor Injury/Illness Report

5) Exhibit E Contractor's Rate Sheet

All above Contract Documents, with the exception of Exhibit 'E', will be referenced to existing Outline Agreement 4600004397, created and executed by Perry Fonseca/Lemont, IL Refinery.

Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein. This Contract Document supercedes any previous Contract Document between Company and Contractor.

4. **TERM:**

The term of this Contract shall be effective as of April 15, 2006, (or receipt of signed contract at the CITGO Corporate office), through a period of time ending April 30, 2011.

The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction.

The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.

Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of said notice.

5. **COMPENSATION:**

Time and Materials Payment Description: Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit E, attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.

**6. INVOICES:**

All invoices for Time and Material Work shall include an Invoice Summary Sheet. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction. Invoices should be mailed to the Pipeline location indicated on each individual release order. Invoices **must** reference either the CITGO Purchase Order number or the OA number above in order to be processed for payment.

**7. AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:**

1) Company Authorized Representative or Project Manager: Rick Sittig/Houston Pipeline location, or other CITGO personnel requesting work by Contractor from other locations.

Contractor Authorized Representative: James G. Vogt

**8. NOTICES:**

All Notices or other communications required or permitted by this Contract will be sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:

**TO THE COMPANY AS FOLLOWS:**

CITGO Petroleum Corporation  
1293 Eldridge Parkway  
Houston, TX 77210  
Attn: Ruth Simmons 4080 North  
Phone: 832-486-5304

**TO THE CONTRACTOR AS FOLLOWS:**

Clean Harbors Environmental  
351 West St Louis Street  
Nashville, IL 62263  
Phone: 618-267-4922  
Fax: 618-327-9434  
e-mail: vogt.james@cleanharbors.com

or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).

**9. REPORTING REQUIREMENTS:**

Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by OSHA guidelines.

ACCEPTED AND AGREED BY:

"Contractor"

**Clean Harbors Environmental**

By: Will F Connors

Name: William F. Connors

Title: Vice President

Date: 6/28/06

"Company"

**CITGO Petroleum Corporation**

By: [Signature]

Name: Ruth Simmons

Title: Terminal & Pipeline Senior Buyer

Date: 4-5-06

SIGN & KEEP THIS  
COPY



January 24, 2007

Amendment to #4600005269

The aforesaid agreement executed between the parties is hereby amended to include Emergency Services Rider.

All other terms and conditions of said Environmental Services and Waste Disposal Agreement shall remain in full force and effect.

Citgo, Inc.

Clean Harbors Environmental Services, Inc.

Name CHARLES BORDO  
Title PURCHASING AGENT  
Date 1/30/07

Name William F. Connors  
Title Vice President  
Date January 25, 2007



## EMERGENCY RESPONSE SERVICES RIDER

### Emergency Response Rider

The parties hereto acknowledge that under State and Federal Law, Clean Harbors ("Contractor") is accorded certain protections when it responds to spills and discharges of oil or other hazardous materials ("Responder Immunity"). In a response, rapid and decisive action is necessary to contain a spill. In almost all actions, responders must initiate a response with no prior notice based on very limited information. Without Responder Immunity, the enormous financial and liability exposures associated with emergency response would make the business of responding to spills impracticable. Accordingly, the parties execute this Rider with the intent of preserving Contractor's' statutorily conferred protections to the greatest extent possible.

#### 1. SCOPE OF EMERGENCY RESPONSE SERVICES

1.1 Upon execution of this Emergency Response Services Rider ("Rider"), Contractor agrees to provide Emergency Response Services ("Services") for the Company's accidental discharges of oil or other hazardous substances. Services may include, but are not limited to the following: Containment, recovery, repackaging and removal of materials; Site evaluation, decontamination and restoration; Transportation, storage, treatment or disposal of wastes; Technical services, including sampling, laboratory analysis, and other related services; Standby of personnel and equipment in anticipation of imminent activation; and Training and mock spill drill deployments.

#### 2. COMPENSATION

2.1 Company agrees to pay Contractor for Services in accordance with Contractor's Rate Schedule for emergency response work ("Rates") in effect at the time Services are rendered. A current copy of such Rates is attached hereto as Attachment R-1. Company's obligation to pay amounts due pursuant to the Agreement shall not be conditioned upon or limited by the types, amounts or availability of insurance coverage.

2.2 Contractor will present its first invoice to Company as soon as possible following commencement of Services provided hereunder, and may issue subsequent invoices every (5) days thereafter. Company agrees to pay the full amount of each invoice amount within thirty (30) business days of the date of receipt of said invoice by Company's Representative. However, in the event the total billed and unbilled outstanding amounts due exceeds \$50,000("Credit Limit"), Company agrees to pay for work on a within five (5) days of receipt of Contractor's invoice until the outstanding balance falls below the Credit Limit. Company agrees that interest shall accrue and will be paid to Contractor on any unpaid balance, except for amounts disputed in good faith of any invoice after **thirty (30)** business days of receipt of invoice by Company at the rate of one and one half percent (1.5%) per month or the maximum amount allowed by law.

2.3 [reserved]

2.4 In the event that work is suspended or terminated for any reason prior to the completion of the Services, Company agrees to pay for labor, equipment, materials, disposal and other costs incurred by Contractor at the Rates and for reasonable demobilization costs. Company agrees to pay Contractor in accordance with the Rates for any litigation support or testimony requested by Company of Contractor in connection with, or arising out of, the work performed by Contractor hereunder.

#### 3. INDEMNIFICATION

3.1 CONTRACTOR shall indemnify, defend and hold harmless COMPANY, its parent and affiliated companies and their respective directors, officers, employees and agents from and against any and all costs, liabilities, claims, demands and causes of action including, without limitation, bodily injury to or death of any person or destruction of or damage to any property, except natural resource and other damages as defined in Section 3.3, which COMPANY may suffer, incur, or pay out, to the extent such are caused by the negligence or willful misconduct of CONTRACTOR, its agents or employees during the performance of the Agreement or CONTRACTOR'S failure to comply with any laws, regulations or lawful authority, or failure to comply with its obligations under this Agreement; except to the extent such liabilities, claims, demands and causes of action result from (i) COMPANY'S failure to comply with any laws, regulations or other lawful authority; (ii) COMPANY'S failure to



### EMERGENCY RESPONSE SERVICES RIDER

comply with its obligations under the Agreement or (iii) the negligence or willful misconduct of COMPANY, its employees or agents.

- 3.2 COMPANY shall indemnify, defend and hold harmless CONTRACTOR, its parent and affiliated companies and their respective directors, officers, employees and agents from and against any and all costs, liabilities, claims, demands and causes of action including, without limitation, any bodily injury to or death of any person or destruction of or damage to property which CONTRACTOR may suffer, incur, or pay out, to the extent such are caused by the negligence or willful misconduct of COMPANY, its employees or agents or the failure of COMPANY to comply with any laws, regulations or other lawful authority or the failure of COMPANY to comply with its duties or obligations under the Agreement; except to the extent such liabilities, claims, demands and causes of action result from (i) CONTRACTOR'S failure to comply with any laws, regulations or lawful authority; (ii) CONTRACTOR'S failure to comply with its obligations under the Agreement; or (iii) the negligence or willful misconduct of CONTRACTOR, its employees or agents.
- 3.3 Natural resource and other damages as stated in 3.1 above shall be defined as pollution damages; contamination or adverse effects on the environment; destruction of, damage to, or loss of, whether actual or alleged, any property or natural resources, including the cost of assessing the damage; injury to or economic losses resulting from destruction of real or personal property; damages for loss of subsistence use of natural resources; damages equal to the loss of profits or impairment of earning capacity due to the injury, destruction or loss of real property, personal property or natural resources; damages for net costs of providing increased or additional public services; removal costs; and any other costs assessable under the Oil Pollution Act of 1990, the Comprehensive Environmental Response, Compensation and Liability Act or other local, state or Federal law or lawful authority applicable to discharges or releases of oil or hazardous substances which CONTRACTOR, individually or collectively, may suffer, incur, or pay out in connection with, or arising out of, the release of oil or hazardous substances by COMPANY.

THE FOREGOING INDEMNITY SHALL ONLY APPLY TO THOSE CLAIMS, LIABILITIES OR CAUSES OF ACTION ARISING, DURING, OR AS A RESULT OF, EMERGENCY RESPONSE ACTIVITIES. THE INDEMNITY CONTAINED IN THE AGREEMENT SHALL GOVERN THE RIGHTS AND OBLIGATIONS OF THE PARTIES WITH REGARD TO THE TRANSPORTATION OR DISPOSAL OF WASTE MATERIALS BY CONTRACTOR.

#### 4. TERMINATION

- 4.1 Work Orders issued for performance of services under this Rider may be terminated by either party upon ten (10) days prior notice to the other party.

Except as specifically amended herein, all other terms and conditions contained in the AGREEMENT shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this RIDER to be executed by their duly authorized representatives as of the 22<sup>nd</sup> day of January, 2007.

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

By: Will F. Cowan

Its: Vice President

Date: 1-25-07

COMPANY:

By: [Signature]

Its: PURCHASING AGENT

Date: 1/30/07

	Price-Gulf NE/SE/MW	Price- NE/SE/MW
<b>Field Personnel</b>		
Field Technician	\$47.00	\$50.35
Senior Technician		\$54.63
Foreman	\$55.00	\$58.90
Equipment Operator	\$56.00	\$56.05
Supervisor	\$70.00	\$78.85
Project Manager	\$83.00	\$90.00
Chemist	\$73.00	\$77.90
Lead Chemist	\$85.00	\$101.65
Site Safety Officer	\$80.00	\$90.00
	<b>Price-Gulf</b>	<b>Price-</b>
		<b>NE/SE/MW</b>
<b>Technical Personnel</b>		
Associate Engineer	\$65.00	\$87.40
Designer	\$65.00	\$87.40
Drafter	\$58.00	\$78.85
Electrician	\$60.00	\$83.60
Field Engineer/Scientist/Geologist	\$80.00	\$105.45
Field Inspector	\$55.00	\$76.00
Licensed Plumber	\$61.00	\$83.60
Mechanic	\$50.00	\$83.60
Professional Engineer/LSP	\$110.00	\$132.05
Senior Engineer/Scientist/Geologist	\$90.00	\$117.80
Senior Mechanical Technician	\$55.00	\$76.00
Sr. Mechanic	\$65.00	\$89.30
Sr. Welder	\$65.00	\$89.30
Wastewater Treatment Operator	\$65.00	\$89.30

Welder	\$60.00	\$83.60
<b>Administrative/Managerial Personnel</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
Commercial Trainer	Price	Price
Coordinator	\$75.00	\$89.30
General Manager	\$60.00	\$94.05
On Site Administration/Accounting Clerk	\$110.00	\$130.00
	\$40.00	\$57.00
	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
<b>Major Event "Strike Team"</b>	<b>Price</b>	<b>Price</b>
Administration/Coordinator	\$90.00	\$99.75
Logistics/Procurement	\$70.00	\$79.80
Strike Team Leader	\$150.00	\$159.60
Zone/Operations Manager	\$110.00	\$119.70

Per Diem (per person per day) \$120.00 \$140.00  
 CITGO Provides Food in Gulf Region

**Emergency Response Equipment Rates**  
 Units of Measure specified in UoM column

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Earth Moving Equipment</b>			
Backhoe Loader - 1 Yard Bucket	DAY	\$450.00	\$450.00
Backhoe Loader - 1 Yard Bucket	HR	\$56.00	\$60.00
Bobcat Backhoe Attachment	DAY	\$110.00	\$130.00
Bobcat Forklift Attachment	DAY	\$110.00	\$53.00
Bobcat Hydraulic Shears Attachment	DAY	\$110.00	\$130.00
Bobcat Loader	DAY	\$325.00	\$325.00
Bobcat Loader	HR	\$50.00	\$58.00
Bobcat Sweeper Attachment	DAY	\$110.00	\$130.00
Bulldozer 6-13 ton	DAY	\$600.00	\$600.00
Excavator - Track	DAY	\$750.00	\$750.00
Excavator - Track	HR	\$95.00	\$90.00
Excavator- Link Belt with Mixer Attachment	DAY	\$1,313.00	\$1,313.00

Loader - 3 Yard Bucket	DAY	\$950.00	\$950.00
Loader - 3 Yard Bucket	HR	\$118.00	\$70.00

**Electric Power Tools**

	UoM	Price-Gulf	Price-NE/SE/MW
1/2" Drill	DAY/WEEK	\$26.00 /	\$26.00 /
		\$145.00	\$145.00
3/8" Drill	DAY/WEEK	\$22.00 /	\$22.00 /
		\$123.00	\$123.00
60# Jackhammer	DAY/WEEK	\$60.00 /	\$60.00 /
		\$336.00	\$336.00
Circular Saw	DAY/WEEK	\$40.00 /	\$40.00 /
		\$225.00	\$225.00
Mercury Vacuum	DAY	\$180.00	\$190.00
Reciprocating Saw	DAY/WEEK	\$40.00 /	\$40.00 /
		\$225.00	\$225.00
Rivet Buster	DAY	\$158.00	\$158.00
Shop (Wet) Vac	DAY	\$30.00	\$30.00

**Field Analytical**

	UoM	Price-Gulf	Price-NE/SE/MW
4 Gas Meter	DAY	\$160.00	\$160.00
Balier & Sampling Equipment	DAY	\$50.00	\$55.00
Conductivity Meter	DAY	\$110.00	\$116.00
Draeger Air Monitor Pump	DAY	\$35.00	\$35.00
Explosion/Oxygen Meter	DAY	\$75.00	\$75.00
Geiger Counter	DAY	\$110.00	\$116.00
Geoprobe	DAY	\$180.00	\$180.00
Hydrogen Cyanide Meter	DAY	\$110.00	\$120.00
Hydrogen Sulfide (H2S) Meter	DAY	\$35.00	\$35.00
Hydrostatic Tester	DAY	\$100.00	\$105.00
Interface Probe	DAY	\$110.00	\$116.00
Lumex RA915+ Mercury Vapor Analyzer	DAY	\$473.00	\$473.00
Mercury Vapor Analyzer	DAY	\$180.00	\$190.00
Noise Dosimeter	DAY	\$35.00	\$35.00
Organic Vapor Analyzer (OVA)	DAY	\$125.00	\$125.00

Particulate Meter, Mini Ram or Equivalent	DAY	\$116.00	\$116.00
Personal Air Pump	DAY	\$45.00	\$45.00
pH Meter	DAY	\$50.00	\$55.00
PID Meter	DAY	\$110.00	\$116.00
Ultrasound Meter	DAY	\$180.00	\$180.00
Unknown Testing Kit	DAY	\$158.00	\$158.00
Well purging/Sampling Pump	DAY	\$50.00	\$55.00

**Gas Powered Tools**

Air Mover Flex Hose 4" (100ft Roll)	ROL	\$85.00	\$85.00
Air Mover Flex Hose 6" (100ft Roll)	ROL	\$165.00	\$165.00
Brush Cutter	DAY	\$105.00	\$112.00
Chain Saw	DAY	\$105.00	\$112.00
Cutoff Saw	DAY	\$105.00	\$112.00
High Velocity Leaf Blower	DAY	\$55.00	\$60.00

**Heavy Duty Trucks  
NEED NOTES FOR FUEL USE AND DEFINE**

	UoM	Price-Gulf	Price-NE/SE/MW
Box Truck (10 Wheel)	HR / DAY	\$ 50.00 / \$600.00	\$52.00 / \$624.00
Box Truck (6 Wheel)	HR / DAY	\$40.00 / \$480.00	\$40.00 / \$480.00
Heavy Duty Liftgate Truck	DAY	\$320.00	\$340.00
Heavy Duty Liftgate Truck	HR / DAY	\$52.00 / \$624.00	\$52.00 / \$624.00
Tractor - No Trailer	HR / DAY	\$41.00 / \$492.00	\$43.00 / \$516.00
Tractor W/Box Van	HR / DAY	\$51.00 / \$612.00	\$54.00 / \$648.00
Tractor W/Flatbed/Lowbed	HR / DAY	\$51.00 / \$612.00	\$54.00 / \$648.00
Tractor W/Bulk Hopper	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00

Tractor W/Dump Trailer	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00
Tractor W/Roll-Off Trailer	HR / DAY	\$51.00 / \$612.00	\$55.00 / \$660.00
Trailer Mounted High Powered Vac Unit	DAY	\$750.00	\$750.00
Air Mover/Vactor	HR / DAY	\$76.00 / \$912.00	\$76.00 / \$912.00
High Power Vacuum Truck/Cusco	HR / DAY	\$89.00 / \$1068.00	\$90.00 / \$1080.00
High Power Vacuum Truck/Cusco W/Liquid Ring	HR / DAY	\$89.00 / \$1068.00	\$101.00 / \$1212.00
Skid Mount Vacuum System	HR / DAY	\$47.00 / \$564.00	\$47.00 / \$564.00
Tractor W/Liquid Transporter	HR / DAY	\$49.99 / \$588.00	\$54.00 / \$648.00
Vactor W/Cyclone	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vactor W/HEPA	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vactor W/High Rail	HR / DAY	\$90.00 / \$1080.00	\$90.00 / \$1080.00
Vacuum Tractor Trailer	HR / DAY	\$49.99 / \$588.00	\$54.00 / \$648.00
Vacuum Truck Straight	HR / DAY	\$54.00 / \$648.00	\$54.00 / \$648.00
Vactor Flex Hose 4" (100ft Roll)	ROL	\$85.00	\$85.00
Vactor Flex Hose 6" (100ft Roll)	ROL	\$165.00	\$165.00
*** Decontamination of Vacuum Trucks, Vactors, Cuscocs, Trailers, etc. not included.			
Some may require personnel entry, some may be deconned at a local truck wash.			
<b>Hoses/Pipe</b>			
2" Cross Link Poly-Chem Hose (25')	DAY	\$34.00	\$34.00
2" Lay Flat Hose (25')	DAY	\$25.00	\$25.00
2" Oil Suction Hose (25')	DAY	\$25.00	\$28.00
3" Cross Link Poly Chem Hose (25')	DAY	\$43.75	\$46.00
<b>UoM</b>		<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>

3" Oil Suction Hose (25')	DAY	\$37.50	\$39.00
3" Lay Flat Hose (25')	DAY	\$37.50	\$37.50
3/4" Air compressor hose/foot	FT	\$1.00	\$1.00
4" Lay Flat Hose (25')	DAY	\$50.00	\$55.00
4" Cross Link Poly Chem Hose (25')	DAY	\$62.00	\$62.00
4" Oil Suction Hose (25')	DAY	\$50.00	\$55.00
4" HDPE Pipe w/ Quick Disconnects (40ft)	DAY	\$21.00	\$21.00
6" Lay Flat Hose (25')	DAY	\$72.00	\$72.00
6" Oil Suction Hose (25')	DAY	\$75.00	\$80.00
6" HDPE Pipe w/ Quick Disconnects (40ft)	DAY	\$23.00	\$23.00
Wash Hose (50')	DAY	\$12.50	\$15.00

### Light Duty Truck/Response Equipment

	UoM	Price-Gulf	Price-NE/SE/MW
2 1/2 Ton Utility Vehicle	DAY	\$175.00	\$175.00
Emergency Response Van	HR	\$55.00	\$55.00
Pickup/Van/Car/Crew Cab	DAY	\$150.00	\$145.00
Spill Trailer	DAY	\$75.00	\$75.00

Stake Body/Utility Truck	DAY	\$150.00	\$180.00
Utility/Boom Trailer	DAY	\$75.00	\$75.00
Welding Van	HR	\$18.00	\$18.00

### Marine Response Equipment

#### No transfer of ownership

	UoM	Price-Gulf	Price-NE/SE/MW
10" Containment Boom	FT	\$1.10	\$1.10
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$1.35	\$1.35
18" Containment Boom	FT	\$1.35	\$1.35
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$2.10	\$2.10
24" Containment Boom	FT	\$2.10	\$2.10
Capped after 12 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$3.85	\$3.85
36" Containment Boom	FT	\$3.85	\$3.85
Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.	FT	\$5.25	\$5.25
48" Containment Boom	FT	\$5.25	\$5.25

Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.

Boom Anchor System DAY / WEEK \$20.00 / \$20.00 / \$110.00 \$110.00

Capped after 20 days - will not bill CITGO for replacement boom in the event of damages to boom unless damaged by gross negligence on CITGO's part.

Boom Light DAY / WEEK \$20.00 / \$20.00 / \$110.00 \$110.00

Caped after 18 days

Containment Boom Tow Bridle DAY N/C N/C

Global Positioning System DAY \$50.00 \$55.00

Caped after 18

Hydraulic Power Pack DAY \$175.00 \$175.00

Inflatable Buoy DAY \$30.00 \$32.00

Caped after 18 days

Oil Corraling Spray Bar DAY \$25.00 \$25.00

PFD Survival Suit DAY \$60.00 \$60.00

PFD Survival Vest DAY \$13.00 \$13.00

Air Boat DAY CALL CALL

Jon Boat DAY \$85.00 \$85.00

20' Fast Response Vessel w/o use of Storage DAY \$550.00 \$550.00

20' Fast Response Vessel with use of Storage (30 DAY \$800.00 \$800.00  
bbl)

Marco Harbor 28' Fast Response Recovery Vessel DAY \$4,500.00 \$4,500.00

Power Workboat (12' - 14') DAY \$225.00 \$275.00

Power Workboat (15'-17") DAY \$300.00 \$325.00

Power Workboat (18'-22') DAY \$470.00 \$550.00

Power Boat (23'-30') DAY \$600.00 \$600.00

Power Boat (23'-30') Twin Engine DAY \$650.00 \$790.00

Power Barge Boat (26'-30') Twin Engine DAY \$850.00 \$850.00

Power Boat (>30') EA CALL CALL

1" Belt Skimmer MO \$500.00 \$500.00

Drum Skimmer Unit DAY \$550.00 \$550.00

Duck Bill Skimmer DAY \$25.00 \$25.00

Marco Skimmer Belt Drive EA \$1,200.00 \$1,200.00

Marco Skimmer belt-light oil pads (Set of 4) EA \$700.00 \$700.00

Skim Pack DAY \$150.00 \$150.00

Weir Disc Skimmer Unit DAY \$350.00 \$158.00

\* Cost of Decontamination of Marine Response Equipment not included.  
 \* Replacement Skimming Belts will be priced on request as needed.

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Materials Processing Equipment</b>			
Centrifuge	DAY	\$1,000.00	\$1,000.00
Floating Dredge (10' depth)	DAY	\$450.00	\$450.00
Floating Dredge (20' depth)	DAY	\$700.00	\$700.00
Mobile Belt filter press	DAY	\$500.00	\$500.00
Mobile Plate and Frame filter press	DAY	\$600.00	\$600.00
Robotic Manway Cannon	DAY	\$600.00	\$600.00
Vapor Recovery Unit (Double Column)	DAY	\$500.00	\$500.00
<b>Pneumatic Power Tools</b>			
1/2" Drive Drill	DAY	\$55.00	\$58.00
3/4" Rotary Hammer Drill	DAY	\$80.00	\$84.00
3/8" Drive Drill	DAY	\$30.00	\$35.00
Jackhammer 40 Lb.	DAY	\$55.00	\$60.00
Jackhammer 60 Lb.	DAY	\$70.00	\$75.00
Jackhammer 90 Lb.	DAY	\$85.00	\$90.00
Pallet Jack	DAY	\$11.00	\$11.00
Pneumatic Chipping Gun	DAY	\$55.00	\$60.00
Reciprocating Saw	DAY	\$90.00	\$95.00
Scrapping Gun, Air Driven	DAY	\$58.00	\$58.00
Steel Nibbler	DAY	\$105.00	\$110.00
<b>Pressure Washing Equipment</b>			
1000 PSI Pressure Washer	DAY	\$85.00	\$92.00
2000 PSI Pressure Washer	DAY	\$95.00	\$100.00
2500 PSI Hot Pressure Washer	DAY / WEEK	\$225.00 /	\$225.00 /
		\$1100.00	\$1100.00

2500 PSI Pressure Washer	DAY	\$100.00	\$108.00
3000 PSI Hot Pressure Washer	DAY	\$330.00	\$347.00
3500 PSI Hot Pressure Washer	DAY / WEEK	\$275.00 / \$1200.00	\$275.00 / \$1200.00
3D/ Automated Nozzle for Water Blaster	HR	\$74.00	\$74.00
Water Blaster, 10,000 PSI	HR	\$75.00	\$65.00
Water Blaster, 20,000 PSI	HR	\$125.00	\$125.00
Water Blaster, 40,000 PSI	HR	\$152.00	\$152.00
<b>Pumping/Transferring Pumps</b>			
1" Double Diaphragm Pump	DAY	\$85.00	\$89.00
2" Centrifical Pump	DAY	\$95.00	\$100.00
2" Chemical Diaphragm Pump	DAY	\$175.00	\$168.00
2" Double Diaphragm Pump	DAY	\$120.00	\$126.00
2" Electric Submersible Pump	DAY	\$75.00	\$79.00
2" Hale Pump/Trash Pump	DAY	\$100.00	\$100.00
2" Parastolic Pump	DAY	\$350.00	\$350.00
3" Centrifical Pump	DAY	\$110.00	\$116.00
3" Chemical Diaphragm Pump	DAY	\$175.00	\$185.00
3" Diesel Lister Pump	DAY	\$135.00	\$142.00
3" Double Diaphragm Pump	DAY	\$135.00	\$142.00
3" Electric Submersible Pump	DAY	\$95.00	\$100.00
3" Hale Pump/Trash Pump	DAY	\$116.00	\$116.00
4" Centrifical Pump	DAY	\$135.00	\$142.00
4" Double Diaphragm Pump	DAY	\$185.00	\$195.00
4" Electric Submersible Pump	DAY	\$140.00	\$147.00
4" Hale Pump/Trash Pump	DAY	\$319.00	\$263.00
4" Hydraulic Transfer Pump	HR	\$165.00	\$174.00
4" Hydraulic Sludge Pump with Power Pack	DAY	\$500.00	\$500.00
6" Hydraulic Transfer Pump	HR	\$220.00	\$231.00
6" Hydraulic Transfer Pump	HR	\$275.00	\$290.00
8" Hydraulic Transfer Pump	DAY	\$150.00	\$158.00
Drum Loader	DAY	\$95.00	\$100.00
Electric Drum Pump	DAY	\$30.00	\$32.00
Hand Pump	DAY		

Pneumatic Drum Vac - Venturi	DAY	\$150.00	\$158.00
<b>Respiratory Protection</b>			
2 Man Breathing System	DAY	\$240.00	\$252.00
4 Man Breathing System	DAY	\$300.00	\$315.00
6 Man Breathing System	DAY	\$340.00	\$340.00
Breathing Air Hose/100 FT	DAY	\$50.00	\$50.00
Negative Air Machine	DAY	\$200.00	\$210.00
Negative Air Machine	WK	\$600.00	\$630.00
Respirator, Full Face	DAY	\$20.00	\$20.00
Self Contained Breathing App.	DAY	\$200.00	\$200.00
<b>Site Support</b>			
150,000 BTU Portable Heater	DAY	\$200.00	\$250.00
2,000 Gal Poly Storage Tank	DAY	\$64.00	\$64.00
20,000 Gal. Double walled Frac Tank	DAY	\$180.00	\$180.00
20,000 Gal. Frac Tank	DAY	\$75.00	\$150.00
3,000 Gal Steel Storage Tank	DAY	\$16.00	\$16.00
3,000 Gal Steel Storage Tank	WK	\$79.00	\$79.00
300 - 500 gal Poly Storage Tank	DAY	\$25.00	\$37.00
300 - 500 gal Poly Storage Tank	WK	\$174.00	\$257.00
300 - 500 gal Poly Storage Tank	MO	\$1,210.00	\$1,785.00
4,000 Gal Poly Storage Tank	DAY	\$88.00	\$88.00
4000 Watt Generator	DAY	\$128.00	\$128.00
Air Compressor 8/10 CFM	DAY	\$110.00	\$110.00
Air Compressor 175 CFM	DAY	\$220.00	\$235.00
Air Compressor 375 CFM	DAY	\$300.00	\$300.00
ATTV 4x4 or 4x6	DAY	\$300.00	\$300.00
Carbon Filter - Vapor Phase, Small	WK	\$525.00	\$525.00
Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	DAY	\$63.00	\$63.00
Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	WK	\$189.00	\$189.00

Carbon Filter - Skid Mounted, Liquid Phase, 10GPM	MO	\$1,260.00	\$1,260.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	DAY	\$630.00	\$630.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	WK	\$3,780.00	\$3,780.00
Carbon Filter - Trailer Mounted, Liquid Phase 100/200GPM	MO	\$11,340.00	\$11,340.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	DAY	\$998.00	\$998.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	WK	\$5,985.00	\$5,985.00
Carbon Filter - Trailer Mounted, Liquid Phase 300GPM	MO	\$17,955.00	\$17,955.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	DAY	\$315.00	\$315.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	WK	\$1,890.00	\$1,890.00
Carbon Filter - Trailer Mounted, Liquid Phase 85GPM	MO	\$5,670.00	\$5,670.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	DAY	\$892.00	\$892.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	WK	\$5,355.00	\$5,355.00
Carbon Filter - Van mounted, Liquid Phase, 150GPM	MO	\$16,065.00	\$16,065.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	DAY	\$893.00	\$893.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	WK	\$5,355.00	\$5,355.00
Carbon Filter - Van Mounted, Low Profile Air Stripper 100GPM, 1200CFM	MO	\$16,065.00	\$16,065.00
Carbon Filter System - 55gal	DAY	\$585.00	\$230.00
Carnaflex Bags, SeaSlugs - 100 barrel	DAY	CALL	CALL
Carnaflex Bags, SeaSlugs - 200-500 gal	DAY	CALL	CALL
Chains & Binders	DAY	\$20.00	\$20.00
Construction Debris Box, Non Haz Only	DAY	\$21.00	\$21.00
Decon Pool 10' x 10'	DAY	\$100.00	\$100.00
Decon Pool 20' x 100'	DAY	\$300.00	\$300.00

Decon Pool 25' x 50'	DAY	\$150.00	\$150.00
Decontamination Trailer	DAY	\$225.00	\$170.00
Dewatering box	DAY	\$192.00	\$158.00
Drum Scale (Portable)	DAY	\$50.00	\$53.00
Dump Trailer, No Tractor (For on-site Storage Only)	DAY	\$68.00	\$68.00
Eyewash Station	DAY	\$30.00	\$32.00
Generator (5K)	DAY	\$75.00	\$75.00
Generator (8K)	DAY	\$100.00	\$100.00
Generator (12K)	DAY	\$150.00	\$150.00
15 Gal HEPA Filter	DAY	\$150.00	\$158.00
Hand tool package	DAY	\$25.00	\$25.00
Incident Command Unit	DAY	\$1,000.00	\$1,200.00
Intermodal Container	DAY	\$20.00	\$28.00
Intrinsically Safe Drop Light	DAY	\$75.00	\$80.00
Intrinsically Safe Tool Kit	DAY	\$25.00	\$25.00
Light Stand	DAY	\$50.00	\$80.00
Light Tower w/Generator	DAY	\$150.00	\$420.00
Office Trailer	DAY	\$95.00	\$95.00
Personnel Staging Tent 20' x 30'	DAY	\$150.00	\$150.00
Portable Boiler Unit	DAY	\$850.00	\$840.00
Portable Boiler Unit	WK	\$2,975.00	\$2,940.00
Roll-Off Container	DAY	\$15.00	\$18.00
Secondary Containment	DAY	\$60.00	\$38.00
Spotlight, Halogen	DAY	\$79.00	\$79.00
Tank Trailer, No Tractor ( For On-site Storage Only)	DAY	\$400.00	\$420.00
Truck Scale (Portable)	DAY	\$250.00	\$280.00
Vacuum Box with Filtration Unit, Watertight	DAY	\$263.00	\$263.00
Vacuum Box, Watertight	DAY	\$75.00	\$100.00
Van Trailer, No Tractor (For On-site Storage Only)	DAY	\$175.00	\$185.00
Wheel Barrow	DAY	\$20.00	\$20.00
<b>Specialty Equipment</b>			
Acetylene Cutting Torch	DAY	\$100.00	\$110.00

Auger - Electric	DAY	\$68.00	\$68.00
Auger - Heated	MO	\$1,837.00	\$1,837.00
Auger - Manual	DAY	\$55.00	\$60.00
Belt Press	DAY	\$368.00	\$500.00
Chemical Cleaning Unit	HR	\$127.00	\$105.00
Compactor	DAY	\$55.00	\$60.00
Concrete Saw - Walk Behind	DAY	\$254.00	\$210.00
Concrete Saw - Walk Behind	WK	\$1,270.00	\$945.00
Concrete Saw - Walk Behind	MO	\$5,500.00	\$3,675.00
Confined Space Entry Gear	DAY	\$320.00	\$336.00
DBI/Roglics Tripod	DAY	\$60.00	\$60.00
Digital Camera	DAY	\$35.00	\$79.00
Drum Crusher - Portable	HR	\$50.00	\$53.00
Drum Crusher - Portable	DAY	\$400.00	\$420.00
Drum Dolly	DAY	\$20.00	\$20.00
Drum Grabber, Mechanical	DAY	\$26.00	\$26.00
Drum Tilter, Mechanical	DAY	\$158.00	\$158.00
Electric Blower	DAY	\$75.00	\$80.00
Fiber Optic Camera	HR	\$64.00	\$53.00
Fiber Optic Camera	DAY	\$192.00	\$158.00
Fiber Optic Camera Truck	HR	\$166.00	\$137.00
Forklift W/Drum Grabber	DAY	\$350.00	\$368.00
Forklift W/Drum Tiller	DAY	\$350.00	\$368.00
Forklift (2000 Lb. Capacity)	DAY	\$320.00	\$336.00
Hydraulic Shears	DAY	\$175.00	\$750.00
Jet Air Blower	DAY	\$55.00	\$60.00
Plasma Cutting Torch	DAY	\$200.00	\$218.00
Pneumatic Fan Blower	DAY	\$75.00	\$80.00
Pneumatic Remote Drum Opener (penetration)	DAY	\$1,000.00	\$1,100.00
Sandblaster & Hose	DAY	\$150.00	\$158.00
Soil Vent Blower	DAY	\$150.00	\$158.00
Traffic Cones/Barricade	DAY	\$1.05	\$1.05
Traffic Sign - Arrow Board	DAY	\$37.00	\$37.00
Traffic Sign - Other	DAY	\$1.05	\$1.05
Transit Set	DAY	\$100.00	\$115.00
Well Development Rig	HR	\$44.00	\$36.00

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Personal Protective Equipment</b>			
<b>(Per person per change out)</b>			
Level A Intrinsically Safe, Hands Free Communications Package	DAY	\$135.00	\$135.00
Level A with RESPONDER Plus Suit	EA	\$575.00	\$575.00
Level A with RESPONDER Suit	EA	\$275.00	\$275.00
Level B with CPF 2 or Poly Tyvek	EA	\$165.00	\$165.00
Level B with CPF 3 or Saranex Suit	EA	\$175.00	\$175.00
Level B with CPF 4 or Barricade Suit	EA	\$200.00	\$200.00
Level C with CPF 1, CPF 2, or Poly Tyvek Suit	EA	\$50.00	\$50.00
Level C with CPF 4 or Barricade	EA	\$95.00	\$95.00
Level C with CPF3 or Saranex	EA	\$65.00	\$65.00
Level D with Tyvek, Boots, Gloves	DAY	\$15.00	\$15.00
	<b>UoM</b>	<b>Price-Gulf</b>	<b>Price-NE/SE/MW</b>
<b>Chemical Protective Garments</b>			
Kappler CPF1 Apron	EA	\$12.00	\$12.00
Kappler CPF1 Suit (Blue)	EA	\$25.00	\$25.00
Kappler CPF2 Suit (Grey)	EA	\$45.00	\$45.00
Kappler CPF2 Suit w/Strapped Seams (Grey)	EA	\$80.00	\$80.00
Kappler CPF3 Suit w/Hood & Boots (Tan)	EA	\$110.00	\$110.00
Kappler CPF3 Suit w/Hood & Strapped Seams (Tan)	EA	\$96.00	\$96.00
Kappler CPF4 Suit w/Hood & Boots (Green)	EA	\$115.00	\$115.00
Kappler CPF5 Responder Level A Suit (Blue)	EA	\$1,200.00	\$1,200.00
Kappler CPF5 Responder Plus Level A Suit (Orange)	EA	\$1,450.00	\$1,450.00
Barricade Suit	EA	\$65.00	\$65.00
Chemrel Suit, Level B	EA	\$100.00	\$100.00
Chemrel Suit, Level C	EA	\$65.00	\$65.00
Chemtuff Suit, Level B	EA	\$38.00	\$38.00
Chemtuff Suit, Level C	EA	\$32.00	\$32.00
Polycoated Rain Gear, 22mil	EA	\$15.00	\$15.00

Tyvek, Polycast HD/BT	EA	\$15.00	\$15.00
Tyvek, Saranex	EA	\$27.00	\$27.00
Tyvek, White	EA	\$7.50	\$7.50

**Hand Protection**

	UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
12In PVC Gloves	PAIR	\$9.00	\$9.00
14In Neoprene Gloves	PAIR	\$10.00	\$10.00
14In Nitrile Gloves	PAIR	\$10.00	\$10.00
18In PVC Gloves	PAIR	\$10.00	\$10.00
Cotton Winter Glove Liners	PAIR	\$5.00	\$5.00
Cut Resistant Gloves	PAIR	\$22.00	\$22.00
Latex Gloves	BOX	\$10.00	\$10.00
Leather Gloves	PAIR	\$5.50	\$5.50
Puncture Resistant Gloves	PAIR	\$27.00	\$27.00
Silver Shield Gloves	PAIR	\$28.00	\$28.00

**Emergency Response Materials Rates**

Units of Measure specified in UoM column

**Respiratory Protection**

	UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
Acid Cartridges	PAIR	\$15.00	\$15.00
Ammonia Cartridges	PAIR	\$18.00	\$18.00
Asbestos Cartridges	PAIR	\$20.00	\$20.00
Chlorine Cartridges	PAIR	\$18.00	\$18.00
Mercury Cartridges	PAIR	\$37.00	\$37.00
MSA Chemical Cartridge	EA	\$20.00	\$20.00
Organic Vapor Cartridges (No Dust)	PAIR	\$17.00	\$17.00
Organic Vapor/Dust Combination Cartridges	PAIR	\$29.00	\$29.00
Pesticide Cartridges	PAIR	\$24.00	\$24.00

**Foot Protection**

UoM	Price-Gulf NE/SE/MW	Price- NE/SE/MW
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17in Over/Slush Boots - Rental	PAIR	\$11.00	\$11.00
Disposable Boot Covers (Chicken Boots)	PAIR	\$11.00	\$11.00
Non Steel Toe Chest Waders - Purchased	PAIR	\$195.00	\$195.00
Steel Toe Knee Boots - Rental	PAIR	\$25.00	\$25.00

**Head / Facial Protection**

	UoM	Price-Gulf	Price-NE/SE/MW
16oz Eyewash	EA	\$16.00	\$16.00
Chemical Resistant Hoods	EA	\$32.00	\$32.00
Cold Weather Hard Hat Liners	EA	\$7.00	\$7.00
Earplugs	PAIR	\$0.75	\$0.75
Face/Splash Shield	EA	\$17.00	\$17.00
First Aid Kit, 25 Person	EA	\$70.00	\$70.00

**DOT Shipping Containers**

	UoM	Price-Gulf	Price-NE/SE/MW
1 Cubic Yard Flexbin 11G/Y/2022/1122	EA	\$132.00	\$132.00
1 Cubic Yard Supersac 13H2/Y/06	EA	\$60.00	\$60.00
10 Gal / 40 Litre Fiber Drum	EA	\$17.00	\$17.00
110 Gal Steel Drum, New 1A2/Y400S	EA	\$350.00	\$350.00
110 Gal Steel Drum, Reconditioned 1A2/Y400S	EA	\$330.00	\$330.00
15 Gal / 60 Litre Poly Drum 1H1/Y1.8/100	EA	\$50.00	\$50.00
16 Gal / 70 L Closed Poly Drum	EA	\$38.00	\$38.00
16 Gal / 70 L Poly Drum 1H2/Y56/S	EA	\$50.00	\$50.00
16 Gal Fiber Drum	EA	\$22.00	\$22.00
18x18x24in Nonhazardous Pathological Waste Box	EA	\$8.00	\$8.00
20 Gal / 80 Litre Fiber Drum	EA	\$27.00	\$27.00
20 Gal / 80 Litre Poly Drum (1H2/Y56/S)	EA	\$60.00	\$60.00
30 Gal / 120 Litre Closed Poly Drum 1H1/Y1.8/100	EA	\$65.00	\$65.00
30 Gal / 120 Litre Closed Steel Drum, New 1A2/Y1.6/200	EA	\$78.00	\$78.00
30 Gal / 120 Litre Closed Steel Drum, Reconditioned 1A1/Y1.4/100	EA	\$70.00	\$70.00

30 Gal / 120 Litre Fiber Drum 1G/X56/S	EA	\$40.00	\$40.00
30 Gal / 120 Litre Poly Drum 1H2/Y142/S	EA	\$65.00	\$65.00
30 Gal / 120 Litre Steel Drum, New 1A2/Y1.4/100	EA	\$95.00	\$95.00
30 Gal / 120 Litre Steel Drum, Reconditioned 1A2/Y1.2/100	EA	\$55.00	\$55.00
4ft Fluorescent Tube Box 4G/Y275	EA	\$12.00	\$12.00
5 Gal / 20 Litre Closed Poly Drum 1H1/Y1.8/170	EA	\$20.00	\$20.00
5 Gal / 20 Litre Closed Steel Drum 1A1/Y1.8/300	EA	\$25.00	\$25.00
5 Gal / 20 Litre Poly Drum 1H2/Y1.5/60	EA	\$15.00	\$15.00
5 Gal / 20 Litre Steel Drum 1A2/Y1.8/100	EA	\$25.00	\$25.00
5.5 Gal / 20 L Steel Drum 1A2/Y23/S	EA	\$16.00	\$16.00
55 G / 205 L Closed Steel Drum, Recon 1A1/Y1.4/100 (17-E)	EA	\$35.00	\$35.00
55 G / 205 L Steel Drum, Reconditioned 1A2/Y1.2/100 (17-H)	EA	\$56.00	\$56.00
55 Gal / 205 L Stainless Steel Drum, Reconditioned	EA	\$220.00	\$220.00
55 Gal / 205 Litre Closed Poly Drum 1H1/Y1.8/150	EA	\$75.00	\$75.00
55 Gal / 205 Litre Closed Poly Drum 1H1/Y1.8/150, Recycled	EA	\$45.00	\$45.00
55 Gal / 205 Litre Closed Steel Drum, New 1A1/Y1.8/300	EA	\$83.00	\$83.00
55 Gal / 205 Litre Fiber Drum 1G/Y190/S	EA	\$47.00	\$47.00
55 Gal / 205 Litre Poly Drum 1H2/Y237/S	EA	\$125.00	\$125.00
55 Gal / 205 Litre Steel Drum Heavy Gauge 1A2/1.5/100 (17-C)	EA	\$115.00	\$115.00
55 Gal / 205 Litre Steel Drum, New 1A2/Y1.5/100	EA	\$95.00	\$95.00
55 Gal/205 Litre Steel Drum Poly Line 6H/11/X1.5/280 (6D/37M)	EA	\$160.00	\$160.00
85 Gal / 320 Litre Steel Drum, New 1A2/X400/S	EA	\$200.00	\$200.00
85 Gal / 320 Litre Steel Drum, Recycled 1A2/X400/S	EA	\$155.00	\$155.00
8ft Fluorescent Tube Box 4G/Y275	EA	\$18.00	\$18.00

95 Gal Poly Drum 1H2/Y318/S (Overpack)	EA	\$235.00	\$235.00
Asbestos Bag	EA	\$1.40	\$1.40
Cubic Yard Box for Non-Haz Waste	EA	\$83.00	\$83.00
Drum Liners	EA	\$15.00	\$15.00
Drum Rings/Bolts/Gaskets	EA	\$23.00	\$23.00
Dump Trailer Poly Liner	EA	\$84.00	\$84.00
Filter/Liner for Filter Box	EA	\$315.00	\$315.00
Flexbin/Cubic Yard Box Liner	EA	\$22.00	\$22.00
Fluorescent Bulb Tubes, 8ft 100 bulb capacity	EA	\$68.00	\$68.00
Fluorescent Bulb Tubes, 8ft 125 bulb capacity	EA	\$68.00	\$68.00
Pathological Waste Bag	EA	\$5.25	\$5.25
Poly Sheet, 6mil 20ft x 100ft	EA	\$95.00	\$95.00
Rolloff Poly Liner	EA	\$68.00	\$68.00
Oversized heavy duty biohaz bag	EA	\$35.00	\$35.00
Poly Bags, 6mil, per Roll	EA	\$125.00	\$125.00
Waste Wrangler	EA	\$163.00	\$163.00

### Absorbent Materials

	UoM	Price-Gulf	Price-NE/SE/MW
Absorbent Boom, 3in x 4ft	EA	\$5.25	\$5.25
Absorbent Boom, 5in x 10ft x 4/Bale	BALE	\$135.00	\$135.00
Absorbent Boom, 8in x 10ft x 4/Bale	BALE	\$215.00	\$215.00
Absorbent Pad (101 Grade) 100/bale	BALE	\$110.00	\$110.00
Absorbent Pillow, 14in x 25in	EA	\$25.00	\$25.00
Absorbent Pillow, 14in x 25in x 10/Bale	BALE	\$140.00	\$140.00
Absorbent Roll, 38in x 144ft	EA	\$155.00	\$155.00
Absorbent Rug, 36in x 300ft	EA	\$220.00	\$220.00
Absorbent Rug, 17in x 100ft	BALE	\$140.00	\$140.00
Activated Carbon for Water treatment systems	LBS	\$2.50	\$2.50
Corn Cob Absorbent	PAL	\$315.00	\$315.00
Corn Cob Absorbent 40lb / 18 kg bag	BAG	\$15.00	\$15.00
HGX Absorbent (Mercury absorbent)	LBS	\$16.00	\$16.00
HGX Absorbent (Mercury Absorbent), 5 lbs container	CALL	CALL	CALL
Oil Snare, Loose in Bag	BOX	\$57.00	\$57.00
Oil Snare, on a Line, 50ft	EA	\$84.00	\$84.00

Poly Absorbent, 20 lb / 23 kg	BAG	\$90.00	\$90.00
Rags, 50 lb / 23 kg	BOX	\$52.00	\$52.00
Saw Dust, 20 lb / 9 kg	BAG	\$8.00	\$8.00
Speedi Dry	BAG	\$10.00	\$10.00
SPI Solidification Particulate (Oil Bond)	LBS	\$15.00	\$15.00
SPI Waterbond	LBS	\$12.00	\$12.00
Vermiculite 4 cuft / 3 cubic meter	BAG	\$20.00	\$20.00

**Degreasers & Neutralizing Agents**

	UoM	Price-Gulf	Price-NE/SE/MW
142 Solvent	GAL	\$9.00	\$9.00
Antifreeze, Concentrate	GAL	\$5.00	\$5.00
Capsur	GAL	\$150.00	\$150.00
Citric Acid Solution, 15%	GAL	\$6.00	\$6.00
Citrus Cleaner Degreaser	GAL	\$53.00	\$53.00
Diesel Fuel Used a Cleaner	GAL	CALL	CALL
Hydrated Lime, 50 lb / 23 kg	BAG	\$7.00	\$7.00
Hydrochloric Acid	LBS	\$3.00	\$3.00
Liquid Alive	GAL	\$73.00	\$73.00
No Flash	GAL	\$24.00	\$24.00
Penatone Degreaser	GAL	\$28.00	\$28.00
PES 51 Cleaner	GAL	\$65.00	\$65.00
Pink Stuff Degreaser	GAL	\$17.00	\$17.00
Sanimate Degreaser	GAL	\$17.00	\$17.00
Sea Clean Degreaser, 5 Gal / 20 Litre	EA	\$72.00	\$72.00
Simple Green Degreaser	GAL	\$25.00	\$25.00
Soda Ash, 100 lb / 45 kg	BAG	\$44.00	\$44.00
Sodium Bisulfate 50 lb / 23 kg	BAG	\$105.00	\$105.00
Sodium Hypochlorite, 15% (Bleach)	GAL	\$6.00	\$6.00
Spray Gel	GAL	\$25.00	\$25.00
Trichloroethane	GAL	\$7.00	\$7.00

**Sampling And Lab Supplies**

UoM	Price-Gulf	Price-NE/SE/MW
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8oz Sample Jars	EA	\$11.00	\$11.00
12oz Sample Jar w/Cover	EA	\$3.00	\$3.00
16oz Sample Jar w/Cover	EA	\$4.00	\$4.00
32oz Sample Jar w/Cover	EA	\$5.00	\$5.00
CHLOR-D-TECT 4000 Test Kit (Halogens)	EA	\$20.00	\$20.00
CHLOR-N-OIL Test Kit 0-50ppm PCB	EA	\$20.00	\$20.00
CHLOR-N-OIL Test Kit 50-500ppm (PCB)	EA	\$15.00	\$15.00
Draeger Tube	EA	\$20.00	\$20.00
Hanby Soil Reagent/Sample	EA	\$48.00	\$48.00
pH Paper, 1-14/Roll	EA	\$12.00	\$12.00
Sample Tube	EA	\$11.00	\$11.00

**Buna/Velluminoid Materials**

	UoM	Price-Gulf	Price-NE/SE/MW
2in Flange/Ring Gasket	EA	\$5.00	\$5.00
3in Flange/Ring Gasket	EA	\$6.00	\$6.00
4in Flange/Ring Gasket	EA	\$8.00	\$8.00
6in Flange/Ring Gasket	EA	\$12.00	\$12.00
8in Flange/Ring Gasket	EA	\$13.00	\$13.00
10in Flange/Ring Gasket	EA	\$16.00	\$16.00
12in Flange/Ring Gasket	EA	\$17.50	\$17.50
14in Flange/Ring Gasket	EA	\$19.00	\$19.00
16in Flange/Ring Gasket	EA	\$20.00	\$20.00
24 - 36in Manhole Gasket	EA	\$70.00	\$70.00

**Marine Equipment**

	UoM	Price-Gulf	Price-NE/SE/MW
1/2in Galvanized Shackles/Screwpin	EA	\$10.00	\$10.00
1/2in Galvanized Swivel/Eye&Eye	EA	\$25.00	\$25.00
10in Inflatable Buoy	EA	\$41.00	\$41.00
13in Inflatable Buoy	EA	\$63.00	\$63.00
19in Inflatable Buoy	EA	\$85.00	\$85.00
24in Safety Throw Ring	EA	\$110.00	\$110.00
6in Pick up Buoy	EA	\$31.00	\$31.00
3/8in Unguarded Galvanized Chain	FT	\$6.00	\$6.00

Anchor, 18Lb	EA	\$92.00	\$92.00
Anchor, 22Lb	EA	\$110.00	\$110.00
Anchor, 25Lb	EA	\$185.00	\$185.00
Anchor, 40Lb	EA	\$292.00	\$292.00
Anchor, 43Lb	EA	\$305.00	\$305.00
PFJ Safety Light	EA	\$21.00	\$21.00
PFJ Survival Suit	DAY	\$840.00	\$840.00
Signal Horn	EA	\$28.00	\$28.00
1/2in Nylon Rope	FT	\$0.85	\$0.85
1/2in Poly Rope	FT	\$0.35	\$0.35
1/8in Poly Rope	FT	\$0.25	\$0.25
12" Masonry Cutting Wheel	EA	\$52.00	\$52.00
12" Metal Cutting Wheel	EA	\$25.00	\$25.00
12in Masonry Cutting Wheel Blade	EA	\$13.50	\$13.50
12in Metal Cutting Wheel Blade	EA	\$13.50	\$13.50

**Hand Tool/Construction Accessories  
one time charge per item for the duration  
of event**

	UoM	Price-Gulf	Price-NE/SE/MW
16in Street Broom	EA	\$30.00	\$30.00
24in Floor Broom	EA	\$30.00	\$30.00
3 Gal Pump Spray Bottle	EA	\$45.00	\$45.00
3/8in Manila Rope	FT	\$0.35	\$0.35
3/8in Manila Rope Coil, 600ft	EA	\$145.00	\$145.00
3in Long Handle Scraper	EA	\$20.00	\$20.00
3in Scraper	EA	\$12.00	\$12.00
Bow Rake	EA	\$40.00	\$40.00
Carbide Blade	EA	\$12.50	\$12.50
Caution Tape/Roll	EA	\$45.00	\$45.00
Chemical Tape/Roll	EA	\$40.00	\$40.00
Corn Broom	EA	\$20.00	\$20.00
Deck/Scrub Brush	EA	\$15.00	\$15.00
Disposal Hand Pump/Siphon Pump	EA	\$26.00	\$26.00
Duct Tape/Roll	EA	\$10.00	\$10.00
Extension Cord, 50ft	EA	\$35.00	\$35.00

Fence Stakes	EA	\$8.00	\$8.00
Fence, Slit 100ft	EA	\$125.00	\$125.00
Flat Shovel	EA	\$27.00	\$27.00
Garden Hoe	EA	\$25.00	\$25.00
Garden Rake	EA	\$25.00	\$25.00
Pitch Fork	EA	\$45.00	\$45.00
Plastic Shovel	EA	\$20.00	\$20.00
Sawzall Blade	EA	\$27.00	\$27.00
Shrink Wrap	ROL	\$40.00	\$40.00
Small Sledge Hammer	EA	\$35.00	\$35.00
Snow Fence/Safety Fence, 50ft	EA	\$50.00	\$50.00
Spaded Shovel	EA	\$30.00	\$30.00
Squeegee	EA	\$32.00	\$32.00

**UOM Price-Gulf Price-NE/SE/MW**

**OPA-90/ER Coverage, Site Walk & Documentation Fees**  
**CH will continue to invoice all locations on one invoice.**

**CH will provide one PREP Equipment Deployment report to CITGO Corp.**

Annual Site Walk and Response Plan Listing Fee	EA	No Charge	No Charge
Annual Site Walk and Response Plan Listing (Unregulated) Fee	EA	No Charge	No Charge
Additional Site Walk (w/in 50 miles of CHES) Fee	EA	\$300.00	\$300.00
Multi-State/Multi-Site Response Plan Listing & Site Walk Fee	EA	\$1,600.00	\$1,600.00
OPA-90 PREP (EQP Deployment) Documentation Fee	EA	No Charge	No Charge
OPA-90 FRP Lstng (Secondary Cvrng, single-site) & Site Walk	EA	\$650.00	\$650.00
OPA-90 Additional Site Walk (w/in 50 miles of CHES)	EA	\$300.00	\$300.00
OPA-90 FRP Secondary Listing-Multi-Sites	EA	\$900.00	\$900.00

OPA-90 FRP Primary OSRO Listing-Single Site	EA	\$900.00	\$900.00
OPA-90 FRP Primary Listing-Additional Sites	EA	\$300.00	\$300.00
Etiological & Infectious Matl E/R Cvrq & Site Walk	EA	\$1,200.00	\$1,200.00
Additional Site Coverage (each site)	EA	\$300.00	\$300.00
Minimum Charge for ER or BioHaz Jobs	EA	\$2,000.00	\$2,000.00
After Action Report	EA	No Charge	No Charge
Safety Plan - Standard	EA	\$275.00	\$275.00
<b>Miscellaneous</b>			
#25 Filter Bag	EA	\$7.00	\$7.00
Acetylene Bottle	EA	\$40.00	\$40.00
Breathing Air Bottle Refill	EA	\$25.00	\$25.00
Collection Jar for Mercury Vacuum	EA	\$35.00	\$35.00
DOT Placards	EA	\$2.75	\$2.75
Dump Truck Bow	EA	\$25.00	\$25.00
Dump Truck Tow	EA	\$320.00	\$320.00
Filtration Bag for Mercury Vacuum	EA	\$21.00	\$21.00
Hand Cleaner	EA	\$25.00	\$25.00
Nitrogen Cylinder - 300 cuft	DAY	\$50.00	\$50.00
Propane Bottle	EA	\$60.00	\$60.00
Rolloff Bow	EA	\$30.00	\$30.00
Rolloff Tow	EA	\$350.00	\$350.00
Super Baffler Styrofoam Reusable Paint Filter, 20/case	CASE	\$160.00	\$160.00

**Emergency Response Analytical Rates**  
Unit of Measure is Each

	UoM	Price-Gulf	Price-NE/SE/MW
<b>Organic Analyses</b>			
Acid Extractables - EPA method 625/8270	Each	\$248.00	\$248.00
Aromatic Volatile Organics - EPA method 602/8020	Each	\$105.00	\$105.00
Base/Neutral & Acid Extractables - EPA method 625/8270	Each	CALL	CALL
Base/Neutral Extractables - EPA method 625/8270	Each	\$285.00	\$285.00
Chlorinated Herbicides	Each	\$255.00	\$255.00
Extractable Petroleum Hydrocarbon, Deluxe - MA DEP EPH	Each	\$295.00	\$295.00
Extractable Petroleum Hydrocarbon, Standard - MA DEP EPH	Each	\$185.00	\$185.00
Halogenated Volatile Organics - EPA method 601/8010	Each	\$116.00	\$116.00
Hydrocarbon Identification & Quantification - EPA method 8100	Each	\$160.00	\$160.00
<b>Library Search GC/MS</b>			
BNA (20 substances of greatest apparent concentration)	Each	\$85.00	\$85.00
VOA (10 substances of greatest apparent concentration)	Each	\$65.00	\$65.00
Organochlorine Pesticides - EPA method 608/8080	Each	\$153.00	\$153.00
Organochlorine Pesticides & PCB - EPA method 608/8080	Each	\$195.00	\$195.00
Organophosphorous Pesticides - EPA method 8140	Each	\$336.00	\$336.00
PCBS, Oil - EPA method 600/4-81-045	Each	\$100.00	\$100.00
PCBS, Water or Solid - EPA method 608/8080	Each	\$116.00	\$116.00
PCBS, Wipe - EPA method 8080	Each	\$100.00	\$100.00
Polychlorinated Dioxins/Furans - EPA method 8280	Each	\$1,750.00	\$1,750.00
Polynuclear Aromatic Hydrocarbons by HPLC - EPA method 8310	Each	\$305.00	\$305.00
Total Petroleum Hydrocarbons as Diesel - EPA method 8015	Each	\$110.00	\$110.00

Total Petroleum Hydrocarbons as Gasoline - EPA method 8015	Each	\$97.00	\$97.00
Volatile Organics - EPA method 624/8260	Each	\$190.00	\$190.00
Volatile Petroleum Hydrocarbon, Deluxe - MA DEP VPH	Each	\$150.00	\$150.00
Volatile Petroleum Hydrocarbon, Standard - MA DEP VPH	Each	\$110.00	\$110.00

### Trace Metals Analyses

#### Individual Metals By:

Chromium Hexavalent - SM3500-Cr D/7196	Each	\$45.00	\$45.00
Direct Aspiration (Flame (AA) or ICP) - EPA Series 200/7000	Each	\$18.00	\$18.00
Graphite Furnace - EPA Series 200/7000	Each	\$30.00	\$30.00
Mercury - Cold Vapor - EPA Methods 245.1/7470/7471	Each	\$45.00	\$45.00

### Inorganic Analyses

Acidity - EPA method 305.1	Each	\$25.00	\$25.00
Alkalinity - EPA method 310.1	Each	\$25.00	\$25.00
Ash Content - ASTM D482-80	Each	\$45.00	\$45.00
Biochemical Oxygen Demand - EPA method 405.1	Each	\$45.00	\$45.00
Bromide - EPA method 320.1	Each	\$45.00	\$45.00
BTU (Heating Value) - ASTM D240-76	Each	\$132.00	\$132.00
Chemical Oxygen Demand - EPA method 410	Each	\$35.00	\$35.00
Chloride - EPA method 325.3	Each	\$25.00	\$25.00
Chlorine, Residual - SM 4500 Cl G	Each	\$25.00	\$25.00
Chlorine, Total - EPA method 330.5	Each	\$30.00	\$30.00
Cyanide, Amenable to Chlorination - EPA methods 335.1/9010	Each	\$60.00	\$60.00
Cyanide, Reactive - EPA method 7.3.3.2	Each	\$50.00	\$50.00
Cyanide, Total - EPA methods 335.2/9010	Each	\$45.00	\$45.00
Flashpoint - EPA method 1010/ASTM D1310-84	Each	\$40.00	\$40.00
Fluoride - EPA method 340.1	Each	\$30.00	\$30.00
Halogens, Total - ASTM Methods D808/D512	Each	\$140.00	\$140.00
Hardness - EPA method 130.2	Each	\$25.00	\$25.00

Nitrogen, Ammonia - EPA method 350.2	Each	\$35.00	\$35.00
Nitrogen, Kjeldahl - EPA method 351.3	Each	\$45.00	\$45.00
Nitrogen, Nitrate - EPA method 352.1	Each	\$35.00	\$35.00
Nitrogen, Nitrate & Nitrite - EPA method 353.2/352.1/354.1	Each	\$35.00	\$35.00
Nitrogen, Nitrite - EPA method 354.1	Each	\$30.00	\$30.00
Nitrogen, Organic - EPA methods 351.3/350.2	Each	\$60.00	\$60.00
Oil & Grease, Gravimetric, Total - EPA methods 413.1/9070	Each	\$60.00	\$60.00
Oil & Grease, Gravimetric, Petroleum Hydrocarbon - SM 5520F	Each	\$82.00	\$82.00
Oil & Grease, Infrared (IR), Total - SM 5520F	Each	\$80.00	\$80.00
Oil & Grease, Infrared (IR), Total & Petroleum Hydrocarbon -SM5520F	Each	\$85.00	\$85.00
Oil & Grease, Infrared (IR), Total Petroleum Hydrocarbon -EPA Method 418.2	Each	\$78.00	\$78.00
Paint Filter Test - EPA method 9095	Each	\$30.00	\$30.00
pH - EPA methods 150.1/9040/9045	Each	\$20.00	\$20.00
Phenols, Total - EPA methods 420.1/9065	Each	\$45.00	\$45.00
Phosphorous, Orthophosphate - EPA method 365.2	Each	\$35.00	\$35.00
Phosphorous, Total - EPA method 365.2	Each	\$45.00	\$45.00
Sieve Test - ASTM D422-63	Each	\$195.00	\$195.00
Solids, Settleable - EPA method 160.5	Each	\$20.00	\$20.00
Solids, Total - EPA method 160.3/SM 2540G	Each	\$20.00	\$20.00
Solids, Total Dissolved - EPA method 160.1	Each	\$25.00	\$25.00
Solids, Total Suspended - EPA method 160.2	Each	\$20.00	\$20.00
Solids, Total Volatile - EPA method 160.4	Each	\$25.00	\$25.00
Specific Conductance - EPA method 120.1	Each	\$20.00	\$20.00
Specific Gravity - ASTM D1429-76	Each	\$50.00	\$50.00
Sulfate - EPA method 375.4/9036	Each	\$30.00	\$30.00
Sulfide, Reactive - EPA method 7.3.4.2	Each	\$55.00	\$55.00
Sulfide, Total - EPA method 376.1/9030	Each	\$35.00	\$35.00
Sulfite - EPA method 377.1	Each	\$30.00	\$30.00
Sulfur - ASTM D129-64	Each	\$95.00	\$95.00
Surfactants - EPA method 425.1	Each	\$80.00	\$80.00
Total Organic Carbon - EPA methods 415.1/9060	Each	\$70.00	\$70.00

Turbidity - EPA method 180.1	Each	\$20.00	\$20.00
Viscosity - ASTM D455-88	Each	\$112.00	\$112.00

### Environmental Packages

#### Toxicity Characteristic Leaching Procedure

Base/Neutral & Acid Extractable Organics - EPA method 8270	Each	\$420.00	\$420.00
Chlorinated Herbicides - EPA method 8150	Each	\$215.00	\$215.00
Extraction for Metals, Base/Neutral & Acid Extractables, Pesticides and Herbicides - EPA method 1311	Each	\$80.00	\$80.00
Full TCLP Analysis	Each	\$1,295.00	\$1,295.00
Metals - EPA 7000 Series	Each	\$150.00	\$150.00
Organochlorine Pesticides - EPA method 8080	Each	\$155.00	\$155.00
Volatile Organics - EPA method 8260	Each	\$185.00	\$185.00
Zero Headspace Extraction - EPA method 1311	Each	\$105.00	\$105.00

### Appendix IX Analyses

Base/Neutral & Acid Extractable Organics - EPA method 8270	Each	\$645.00	\$645.00
Chlorinated Herbicides - EPA method 8150	Each	\$320.00	\$320.00
Cyanide - EPA method 9010	Each	\$40.00	\$40.00
Metals - EPA 7000 Series	Each	\$330.00	\$330.00
Organochlorine Pesticides - EPA method 8080	Each	\$280.00	\$280.00
Organophosphorus Pesticides - EPA method 8140	Each	\$320.00	\$320.00
Polychlorinated Dioxins/Furans - EPA method 8280	Each	\$1,750.00	\$1,750.00
Sulfide - EPA method 9030	Each	\$40.00	\$40.00
Volatile Organics - EPA method 8260	Each	\$310.00	\$310.00

### Surcharge Schedule

Surcharge for expedited turnaround, data within 24hrs - 100%

Surcharge for expedited turnaround, data within  
48hrs - 75%  
Surcharge for expedited turnaround, data within  
72hrs - 50%  
Surcharge for expedited turnaround, data within  
96hrs- 35%

#### **Waste Material Approval**

Profile Approval Fee (no sample required per  
permit)  
Profile Approval Fee & Sample Fingerprinting\*  
Profile Approval Fee & Sample Treatability\*

\*Plus Shipping

### **Emergency Response Notes**

#### **Price-Gulf**

All labor, equipment, materials and services outlined in this Schedule of Rates will be invoiced at the rates listed, regardless of Clean Harbors' (CHESI) method of acquisition. Any items not described in this Schedule of Rates which are acquired by CHESI shall be invoiced at CHESI cost plus a markup of thirty percent 17.5 %. (Unless otherwise specified, these rates are not valid for response to Infectious Agents/Biologicals.)

1.

#### **Price-NE/SE/**

#### **MW**

All labor, equipment, materials and services outlined in this Schedule of Rates will be invoiced at the rates listed, regardless of Clean Harbors' (CHESI) method of acquisition. Any items not described in this Schedule of Rates which are acquired by CHESI shall be invoiced at CHESI cost plus a markup of thirty percent 17.5 %. (Unless otherwise specified, these rates are not valid for response to Infectious Agents/Biologicals.)

2.

Lodging and subsistence for CHESI personnel and our subcontractors in the field are included in a per diem charge per person per day when working more than 50 miles from our closest operations center. The rate is outlined in the labor section of this document.

Lodging and subsistence for CHESI personnel and our subcontractors in the field are included in a per diem charge per person per day when working more than 50 miles from our closest operations center. The rate is outlined in the labor section of this document.

3. Joint decision between CITGO IH and CH will determine the level of protection required for each project. Level A, B, C or D personal protection and safety packages will be invoiced at the rates shown in the Schedule of Rates.
  4. The Schedule of Rates includes the cost of CHESI basic medical monitoring program. Any special medical monitoring required by the client or the nature of the work will be added to the project scope and the client will invoice at cost plus a markup of 15%.
  5. CHESI's personnel and equipment will be charged portal-to-portal (mobilization and demobilization included). Services provided prior, during and/or subsequent to actual project site activities will also be charged at the hourly rate. This includes, but is not limited to, time taken by personnel to decontaminate and re-don protective clothing and equipment that is billed as part of the project.
  6. CHESI's normal employee workday is 7:00 am to 3:30 pm, Monday through Friday. Other work hours must be agreed to in writing in advance. No more than eight (8) hours of straight time will be billed for one person for one day. All time will be based upon a 24 hour day.
  7. All hours worked in excess of eight (8) hours in the normal workday, as described above, as well as all hours worked all day Saturday are considered overtime and will be billed at 1.5 times the applicable straight time rate for all billable personnel.
  8. Sunday and Holidays are considered premium time and will be billed at 2.0 times the applicable straight time rate for all billable personnel. Holidays are the legally observed United States Federal Holidays plus the day after Thanksgiving. When local laws or regulations recognize additional holidays or when local laws or regulations define premium hours in excess of this definition, CHESI will invoice in accordance with local laws or regulations.
3. Joint decision between CITGO IH and CH will determine the level of protection required for each project. Level A, B, C or D personal protection and safety packages will be invoiced at the rates shown in the Schedule of Rates.
  4. The Schedule of Rates includes the cost of CHESI basic medical monitoring program. Any special medical monitoring required by the client or the nature of the work will be added to the project scope and the client will invoice at cost plus a markup of 15%.
  5. CHESI's personnel and equipment will be charged portal-to-portal (mobilization and demobilization included). Services provided prior, during and/or subsequent to actual project site activities will also be charged at the hourly rate. This includes, but is not limited to, time taken by personnel to decontaminate and re-don protective clothing and equipment that is billed as part of the project.
  6. CHESI's normal employee workday is 7:00 am to 3:30 pm, Monday through Friday. Other work hours must be agreed to in writing in advance. No more than eight (8) hours of straight time will be billed for one person for one day. All time will be based upon a 24 hour day.
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  8. Sunday and Holidays are considered premium time and will be billed at 2.0 times the applicable straight time rate for all billable personnel. Holidays are the legally observed United States Federal Holidays plus the day after Thanksgiving. When local laws or regulations recognize additional holidays or when local laws or regulations define premium hours in excess of this definition, CHESI will invoice in accordance with local laws or regulations.

9. All emergency call-outs (i.e., less than 24-hour notice) will be subject to a minimum four (4) hour response charge or \$2000.00 minimum charge, whichever is greater. Minimum charges do not apply to Transportation and Disposal.
10. A mobile communication charge of \$50 per day for will apply for each foreman and all supervisor personnel for all emergency response projects.
11. Charges for Safety Plans are assessed on all Emergency Response projects, or those involving OSHA regulated substances. Site Specific Health & Safety Plans prepared for the customer, or as required by applicable regulations, will be quoted on an individual basis.
12. A variable Energy and Security Recovery Fee (that fluctuates with the DOE national average diesel price), will be applied to the cost of fuel only. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
13. For the purposes of determining proper wages to be paid on prevailing wage projects, Field Technician and Senior Field Technician shall be defined as equivalent to the "Laborer" job description from the wage determination. Other CHESI job titles should be consistent with existing prevailing wage categories.
14. For equipment identified in this Schedule of Rates that includes a daily rate, a "Day" is defined as not more than 24. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
- All emergency call-outs (i.e., less than 24-hour notice) will be subject to a minimum four (4) hour response charge or \$2000.00 minimum charge, whichever is greater. Minimum charges do not apply to Transportation and Disposal.
- A mobile communication charge of \$50 per day for will apply for each foreman and all supervisor personnel for all emergency response projects.
- Charges for Safety Plans are assessed on all Emergency Response projects, or those involving OSHA regulated substances. Site Specific Health & Safety Plans prepared for the customer, or as required by applicable regulations, will be quoted on an individual basis.
- A variable Energy and Security Recovery Fee (that fluctuates with the DOE national average diesel price), will be applied to the cost of fuel only. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.
- For the purposes of determining proper wages to be paid on prevailing wage projects, Field Technician and Senior Field Technician shall be defined as equivalent to the "Laborer" job description from the wage determination. Other CHESI job titles should be consistent with existing prevailing wage categories.
- For equipment identified in this Schedule of Rates that includes a daily rate, a "Day" is defined as not more than 24. The Marine and on site equipment deployed by CH includes first tank of fuel only - CITGO to provide all additional fuels during project/evnt.

15. For equipment identified in this Schedule of Rates that includes a weekly rate, a "Week" is defined as not more than seven (7) Daily Rate charges in a seven (7) day period, Monday through Sunday. The equipment will be subject to additional days or hours in excess of seven (7) Daily Rate charges in a week, not to exceed two weekly charges in a single 7 day week, Monday through Sunday.

For equipment identified in this Schedule of Rates that includes a weekly rate, a "Week" is defined as not more than seven (7) Daily Rate charges in a seven (7) day period, Monday through Sunday. The equipment will be subject to additional days or hours in excess of seven (7) Daily Rate charges in a week, not to exceed two weekly charges in a single 7 day week, Monday through Sunday.

16. All waste disposal from project and or response activities will be charged additionally to the rates lists herein. A Waste Document Preparation Fee of \$75.00 per day will apply to any work generating waste. The fee includes labels, manifests/bills of lading and profiles.

All waste disposal from project and or response activities will be charged additionally to the rates lists herein. A Waste Document Preparation Fee of \$75.00 per day will apply to any work generating waste. The fee includes labels, manifests/bills of lading and profiles.

17. Standby charges will be negotiated on a case-by-case basis.

Standby charges will be negotiated on a case-by-case basis.



**24-HR EMERGENCY RESPONSE  
(800) OIL-TANK  
(800) 645-8265**

**EMERGENCY RESPONSE  
RESOURCE BOOK**

**MANAGED BY THE CLEAN HARBORS NATIONAL RESPONSE TEAM (NRT)**



## COMPANY QUALIFICATIONS

Clean Harbors Environmental Services (CHES) is a multidisciplinary company of managers, supervisors, equipment operators, engineers, biologists, chemists, skilled craftsmen and experienced technicians. It is from the varied background of its employees that CHES has emerged as the leader in providing Oil Spill Response services in the Northeast, Midwest, Mid-Atlantic and Southeast regions. This dedication to Oil Spill Response coupled with CHES's full range of environmental services has made CHES the premier provider of spill clean-up services.

Clean Harbors provides 24-hour emergency oil spill response services to a diversified group of customers on an integrated basis. These services are typically provided to petroleum, chemical, transportation, utility, industrial firms, other waste management companies and regulatory agencies in the more than 40 states where we operate. Our clients include the majority of the Fortune 500 companies, thousands of smaller private entities and numerous governmental agencies including the U.S. Coast Guard and Environmental Protection Agency.

Clean Harbors maintains 74 service locations, 48 treatment, storage and disposal (TSD) facilities and 5 incineration facilities serving 36 states, 6 Canadian Provinces, Mexico, and Puerto Rico. We employ over 4400 personnel, 800 of which are actively involved in oil and hazardous material related services and of these, 500 are experienced in oil and hazardous materials emergency response containment and clean-up.

Throughout its 25-year history, Clean Harbors has responded to numerous incidents involving large tankers, barges, transportation, refinery, pipeline and storage facility incidents, as well as natural disasters.

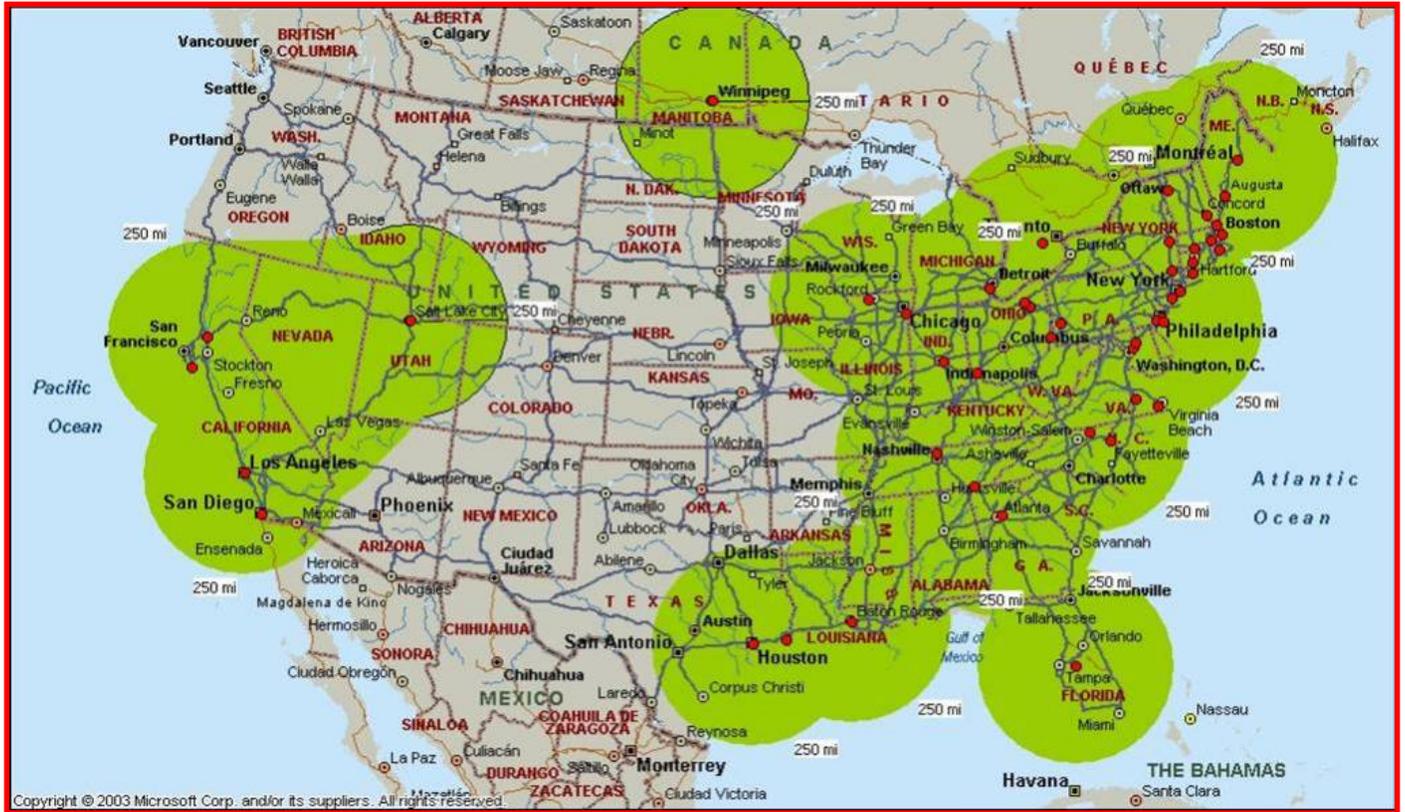
Clean Harbors offers its customers not only 24-hour Emergency oil spill response, but also the necessary backup components to complete an entire project. Services such as environmental remediation including surface remediation, groundwater restoration, underground storage tank management, and site decontamination are essential to successful emergency response activities. Their remedial programs are designed to provide both planned and emergency services to the variety of environmental situations that can develop from an emergency spill.

Our Waste management offering includes the collection, treatment, resource recovery, transportation and disposal of oil spill debris and other wastes generated as a result of a spill. Clean Harbors has four out of our nineteen hazardous waste treatment/transfer facilities designed specifically for oil treatment/recycling and storage. In addition, their waste management includes the treatment, storage and disposal of most hazardous, industrial, and toxic wastes as well as oil spill liquid and solid residue.

Technical capabilities include the environmental engineering group and certified analytical capabilities. These services, coupled with our remedial and waste management capabilities, allow us to offer a complete solution to complex environmental requirements.

For an in-depth, comprehensive look at all services provided by Clean Harbors, please visit our website at [www.cleanharbors.com](http://www.cleanharbors.com).

# EMERGENCY RESPONSE COVERAGE MAP



Coverage Map Updated February 2, 2006

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## STATEMENT OF PURPOSE

This booklet is provided to assist all those involved in emergency response services. The booklet contains names and phone numbers of key personnel in various departments who may be needed "on" or "off" hours to support an emergency response incident.

The listing will be updated twice a year and distributed to managers and supervisors in all divisions involved in emergency response operations.

Clean Harbors Environmental Services  
Attn: Brian Pott  
pott.brian@cleanharbors.com  
Response Preparedness Division  
42 Longwater Drive  
Norwell, MA 02061-9149

## SERVICE CENTERS

### NORTHEAST REGION SERVICE CENTERS

<b>BANGOR, ME SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(207) 262-9504</b>
<b>40B Carey Circle</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Hampden, ME 04444</b>	<b>Fax #</b>	<b>(207) 262-9560</b>

Matt Quinn, General Manager  
Jason Babbidge, Operations Manager

EPA / Federal ID #: N/A

#### Personnel Authorized to release equipment / materials / manpower, etc:

Matt Quin  
Ray Babbidge  
Jason Babbidge

#### 40-Hour OSHA Trained Personnel:

Supervisor	2
Foreman	2
Field Technician I	4
Equipment Operator	3

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
21 ft Pointer	Searsport	115 H.P.	1
12 ft Jon Boat	Bangor	10 H.P.	1
<b>(2) Motor Vehicles</b>			
Rack Truck	Bangor	10 Wheel	1
Pickup Truck	Bangor	4x4	1
Pickup	Bangor	3/4 Ton Ford	2
High Power Vacuum Truck	Bangor	3000 gal Pressvac	1
<b>(3) Pumps and Pressure Equipment</b>			
Hotsy Pressure Washer	Bangor	3,000 PSI - trailer mounted	1
Wilden Diaphragm Pump	Bangor	2" Oil	2
Wilden Diaphragm Pump	Bangor	3" Oil	1
Air Driven Drum Pump	Bangor	2"	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Bangor	Langerman 18"	2200'
Log Boom	Bangor		10 bales
Snare	Bangor		16 bales
Pads	Bangor		80 bales
<b>(5) Environmental Monitoring Equipment</b>			
Photoionisation Meter	Bangor	HNU P101	1
Oxygen LEL Meter	Bangor	MSA Miniguard II	1
Drager Pump	Bangor	with Miscellaneous Tubes	1
Passport	Bangor		1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(6) Recovery Equipment</b>			
Portable Tanks	Bangor	300 Gallons Stainless Steel	2
Portable Tanks	So. Portland	400 gallon Poly	2
Skid Mount Vacuum Unit	Bangor	1000 gallon	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Compressor	Bangor	Diesel 185 cfm	1
Generator	Bangor	Honda/5500 Homelite	1
Light Towers	Bangor	Electric 4' high	1
<b>(9) Health and Safety Equipment</b>			
Portable Eye Wash Unit	Bangor		4
Scott Supplied Air System	Bangor		3
Scott Pak	Bangor		1
Rogliss & Tripod	Bangor		1
Safety Harness	Bangor		4
DBI & Tripod	Bangor		1
<b>(10) Communications</b>			
Cellular Phones	Bangor		2
Marine Base Station	Searsport		1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

<b>SOUTH PORTLAND, ME SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(207) 799-8111</b>
<b>17 Main Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>South Portland, ME 04106</b>	<b>Fax #</b>	<b>(207) 799-0349</b>

Matt Quinn, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Matt Quinn  
Jack Vallely  
Ken Burbank

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	6
Foreman	5
Field Technician I	10
Field Technician II	1
Equipment Operator	12

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
21' Pointer	South Portland	120 HP motor	1
12' Aluminum	South Portland	6 HP motor	2
20' Trail Boss	South Portland	30 HP motor	1
20' Seaway	South Portland	90 HP motor	1
22' Monarch	South Portland	150 HP motor	1
21' Alumacraft	South Portland	130 HP motor	1
<b>(2) Motor Vehicles</b>			
Vacuum Truck Straight	South Portland	3,000 gal.	2
Vacuum Split Trailers	South Portland	6,000 gal	2
Vacuum Trailer	South Portland	6,000 gal	3
High Powered Vacuum Loader	South Portland	Cusco - 3,000 gal / 10 cu. yd.	1
Vacuum Skid	South Portland	3,000 gal	1
Vacuum Skid	South Portland	300 gal	1
Box Trailer	South Portland	40'	2
Box Truck	South Portland	10 wheel	1
Pick-Up Trucks	South Portland	Ford	9
Frac Tanks	South Portland	20,000 gal	4
Drop Deck Trailer	South Portland	Roll Off Capable	1
Detachable Low Bed Trailer	South Portland	Over Size Hauling	1
Roll Off Trailer	South Portland	17 Yards	1
Tag along Trailer	South Portland		1
Spill Trailer	South Portland		1
10 Wheel Dump Truck	South Portland	10 yards	1
<b>(3) Pumps and Pressure Equipment</b>			
Wilden Diaphragm Pump	South Portland	2"	2
Wilden Diaphragm Pump	South Portland	2" Chemical	1
Wilden Diaphragm Pump	South Portland	3"	1
Adaps Hydraulic Pump	South Portland	4"	1
Bowie Pump (Hydraulic)	South Portland	3"	1
Hotsy on Trailer	South Portland	2,500 PSI	3

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	South Portland	Langerman 18"	2400'
Oil Containment Boom	South Portland	American Marine 44"	2500'
Oil Containment Boom	South Portland	American Marine 24"	3500'
Oil Containment Boom	South Portland	Global 14"	3400'
Oil Containment Boom	South Portland	Global 14"	2000'
Oil Containment Boom	South Portland	American Marine 18"	2000'
<b>(5) Environmental Monitoring Equipment</b>			
HNU Meter	South Portland	P101	1
MSA Gas Indicator	South Portland	Miniguard II	4
Passport Meter	South Portland	LEL, O2, Hyd. Sulf.	2
<b>(6) Recovery Equipment</b>			
Portable Tanks	South Portland	400 gallon Poly	2
Sea Slug Towable Fuel Bladder	South Portland	Model #FCB-43E, 4300 gallons	1
Skimmer	South Portland	ORD Disc Skimmer hydraulic	1
Skimmer	South Portland	Drum Skimmer air	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavator	South Portland	Cat 235 Track	1
Backhoe	South Portland	CAT 436	1
Bobcat	South Portland	843, Skidsteer	1
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Portable Compressor	South Portland	185 CFM; Diesel	3
Generator	South Portland	120 watt	3
<b>(9) Health and Safety Equipment</b>			
CSE Entry Gear	South Portland	Tripod, DBI	2
Coppus Blower	South Portland		2
Coppus Blower	South Portland	Electric	2
Supplied Air packs	South Portland	Scott	6
Breathing Air Tanks	South Portland		20
<b>(10) Communications</b>			
Portable marine radios	South Portland		7
Base Marine Radio	South Portland		1
2-way Mobile Radios	South Portland	Nextel	27
Company Base Radio	South Portland	Nextel	1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

**Portland Tugboat & Ship Docking Co., Inc.**

P.O. Box 15049  
 Portland, Maine 04112  
 (207) 774-2902  
 (207) 773-5659

**Contact:**

Arthur Fournier  
 Brian Fournier

**Services Provided:**

Tug Boat Services

**Winslow Tugs**

26 Andrews Avenue  
 Falmouth, Maine 04105  
 (207) 780-8847

**Contact:**

Dave Winslow

**Services Provided:**

Tug Boat Services

**General Marine Constructors**

Deaks Wharf  
 Portland, ME 04101  
 (207) 772-5354

**Contact:**

Roger Hale

**Services Provided:**

Barge and tug boat

**Industrial Welding & Machine, Inc.**

430 Commercial Street - P.O. Box 1004  
 Portland, Maine 04104  
 (207) 773-8482  
 (207) 767-3561 Nights and Holidays

**Contact:****Services Provided:**

Welding service

**National Response Corp**

P.O. Box 7210  
 Portland, Maine 04112  
 (207) 767-7112

**Contact:**

Joe McCarthy

**Services Provided:**

Barge skimmer Service

**Marine Spill Response Corp.**

14 Union Wharf  
 Portland, Maine 04101  
 (207) 780-8801

**Contact:**

Tom Gallant

**Services Provided:**

Large boat , skimmer service

<b>BOW, NH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(603) 224-6626</b>
<b>#20 Dunklee Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bow, NH 03304</b>	<b>Fax #</b>	<b>(603) 224-6778</b>

Steve Brown, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Steve Brown  
Joe MacDonald

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	2
Foreman	5
Field Technician I	3
Equipment Operator	4

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Workboat	Bow	14FT Lund-15HP Honda O/B	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Bow	F350	4
Pickup Truck	Bow	Chevy	1
Cusco	Bow	Cusco-498	1
Vacuum Truck (Straight)	Bow	447	1
Rack Truck	Bow	w/ Liftgate	1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump		2" DD	3
Double Diaphragm Pump		3" DD	2
<b>(4) Oil Spill Containment Booms</b>			
Boom	Bow	18" Boom	200'
<b>(5) Environmental Monitoring Equipment</b>			
Explosion meter	Bow	Minigard II	2
HNU	Bow	PI101	2
Passport Exp Meter	Bow	Passport	2
<b>(6) Recovery Equipment</b>			
Portable Storage Tank	Bow	2000 gal. poly	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Loader	Bow	753	1
<b>(8) Generators / Compressors / Light Towers</b>			
Light Tower	Bow		2
Generator	Bow	Honda	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
30 Minute Airline	Bow	30 Minute	1
Hip Air Breathing Apparatus	Bow	5 Min. Escape	3
Air Work Mask 30 Min.	Bow	MSA	3
<b>(10) Communications</b>			
2-Way Radio	Bow	Nextel	8
<b>(11) Miscellaneous</b>			
2" Chemical Hose	Bow	Camlock Fittings = 400' plastic, 400' ss	800'
2" Oil	Bow		800
3" Chemical Hose	Bow	Camlock Fittings (stainless)	600'
2" Oil	Bow	Camlock Fittings	600'
4" Oil	Bow	Camlock Fittings (aluminum)	900'

<b>Emergency Response Subcontractors</b>
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**Cab Services**  
Dover, NH

**Contact:**

**Services Provided:**  
Vacuum Equipment

<b>BOSTON, MA AREA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(781) 803-4100</b>
<b>609 Pleasant Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>South Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 803-4168</b>

Tom Kelley, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Steve Ritucci  
Tom Kelley  
Harry Davidson  
Adam Purcell

Mark Purcell  
John Barry

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	10
Foreman	16
Equipment Operator	22
Field Technician	25

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
7' Skiff Boat	Weymouth	Open Aluminum	1
12' Flat bottom	Weymouth	Aluminum	1
14' Starcraft	Weymouth	Aluminum (Interchangeable 15hp motor)	2
14' Sears Flat bottom	Weymouth	Aluminum - 15hp outboard	1
17' Starcraft	Weymouth	Aluminum - 25 hp outboard	1
21' Carolina skiff	Weymouth	F berglass - 88 hp outboard	1
<b>(2) Motor Vehicles</b>			
Vacuum Tractor Trailers	Weymouth	4,000/5,000/6,000 gals	10
Cusco High Powered Vacuum Truck	Weymouth		4
Cyclone Vactor/Guzzler	Weymouth	93 Mack	5
Vactor (Jet Rodder)	Weymouth	54,000 91 Mack	1
Vacuum Trucks S.S.	Weymouth	3,000 & 3,500 gals	7
Box Truck- Prime Mover	Weymouth	81 International	1
Straight Box Trucks	Weymouth	Ford	1
Box Trailers	Weymouth		3
Bulk Hopper	Weymouth	89 Fruehauf	1
Frac Tanks	Weymouth	22,500 gallons	6
Rack Truck	Weymouth	5151, 5142, 552	3
10 Wheel Dump Truck	Weymouth	5252	1
Trailer (Lowboy)	Weymouth	50 TON	1
Pickup Trucks	Weymouth	82-89 Various	23
Roll-off frames	Weymouth	463, 4131	3
Dump Trailer	Weymouth		1
Tag-a-long Trailer	Weymouth		2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Wilden Diaphragm Pump	Weymouth	M-15 3"	3
Wilden Diaphragm Pump	Weymouth	M-8 2"	2
Wilden Diaphragm Pump	Weymouth	1 1/4 "Poly	2
Wilden Diaphragm Pump	Weymouth	1 1/2 " M-4	1
Wilden Diaphragm Pump	Weymouth	1 1/4 " M-2	1
Wilden Diaphragm Pump	Weymouth	2" Champ Poly (chemical)	2
6" Double Stage Hyd Super Pump	Weymouth	6"	1
Lutz Electric Barrel Pump	Weymouth	1"	3
Drum Vacuums	Weymouth		4
Van Hotsy	Weymouth	96 Ford - 300 psi Hot Water	1
Hot water Hotsy	Weymouth	3000 psi, trailer mounted	1
Hot water Hotsy	Weymouth	3000 psi, portable, skid mount	2
Cold Water Pressure Washer	Weymouth	2000 psi, electric, portable	5
Warren Rupp	Weymouth	1" SA1A/SB1A	2
Teel Pump	Weymouth	5H 2" Trash Pump	4
Vactor Hose	Weymouth		1,000'
Discharge Hose	Weymouth	6"	500'
Discharge Hose	Weymouth	4"	500'
Teel Pump	Weymouth	3"	3
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Weymouth	American Marine 18"	2200'
Oil Containment Boom	Weymouth		1500'
Oil Containment Boom	Weymouth	Langerman 18"	1100'
<b>(5) Environmental Monitoring Equipment</b>			
MSA Gas Indicator	Weymouth	Micro Guard	7
MSA Gas Indicator	Weymouth	Passport Quad	4
Draeger Pump	Weymouth	Accuru	5
MSA PIDs	Weymouth	Passport PIDs	5
<b>(6) Recovery Equipment</b>			
Skidmount Vacuum Unit	Weymouth	1000 gal	1
Skimmer	Weymouth	Skimpac 18000 series	2
Elastec Drum Skimmer	Weymouth	TDS118	1
Recovery Tank	Weymouth	2500 gal	2
Recovery Tank	Weymouth	1000 gal	1
Nilfisk Mercury Vacuum	Weymouth		2
HEPA Filter Vacuum	Weymouth		3
HEPA Filter Vactor	Weymouth		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat	Weymouth	Backhoe/Sweeper /Pavement Breaker	2
Backhoe	Weymouth	436 Cat	2
Cat Excavator	Weymouth	Cat 315 Track	1
<b>(8) Generators / Compressors / Light Towers</b>			
Sullair Portable Compressor	Weymouth	185 Diesel	5
Winco Generator	Weymouth	K4800/A	2
Coppus Blower	Weymouth	4" Pneumatic	3
Coppus Blower	Weymouth	8" Pneumatic	1
Coppus Blower	Weymouth	10" Pneumatic	1
Coppus Fan	Weymouth	RF-20	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
MSA S.C.B.A.	Weymouth	1 Hour/4500	10
Spare Air Cylinders	Weymouth	4500 PSI (1 HR)	8
MSA SAR	Weymouth	Pressure Demand	4
MSA Escape Units	Weymouth	5 Minutes	7
Encapsulating Suits	Weymouth	First Responder	3
Encapsulating Suits	Weymouth	Butyl	2
Mustang Suits	Weymouth	Foul Weather PFD	6
Flame Retardant Suits	Weymouth		2
Air Hose	Weymouth		600'
Hydraulic Hose	Weymouth		650'
Line	Weymouth	600' Coils	2
Personal Floatation Devices	Weymouth		40
Survival Suits	Weymouth		6
<b>(10) Communications</b>			
Nextel 2-Way Portable Radio/Phones	Weymouth		66
Nextel Base Station	Weymouth		1
Marine Radios	Weymouth	Portable	2
<b>(11) Miscellaneous</b>			
Leroi Jackhammer	Weymouth	30 / 60 / 90 lbs.	3
Stihl Chain Saw	Weymouth		1
Amida Light Stand	Weymouth	50600	2
Amida Towable Light Tower	Weymouth	GS-82	1
Lincoln Welder	Weymouth		1
Forklift	Weymouth	5 Ton	2

<b>Emergency Response Subcontractors</b>
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**Boston Line & Service Co.**  
Black Falcon Cruise Terminal

1 Black Falcon Ave.  
Boston, MA 02210  
(617) 951-9957

**Contact:**  
Barry M. Cox

John J. Rinkus  
Tim Shea  
Paul Fratic

**Services Provided:**  
Tug, Boom & Barge  
services

**Boston Towing and Transportation**

36 New Street  
East Boston, MA 02128  
(617) 567-9100  
(617) 567-5896 FAX

**Contact:**  
Phillip K. Chase, GM

**Services Provided:**  
Tug Boat Services

**City Lights Electrical Co., Inc.**

556 East Broadway  
South Boston, MA 02127  
Tel # (617) 269-5777  
Fax # (617) 269-7616

**Contact:**  
MaryAnne Cataldo

**Services Provided:**

**Environmental Staffing**

1 New England Executive Park  
Burlington, MA 01803  
(781) 221-7444

**Contact:**

**Services Provided:**  
Labor

<b>Emergency Response Subcontractors Cont.</b>
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<b>Onsite Environmental</b> 150 Wood Road, Suite 107 Braintree, MA 02184 (781) 794-1790 (800) 546-6447	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Taylor Oil Company</b> P.O. Box 538 Stoughton, MA 02072 (617) 341-0086	<b>Contact:</b>	<b>Services Provided:</b> Fuel Supplies
<b>Baker Tanks</b> 193 Hartford Turnpike Shrewsbury, MA 01545 (508) 799-6669	<b>Contact:</b>	<b>Services Provided:</b> Portable Tanks
<b>Fishburn Services, Inc.</b> 5012 State Rt. 229, P.O. Box 278 Marengo, OH 43334 (419) 253-6031	<b>Contact:</b>	<b>Services Provided:</b> Portable Tanks
<b>Tino's Tow Service</b> 61 Copeland Street Quincy, MA 02169 (617) 472-0655	<b>Contact:</b>	<b>Services Provided:</b> Transportation
<b>Northeast Diving Services, Inc.</b> 28 West Narragansett Avenue Newport, RI 02840 (401) 841-0446	<b>Contact:</b>	<b>Services Provided:</b> Transportation
<b>Northeast Tank</b> 349 Lincoln Street, Building 48 Hingham, MA 02043 (781) 740-4090	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Eastern States Equipment</b> 18 Wolcott Street Jamaica Plain, MA (617) 364-9280	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Hertz Equipment Rental</b> 45 Gerand Street Boston, MA (617) 442-4210	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment

<b>WORCESTER, MA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(508) 839-5798</b>
<b>188 Rear Worcester Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>North Grafton, MA 01536</b>	<b>Fax #</b>	<b>(508) 839-9058</b>

David Laudani, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Dave Laudani  
Steve Ritucci  
Tom Kelley  
Harry Davidson

Adam Purcell  
Mark Purcell  
John Barry

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Foreman	1
Field Tech II	2
Field Tech I	3

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
14' Workboat	No. Grafton	Flat Bottom, Aluminum	1
<b>(2) Motor Vehicles</b>			
Pickup	No. Grafton	98 Ford F150, Fleet # 8425	1
Pickup	No. Grafton	01 Chevy 2500, Fleet # 8464	1
Boom Trailer	No. Grafton		1
Emergency Response Trailer	No. Grafton	01 HAUJ SE , Fleet # CH2315	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Double Diaphragm	No. Grafton	M8 Poly	2
Pressure Washer (2600 psi)	No. Grafton	Cold Water	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Spill Containment Boom	No. Grafton	18" American Marine 800' (On Trailer)	800'
<b>(5) Environmental Monitoring Equipment</b>			
PID Meter	No. Grafton	RAE Systems Multi-Gas Monitor VOC	1
Explosion Meter	No. Grafton	Multi Ray 4 gas/PID	1
Sensidine Pumps	No. Grafton		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Portable Air Compressor	No. Grafton	Ingersoll Rand 125 CFM	1
Coppus Blower	No. Grafton	Pneumatic	1
Blower	No. Grafton	Gasoline	1
<b>(9) Health and Safety Equipment</b>			
MSA SCBA	No. Grafton	1 hour/4500	2
MSA Escape Units	No. Grafton	5 minutes	2
Extraction Device	No. Grafton	With Tripod	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Nextel Radio/Phone	No. Grafton	Nextel	3
Two-Way Radio	No. Grafton	Motorola (Hand Held)	2
<b>(11) Miscellaneous</b>			
Drum Vacuum	No. Grafton	Electric & Pneumatic	2
Hepa Vacuum	No. Grafton	With 12 Filters/Hose	1
Ladders (Step)	No. Grafton	6' - 14'	3
Ladders (Tank)	No. Grafton	Stainless Steel / Sectional	1

<b>Emergency Response Subcontractors</b>
--

**Baker Tanks**  
102 Old Worcester Road  
Oxford, MA 01540  
24 Hour # - (800) BAKER12

**Contact:**  
Jim Murray

**Services Provided:**  
Portable Storage Tanks

<b>PROVIDENCE, RI SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(401) 431-1847</b>
<b>8 Dexter Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>East Providence, RI 02914</b>	<b>Fax #</b>	<b>(401) 431-2154</b>

Brian Fleet, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Fleet  
Peter Joseph  
Chris Kailher  
John Whyte

**40-Hour OSHA Trained Personnel:**

Supervisor	4
Foreman	5
Equipment Operator	5
Field Technician	7

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
23' Carolina 238 – EKHX0733C000	Providence	90 hp / Fleet # V217 / ME Reg# ME11NAC	1
18' Pointer – MSZ000897E393	Providence	88 hp / Fleet # V149 / MA Reg# MS7162KA	1
12' Sylvan – SYL44076J596	Providence	Fleet # V159 / MA Reg# MS2409KR	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Providence	2005 Ford F-350	2
Pickup Truck	Providence	2003 Ford F-350	2
Pickup Truck	Providence	2000 Chevrolet C-3500	1
Pickup Truck	Providence	1999 Ford F-350	1
Pickup Truck	Providence	1999 Ford F-150	1
Pickup Truck	Providence	1998 Chevrolet C-2500	2
Tractor	Providence	Kenworth / Fleet # 1148	1
Tractor	Providence	1995 Mack / Fleet # 1156	1
Box Truck	Providence	1993 Ford L-8000 / Fleet # 5117	1
Vacuum Truck (Cusco)	Providence	2004 Freightliner / Fleet # 4155	1
Vacuum Truck (Guzzler)	Providence	2004 Freightliner / Fleet # 4164	1
Utility Trailer – Manhole	Providence	Fleet # CH305 / ME Reg# 0739425	1
Utility Trailer	Providence	Fleet # CH2148 / MA Reg# 486208	1
Utility Trailer	Providence	Fleet # CH235 / MA Reg# 151533	1
Utility Trailer	Providence	Fleet # 2155 / ME Reg# 0739379	1
<b>(3) Pumps and Pressure Equipment</b>			
Diaphragm Pump	Providence	Wilden 3" Aluminum	2
Diaphragm Pump	Providence	Wilden 2" Aluminum	3
Diaphragm Pump	Providence	Wilden 2" Poly	1
Centrifugal Pump	Providence	Multiquip 2"	1
Centrifugal Pump	Providence	Multiquip 3"	2
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Providence	American Marine 18" /Optimax I	2000'
Utility Trailer – (1000' – 18" Boom)	Providence	Fleet # CH217 / ME Reg# 0739383	1000'
Box Trailer – (1500' – 36" Boom)	Providence	Fruehauf	1500'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter (O2 / LEL / CO / H2S)	Providence	MSA Passport	4
Organic Vapor Monitor	Providence	MSA Passport PID	4
Gastec Toxic Monitoring Pumps	Providence	Various Colorimetric Tubes	3
Lumex Meter	Providence	Ohio Lumex Mercury Vapor Monitor	1
<b>(6) Recovery Equipment</b>			
Towable Bladder	Providence	Sea Slug 4300 Gallons	1
Containment Bladder	Providence	300 Gallons	3
Portable Tank	Providence	500 Gallons	1
Skimmer – Rope Mop	Providence	Crowley / Alden 210 gph – CAAA4F105	1
Skimmer – Rope Mop	Providence	Crowley / Alden 210 gph – CAAA4F106	1
Skimmer – Barrel	Providence	Barrel Skimmer	1
Oil Hose	Providence	2"	500'
Oil Hose	Providence	3"	200'
Chemical Hose	Providence	2"	150'
Chemical Hose	Providence	3"	150'
Wash Hose	Providence	1-1/4"	600'
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Skid Steer Loader	Providence	Bobcat / Fleet # EQ1115	1
<b>(8) Generators / Compressors / Light Towers</b>			
Electrical Generator	Providence	5500 Watt	2
Air Compressor	Providence	Sullair 185 cfm	2
<b>(9) Health and Safety Equipment</b>			
Supplied Air Respirator	Providence	MSA – With 5 Minute Escape Bottle	8
SCBA	Providence	MSA – 1 Hour (4500 psi)	4
SCBA – Spare Cylinders	Providence	MSA – 1 Hour (4500 psi)	8
Chemical Protective Suits	Providence	N-Butyl – Level A	2
Chemical Protective Suits	Providence	1st Responder – Level A	2
Thermal Protective Suits	Providence	Nomex Flash Suits	2
Anti-Exposure Suits	Providence	Stearns (Mustang)	4
Extraction / Retrieval Devices	Providence	Rollgliss / DBI	4
Safety Harness	Providence	Full Body	8
<b>(10) Communications</b>			
Marine VHF Radio	Providence	Hand Held (Intrinsically Safe)	2
VHF Radio	Providence	Hand Held (Not Intrinsically Safe)	4
2-Way Radio	Providence	Nextel	12
<b>(11) Miscellaneous</b>			
Ventilation Blower	Providence	Coppus / Vano – 4" Pneumatic	2
Ventilation Blower	Providence	Coppus / Vano – 8" Pneumatic	2
Ventilation Blower	Providence	Coppus / Vano – 8" Electric	1
Ventilation Blower	Providence	Coppus / Vano – 24" Pneumatic	1

Emergency Response Subcontractors		
<b>Coast Line &amp; Service, Co.</b> Providence, RI 02905 (401) 864-3602 Pager: (401) 938-0329	<b>Contact:</b> Stuart Cornell	<b>Services Provided:</b> Tow Boats
<b>Harbor Ready Marine</b> Wickford, RI (401) 295-8711	<b>Contact:</b> John Andrews	<b>Services Provided:</b> Kropp Rescue
<b>Mitchell Towing</b> New Bedford, MA Address 2 (508) 994-9003 (508) 677-2700	<b>Contact:</b> Charlie Mitchell Scott Church	<b>Services Provided:</b> Tug Jaguar Tugs/Barges
<b>Sea Boats</b> Fall River, MA (508) 999-3880	<b>Contact:</b> Don Lynch	<b>Services Provided:</b>
<b>Cutty Hunk Marine</b> Cape Cod, MA (508) 888-0766	<b>Contact:</b> Todd Regazio	<b>Services Provided:</b>
<b>Northeast Divers</b> (401) 841-0446	<b>Contact:</b> Eva Longobard	<b>Services Provided:</b> Diving / Recovery / Video
<b>Specialty Diving</b> North Kingstown, RI (401) 295-5256	<b>Contact:</b> Ron Archambault	<b>Services Provided:</b> Diving / Recovery / Video
<b>Packer Marine, Inc</b> P.O. Box 308 Vineyard Haven, MA 02568 (508) 693-0900	<b>Contact:</b> Ralph Packer John Packer	<b>Services Provided:</b> Barges

<b>BRISTOL, CT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(860) 583-8917</b>
<b>761 Middle Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bristol, CT 06010</b>	<b>Fax #</b>	<b>(860) 585-1740</b>

Fernando Centeno, General Manager

EPA / Federal ID #:

CTD000604488

**Personnel Authorized to release equipment / materials / manpower, etc:**

Fernando Centeno Sr.	Todd Vasiliou
Aaron Godfrey	Jose Flores
John Mahoney	Geb Cook
Thomas Wilson	Joe Heron

**40-Hour OSHA Trained Personnel:**

General Manager	1	Field Technician I	4
Operation Manager	1	Field Technician II	2
Supervisor	2	Field Technician III	2
Foreman	5	Coordinator	1
Equipment Operator	5	Site Safety Officer	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
10 foot workboat	Bristol	Aluminum w/15 hp outboard motor	1
12 foot workboat	Bristol	Open Aluminum w/80hp outboard	1
40 foot incident command trailer	Bristol	1993 ICS office trailer	1
Frac Tank	Bristol	20,000 gallon capacity	3
25 yard rolloff container w/tarps	Bristol	25yd metal open top containers	7
25 yard Vacuum Box Containers	Bristol	25yrd	2
25 yard dewatering box containers	Bristol	25 yard w/internal mesh screen/liner	2
25 yard intermodal harp top container	Bristol	25 yard w/sliding hard top	2
<b>(2) Motor Vehicles</b>			
Straight Rolloff Frame	Bristol	1994 Kenworth w/ tag axle	1
Tractor	Bristol	1991 Freightliner day cab	1
Tractor	Bristol	1992 Freightliner w/sleeper cab	1
Stainless Steel 4,500cfm Cusco	Bristol	1995 Kenworth w/3,000 gallon tank	1
Stainless Steel Straight Vacuum Truck	Bristol	1990 Mack w/3,000 gallon tank	1
Guzzler hi 6,200cfm vacuum blower unit	Bristol	Sterling CT9513/ 5 yard capacity	1
5,000 gallon stainless Steel Vac Tanker	Bristol	5,000gal/ 1990 Brenner	1
Emergency Response Van	Bristol	98 Chevy Cubevan/Level ABC Equip.	1
Manhole Van w/ 2,500psi press. Washer	Bristol	2000 Ford E-350 w/CSE equipment	1
Rack Truck 19,000# GVW	Bristol	2005 GMC w/liftgate	1
Box Truck w/20,000psi water blaster	Bristol	1997 Ford	1
Manhole Van w/ 2,500psi press. Washer	Bristol	1992 Ford HD/Box Truck	1
Crew Cab Pickup	Bristol	1999 Ford F350	1
Utility Body Pickup w/fuel cell	Bristol	1999 Chevy 3500HD Utility Body	1
Crew Cab Pickup	Bristol	2000 Chevy 3500	3
Crew Cab Pickup	Bristol	2004 Ford F350	1
Crew Cab Pickup	Bristol	2002 Ford F350	1
Crew Cab Pickup	Bristol	2006 Ford F 350	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Jet Rod Trailer	Bristol	10,000psi Blaster on Triplett Trailer	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Stainless Steel w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Polyethylene w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Bristol	Wilden Mild Steel w/camlock fittings	1
2" Electric Submersible pumps	Bristol(on manhole vans)	NSK 100gpm	2
3" Trash Pump	Bristol	Multiquip	1
Electric Pressure Washer	Bristol	Landa 1,800psi w/burner	1
Pressure Washer	Bristol	Landa 2,500 psi w/burner	1
Electric Pressure Washer	Bristol	Karcher 1,500 psi light duty	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom w/trailer	Bristol	Elastec Marine 18" boom	700ft
Absorbents	Bristol	3M pads, 8" absorbent boom, snare	Stock
<b>(5) Environmental Monitoring Equipment</b>			
MultiRae 5 gas meter	Bristol	Rae 5 gas Air monitor/PID	4
Explosion proof meter	Bristol	MSA passport	1
Photolization Detection Meter	Bristol	Photovac 20/20 PID	1
Mercury Vapor Analyzer	Bristol	Jerome Meter	1
Air Sampling Kit(contains 4 pumps)	Bristol	MSA Elf air pump Kit w/cartridges	1
Sensidyne Pumps	Bristol	Sensidyne detector pumps w/tubes	2
Sample Tubes	Bristol	for Sensidyne pump/ various checmicals	Stock
Unknown Test Kit	Bristol	Spillfyter test strips	1
Cyanide Antidote Kits	Bristol		1
Hydroflouric acid barrier cream	Bristol	Calcium Gluconate Gel	2
Coppus Air Blowers	Bristol	6" electric	1
Coppus Air Blowers	Bristol	8" pneumatic	1
Coppus Air Blowers	Bristol	4" Pneumatic	1
Negative Air Unit	Bristol	2,500cfm Electric	1
Activated Caron Units	Bristol	Carbtrol 55 gallon size w/blower units	3
<b>(6) Recovery Equipment</b>			
Recovery Tank	Bristol	275 gallon poly storage tank	1
Mercury Vacuum	Bristol	Hako Minuteman Mercury vacuum w/hepa	1
Hepa Filter vacuums	Bristol	Pullman Holt 5-15 gallon size	3
Carbon Groundwater recovery unit	Bristol	1,000 gallon vessel w/duple bagfilter/pump	1
Wet Dry Vacuums	Bristol	Ridgid/Shopvac	4
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Track Excavator	Bristol	47,000# Cat 225 w/3/4 yard bucket	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Bristol	Generac 6000XSL	1
Generator	Bristol(in manhole vans)	4,500 watt capacity	2
Air Compressor	Bristol	1987 Sullair 185cfm	1
Air Compressor	Bristol	185cfm Ingersoll Rand	1
Light Tower	Bristol	Coleman Lighttower	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(9) Health and Safety Equipment</b>			
Self Contain Breathing Apparatus(SCBA)	Bristol	MSA 60 minute SCBA positive pressure	7
5 minute escape bottle	Bristol	MSA 5 minute hip air	4
Cascade Airline Kits	Bristol	MSA fourman cascade system	2
Airline	Bristol	MSA airline	150 feet
Level A Suits	Bristol(in ER van)	First Responder Plus suits	4
Test kit for Level A suits	Bristol		1
Mechanical Extraction Devices	Bristol	DBI/Sala, MSA Rose w/ tripods	5
Tank Truck Tripod	Bristol		1
Mustang Suits	bristol		2
Full body Harness	Bristol		stock
<b>(10) Communications</b>			
Level A Communication gear	Bristol(in ER van)	Earmark kit w/3 headsets, base station	1
Nextel 2 way hand held radios	All	All Managers, Foremen, Drivers	24
<b>(11) Miscellaneous</b>			
Gas Driven Power Broom	Bristol	Stihl Power broom	1
Chain Saw	Bristol	Stihl	1
Sawzall	Bristol	Milwaukee Sawzall Plus	2
Light Racks	Bristol	5,000 watt dual lights	2
Clay absorbent material	Bristol	Speedy Dry 50# bags	Stock
Caustic based degreaser	Bristol	Citrus Cleaner	200 gallons
Steel open top drums	Bristol	55 gallon steel	stock
Drums(other)	Bristol	55 gallon closed top/ poly/etc	stock

<b>Emergency Response Subcontractors</b>
--

**Kennedy Marine**  
Uncasville, CT

(860) 859-0014  
(860) 859-0003

**Contact:**

John F. Kennedy

24 hour pager (860) 437-4883  
Mobile (860) 460-0889

**Services Provided:**

Boat Services, Boom  
Deployment

**Patterson Enterprises**  
Broad Street, Bristol CT  
Phone # 860 583 7577  
Fax # (860) 583-7579

**Contact:**

Mike Patterson  
Mobile (860) 302-8598

**Services Provided:**

Rolloff rental/trans  
Sweeper services  
backfill/gravel

**Coast Line & Service Co.**  
280 Waterfront St New Haven, CT  
Phone # (203) 467-2674  
Fax / Other # (203) 467-2873

**Contact:**

**Services Provided:**

Boat Services

**Caron Autoworks**  
East Hartford, CT  
Phone # (860) 528-6549

**Contact:**

**Services Provided:**

Towing

<b>MILFORD, CT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(203) 878-1740</b>
<b>41 Eastern Steel Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Milford, CT</b>	<b>Fax #</b>	<b>(203) 878-1799</b>

Joseph Heron, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Joseph Heron  
John McGuire  
Geb Cook  
Tom Wilson

Fern Centeno  
Aaron Godfrey  
John Mahoney

**40-Hour OSHA Trained Personnel:**

Supervisor	2	Equipment Operator	3
Foreman	2	Mechanic	2
Field Technician I	7		
Field Technician II	1		
Field Technician III	1		

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Power workboat	Milford, CT	21ft pathmaker 200Hp	1
Power workboat	Milford, CT	14ft John Boat 15Hp	1
<b>(2) Motor Vehicles</b>			
Pickup Truck	Milford, CT		3
Spill Van	Milford, CT	Spill Van	1
Vacuum Truck	Milford, CT		1
High Powered Vacuum Truck	Milford, CT	Cusco Super Sucker	1
Roll-Off Truck	Milford, CT	Roll-off Frame	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Milford, CT	3 inch	1
Trash Pump	Milford, CT	2 inch	1
Double Diaphragm Pump	Milford, CT	2 inch	2
Submersible Pump	Milford, CT	Submersible Pump	3
<b>(4) Oil Spill Containment Booms</b>			
18 inch boom on trailer	Milford, CT	20 foot trailer	1200 ft
18 inch boom on trailer	Milford, CT	20 foot trailer	1300 ft
<b>(5) Environmental Monitoring Equipment</b>			
Meter	Milford, CT	5 gas meter	1
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Milford, CT	3 inch Drum Skimmer	1
Bladder Tank	Milford, CT	3000 gal	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Milford, CT	Portable	2
<b>(9) Health and Safety Equipment</b>			
PPE Supplies	Milford, CT	Personal Protective Equipment	Assorted

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
2 way Radio	Milford, CT	Nextel Phones	7
<b>(11) Miscellaneous</b>			
Hose	Milford, CT	2", 3", 3"	200 feet
Tote Tanks	Milford, CT	500 Gal	2
Drums	Milford, CT	Carbon Drums	2

<b>Emergency Response Subcontractors</b>
--

**Subcontractor Name**  
Nation Rent

**Contact:**  
Geovanni Flores

**Services Provided:**  
Earth Moving Equipment

<b>SPRINGFIELD, MA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(860) 827-8557</b>
<b>190 Brookdale Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Springfield, MA 01140</b>	<b>Fax #</b>	<b>(860) 781-4110</b>

John Mahoney Operations Manager

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Fernando Centeno Sr  
Aaron Godfrey  
John Mahoney  
Thomas Wilson

Todd Vasiliou  
Jose Flores  
Nick Nicotra  
Joe Heron

**40-Hour OSHA Trained Personnel:**

Operation Manager	1
Foreman	1
Field Technician I	4
Equipment Operator	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
12 foot workboat	Springfield	Open Aluminum w/35hp outboard	1
14 foot workboat	Springfield	w/ motor	1
<b>(2) Motor Vehicles</b>			
Emergency Response Van	Springfield	1994 Ford E-350 w/Level BC Equip	1
Crew Cab Pickup	Springfield	2002 Ford F350	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Double Diaphragm pneumatic pump	Springfield	Wilden Stainless Steel w/camlock fittings	1
2" Double Diaphragm pneumatic pump	Springfield	Wilden Polyethylene w/camlock fittings	1
2" Electric Submersible pumps	Springfield	NSK 100gpm	1
3" Trash Pump	Springfield	Multiquip	1
Electric Pressure Washer	Springfield	Karcher 1,750psi pressure washer	1
Pressure Washer	Springfield	Honda 2,500psi pressure washer	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom w/trailer	Springfield	Elastec Marine 18" boom	650ft
Absorbents	Springfield	3M pads, 8" absorbent boom, snare	Stock
<b>(5) Environmental Monitoring Equipment</b>			
Explosion proof meter	Springfield	MSA passport	1
Sensidyne Pumps	Springfield	Sensidyne detector pumps w/tubes	1
Sample Tubes	Springfield	for Sensidyne pump/ various chemicals	Stock
Unknown Test Kit	Springfield	Spillfyter test strips	1
Hydrofluoric acid barrier cream	Springfield	Calcium Gluconate Gel	2
Coppus Air Blowers	Springfield	6" electric	1
Coppus Air Blowers	Springfield	4" Pneumatic	1
Negative Air Unit	Springfield	2,500cfm Electric	1
<b>(6) Recovery Equipment</b>			
Wet Dry Vacuums	Springfield	Ridgid/Shopvac	3
Skidmount Vacuum Unit	Springfield	500gallon Vacuum unit/trailer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Bristol		1
<b>(9) Health and Safety Equipment</b>			
Self Contain Breathing Apparatus(SCBA)	Bristol	MSA 60 minute SCBA positive pressure	3
5 minute escape bottle	Bristol	MSA 5 minute hip air	2
Cascade Airline Kits	Bristol	MSA fourman cascade system	1
Airline	Bristol	MSA airline	150 feet
Mechanical Extraction Devices	Bristol	DBI/Sala	2
Full body Harness	Bristol		stock
<b>(10) Communications</b>			
Nextel 2 way hand held radios	All	All Managers, Foremen, Drivers	3
<b>(11) Miscellaneous</b>			
Gas Driven Power Broom	Bristol	Stihl Power broom	1
Chain Saw	Bristol	Stihl	1
Sawzall	Bristol	Milwaukee Sawzall Plus	2
Light Racks	Bristol	5,000 watt dual lights	2
Clay absorbent material	Bristol	Speedy Dry 50# bags	Stock
Steel open top drums	Bristol	55 gallon steel	stock
Drums(other)	Bristol	55 gallon closed top/ poly/etc	stock

<b>Emergency Response Subcontractors</b>
--

**Kennedy Marine**

Uncasville, CT  
 Phone # 860 859 0014  
 Fax / Other # (860) 859-0003

**Contact:**

John F. Kennedy  
 24 hour pager# (860) 437-4883  
 Mobile (860) 460-0889

**Services Provided:**

Boat Services, Boom Deployment

**Patterson Enterprises**

Broad Street, Bristol CT  
 Phone # (860) 583-7577  
 Fax / Other # (860) 583-7579

**Contact:**

Mike Patterson  
 Mobile# (860) 302-8598

**Services Provided:**

Rolloff rental/trans  
 Sweeper services  
 backfill/gravel

**Coast Line & Service Co.**

280 Waterfront St New Haven, CT  
 Phone # (203) 467-2674  
 Fax / Other #203 467 2873

**Contact:****Services Provided:**

Boat Services

**Caron Autoworks**

East Hartford, CT  
 Phone # 860 528 6549  
 Fax / Other #

**Contact:****Services Provided:**

Towing

<b>NEWBURGH, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(845) 566-5071</b>
<b>15 Little Brook Lane</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Newburgh, NY 12550</b>	<b>Fax #</b>	<b>(845) 566-9014</b>

Paul A. Bomba, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Paul A. Bomba  
Geb Cook  
\*Satellite to Bristol Office

<b>40-Hour OSHA Trained Personnel:</b>
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Foreman / Equipment Operator	1
Field Technician II	1
Field Technician I	1

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Newburgh	3000 gallon Straight Vac Volvo	1
Cube Van Spill Response Vehicle	Newburgh	GMC 2500	1
Pickup Truck	Newburgh	F-350	1
Pickup Truck	Newburgh	F-350	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Newburgh	5000 PSI Hotsy	1
Power Washer	Newburgh	4000 PSI B&S portable	1
Trash Pump	Newburgh	2", Gasoline Powered, B&S portable	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter	Newburgh		1
5 Gas Meter	Newburgh		1
Sensidyne Kit	Newburgh		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
5000 watt portable Generator	Newburgh	Generac	1
1000 watt dual light towers	Newburgh		4
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>ALBANY, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(518) 434-0149</b>
<b>32 Bask Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Glenmont, NY 12077</b>	<b>Fax #</b>	<b>(518) 434-9118</b>

Barry Prior, General Manager

EPA / Federal ID #:

NYD986871622

**Personnel Authorized to release equipment / materials / manpower, etc:**Barry Pryor  
Kris Goodman**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	4
Field Technician III	2
Field Technician I	6
Equipment Operator	5

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
16' Carolina skiff boat	Albany	48 HP	1
20' Hanco Aluminum	Albany	115HP Yamaha	1
12' Grumman	Albany	Aluminum	1
67 Gator Boat Trailer	Albany	C1451406	1
92 Boat Trailer	Albany	186BOCI59NH000033	1
<b>(2) Motor Vehicles</b>			
Vacuum Tractor Trailer	Albany	5,000 gallon Brenner (Fleet# 153/322)	1
Vacuum Straight	Albany	3000 gallon 93 Kenworth	1
Guzzler	Albany	4500 cfm/16 Cu Yds (Fleet #4129)	1
Straight Cusco	Albany	3000 gallon (Fleet #438)	1
Rack Truck w/Liftgate	Albany	Drum Reovery (Fleet # 5195)	1
Crew Cab Trucks	Albany	F-350	9
Pickup Trucks	Albany	F-150 4x4	1
Boom Trailers	Albany	Probilt/Homemade	1
Spill Trailer	Albany		1
Utility Trailer	Albany	Starlight	1
<b>(3) Pumps and Pressure Equipment</b>			
3" Double Diaphragm Pump	Albany	Wilden	3
3" Transfer Pumps	Albany	Diesel & Gas	2
2" electric submers ble	Albany		3
2" Double Diaphragm Pump	Albany	Wilden	2
1" Double Diaphragm Pump	Albany	1-Metal, 1-Poly	1
Hotsy	Albany	4500 psi	1
Smoke Ejector 20" Fans	Albany		2
Air Operated Coppus Blower	Albany		3
Teflon Acid Pump	Albany		1
Waterblaster and Trailer	Albany	NLB 10k psi	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Albany	18" American Marine /Curtain	1100'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
4-Gas Meter	Albany	Industrial Scientific/MSA	4
5-Gas Meter	Albany	Industrial Scientific/MSA	3
MSA Air Sampling Pump	Albany	with Misc. Tubes	4
Personal Air Pumps	Albany		3
Flow Buck Calibrator	Albany		1
Hand Pump	Albany	Guzzler	2
Sediment Corer	Albany	W/ Nose Piece, Core Catcher, & Tubes	2
Mobile Carbon Treatment System	Albany	60 Gallons Per Minute	1
Jerome Mercury Meter	Albany		1
Dust Meter	Albany		1
<b>(6) Recovery Equipment</b>			
Portable Tanks - Skid Mount Vacuum	Albany	500Gallon	1
Portable Tanks	Albany	2,000 Gallon	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Trailer	Albany		1
Bobcat	Albany	743D Bucket, Backhoe & Sweeper	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Albany	Homelite	2
Generator	Albany	Honda 120V	1
Air Compressor	Albany	185 CFM	3
<b>(9) Health and Safety Equipment</b>			
4500 PSI SCBA's	Albany		5
4500 PSI SCBA Cylinders	Albany		2
2-Man Cascade Manifolds	Albany		1
5 Minute Egress Hip Airs	Albany		3
Metal Detectors	Albany		1
Remote Drum Opener	Albany		1
HEPA Vacuums	Albany		1
Mechanical Extraction Devices	Albany	With Tripods	4
Portable Eye Wash Unit	Albany	Z358.1-1981	2
MSA Cascade Mask	Albany		3
<b>(10) Communications</b>			
Mobile Marine Radios	Albany		4
<b>(11) Miscellaneous</b>			
Arc Welder	Albany	Electric	1
Lincoln Gas Powered Welder	Albany		1
Cutting Torches	Albany		2
Plasma Cutter	Albany		1
Shop Vacuum	Albany		3
Mercury Vacuum	Albany		1
Jack Hammer	Albany		1
Chainsaw	Albany		2

**Emergency Response Subcontractors****Hertz Equipment**

Avis Drive  
Latham, NY  
(518) 783-4598

**Contact:**

**Services Provided:**  
Excavation Equipment

**Roberts Towing**

Route 9W  
Glenmont, NY  
(518) 432-4097

**Contact:**

**Services Provided:**  
Towing Services

**Mountain View Oil**

Box 84 Voorheesville, NY 12186

**Contact:**

**Services Provided:**  
Fuel Supplies

(518) 644-5111

**New England Helicopter**

8 Round Hill Road  
Washingtonville, NY  
(914) 496-7928

**Contact:**

**Services Provided:**  
Helicopters

<b>SYRACUSE, NY SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(315) 463-9901</b>
<b>14 Corporate Circle</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>East Syracuse, NY 13057</b>	<b>Fax #</b>	<b>(315) 463-9624</b>

Barry Pryor, General Manager  
Anthony Napoli, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Barry Prior  
Anthony Napoli  
Robert Seitz

\*Satellite to Albany Office

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Equipment Operator	3
Field Technician	5

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
14' Carolina Skiff	Syracuse	35HP 14' Skiff	1
<b>(2) Motor Vehicles</b>			
Pickups	Syracuse	Crew Cabs	2
4x4 Pickup	Syracuse	F150 Extra Cab	1
<b>(3) Pumps and Pressure Equipment</b>			
2" DD Pumps	Syracuse	Wlden M8	2
2" Hoses	Syracuse	Oil/Chemical	200'
<b>(4) Oil Spill Containment Booms</b>			
18" Containment Boom	Syracuse	18" American Marine Simplex	800'
<b>(5) Environmental Monitoring Equipment</b>			
4 Gas Meter	Syracuse	MSA 4Gas	1
PID	Syracuse	MSA PID Meter	1
Sensidyne	Syracuse	Sensidyne Pump and Tubes	1
<b>(6) Recovery Equipment</b>			
Sorbent Boom	Syracuse	8" SPC Boom	20
Sorbent Pads	Syracuse	SPC100	30
Drums	Syracuse	Steel/Poly Various Sizes	100
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Syracuse	4K Portable Generator	1
Light Stand	Syracuse	Halogen Light stand	2
<b>(9) Health and Safety Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
NEXTELS	Syracuse	Nextel Units	5
Cell Phones	Syracuse	Verizon	6
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

See Albany Service Center

<b>WILLISTON, VT SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(802) 651-0553</b>
<b>338 Commerce Street #40</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Williston, VT 05495</b>	<b>Fax #</b>	<b>(802) 651-0558</b>

Steve Brown, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Steve Brown  
Ben Mitchell

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Field Technician	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
4WD Pickup Truck	Williston	8424	1
<b>(3) Pumps and Pressure Equipment</b>			
2" Aluminum Double Diaphragm Pump	Williston		1
1" Stainless Double Diaphragm Pump	Williston		1
1" Poly Double Diaphragm Pump	Williston		1
2" Oil Hose	Williston		1000'
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Williston		200'
<b>(5) Environmental Monitoring Equipment</b>			
Passport Four Gas Meter	Williston		1
Passport Photo ionization Detector	Williston		1
Sensodyne Meter	Williston		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
2-Way Radio	Williston	Nextel	2
<b>(11) Miscellaneous</b>			

## MID-ATLANTIC REGION SERVICE CENTERS

<b>EDISON, NJ SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(732) 248-1997</b>
<b>3 Sutton Place</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Edison, NJ 08817</b>	<b>Fax #</b>	<b>(732) 248-4414</b>

Shawn Barrett, General Manager

EPA / Federal ID #:

NJD986644581

### Personnel Authorized to release equipment / materials / manpower, etc:

Shawn Barrett  
Paul Feeny  
Carmine Cattafi  
Tim Lokos

Julian Stroming

### 40-Hour OSHA Trained Personnel:

Supervisor	8
Foreman	6
Equipment Operator	12
Field Technician	8

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
12' Loweline /Trailer	Metro	Fleet #V262 Model 1236	1
16' FT Jon Boat /Trailer	Metro	Fleet # V205 Model L1648/m/mt	1
16' FT Jon Boat	Metro	Fleet # V240 Model 1648LW	1
16' FT Jon Boat	Metro	Fleet # V266 Model 1652VBW	1
24' FT Hanko w/ Trailer	Metro	Fleet # V304	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Metro	5000 gal	5
Roll Off Truck	Metro	straight frame truck	12
Roll Off Trailers	Metro	Roll Off trailers	3
High Powered Vacuum Loader	Metro	Cusco 3,000 gallons	2
Utility Vehicles	Metro	Pick-Up Trucks	11
Emergency Response Van	Metro	Cube Vans ( Confined Space Ready)	2
Spill Boom Trailer	Metro		1
Skid Vacuum	Metro	1,000 gal.	1
Spill Trailer	Metro		2
Straight Vacuum Truck	Metro	3,200 gallon capacity	1
Box Truck w/Lift-gate	Metro		1
Rack Body Truck w/Lift-gate	Metro		2
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Metro	2" Poly	1
Submersible Pump	Metro	Electric	3
3" Centrifugal Pump	Metro	Gasoline ( Not for Flam.)	2
Pressure Washer	Metro	2500-3000 PSI Hot Water	4
Trailer Mounted Pressure Washer	Metro	2500-3000 PSI Hot Water	2
1" Double Diaphragm Pump	Metro	Stainless Steel	2
2" Double Diaphragm Pump	Metro	Cast Aluminum	2
1" Double Diaphragm Pump	Metro	Cast Aluminum	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Containment Boom	Metro	American Marine 18"	3100'
Absorbent Pads	Metro	18"/100 each	40
Absorbent Boom	Metro	6"/40'/bag	15
Absorbent Blankets	Metro	Sorbent Blankets (packs)	15
Speedi-Dry	Metro	Pallets	10
<b>(5) Environmental Monitoring Equipment</b>			
Explosion Meter	Metro		2
MSA Gas & O2 Passport	Metro		3
PID	Metro	Photon	1
Jerome Meter	Metro		1
Personal Air Sampling Pumps	Metro		5
Draegar Kits	Metro		2
<b>(6) Recovery Equipment</b>			
Swiss Skimmer	Metro	Olea II	1
Slurp Skimmer	Metro		1
Drum Skimmer	Metro	Crucial 50 GPM	2
Drums	Metro	55 and 85 gal	12
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat W/Trailer	Metro		1
Backhoe	Metro		1
Water Treatment System	Metro		1
2 x 1,000 lb. Carbon Vessels	Metro		2
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Metro		5
Portable Light Set	Metro		4
Trailer Air Compressor	Metro	175 CFM	1
Trailer Light Tower	Metro		12
Drum Loading Vacuum Unit	Metro	55 gal. Drum, 4" & 6"	2
<b>(9) Health and Safety Equipment</b>			
S.C.B.A	Metro	Survivair	6
Spare Air Cylinders	Metro	1 Hour Air Bottles	6
4 Man Cascade System	Metro	Airline Resp.	2
MSA Cartridge Mask	Metro	Mine Safety	30
Safety Harness	Metro		8
Mechanical Extraction Devices	Metro	w/Tripods	3
Confined Space Equipment	Metro	3 Sets	3
Level B Spill Trailer	Metro	Remote B System	1
<b>(10) Communications</b>			
2 Way Radios	Metro	Nextel	36
Nextel Base Station	Metro	Motorola/Nextel	1
<b>(11) Miscellaneous</b>			
Electric Blower	Metro	3,000 CFM	3
6,000 Lb. Forklift	Metro	Propane Driven	1
Air Driven Blower	Metro	11,000 CFM	2

<b>Emergency Response Subcontractors</b>
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<b>Aerotek Environmental Staffing</b> 600 Parsippany Road Parsippany, NJ 07054 (201) 884-7310	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Industrial Environmental Contracting, Inc.</b> 900 Port Reading Avenue Port Reading, NJ 07064 (732) 969-3344	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Ken's Marine</b> 117 East 22nd Street Bayonne, NJ 07002 (201) 437-1105	<b>Contact:</b>	<b>Services Provided:</b> Marine Equipment Marine Supplies
<b>Northstar Marine</b> Sealsie City, NJ (609) 263-2222	<b>Contact:</b>	<b>Services Provided:</b> Marine Equipment Marine Supplies
<b>S &amp; J Transport</b> Woodstown, NJ (609) 769-2741	<b>Contact:</b>	<b>Services Provided:</b>
<b>Hertz Equipment Rentals</b> Doremus Avenue Newark, NJ (923) 589-7540	<b>Contact:</b>	<b>Services Provided:</b> Equipment Rental
<b>Nobel Equipment</b> Linden, NJ 07036 (908) 925	<b>Contact:</b>	<b>Services Provided:</b> Equipment Rental
<b>Dave's Heavy Towing</b> 87 Old Camplain Road Hillsborough, NJ 08844 (908) 526-3999	<b>Contact:</b>	<b>Services Provided:</b> Towing

<b>BRIDGEPORT, NJ/PHILADELPHIA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(856) 467-3102</b>
<b>2858 Route 322</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Bridgeport, NJ 08014</b>	<b>Fax #</b>	<b>(856) 467-7490</b>

Joe Moyer, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Joe Moyer  
Ed Dreger  
Kimberly Perna

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4
Foreman	4
Equipment Operator	4
Field Technician	8

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Aluminum Boat	Bridgeport	16FT./Aluminum / Starcraft	1
G3	Bridgeport	14Ft./Aluminum / G3	2
G3	Bridgeport	16Ft./Aluminum / G3	1
Outboard Engine	Bridgeport	25 HP Yamaha	2
Outboard Engine	Bridgeport	9.9 HP Yamaha	1
NCR Aluminum Barge System	Bridgeport	8' x 40' sectional barge	2
<b>(2) Motor Vehicles</b>			
Vacuum Trucks	Bridgeport	3,000 gallon	2
Vac Trailer	Bridgeport	5,000 gallon	2
Roll Off Trailer	Bridgeport		1
Cusco	Bridgeport	2,500 gallon/12cu. Yd.	1
Tractor	Bridgeport		4
Vacuum Unit	Bridgeport	Skid Mount 750 gal	1
Pickup Trucks	Bridgeport		2
Crew Cab Pickups	Bridgeport		6
Rack Trucks	Bridgeport		1
Emergency Response Van	Bridgeport		0
Emergency Response Trailer	Bridgeport		0
Drum Trailer	Bridgeport		1
Boom Trailer	Bridgeport		2
Boat Stack Trailer	Bridgeport		0

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Bridgeport	1" - Pneumatic - Poly	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - Poly	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - S.S.	1
Double Diaphragm Pump	Bridgeport	2" - Pneumatic - Steel	1
Double Diaphragm Pump	Bridgeport	3" - Pneumatic - Steel	1
Submersible Pump	Bridgeport	2.5" Electric	2
Trash Pump	Bridgeport	2" Gasoline	1
Cold Water Pressure Washers	Bridgeport	Gasoline	1
Hot Water Pressure Washer	Bridgeport	Gasoline	3
Hot Water Pressure Washer	Bridgeport	Trailer Mounted	1
Venturi Blower Tubes	Bridgeport	Pneumatic	2
Ventilation Fans (Copus)	Bridgeport	Pneumatic	2
Ventilation Fans	Bridgeport	(Electric)	1
Firemans Fan	Bridgeport	Electric	1
<b>(4) Oil Spill Containment Booms</b>			
American Marine	Bridgeport	18" Harbor Boom	2,500'
Absorbents	Bridgeport	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
LEL Meter	Bridgeport	MSA Passport	2
PID Meter	Bridgeport	MSA	1
Sensodyne Pump	Bridgeport		2
Jerome Meter	Bridgeport	Mercury	2
<b>(6) Recovery Equipment</b>			
Skimmer	Bridgeport	Skimpac	1
Skimmer (NRC)	Bridgeport	V koma Fasflo	1
Skimmer (NRC)	Bridgeport	4 Band Vertical Mop Wringer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Forklift (Level B Equipped)	Bridgeport	TCM	1
Bobcat	Bridgeport		1
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Bridgeport	185 CFM	2
Portable Generator	Bridgeport		1
Explosion Proof Lights	Bridgeport	Tank Lights - Drop	3
Explosion Proof Lights	Bridgeport	300 Watt Spot Light	1
<b>(9) Health and Safety Equipment</b>			
MSA Supplied Air Systems	Bridgeport	Cascade	2
MSA SCBA	Bridgeport	30 Minute Setup	5
MSA SCBA	Bridgeport	60 Minute Setup	2
MSA Air Bottles	Bridgeport	30 Minute Setup	6
Hip-Air Egress Systems	Bridgeport	MSA - 15 Minute	4
Respirator Cartridges	Bridgeport	Assortment	
Personal Protective Clothing	Bridgeport	Assortment	
Level B Suits	Bridgeport	Responder	8
Portable Decon Showers	Bridgeport	Self-Contained	2
Portable Storage Tank	Bridgeport	Poly Tank 4,000 Gallon	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Marine Band Transceivers	Bridgeport	Icon M-11 Portable VHF	4
Cellular Phones	Bridgeport	Motorola	12
<b>(11) Miscellaneous</b>			
Anchors	Bridgeport		5
Line 3/8"	Bridgeport	Stock	1000'
Personal Flotation Devices	Bridgeport	Stock	20
Survival Suits	Bridgeport	Stock	4
Hard Hose	Bridgeport	2"	400'
Hard Hose	Bridgeport	3"	200'
Vactor Hose	Bridgeport	Assortment	
Air Hose	Bridgeport	3/4"	400'
Drum Vacuums	Bridgeport	Pneumatic	2
Ladders	Bridgeport	Various - Fiberglass	4
Ladders	Bridgeport	Tank - Fiberglass	1
Portable Heaters - Space	Bridgeport	Diesel & Electric	1
Oxygen/Acetyne Cutting Torches	Bridgeport	Complete Sets	1
Sawzall	Bridgeport	Pneumatic/electric	3
Metal Nibler	Bridgeport	Pneumatic/electric	1
Hole Saw	Bridgeport	Pneumatic	1

<b>Emergency Response Subcontractors</b>
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<b>Maritrans</b> Fort Mifflin Road Philadelphia, PA Phone: (609)492-8100	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Delaware Launch Service</b> Slaughter Beach, DE Phone: (302)422-7604	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>McAllister Brother</b> Broadway Camden, NJ Phone: (609) 966-2822	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>North Star Marine</b> 8200 Landis Avenue Sea Isle City, NJ Phone: (609) 263-2222	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Moran Towing</b> Pier 100 Philadelphia, PA Phone: (215) 755-4700	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Hueber's Launch Service</b> Marcus Hook, PA Phone: (215) 755-4700	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge

<b>Emergency Response Subcontractors Cont.</b>
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<b>Albert C. Westcot Company</b> Gardener's Basin Atlantic City, NJ Phone: (609) 345-1974	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Subaqueous Enterprises</b> Scullville, NJ Phone: (609) 927-1230	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Marine Salvage</b> Ellsworth Salvage, Inc. Broadway, Camden, NJ Phone: (609) 966-4469	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Jamestown Marine Service</b> 24 Southwest Avenue, Suite 4 Jamestown, RI Phone: (800) 332-0100 Phone: (609) 966-4469	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Buglser Towing Towing &amp; Salvage Company</b> 326 First Street Annapolis, MD 21043 Phone: (410) 268-1941	<b>Contact:</b>	<b>Services Provided:</b> Boats, Tow / Barge
<b>Divers Mechanics</b> Blackwood, NJ Phone: (609) 227-9262	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>In-Depth Marine Construction</b> Toms River, NJ Phone: (609) 270-6812	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>American Dredging-Weeks Marine</b> Camden, NJ Phone: (609) 963-0963	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>Smith Brothers</b> Galesville, MD Phone (410) 867-1818	<b>Contact:</b> Jeff Smith	<b>Services Provided:</b> Dredges, Clam Shells Tug & Barge

<b>BALTIMORE, MD SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(301) 939-6000</b>
<b>3527 Whiskey Bottom Road</b>	<b>24 Hr. #</b>	<b>(800) 622-3360</b>
<b>Laurel, MD 20724</b>	<b>Fax #</b>	<b>(301) 939-6076</b>

Mark Hale, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Mark Hale  
Randy Thomas

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Foreman	3
Field Technician II	3
Field Technician I	6
Equipment Operator	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Hanko	Laurel	24 ft Aluminum V-Hull/150 HP Yamaha	1
Pointer	Laurel	22 ft FiberglassV-Hull /125 HP Evinrude	1
Sylvan	Laurel	14 ft/ Aluminum V-Hull	2
Alumacraft	Laurel	14 ft/ Aluminum Flat Hull	2
Johnson	Laurel	25 HP	1
Johnson	Laurel	9.9 HP	1
Nissan	Laurel	9.8 HP	1
Personal Floatation Device	Laurel	-	50
Anti-Exposure Suits	Laurel	Stearns	1
Anchors	Laurel	-	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Baltimore	6,000 gallon/Brenner	1
Vacuum Trucks	Baltimore	3,000 gallon/Kenworth	2
Cusco	Baltimore	2,500 gallon/12 Cu. Yd/Freightliner	1
Tractor	Baltimore	Kenworth	1
Roll-Off Frames	Baltimore	Galbreath	1
Roll-Off Containers	Baltimore		10
Pick-Ups	Laurel	Chevrolet (4) , Ford(4)	8
Rack Trucks	Laurel	02' Chevrolet 3500 HD	1
Cube Vans	Laurel	00' Ford E-350	1
Emergency Response Trailer	Laurel	94' Haulmark	1
Boom Trailer	Baltimore	1,000 Ft. Boom each	2
Frac Tank	Baltimore	20,000 gal	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Laurel	2' Stainless Steel	1
Double Diaphragm Pump	Laurel	2" Polypropylene	2
Double Diaphragm Pump	Laurel	3" Aluminum	3
Double Diaphragm Pump	Laurel	2" Aluminum	1
Double Diaphragm Pump	Laurel	1" Aluminum	1
Submersible Pump	Laurel	2" Electric	2
Gas Pressured Pump	Laurel	3" Homelite	1
Gas Trash Pump	Laurel	2" Homelite 121TP2-18	2
Submersible Pump	Laurel	4" Hydraulic driven	1
Cold Water Pressure Washer	Laurel	2600 psi - Portable	4
Cold Water Pressure Washer	Laurel	3500 psi - Portable	1
Hot Water Pressure Washer	Laurel	3000 psi - trailer mounted	1
Venturi Blower Tubes	Laurel	Pneumatic	4
Ventilation Fans (Coppus)	Laurel	Pneumatic	4
<b>(4) Oil Spill Containment Booms</b>			
American Marine	Laurel	18" Harbor Boom	2,000
Langerman	Laurel	15i Creek Boom	100'
PSI	Laurel	6" Creek Boom	100'
Absorbents	Laurel	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
PID	Laurel	MSA/Passport	1
Photo ionization Detector	Laurel	HNU	3
Combustible Gas Meter	Laurel	MSA #261	2
Combustible Gas Meter	Laurel	MSA 4 Gas	1
Combustible Gas Meter	Laurel	MSA 3 Gas	1
Draeger Pump	Laurel	Draeger	2
Air Monitoring Pumps	Laurel	SKC	4
Sensidyne Pump	Laurel	Sensidyne	2
Mercury Vapor Detector	Laurel	Jerome	1
<b>(6) Recovery Equipment</b>			
Skimmer	Laurel	Skimpac 18000 series	2
Elastec Drum Skimmer	Laurel	TDS-118	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat Loader	Laurel	743 Skid-Steer	1
Bobcat Trailer	Laurel	Beck	1
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Laurel	175 CFM/Ingersoll Rand	1
Compressor	Laurel	185 CFM/Leroi	1
Compressor	Laurel	185 CFM/Sullair	1
Portable Generator	Laurel	Coleman	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(9) Health and Safety Equipment</b>			
MSA Supplied Air Systems	Laurel	Cascade	6
MSA S.C.B.A	Laurel		8
Hip-Air Escape bottles	Laurel		10
Personal Protective Clothing	Laurel	Assorted	
Respirator Cartridges	Laurel	Assorted	
Nomex Suits	Laurel		3
Extraction Device	Laurel	DBI 50' W/Tripod	3
Extraction Device	Laurel	Miller 75' W/Tripod	1
Safety Harness	Laurel	Miller	12
Explosion Proof Light	Laurel		2
<b>(10) Communications</b>			
2-Way Portable Radio	Laurel	Nextel-Motorola	15
2-Way Portable Radio's w/phone	Laurel	Nextel-Motorola	13

<b>Emergency Response Subcontractors</b>
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<b>Baltimore Launch &amp; Marine Svc, Inc.</b> Pier 1, Clinton Street, Baltimore, MD 21224 (301) 563-3411	<b>Contact:</b> Captain Sorensen 24 Hour Service	<b>Services Provided:</b> Boats (Tow / Barge)
<b>Captain's Ship Chandlery Co.</b> 1726 S. Clinton Street Baltimore, MD 21224 (410) 732-7680	<b>Contact:</b> Thomas Payne	<b>Services Provided:</b> Fuel Supplies
<b>Vane Brothers Co.</b> Pier 11, Canton 4209 Newgate Ave Baltimore, MD 21224 (410) 631-7773	<b>Contact:</b> Capt. Russi Makojina	<b>Services Provided:</b> Fuel Supplies
<b>Baker-Whitely Towing Co.</b> 2000 Clinton Street Baltimore, MD 21224 (410) 276-8000	<b>Contact:</b> Richard Gross (24 Hour Service)	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Moran Towing Company</b> World Trade Center, Suite 800 Baltimore, MD 21202 (410) 732-9600	<b>Contact:</b> Paul Swenson	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Marine Launch Company (Vain Bros.)</b> Pier 11, 4209 Newgate Ave. Baltimore, MD 21224 (410) 631-7773	<b>Contact:</b> Tom Gaither	<b>Services Provided:</b> Boats (Tow, Barge)
<b>Solman's Island Marine</b> P.O. Box 156 Solomans, Md. 20688 (410) 326-6801	<b>Contact:</b>	<b>Services Provided:</b> Boats (Tow, Barge)

<b>Emergency Response Subcontractors</b> <b>Cont.</b>
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<b>McClellan Contracting (possible vendor)</b> 6700 Curtis Court, Glen Burnie, MD 21226 2001 Benhill Road, Baltimore, MD 21226 (410) 553-6700 office (410) 355-1407 yard	<b>Contact:</b> Tyrus Fisher	<b>Services Provided:</b> Marine Salvage
<b>Baltimore Ship Repair (Phillyship)</b> 1508 Open Street, Baltimore, MD 21226 (410) 355-7400	<b>Contact:</b> Michael Moss	<b>Services Provided:</b> Divers
<b>Diver's Den Inc.</b> 8105 Harford Road, Baltimore, MD 21234 (410) 668-6866	<b>Contact:</b>	<b>Services Provided:</b> Divers
<b>Dover International Limited</b> 12826 Dover Road, Riestestone, MD (410) 561-3500	<b>Contact:</b>	<b>Services Provided:</b> Fuel Supplies
<b>Dover International Limited</b> 12826 Dover Road, Riestestone, MD (410) 561-3500	<b>Contact:</b> Jim Platt	<b>Services Provided:</b> Helicopters
<b>Omniflight Airways</b> Martin Airport - Hanger #6 Baltimore, MD 21220 (410) 391-7722	<b>Contact:</b> Tom Palcic	<b>Services Provided:</b> Helicopters
<b>So. Baltimore Industrial Mutual Aid Plan</b> P.O. Box 3476: Baltimore, MD 21225-0476 (410) 354-5751	<b>Contact:</b> Chairman: Gene Reynolds (FMC Corporation)	<b>Services Provided:</b> Cooperative
<b>JW Transport, Inc.</b> 2437 Durham Road Bristol, PA 19007 (215) 946-3033	<b>Contact:</b> John Witmer	<b>Services Provided:</b> Subcontracted Labor
<b>Woodchuck Enterprises</b> 25525 Loville Road Leonardtown, MD 20650 (301) 994-2283	<b>Contact:</b> Bill Peterson	<b>Services Provided:</b> Subcontracted Labor
<b>J.W. Walker &amp; Sons</b> 6812 Fort Smallwood Rd. Baltimore, Md. 21226 (410) 636-1349	<b>Contact:</b> Mike Walker Jay Walker	<b>Services Provided:</b> Subcontracted Labor

<b>RICHMOND, VA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(804) 452-1800</b>
<b>7515 Harvest Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Prince George, VA 23875</b>	<b>Fax #</b>	<b>(804) 452-1700</b>

Eric Montgomery, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Eric Montgomery  
Michael Leuchte  
Doug Kirchoff

**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	1
Equipment Operator	3
Field Technician I	2
Field Technician II	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
15' Alumacraft workboat	Prince George	With 20 hp Evinrude motor	1
15' Loweline	Prince George	15 feet	1
20' Fiberglass pointer	Prince George	115 hp motor	1
<b>(2) Motor Vehicles</b>			
High power vacuum loader	Prince George	3000 Gallon/ 10 CU.YD	1
High power vacuum loader	Prince George	3000 Gallon/ 10 CU.YD	1
Vacuum Trailer	Prince George	5000 gallon Brenner	1
Transporter	Prince George	6000 gallon capacity	2
Tractor	Prince George	Mack	2
Hydro Blaster	Prince George	10k/straight box truck	1
Pick ups	Prince George	F 350'S - F 250'S- Rack trucks-crew cabs	7
Fork lift	Prince George	6500 bs capacity	1
Hard Boom trailer	Prince George		1
Bobcat	Prince George		1
Flat bed trailer	Prince George		2
<b>(3) Pumps and Pressure Equipment</b>			
Trailer Mounted Skid Vac	Prince George	500 gallon capacity	1
Double Diaphragm Pump	Prince George	3" Pump	2
Double Diaphragm Pump	Prince George	2" Pump	1
Double Diaphragm Pump	Prince George	2" Chemical Pump	2
Double Diaphragm Pump	Prince George	1" Pump	2
Drum Vacuum	Prince George		4
Pressure washers	Prince George	3000 PSI	1
Pressure washers	Prince George	3000 PSI Hot water Units	3
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Hard Boom W/spill trailer	Prince George	American Marine 18 inch	2000 ft
Absorbent Boom, Sweep, Pads	Prince George	Assorted	

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
MSA Passport Pid	Prince George	Meters	3
MSA Passport Four Gas	Prince George	Meters	3
MSA Sirius 5 Gas	Prince George	Meters	2
Drager Pump	Prince George	Meters	3
Jerome Mercury Meter	Prince George		1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Prince George	185 Cfm	1
Air Compressor	Prince George	Rigid 135 max psi	1
Generator	Prince George	Homelite 4400	1
Various Light Stands	Prince George		5
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Devices	Prince George	With DBI'S	3
Tank Truck Tripod	Prince George		2
Full Face Respirators	Prince George	Assorted	8
Cyanide Antidote Kit	Prince George		1
Diphoterine	Prince George	Caustic burn treatment solution	3
Nomex Coveralls	Prince George		12
Grade D Breathing air cylinders	Prince George		10
SCBA	Prince George	Rescue Pack	4
Hip Air	Prince George		4
Coppus Blower - Elec./ Pneumatic	Prince George		6
<b>(10) Communications</b>			
Nextel	Prince George		10
Motorola	Prince George	Two-way Radio	2
Motorola	Prince George	Marine Radio	2
<b>(11) Miscellaneous</b>			
Anchors	Prince George		4
Rope	Prince George		4000 ft
Life Vest	Prince George		30
Survival Suits	Prince George		2
Coupling And Hardware	Prince George	Assorted	
Pneumatic N bbler	Prince George		1
Chain Saw	Prince George		2
Portable Torches	Prince George		2
Electric Reciprocating Saws	Prince George		3
Pneumatic/ Electric Drills	Prince George		2
Drum De-headers	Prince George		3
Pneumatic Chipping Hammers	Prince George		2
3' Chemical Hose	Prince George		300 ft
2' Chemical Hose	Prince George		300 ft
4" Oil Hose	Prince George		100 ft
3" Oil Hose	Prince George		300 ft
2" Oil Hose	Prince George		300 ft
8" Vactor Pipe	Prince George		200 ft
6" Vactor pipe	Prince George		200 ft

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(11) Miscellaneous</b>			
Hepa Vacuum	Prince George		3
4"/ 6" Flex Hose	Prince George		600 ft
Portable Eye Wash	Prince George		3
Explosion Proof Lights	Prince George		3

<b>Emergency Response Subcontractors</b>
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<b>Onsite Environmental Staffing</b> 10900 Nuckols Road Glen Allen Va 23060 (804) 968-6070	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Progressive Pipeline Management</b> 10 Marissa court Atlantic Highlands, NJ 07716 (908) 309-5992	<b>Contact:</b> Dave Wickersham	<b>Services Provided:</b> Labor and Equipment
<b>Environmental Rental Services</b> 434 Corporate Blvd. Rockhill South Carolina (803) 980-7780	<b>Contact:</b> Scott Furr	<b>Services Provided:</b> Equipment
<b>Baker Tanks</b> 938 East 4th Street Richmond Va (804) 233-9900 Fax / Other #	<b>Contact:</b> Duff Green	<b>Services Provided:</b> Frac Tanks, Sludge Boxes, Roll-off Cans
<b>Hertz Equipment Rental</b> 9300 Burge Avenue Richmond, Va 23237 (804) 271-6473	<b>Contact:</b> Mike Germanus	<b>Services Provided:</b> Equipment Rentals
<b>Lockwood Marine</b> 220 Salters Creek Road Hampton, Va 23669 (804) 722-1946	<b>Contact:</b>	<b>Services Provided:</b> Tugs, Barges, Cranes
<b>Godwin Pumps</b> 3104 North Side Avenue Richmond, Va 23228 (804) 266-3614	<b>Contact:</b>	<b>Services Provided:</b> Pumps

<b>CHESAPEAKE, VA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(757) 543-9240</b>
<b>804 J Industrial Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chesapeake, VA 23324</b>	<b>Fax #</b>	<b>(757) 543-8486</b>

Eric Montgomery, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eric Montgomery  
Steve Baddorf  
Michael Leuchte  
\*Satellite to Richmond Office

Derrick Armstrong

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Equipment Operator	3
Field Technician I	3
Field Technician II	1

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Work Boat ( Aluma Craft)	Chesapeake	15 ft 20 hp motor	1
22 ft aluminum work boat	Chesapeake	22 ft aluminum flat bottom 150 hp motor	1
<b>(2) Motor Vehicles</b>			
Straight Vacuum Truck	Chesapeake	3000 Gallon Brenner	1
Pick-Up Trucks	Chesapeake		2
Rack Truck	Chesapeake		1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Chesapeake	3" oil pump	1
Drum Vacuum	Chesapeake	Nortech	1
Pressure Washer	Chesapeake	3000 psi	1
Pressure Washer	Chesapeake	3000 psi Hot Water	1
<b>(4) Oil Spill Containment Booms</b>			
Spill Response Trailer	Chesapeake	18" Hard Boom American Marine	2000 Ft
Soft Boom, Pads, Sweep, Snare	Chesapeake	Assortment	
<b>(5) Environmental Monitoring Equipment</b>			
Oxygen Lel Meters	Chesapeake	Passport 4 gas	1
Vapor Meters	Chesapeake	Passport PID	1
Drager Pump	Chesapeake	With Misc. Tubes	1
<b>(6) Recovery Equipment</b>			
Oil Skimmer	Chesapeake	Drum skimmer	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air compressor	Chesapeake	Leroi 185 CFM	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Device	Chesapeake	W/ DBI	1
Tank Truck Tripod	Chesapeake		1
Nomex Coverall	Chesapeake		4
SCBA	Chesapeake	Back up Rescue	1
Hip Air	Chesapeake		3
<b>(10) Communications</b>			
Two Way Radios	Chesapeake	Nextel	2
Two Way Radios	Chesapeake	Motorola	5
<b>(11) Miscellaneous</b>			
3" Oil Hose	Chesapeake		300 ft
Compressor Hose	Chesapeake		300 ft
Anchors	Chesapeake		2
Life Vest	Chesapeake		20
Portable Eye Wash	Chesapeake		1

<b>Emergency Response Subcontractors</b>
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<b>Accurate Marine Services</b> 3965 Burtons Point Road Portsmouth, VA 23704 (757) 393-5840	<b>Contact:</b>	<b>Services Provided:</b> Labor, Vacuum Trucks Equipment
<b>Lockwood Marine</b> 220 Salters Creek Road Hampton, va 23669 (804) 722-1946	<b>Contact:</b>	<b>Services Provided:</b> Tugs, Barges, Cranes
<b>Godwin Pumps</b> 120 Dorset Avenue Virginia Beach, VA 23462 (757) 490-1300	<b>Contact:</b>	<b>Services Provided:</b> Pumps
<b>Onsite Environmental Staffing</b> 10900 Nuckols Road Glen Allen, VA 23060 (804) 968-6070	<b>Contact:</b>	<b>Services Provided:</b> Labor
<b>Baker Tanks</b> 938 East 4th Street Richmond, VA 23224	<b>Contact:</b> Duff Green	<b>Services Provided:</b> Frac Tanks, Sludge Box's Roll-off Containers
<b>Hertz Equipment Rentals</b> 716 S. Military Highway Norfolk, VA 23464	<b>Contact:</b>	<b>Services Provided:</b> Heavy Equipment
<b>Industrial Marine Services</b> 1301 Marsh Street Norfolk, VA 23523 (804) 543-5718	<b>Contact:</b>	<b>Services Provided:</b> OSRO Contractor

<b>REIDSVILLE, NC SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(336) 342-6106</b>
<b>208 Watlington Industrial Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Reidsville, NC 27320</b>	<b>Fax #</b>	<b>(336) 361-6130</b>

Eric Montgomery, General Manager

EPA / Federal ID #: NCD 000 648 451

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eric Montgomery  
Jim Poch  
Michael Leuchte  
\*Satellite to Richmond Office

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Equipment Operator	1
Field Technician I	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
High Powered Vacuum Loader	Reidsville	3000 Gallon/ 10 CU.YD Cusco	1
Pick-Up Truck	Reidsville		2
Rack Truck	Reidsville		1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Reidsville	3000 Psi	1
Drum Pump	Reidsville		1
<b>(4) Oil Spill Containment Booms</b>			
Pads, Soft boom, Sweep	Reidsville	Assorted	
<b>(5) Environmental Monitoring Equipment</b>			
Oxygen LeL Meter	Reidsville	Passport 4 Gas	1
PID	Reidsville	Passport PID	1
Drager Pump	Reidsville	Assorted Tubes	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Light Stands	Reidsville		2
Generator	Reidsville		1
<b>(9) Health and Safety Equipment</b>			
Tripod Extraction Device	Reidsville	W/ DBI	1
SCBA	Reidsville	Rescue	2
Hip air	Reidsville		2
Harnesses	Reidsville		4

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Two-way Radio / Phone	Reidsville	Nextel	4
<b>(11) Miscellaneous</b>			
Shop Vac	Reidsville		2
Portable Eye Wash	Reidsville		1

<b>Emergency Response Subcontractors</b>
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## SOUTHEAST REGION SERVICE CENTERS

<b>CHATTANOOGA, TN SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(423) 825-6926</b>
<b>3300 Cummings Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chattanooga, TN 37419</b>	<b>Fax #</b>	<b>(423) 825-4140</b>

Steve Mersch, General Manager  
Ray Dycus, Operations Manager

EPA / Federal ID #:

N/A

### Personnel Authorized to release equipment / materials / manpower, etc:

Steve Mersch (423) 593-9307  
Edd Burch (423) 309-7436  
Ray Dycus (423) 718-8248  
Ken Dalton (423) 667-4276

Michael Emery (615) 418-7348  
Tony Carter (423) 593-9404  
Eric Montgomery (423) 309-7851

### 40-Hour OSHA Trained Personnel:

Supervisor	1
Foreman	2
Equipment Operator	2
Field Technician II	2
Field Technician I	3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	Chattanooga	16' with flat bottom and 25hp	2
22' Workboat	Chattanooga	Flat bottom w/ 125HP	1
<b>(2) Motor Vehicles</b>			
Pickup Trucks	Chattanooga	F550, F350 & F250	5
<b>(3) Pumps and Pressure Equipment</b>			
CUSCO - High Powered Vacuum	Chattanooga	3,000 - gallon	1
SpoutVac - Skid Mounted	Chattanooga	2,200 - gallon	1
Blaster8 Cold Water PW Unit	Chattanooga	8,000 - psi	1
Washer 36 Cold Water PW Unit	Chattanooga	3,600 - psi	1
Washer 40 Cold Water PW Unit	Chattanooga	4,000 - psi	1
Vacuum Tanker Trailer	Chattanooga	5,000 - gallon	3
Roll-Off Frame	Chattanooga		1
Road Tractors	Chattanooga		2
<b>(4) Oil Spill Containment Booms</b>			
1500' Containment Boom and Trailer	Chattanooga	18" Hard Boom	500'
<b>(5) Environmental Monitoring Equipment</b>			
5 gas Monitoring Meters	Chattanooga	5 - Gas	1
4 gas Monitoring Meters	Chattanooga	4 - Gas	1
<b>(6) Recovery Equipment</b>			
36" Drum Skimmer	Chattanooga	36" air operated	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Portable Generator	Chattanooga	3,500 W	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Equipment	Chattanooga	Full Setup	2
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>TUCKER, GA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(770) 934-0902</b>
<b>1875 Forge Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Tucker, GA 30084</b>	<b>Fax #</b>	<b>(770) 496-5996</b>

Steve Mersch, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Steve Mersch (423) 593-9307

\*Satellite office to Chattanooga, TN office

<b>40-Hour OSHA Trained Personnel:</b>
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Field Technician I

3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Pickup Trucks	Tucker	F250	2
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Tucker		500'
<b>(5) Environmental Monitoring Equipment</b>			
5 - Gas Monitoring Meter	Tucker	5 - Gas	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Equipment	Tucker	Complete Set of Equipment	1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>BARTOW, FL SERVICE CENTER</b> <b>170 Bartow Municipal Airport</b> <b>Bartow, FL 33830</b>	<b>24 Hr. #</b>	<b>(863) 533-6111</b>
	<b>24 Hr. #</b>	<b>(800) 645-8625</b>
	<b>Fax #</b>	<b>(863) 519-6306</b>

Jon Sandora, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jon Sandora	813-239-4971	Jnet Sheffield	863-581-1985
Jeff Astin	863-860-1889	Joe Bruce	863-860-4341

**40-Hour OSHA Trained Personnel:**

Supervisor	1
Foreman	3
Equipment Operator	7
Field Technician I	7

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Aluminum w/ motor	Bartow	25 HP, 9 HP	2
21' Center Console Workboat	Bartow	21' / 115 HP	1
<b>(2) Motor Vehicles</b>			
Pick up truck	Bartow	F350	4
Pick up trucks	Bartow	F250	1
Rack Trucks	Bartow	5219/50105	2
ER Trailer	Bartow	Oil spill response	2
ER Trailer	Bartow	Chemical response	1
Tractor	Bartow	1283	1
Roll-off Trucks	Bartow	4195/40005	2
Roll-off Frame	Bartow	60017T	1
Box Truck	Bartow	387211/387215/5231/5231/387211/387215	6
Van Trailer's	Bartow	6122/6318/92049/527100/57101/08001	6
Utility Trailer's	Bartow		3
Tractor's	Bartow		7
<b>(3) Pumps and Pressure Equipment</b>			
Gap Vac	Bartow	CH4174	1
Guzzler	Bartow	CH4189	1
Vac/Air Mover	Bartow	572189	1
Vac Truck	Bartow	4113	1
St. Vac Truck	Bartow	413	1
Double Diaphragm Steel	Bartow	3"	1
Double Diaphragm Poly	Bartow	3"	1
Pressure Washer's	Bartow	2.5k/ 3.8k/ 3.8k/ 10k	4
Vacuum trailer	Bartow	130 barrel	4
Vacuum trailer	Bartow	70 barrel SJ CH413	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Bartow	CH327	1
18" Containment Boom	Bartow		2500'

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
4 gas meter (MSA)	Bartow		1
4 gas meter ( g-tech)	Bartow		1
P.I.D. ( H-NU)	Bartow		1
Sensydine & Drager meter w/tubes	Bartow		1
5 Gas Meter/Pid	Bartow		1
FID	Bartow		1
OVA	Bartow		1
<b>(6) Recovery Equipment</b>			
Work lights	Bartow		1
Drum Skimmer	Bartow		1
Pressure tested oil suction hose	Bartow	2"/ 3"/ 4"	3
Jackhammer's	Bartow		
Blower's	Bartow		
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavators	Bartow		
Bobcats	Bartow		
Backhoe	Bartow		
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Bartow	5000 watt	1
Intrinsically Safe light	Bartow		3
Electric and gas	Bartow	for drums	1
185 cfm tow behind Air Compressor	Bartow		1
24" Exhust Fan	Bartow		1
<b>(9) Health and Safety Equipment</b>			
CSE Equipment	Bartow		1
SCBA's	Bartow		4
Supplied Air	Bartow		
MSA Respirator's (all employee's)			
<b>(10) Communications</b>			
Nextel (All employee's)	Bartow		
Intrinsically safe 2-way Nextel	Bartow		
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
--

**Best Tec Abatement**

6930 Barbour Rd  
West palm Beach Fl.  
800-542-0024

**Contact:****Services Provided:****Lockwood Marine**

220 Salters Creek Rd  
Hampton, VA 23669  
804-722-1946  
804-879-0693

**Contact:**

**Services Provided:**  
Tugs, barges, cranes

**Hertz**

all locations

**Contact:**

**Services Provided:**  
Heavy Equipment

**Godwin Pumps**

Tampa Fl  
813-740-0331

**Contact:**

**Services Provided:**  
Pumps

## MID-WEST REGION SERVICE CENTERS

<b>DETROIT, MI SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(586) 977-8174</b>
<b>6414 Product Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sterling Heights, MI 48312</b>	<b>Fax #</b>	<b>(586) 977-8415</b>

Brian Overmyer, General Manager

EPA / Federal ID #:

SCR000074591

### Personnel Authorized to release equipment / materials / manpower, etc:

Brian Overmyer  
Byron McMorris

\*Satellite to Cleveland office

### 40-Hour OSHA Trained Personnel:

Supervisor	3
Foreman	2
Equipment Operator	1
Field Technician	3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
12' Workboat	Detroit		
NOTE! Boat is in Cleveland and the motor is in Detroit		Starcraft w/9.9 HP Outboard	1
14' Workboat	Detroit		2
<b>(2) Motor Vehicles</b>			
Pick-up/Van/Crew Cap	Detroit		3
Straight Vacuum Truck	Detroit	3,000 gal	1
Emergency Response Trailer	Detroit	8'	1
Utility Trailer	Detroit	15'	1
Cusco	Detroit	3,000	2
Roll-off Truck	Detroit	Tractor and Frame	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Detroit	3000 psi, gasoline, portable	1
2" Trash Pump	Detroit		1
2" Double Diaphragm Pump	Detroit	Steel	2
2" Double Diaphragm Pump	Detroit	Poly Pump	2
1" Double Diaphragm Pump	Detroit	Steel	2
Pneumatic Drum Vacuum	Detroit		1
Electric Drum Vacuum	Detroit		1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Detroit	18" American Marine	600'
<b>(5) Environmental Monitoring Equipment</b>			
4-Gas Meter (O2/CO/H2S/LEL)	Detroit	Industrial Scientific	2
Photo Ionization Detector	Detroit	MSA	1
Detector Tube Pump	Detroit	Sensidyne	2
<b>(6) Recovery Equipment</b>			
Oil Skimmer / Vacuum / Air	Detroit	Elastic Drum Skimmer	1
Oil Skimmer / Vacuum	Detroit	Skim-Pak	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Detroit	185 cfm	1
<b>(9) Health and Safety Equipment</b>			
S.C.B.A. w/full face respirator	Detroit	MSA	3
Hip Airs	Detroit	MSA	3
Level A Suits	Detroit		4
*Barricade Suits	Detroit		4
*Saranex Suits	Detroit		
Detroit	Detroit		12
*Poly Coated Tyveks	Detroit		18
*Neoprene Gloves	Detroit		1 pk
*PVC Gloves	Detroit		1 bx
*Nitrile Gloves	Detroit		2 bx
*Silver Shield Gloves	Detroit		1 pk
*Latex Gloves	Detroit		2 bx
*Inventoried and stocked on a weekly basis			
<b>(10) Communications</b>			
Portable phone/2-way radio	Detroit	Nextel	9
<b>(11) Miscellaneous</b>			
Chemical Hose	Detroit	1 ½"	150'
Chemical Hose	Detroit	2"	300'
Chemical Hose	Detroit	3"	250'
Chemical Hose	Detroit	4"	200'
Oil Hose	Detroit	2"	300'
Oil Hose	Detroit	3"	350'
Oil Hose	Detroit	4"	150'
Oil Hose	Detroit	6"	350'
Lay flat Discharge Hose	Detroit		100'
Confined Space Entry Equip	Detroit		1
Air Mover	Detroit	Coppus Horn	1
Spill Cart	Detroit		1

<b>Emergency Response Subcontractors</b>
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**Marine Pollution Control**  
(313) 849-2333

**Contact:**

**Services Provided:**

**EnManCo**

**Contact:**

**Services Provided:**

(586) 468-4320

**Michigan Pumping Services**

**Contact:**

**Services Provided:**  
Vacuum Truck Services

(734) 675-0225

<b>CHICAGO, IL SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(773) 646-6202</b>
<b>11800 South Stony Island Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Chicago, IL 60617</b>	<b>Fax #</b>	<b>(773) 646-6381</b>

Mike Ortiz, General Manager

EPA / Federal ID #:

ILD000608471

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Mike DeCleene  
Mike Ortiz  
Joe Rios

Steve Osuch

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	3
Foreman	3
Field Technician I	5
Field Technician II	2

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
24' Hanko Workboat	Chicago	Aluminum Outboard 150HP (1033893)	1
19' Pointer Workboat	Chicago	110 HP Outboard (MS6387AP)	1
18' Crestliner Workboat	Chicago	Aluminum Outboard 40 HP (IL8312HT)	1
14' Starcraft Workboat	Chicago	Aluminum, no motor	1
<b>(2) Motor Vehicles</b>			
Vacuum Tankers	Chicago	5000 gal stainless steel	4
Vacuum Tankers	Chicago	6000 gal stainless steel	1
Vacuum Tankers	Chicago	5500 gal stainless steel	9
Vacuum Tankers	Chicago	3800 gal w/ pony motor	1
Vacuum Lined Tankers	Chicago	5000 gal Dekrane fiberglass lines	1
Straight Vacuums	Chicago	3000 gal stainless steel	1
Straight Van Trucks	Chicago	17'	2
Straight Van Trucks	Chicago	24'	2
Bulk Trailers	Chicago	6000 gal stainless steel w/heat	1
Van Trailers	Chicago	Dry	11
Roll-off Trailers	Chicago		3
Roll-off Cans	Chicago		15
Emergency Response Trailer	Chicago	Level A, B, C equipped	2
Pickup Trucks	Chicago		8
Stake Body Trucks	Chicago	Lift Gate	1
Utility Trucks	Chicago		1
Skid Mounted Vacuum Unit	Chicago	1000 gal	1
Skid Mounted Vacuum Unit	Chicago	500 gal	1
Tractors	Chicago	City	6
Tractors	Chicago	Road	10
Frac Tanks	Chicago	20,000 gal ea. (heating capability)	3

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm	Chicago	3" Steel	3
Double Diaphragm	Chicago	3" Poly	1
Double Diaphragm	Chicago	2" Steel	3
Double Diaphragm	Chicago	2" Poly	4
Double Diaphragm	Chicago	1" Poly	1
Drum Vacuum	Chicago	2" Tornado	2
Drum Vacuum	Chicago	2" Nortech	1
Hot Water Pressure Washer	Chicago	3000 psi, trailer mounted	2
Cold Water Pressure Washer	Chicago	2000 psi, portable	1
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Chicago	Hard 18"-1800' on 3 Trailers	2100
Oil Containment Boom	Chicago	Hard 10"-Amer. Marine Superswamp	800
12' Boom Trailer	Chicago	Closed	2
16' Boom Trailer	Chicago	Closed	1
20' Boom Trailer	Chicago	Open	1
Absorbents	Chicago	8" Sorbent Booms, Pads, Sweep	Stock
<b>(5) Environmental Monitoring Equipment</b>			
HNU Meters	Chicago		3
LEL/O2/CO/H2S Meters	Chicago		3
Jerome Meter	Chicago		1
Draeger Pumps	Chicago		4
Personal Sampling Pumps	Chicago		6
<b>(6) Recovery Equipment</b>			
3.5' x 3.5' Duckbill Skimmer	Chicago		1
4' Double Barrel Skimmer	Chicago		1
8' Double Barrel Skimmer	Chicago		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
743 Bobcat With Trailer	Chicago	743 Bobcat	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Chicago	3500	1
Compressors	Chicago	185 CFM	3
Mobile Light Towers	Chicago	w/generator	1
<b>(9) Health and Safety Equipment</b>			
SCBA's	Chicago	4500 PSI	5
SCBA Cylinders	Chicago	4500 PSI	4
SCBA's	Chicago	2216 PSI	2
SCBA Cylinders	Chicago	2216 PSI	2
SAR Regulators	Chicago		2
SAR 4 Man Manifold	Chicago		2
SAR 2 Man Manifold	Chicago		1
SAR w/ 5 Minute Egress	Chicago		8
SAR Pigtails	Chicago		1
Air Line	Chicago	Breathing Air	1000'
APR Full Face	Chicago	Stock	2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Marine Radios (Hand Held)	Chicago		4
Two-Way Radios (Hand Held)	Chicago		8
<b>(11) Miscellaneous</b>			
Remote Drum Operator	Chicago		1
Intrinsically Safe Lighting	Chicago		3
Mechanical Extraction Devices	Chicago		3
Tank Truck Tripod	Chicago		3
Coppus Horns	Chicago		4
Pneumatic Reciprocating Saw	Chicago		6
4" Cusco Hose	Chicago		300'
1" Hard Hose	Chicago		800'
2" Hard Hose	Chicago		500'
3" Hard Hose	Chicago		500'
4" Vactor Hose	Chicago		300'
3" Lay Flat Hose	Chicago		500'
Air Hose	Chicago	3/4"	1000'
Chemical Hard Suction Hose	Chicago	2"	400'
Pneumatic Fans	Chicago		2
Pneumatic N bblcr	Chicago		1
Portable Acetylene Torch	Chicago		2
Chain Saws	Chicago		1
Demolition Saws	Chicago		2
Field First Aid Kits	Chicago		3
Hydrogen Cyanide Antidote Kits	Chicago		1
Anchors	Chicago		6
Chest Waders	Chicago		5
Rope Line (poly)	Chicago		2000'
Rope Line (manila)	Chicago		1500'
Personal Floatation Devices	Chicago		10
Fully Encapsulated Suits	Chicago	Limited Response	7
Nomex Coveralls	Chicago		10
Saranex Suits	Chicago		Stock
Poly Tyvek Suits	Chicago		Stock
Barricade Suits	Chicago		Stock
Gloves	Chicago		Stock
Ledisolv	Chicago	5 Gallon Containers	1
Hydrated Lime	Chicago	100 lbs each	20
Eye Wash Station	Chicago	Portable	1

<b>Emergency Response Subcontractors</b>
--

**On Site Staffing**

12311 W. 26th St., Suite 313  
Chicago, IL  
Phone # (800) 667-3680

**Contact:**

None Specific

**Services Provided:**

Staffing

**Baker Tanks**

Lincoln Highway  
Chicago Heights, IL  
Phone # (800) 532-8265

**Contact:**

None Specific

**Services Provided:**

Roll-offs  
Frac Tanks  
Pumps and Hoses  
Containments

**Rain For Rent**

221 McDonald Avenue  
Joliet, IL  
Phone #: (815) 744-3947  
Fax / Other # (815) 744-4820

**Contact:**

None Specific

**Services Provided:**

Roll-offs  
Frac Tanks  
Pumps and Hoses  
Containments

<b>CINCINNATI, OH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(513) 681-6259</b>
<b>4879 Spring Grove Avenue</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Cincinnati, OH 45232</b>	<b>Fax #</b>	<b>(513) 681-6246</b>

Brian Ludwig, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Ludwig  
Michael Moore  
Teresa Wasson

Mike Kreacic

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Foreman	3
Equipment Operator	2
Field Technician II	1
Field Technician I	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
22' Power boat	Cincinnati	Open Fiberglass/Westpoint/115	1
16' John Boat	Cincinnati	Aluminum, 25 HP	1
14' Skiff	Cincinnati	Open Fiberglass, 15 HP	1
Marine Portable Radios	Cincinnati	Standard	2
Commercial Radio, Mobile	Cincinnati	Motorola	11
Coast Guard Work Vests	Cincinnati		12
Coast Guard Deck Suits	Cincinnati		12
<b>(2) Motor Vehicles</b>			
Vacuum Trailer	Cincinnati	5,000 gallon	4
Straight Vacuum Truck	Cincinnati	3,000 gallon Ford	1
High Powered Vactor	Cincinnati	Cusco 3,000 gallon capacity	1
Vacuum Unit	Cincinnati	1,000 gallon Skid Mount	1
Vacuum Unit	Cincinnati	500 gallon Skid Mount	1
Emergency Response Trailer	Cincinnati	Wells Cargo	2
Semi-Tractor Power Unit	Cincinnati	KW	5
Straight Box	Cincinnati	Ford	1
Box Trailer	Cincinnati	Great Dane 48ft	4
Pickup	Cincinnati	Ford/GM/Ford Rack	6
Utility Trailers	Cincinnati	Probuilt	4
Roll Off Trailer	Cincinnati		2
Van Trailer	Cincinnati		5
<b>(3) Pumps and Pressure Equipment</b>			
3" Wilden D.D. Pump	Cincinnati	M-15	2
2" Wilden D.D. Pump	Cincinnati	M-8	2
2" Wilden D.D. Poly Pump	Cincinnati	M-8 Poly	2
Vacuum Drum Loader	Cincinnati	Norton	1
Pneumatic Drum Pump	Cincinnati	Flux	1
Pneumatic Drum Vacuum	Cincinnati	Fish and Callahan	2
Gasoline Powered Pump	Cincinnati	1.5"	1
Pressure Washer	Cincinnati	Hotsy	1
Pressure Washer	Cincinnati	2500 psi, portable	1
Manual Diaphragm Pump	Cincinnati	Pataay	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Cincinnati	18" American Marine	3000'
Oil Containment Boom	Cincinnati	10" American Marine	300
Absorbent Boom	Cincinnati	SPC 6", 40/Bag 5' x 10'	76
Absorbent Pads	Cincinnati	100 per bag SPC 101	107
<b>(5) Environmental Monitoring Equipment</b>			
HNU	Cincinnati	P1101	2
Explosion Meter	Cincinnati	TMX 412	1
SKC Personal Monitor	Cincinnati	SKC 224-30, Continuous	2
Draeger Pump	Cincinnati	Dreger/MSA	2
Sensidyne Pump	Cincinnati	Gastech	3
Coppus Air Blowers	Cincinnati	4"	1
Coppus Air Blowers	Cincinnati	6"	1
Coppus Manway Fan	Cincinnati	21"	3
MSA PID	Cincinnati	Passport	1
MSA LEL - 4 Gas	Cincinnati	Passport	1
Mercury Meter	Cincinnati	Lumex	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Wacker Generator	Cincinnati	GS 5.6	1
185 CFM Air Compressor	Cincinnati	Atlas/Copco	1
<b>(9) Health and Safety Equipment</b>			
MSA HipAir	Cincinnati	15 min. Esc. Cyl./MSA	6
MSA SCBA	Cincinnati	1 hour/4500	6
MSA Cascade System	Cincinnati	Airline Respirator, 50 ft.	6
CSE Safety Harness	Cincinnati	Miller	6
MSA Air Purifying Respirator	Cincinnati	Cartridge	15
CSE Extraction System	Cincinnati	DBI	3
<b>(10) Communications</b>			
2 Way Radios	Cincinnati	Nextel	8
<b>(11) Miscellaneous</b>			
Nilfisk Hepa Vacuum	Cincinnati		2
Mercury Vacuum	Cincinnati	Minute Man	1
Frac Tank	Cincinnati	Portable	4

<b>Emergency Response Subcontractors</b>
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<b>CLEVELAND, OH SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(216) 429-2401</b>
<b>2930 Independence Rd.</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Cleveland, OH 44115</b>	<b>Fax #</b>	<b>(216) 429-2713</b>

Brian Overmyer, General  
Manager

EPA / Federal ID #: OHD000724153

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Overmyer  
Chris Archacki  
Paul DiCarro

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Foreman	5
Equipment Operator	3
Field Technician	3

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
12' Workboat	Cleveland	Starcraft w/5 HP outboard	2
16' Workboat	Cleveland	W/30 HP Outboard	1
22' Workboat (Pointer)	Cleveland	W/110 HP Outboard	1
<b>(2) Motor Vehicles</b>			
Vacuum Trailers	Cleveland	5,000 gallon Stainless Steel	1
Box Trucks	Cleveland	With Lift Gate	1
Emergency Response Trailer	Cleveland		1
Roll Off Chassis	Cleveland		1
Roll Off Boxes	Cleveland		1
Tank Trailers	Cleveland	5,000 gal Rubber Lined	1
Rack Truck	Cleveland	Lift Gate	1
Tank Trailers	Cleveland	5,000 gal Stainless Steel	1
Pick-up/Van/Crew Cab	Cleveland		6
Emergency Response Trailer	Cleveland	20'	1
Emergency Response Trailer	Cleveland	12'	1
Emergency Response Trailer	Cleveland	8'	1
Frac Tank	Cleveland	22,000 gallon	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Cleveland	2500 psi, gasoline powered, portable	2
2" Trash Pump	Cleveland		1
1.5" Double Diaphragm Acid Pump	Cleveland		1
2" Double Diaphragm Pump	Cleveland		2
2" Submersible Pump	Cleveland		2
Centrifugal Pump	Cleveland	2"	1
Chemical Pumps	Cleveland	Double D Poly 1 1/2"	1
Chemical Pumps	Cleveland	Double D Poly 2"	1
Chemical Pumps	Cleveland	Double D Aluminum 2"	2
Chemical Pumps	Cleveland	Double D Carbon St.. 2"	1
Pneumatic Drum Vacuum	Cleveland		2
Electric Drum Vacuum	Cleveland		2

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Oil Containment Boom	Cleveland	18" American Marine	4000'
16' Boom Trailer	Cleveland		2
<b>(5) Environmental Monitoring Equipment</b>			
Jerome Meter	Cleveland		1
4- Gas O2/CO/H2S/LEL	Cleveland	Industrial Scientific	4
Photo Ionization Detector	Cleveland	HNU	2
Detector Tube Pumps	Cleveland	Sensidyne	2
2- Gas O2/LEL	Cleveland	MSA	2
<b>(6) Recovery Equipment</b>			
Mercury Vacuum Cleaner	Cleveland		1
HEPA Filtered Lead Vacuum	Cleveland		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Cleveland	Electric	2
Air Compressor	Cleveland	185 cfm	1
Air Mover	Cleveland	Coppus Manway Fan	1
Air Mover	Cleveland	Coppus Horn	2
<b>(9) Health and Safety Equipment</b>			
S.C.B.A. w/full face respirator.	Cleveland	MSA	8
Hip Airs	Cleveland	MSA	6
S.C.B.A. Air Cylinders	Cleveland	1 Hour/4500	10
S.C.B.A. Air Cylinders	Cleveland	5 Min. escape bottle	6
Level A Suits	Cleveland		4
<b>(10) Communications</b>			
2-Way Radio	Cleveland	Nextel	8
<b>(11) Miscellaneous</b>			
Personal Flotation Devices	Cleveland		9
Anchors	Cleveland		4
Air Hose	Cleveland		400'
Chemical Hose	Cleveland	1 1/2"	150'
Chemical Hose	Cleveland	2"	400'
Chemical Hose	Cleveland	3"	125'
Chemical Hose	Cleveland	4"	60'
Lay flat Discharge Hose	Cleveland		100'
Water blast Hose	Cleveland		300'
Statically Conductive Hose	Cleveland	6"	100'
3" Hard Hose	Cleveland		125'

<b>Emergency Response Subcontractors</b>
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<b>Spill Tech</b>	<b>Contact:</b>	<b>Services Provided:</b>
		Labor
<b>EAP Industrial Services</b>	<b>Contact:</b>	<b>Services Provided:</b>
		Labor
<b>Emerald Environmental</b>	<b>Contact:</b>	<b>Services Provided:</b>

<b>WHEELING, WV SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(724) 444-4244</b>
<b>10 Industrial Park Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Wheeling, WV 26003</b>	<b>Fax #</b>	<b>(724) 444-4240</b>

Brian Overmyer, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Brian Overmyer

\*Satellite to Cleveland office

<b>40-Hour OSHA Trained Personnel:</b>
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N/A – Sales office, all ER handled from Cleveland office

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Jon Boat		PA4761BH 14' 1992 Starcraft Flat bottom	1
<b>(2) Motor Vehicles</b>			
Crew Cab Pickup	Wheeling	Ford F-350 Crew Cab	1
Tractor	Wheeling	1994 Kenworth-Tractor	1
Spill Trailer	Wheeling	8'	1
Spill Trailer	Wheeling	12'	1
<b>(3) Pumps and Pressure Equipment</b>			
185 CFM Air Compressor	Wheeling		1
<b>(4) Oil Spill Containment Booms</b>			
1500' yellow hard boom	Wheeling		1500'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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## GULF COAST REGION SERVICE CENTERS

<b>HOUSTON, TX SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(281) 478-7700</b>
<b>2202 Genoa Red Bluff Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Houston, TX 77034</b>	<b>Fax #</b>	<b>(281) 478-7701</b>

Calvin Lewis, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dave Asher  
 Tammy Brasher  
 Doug Harrell  
 Theresa Posey

Ben Aleman

**40-Hour OSHA Trained Personnel:**

Supervisor	2
Foreman	4
Equipment Operator	5
Field Technician II	4
Field Technician I	10

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Barge Boat w/ Twin 130HP	Houston	30 foot	1
Center Console Work Boat	Houston	20 Foot	1
<b>(2) Motor Vehicles</b>			
Vacuum Trucks	Houston	80 bbls	1
Pick-up Trucks	Houston	Ford F150, F250, F350	9
Roll-Off Truck	Houston	Volvo	1
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Houston	2"	4
Double Diaphragm Pump	Houston	1"	3
Wash Pumps	Houston	2"	3
Hotsy	Houston	3500 psi	2
Hotsy	Houston	5000 psi	1
<b>(4) Oil Spill Containment Booms</b>			
18" Hard Boom	Houston		2500
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Houston	4' Drum Skimmer w/ compressor	1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Compressor	Houston	Gas Powered	1
<b>(9) Health and Safety Equipment</b>			

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(10) Communications</b>			
Nextel	Houston	Phone + 2Way Radios	21
<b>(11) Miscellaneous</b>			
Spill Trailer	Houston	38' Stocked with Absorbents & PPE	1
Spill Trailer	Houston	18'	1
Spill Trailer	Houston	12'	1

<b>Emergency Response Subcontractors</b>
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**Anderson Pollution Control**  
1101-A West Lewis  
Conroe, TX 77301  
936-441-2225  
936-539-2099

**Contact:**  
Tommy Anderson

**Services Provided:**  
ER

<b>PORT ARTHUR, TX SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(409) 796-1388</b>
<b>Highway #73 at Sabine Consolidated Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Port Arthur, TX 77640</b>	<b>Fax #</b>	<b>(409) 796-1133</b>

Eddy Yates, General Manager

EPA / Federal ID #:

TXD981598246

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eddy Yates  
Mark Scroggs  
David McCoy  
Harold Webster

Ryan Kees  
Peri Bryan  
Carla Williams  
Chris Dupuis

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4	Wastewater Treatment Operator	1
Foreman	5	Chemist	2
Equipment Operator	10	Project Manager	3
Field Technician I	16	Site Safety Officer	1
Mechanic	3	Welder	1

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Boats, 18' & under	Port Arthur	16' Jon Boats/Alum 25-horse	7
Boats, 20' & under	Port Arthur	20' Jon Boat/alum 50-horse	1
Boats, 20' & over	Port Arthur	26' Hanko Twin 115-horse	1
Skimmers	Port Arthur	4' Drum /2-2'Drum	3
E.R. Trailers	Port Arthur	32' 5Th Wheel/28' 5Th Wheel	2
<b>(2) Motor Vehicles</b>			
FORD P/U	Port Arthur	F-350 4-DOOR	10
FORD P/U	Port Arthur	F-250 EXT. CAB	4
FORD P/U	Port Arthur	F-150 4 DOOR	2
Tractor	Port Arthur	KW/VOLVO/GM	10
Vacuum Truck, Liquid-80 Bbl	Port Arthur	MACK	12
Airmover/Supersucker/Wet-Dry	Port Arthur	FREIGHT/MACK	2
Roll-Off , Bobtail Truck	Port Arthur	MACK/FREIGHT	7
<b>(3) Pumps and Pressure Equipment</b>			
Double Diaphragm Pump	Port Arthur	3" Versa-matic	2
Trash Pump	Port Arthur	4" Electric Gormon Rupp 14C20-B	1
Submersible Pump	Port Arthur	H&H Pump 2-27X6	1
Hydraulic Power Unit	Port Arthur	John Deere Power Unit	1
Coppus Blower	Port Arthur	Coppus Blower	1
Double Diaphragm Pump	Port Arthur	2" Stainless	1
<b>(4) Oil Spill Containment Booms</b>			
TRAILER AND BOOM	Port Arthur	18"/ with 24 ft cage boom trailer	3800'
<b>(5) Environmental Monitoring Equipment</b>			
N/A			
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Port Arthur	2" Drum Skimmer/W Compressor	1
Drum Skimmer	Port Arthur	3" Drum Skimmer/W Compressor	1
Drum Skimmer	Port Arthur	4' Drum Skimmer/W Compressor	1

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Backhoe	Port Arthur	CASE	1
Bobcat	Port Arthur	BOBCAT	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Port Arthur	9700kw/15000kw	2
<b>(9) Health and Safety Equipment</b>			
Respirator Cartridges	Port Arthur	Assorted Equipment	Assorted
Eye wash	Port Arthur	Portable (Handheld)	Assorted
<b>(10) Communications</b>			
2-Way Radio	Port Arthur	Nextel	27
Cellular Phones	Port Arthur	Cingular	12
<b>(11) Miscellaneous</b>			
Hose	Port Arthur	3" Tank Truck Hose X 25'	3
Hose	Port Arthur	4" Tank Truck Hose X 25'	20
Hose	Port Arthur	1 1/2 " Water Hose X 50'	3
Hose	Port Arthur	3/4" Air Hose X 50'	4

<b>Emergency Response Subcontractors</b>
--

**Miller Environmental**

2208 Industrial Dr.  
Sulfur LA 70665  
337-882-9800

**Contact:**

Matt Dartez

**Services Provided:**

Spill Response

**Dillon Environmental**

P.O. Box 1393  
Ardmore OK. 73402  
580-226-5303

**Contact:**

Scott Dillon

**Services Provided:**

Spill Response

**Anderson**

11011 West Lewis suite A  
Conroe TX. 77301-2219  
281479-5300

**Contact:**

Tommy Anderson

**Services Provided:**

Spill Response

<b>BATON ROUGE, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(225) 778-1234</b>
<b>13351 Scenic Highway</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Baton Rouge, LA 70807</b>	<b>Fax #</b>	<b>(225) 778-3511</b>

Terry Powell, General Manager

EPA / Federal ID #: LAD 010 395 127

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Terry Powell  
Jay LeGlue

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	4
Foreman	3
Field Technician	15
Equipment Operator	5
Mechanic	1

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Power Workboat	Baton Rouge	19' (Fiberglass)	1
Power Workboat	Baton Rouge	24' Boat and Motor	2
Power Workboat	Baton Rouge	16' Boat and Motor	1
Power Workboat	Baton Rouge	24' Cabin boat	1
Power Workboat	Baton Rouge	26' Hanko	1
Power Workboat	Baton Rouge	26' Barge Boat	1
Power Workboat	Baton Rouge	30' Marko	1
Power Workboat	Baton Rouge	14/16' John Boat	11
Power Workboat	Baton Rouge	15 Hp Yamaha Motor	10
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Baton Rouge	130bbl	1
Vacuum Truck	Baton Rouge	70bbl ( High Vac Air Mover)	1
Vacuum Truck	Baton Rouge	70bbl (High Vac Liquid Ring)	1
Vacuum Truck	Baton Rouge	70bbl (Standard)	2
Roll-Off Truck	Baton Rouge	Single rail /Tractor-trailer	1
Pickup Truck	Baton Rouge	Single Cab (F-250)	1
Pickup Truck	Baton Rouge	Super Duty (F-550)	1
Pickup Truck	Baton Rouge	Boom Truck (F-350)	1
Four Wheeler	Baton Rouge	All Terrain	5
Box Van	Baton Rouge	42' Box Van (Boom Storage)	1
Box Van	Baton Rouge	42' Box Van (Command Center)	1
Gooseneck Trailer	Baton Rouge	30' Flat bed	2
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Baton Rouge	6500psi Mounted	1
Hydro Blaster	Baton Rouge	10,000 psi Mounted	1
Diaphragm Pump	Baton Rouge	(3") Steel	5
Diaphragm Pump	Baton Rouge	(2") Steel	3
Trash Pump	Baton Rouge	Trash Pumps	17
Hoses	Baton Rouge	(3") Hoses (Tank Truck)	300'
Hoses	Baton Rouge	(2") Hoses (Tank Truck)	100'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Baton Rouge	18' Caged Boom Trailer	3
Boom	Baton Rouge	Boom (18", 12" Skirt, 6" Fr)	7500'
Boom Trailer	Baton Rouge	Caged Boom Trailer	1
<b>(5) Environmental Monitoring Equipment</b>			
5 Gas Meter	Baton Rouge		2
<b>(6) Recovery Equipment</b>			
Drum Skimmer	Baton Rouge	2' Drum Skimmer w/ Compressor	2
Drum Skimmer	Baton Rouge	3' Drum Skimmer w/ Compressor	1
Drum Skimmer	Baton Rouge	4' Drum Skimmer w/Compressor	1
Rope Skimmer	Baton Rouge	Rope Skimmers	2
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Bobcat	Baton Rouge		2
<b>(8) Generators / Compressors / Light Towers</b>			
Generators	Baton Rouge	5000 Watt	1
Light Plant	Baton Rouge		1
Compressors	Baton Rouge		2
Air Hose	Baton Rouge	3/4" by 50' Air Hose	750'
<b>(9) Health and Safety Equipment</b>			
Confined Space Entry Gear	Baton Rouge	Complete Set	2
<b>(10) Communications</b>			
2-Way Radio	Baton Rouge	Nextel	15
<b>(11) Miscellaneous</b>			
Spill Trailer	Baton Rouge	34' Haz Mat Response Trailer	1
Spill Trailer	Baton Rouge	34' Haz Mat Response Trailer	2
Utility Trailer	Baton Rouge	16' Utility Trailer	2

<b>Emergency Response Subcontractors</b>
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**Industrial Cleanup Inc.**

Address 1  
Garyville, LA  
(985) 535-3174  
Fax / Other #

**Contact:**

Ray Derkson

**Services Provided:****ES&H**

Address 1  
Houma, LA  
(985) 851-5350

**Contact:**

Tray Boucvalt

**Services Provided:**

<b>SULPHUR, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(337) 882-1025</b>
<b>3201 Petro Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sulphur, LA 70665</b>	<b>Fax #</b>	<b>(337) 882-1029</b>

Eddy Yates, General Manager  
Wilmer Johnson, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Eddy Yates  
Wilmer Johnson  
Mark Scroggs  
David McCoy

Virgil Blanchard  
\*Satellite to Port Arthur Office

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	1
Foreman / Equipment Operator	1

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Power workboat	Sulphur	22' Custom Flat w/ 150HP	1
<b>(2) Motor Vehicles</b>			
Pickup	Sulphur	Ford F150, F250	3
Spill Trailer	Lake Charles	34' Haz Mat Response Trailer	1
Spill Trailer	Lake Charles	34' Haz Mat Response Trailer	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Sulphur	2"	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Sulphur	18' Caged Boom Trailer	3
Boom	Sulphur	Boom	2400'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Sulphur	<10KW	1
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			
Roll-off Container	Sulphur	25 yard	2

<b>NEW ORLEANS, LA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(225) 778-1234</b>
<b>13351 Scenic Highway</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Baton Rouge, LA 70807</b>	<b>Fax #</b>	<b>(225) 778-3511</b>

Carroll Arceneaux, Operations Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Carroll Arceneaux  
Terry Powell  
Jay LeGlue

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor / Equipment Operator 1

\*Satellite to Baton Rouge Office, currently waiting on new equipment

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Pickup Truck	New Orleans		1
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
Two-way Radio	New Orleans	Nextel	1
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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See Baton Rouge Sheet

Contact:

Services Provided:

## WEST REGION SERVICE CENTERS

<b>SAN JOSE, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(408) 451-5000</b>
<b>1040 Commercial Street - Suite 109</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>San Jose, CA 95112</b>	<b>Fax #</b>	<b>(408) 451-5143</b>

Lee Barfield, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Lee Barfield  
M ke Piercey  
Jim Millick  
Pattie Lovell

Nick Jasmin

**40-Hour OSHA Trained Personnel:**

Supervisor	4
Foreman	3
Equipment Operator	3
Field Technician I	12

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
30' Aluminum Boat	San Jose	Twin 225 HP outboard	1
36" SKIMMER	San Jose	CRUCIAL	1
15' Aluminum Boat	San Jose	25 HP outboard	1
<b>(2) Motor Vehicles</b>			
Pick-up Trucks	San Jose	Ford F350, DSL	5
Pick-up Trucks	San Jose	Ford F250, DSL	1
Cusco	San Jose	3000 G STRAIGHT VAC. , DSL	1
Cusco	San Jose	3200 G VAC. & BLOWER, DSL	1
STAKE BED	San Jose	Ford, DSL	1
BOX TRUCK	San Jose	Ford F350,Gas	1
ROLL OFF STRAIGHT TRUCK	San Jose		1
ROLL OFF TRAILER	San Jose		1
<b>(3) Pumps and Pressure Equipment</b>			
HEATED PRESSURE WASHER	San Jose	SHARK, HONDA 11	1
HEATED PRESSURE WASHER	San Jose	I.C.I., HONDA 13	3
PRESSURE WASHER	San Jose	RYOBI, SUBARU 7.0	3
PRESSURE WASHER	San Jose	EXCELL, HONDA 5.0	1
PRESSURE WASHER	San Jose	LANDA, HONDA 11.0	1
3" TRASH PUMP	San Jose	MMB, HONDA 5.5	1
2" TRASH PUMP	San Jose	HONDA, HONDA4.0	1
2" TRASH PUMP	San Jose	HONDA, HONDA 5.5	2
2" TRASH PUMP	San Jose	HONDA, HONDA4.0	1
CSE BLOWER	San Jose	BRIGG & STRATTON, 3.5 HP	2
AIR COMPRESSOR	San Jose	RIGID, HONDA 5.5	2
CSE BLOWER	San Jose	AIR SYSTEMS	1
<b>(4) Oil Spill Containment Booms</b>			
BOOM TRAILER	San Jose	BIG TEX	
8" x 50'	San Jose		40
8" x 100'	San Jose		60

Equipment List Cont.			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(5) Environmental Monitoring Equipment</b>			
ARIZONA INSTRUMENTS	San Jose	JEROME	
GASTECH	San Jose	4 GAS	
DRAGGER/ DETECTOR TUBES	San Jose		
DRAGGER/ DETECTOR TUBES	San Jose		
MATHESON/8014-400A	San Jose		
MSA	San Jose	4 GAS	
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
GENERATOR	San Jose	POWERMATE, 6.0HP GAS	1
Compressor	San Jose		
Light Tower	San Jose		
<b>(9) Health and Safety Equipment</b>			
MSA/ ULTRALITE	San Jose		6
DRAGGER / HIP AIR	San Jose		6
MSA / 5-447-1	San Jose		6
<b>(10) Communications</b>			
2 Way Radio / Cell Phone	San Jose	Nextel	12
Motorola Ht1250 radio	San Jose	Motorola	2
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>Hertz</b>	<b>Contact:</b>	<b>Services Provided:</b>
San Jose, CA 408-297-4441		Equipment Rental
<b>Delta laboratories</b>	<b>Contact:</b>	<b>Services Provided:</b>
Benicia, CA 707-747-6081		Environmental Laboratories
<b>Subcontractor Name Lutrel Trucking</b>	<b>Contact:</b>	<b>Services Provided:</b>
6315 Snow Rd Bakersfield, CA 93308 661-399-0246		Transporters
<b>Universal Envirn</b>	<b>Contact:</b>	<b>Services Provided:</b>
4101 Industrial way Benicia, CA 94510		

<b>LOS ANGELES, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(310) 764-5851</b>
<b>2500 East Victoria Street</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Compton, CA 90220</b>	<b>Fax #</b>	<b>(310) 764-5863</b>

Mike Delatorre, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mike Delatorre  
 Bob Seitz  
 Rafael Villalobos  
 Will Canto

**40-Hour OSHA Trained Personnel:**

Supervisor	4	Field Technician I	8
Foreman	4		
Equipment Operator	6		
Field Technician III	2		
Field Technician II	1		

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
E.R. Spill Trailer	Los Angeles	Wells Cargo	1
Boat	Los Angeles	Flat Bottom Boat	1
Boat	Los Angeles	John Boat	1
Boat	Los Angeles	John Boat	1
<b>(2) Motor Vehicles</b>			
Vac Trailer	Los Angeles	Certified	1
Vac Trailer	Los Angeles	Keith Huber Vac	1
Roll-Off-Frame	Los Angeles	Bobco	1
Roll-Off-Trailer	Los Angeles	Bobco	1
Equipment Trailer	Los Angeles	Zieman	1
Straight Vacuum Truck	Los Angeles	International	1
Cusco	Los Angeles	Kenworth	1
Tractor	Los Angeles	Volvo	1
Tractor	Los Angeles	Freightliner	3
Rack Truck	Los Angeles	Ford	1
ERV	Los Angeles	GMC	1
Box Truck	Los Angeles	Ford	1
Pickup Truck	Los Angeles	Ford F-350 / F-250	10
Pickup Truck	Los Angeles	Ford F-550	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Los Angeles	American	2
Portable Pressure Washer	Los Angeles	Hydro Tek	2
Pressure Washer	Los Angeles	Propane	1
Double "D" Chemical Pump	Los Angeles	Weldon	1
Trash pump	Los Angeles	Honda	3
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer	Los Angeles	Zieman	1
4500' of Hard Boom	Los Angeles	American Marine	4500'

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(5) Environmental Monitoring Equipment</b>			
HNU		12.2eV PID	3
Drager CMS Unit	Los Angeles	Chip Reader	1
Bacharach Mercury Meter	Los Angeles	MV-2 Vapor Meter	1
Ludlum Radiation Detector	Los Angeles	Model 3	2
MSA Sirius PID Meter	Los Angeles	5-Gas Meter	3
GASTEC	Los Angeles	GV-100	3
Dexsil PetroFLAG	Los Angeles	Petroleum Hydrocarbon	1
Chlor-N-Soil 50 Test Kits	Los Angeles	PCB Soil	2
<b>(6) Recovery Equipment</b>			
Skimmer	Los Angeles	Crucial	2
Mercury Vacuum	Los Angeles	Nikro	2
Hepa Vacuum	Los Angeles	Pullman Holt	4
Wet & Dry Vacuum	Los Angeles	Dayton	4
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Skid Steer	Los Angeles	CAT	1
<b>(8) Generators / Compressors / Light Towers</b>			
Tow Behind Compressor	Los Angeles	Ingersoll Rand	3
Portable Compressor	Los Angeles	Rigid	2
Tow Behind Light Tower / Generator	Los Angeles		3
Portable Generator	Los Angeles	Briggs & Stratton	2
<b>(9) Health and Safety Equipment</b>			
SCBA	Los Angeles	MSA / Drager	11
Supplied Air Systems	Los Angeles	MSA / Drager	15
Mechanical Extraction Device	Los Angeles		4
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>WEST SACRAMENTO, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(916) 375-2611</b>
<b>3201 Evergreen Ave Suite 360</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>West Sacramento, CA 95691</b>	<b>Fax #</b>	<b>(916) 373-0649</b>

Kevin Carnahan, General Manager

EPA / Federal ID #:

N/A

**Personnel Authorized to release equipment / materials / manpower, etc:**

Kevin Carnahan  
Jason Meehan  
Ty Reguera

**40-Hour OSHA Trained Personnel:**

Supervisor	3
Foreman	2
Field Technician I	8
Field Technician II	2
Equipment Operator	3

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
E.R. Spill Trailer	Sacramento	Wells Cargo	1
Boat	Sacramento	Flat Bottom	1
<b>(2) Motor Vehicles</b>			
Skid Mount Vacuum	Sacramento	Bobco	1
Cusco	Sacramento	Peterbuilt	1
Guzzler	Sacramento		1
Vacuum Trailer	Sacramento	5000 Gal	1
Tractor	Sacramento	Freightliner	1
Rack Truck	Sacramento	5556	1
Pickup Truck	Sacramento	F-350	5
<b>(3) Pumps and Pressure Equipment</b>			
Tow Behind Hotsy	Sacramento	All American	1
Portable Hotsy	Sacramento	All American	1
Double Diaphragm Chemical Pump	Sacramento	2" Pneumatic	2
Double Diaphragm Pump	Sacramento	2" Pneumatic	1
Double Diaphragm Pump	Sacramento	1" Pneumatic	1
Trash Pump	Sacramento	2"	1
<b>(4) Oil Spill Containment Booms</b>			
Boom Trailer w/ 2500' 18" Boom	Sacramento		2500'
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
HEPA Vacuum	Sacramento	Pullman Holt	1
Mercury Vacuum	Sacramento		3
Wet / Dry Vac	Sacramento		3
55 Gal Drum Vac	Sacramento		1
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(8) Generators / Compressors / Light Towers</b>			
Tow Behind Compressor	Sacramento	Ingersoll Rand	1
Tow Behind Light Tower / Generator	Sacramento	Coleman	1
Portable Generator	Sacramento		3
<b>(9) Health and Safety Equipment</b>			
SCBA	Sacramento	Air System	1
Breathing Air Bottles	Sacramento		2
Mechanical Extraction Device	Sacramento		1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>SAN DIEGO, CA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(858) 547-3100</b>
<b>9369 Dowdy Drive, Suite H</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>San Diego, CA 92126</b>	<b>Fax #</b>	<b>(858) 547-3146</b>

Dean Matsuoka, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Dean Matsuoka  
Brent Trimmer  
Paul Bratti

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	2
Foreman	1
Equipment Operator	1
Field Technician	3

Equipment List	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	San Diego	16' Alweld w/ 25 HP	1
Power Workboat	San Diego	Hanko	1
<b>(2) Motor Vehicles</b>			
High Powered Vacuum Truck / Cusco	San Diego	Freightliner	1
Rack Truck	San Diego	Ford	1
Pickup Truck	San Diego	F-250	3
<b>(3) Pumps and Pressure Equipment</b>			
Hotsy Pressure Washer	San Diego	Hotsy	1
Trash Pump	San Diego	2"	1
Trash Pump	San Diego	3"	1
Double Diaphragm Pump	San Diego	3"	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
5-Gas Meter	San Diego		1
Automated Calibration System	San Diego	MSA Galaxy Automated Test System	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	San Diego		1
<b>(9) Health and Safety Equipment</b>			
SCBA	San Diego	MSA	4
Breathing Air Bottle	San Diego	MSA	4
Mechanical Extraction Device	San Diego	DBI / SALA	1
<b>(11) Miscellaneous</b>			
Boom Trailer	San Diego	Carson	1
Explosion Proof Blower	San Diego		1

<b>SPARKS, NV SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(775) 331-9400</b>
<b>1200 Marietta Way</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Sparks, NV 89431</b>	<b>Fax #</b>	<b>(775) 331-9403</b>

Matthew Jung, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Matthew Jung  
Leif Hammond  
Paul Bratti  
Kevin Carnahan

David Walizer

\*Satellite to San Jose Office

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Field Technician	4
Equipment Operator	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
Jon Boat w/ Motor	Sparks	16' Alweld w/ 25 HP	1
<b>(2) Motor Vehicles</b>			
Vacuum Truck	Sparks	3000 Gal	1
Gap Vac	Sparks	Volvo	1
Rack Truck	Sparks	Ford	1
Pickup Truck	Sparks	F-250	3
ER Trailer	Sparks	Haulmark	1
<b>(3) Pumps and Pressure Equipment</b>			
Pressure Washer	Sparks	Alkota Hotsy	1
Trash Pump	Sparks	2"	1
Trash Pump	Sparks	3"	1
Pneumatic Double Diaphragm Pump	Sparks	2"	2
<b>(4) Oil Spill Containment Booms</b>			
10" Containment Boom	Sparks	10" Hard boom	100'
<b>(5) Environmental Monitoring Equipment</b>			
5-Gas Meter	Sparks	MSA Sirius	1
Automated Calibration Station	Sparks	MSA Galaxy Automated Test System	1
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
Air Compressor	Sparks		1
Generator	Sparks	3000 Watt	1
<b>(9) Health and Safety Equipment</b>			
Explosion Proof Blower	Sparks	MSA	1
SCBA	Sparks	MSA	4
Breathing Air Bottles	Sparks	MSA	4
Mechanical Extraction Device	Sparks	DBI / SALA	1

## CANADIAN SERVICE CENTERS

<b>MISSISSAUGA, ONTARIO SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(905) 822-3951</b>
<b>551 Avonhead Road</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Mississauga, ON L5J 4B1</b>	<b>Fax #</b>	<b>(905) 822-1121</b>

Bill Elliot, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Bill Elliott  
Paul Casey

<b>40-Hour OSHA Trained Personnel:</b>
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Technician Drivers	2
Equipment Operator	12
Mechanic	1

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Tractor	Mississauga	Ryder	10
Vacuum Truck	Mississauga	3900	2
Vacuum Truck	Mississauga	3200	1
Drum Truck	Mississauga	16 drums	1
Lugger Truck	Mississauga		1
Transporter	Mississauga	8000 Gal	1
Transporter	Mississauga	5500 Gal	1
Transporter	Mississauga	6000 Gal	1
Van Trailer	Mississauga	88 Drum	9
Van Trailer	Mississauga	88 Drum, with liftgate	2
Van Trailer	Mississauga	92 Drum	19
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			
Roll-off Container	Mississauga	40 Yard	1

<b>BURLINGTON, ONTARIO SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(905) 332-1111</b>
<b>1790 Ironstone Drive</b>		
<b>Burlington, ON L7L 5V3</b>	<b>Fax #</b>	

Brett Herman, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
---

Brett Herman  
 Mike Fellner  
 Dave Robillard

Roger Ries  
 Cassandra Hopkins

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	3
Foreman	4
Equipment Operator	8
Field Technician	4

<b>(1) Marine Support Equipment</b>			
12' Aluminium	Guelph		1
<b>(2) Motor Vehicles</b>			
Vacuum S.J. Truck	Guelph	Cusco - 3,000 gal. (1400CFM)	1
Vacuum S.J. Truck (SS)	Guelph	4,000 gal.	1
Vacuum Trailers (L Class only)	Guelph	5,000 gal	1
Turbo Vacuum Trailer (Wet/Dry)	Guelph	Cusco - 5,500 gal	1
Turbo Vacuum Trailer (Wet)	Guelph	Cusco - 4,000 gal	1
Turbo Vacuum Loader (SS, Wet/Dry)	Guelph	Cusco - 3,000 gal	1
Shell Tanker (SS)	Guelph	5,000 gal	1
Tractor with Sleeper	Guelph	Tractors	7
Roll Off Truck	Guelph	Strait Job	1
Pick-Up Trucks	Guelph	Ford F350	4
Drop Deck Trailer	Guelph	Flatbed Trailers	2
Detachable Low Bed Trailer	Guelph	Equipment Float	1
Van Trailers	Guelph	Van Trailers	2
Dump Trailers	Guelph	Dump Trailer	1
Hotsy on Trailer	Guelph	3,500 PSI	1
High Pressure Water Blaster	Guelph	10,000 PSI	1
<b>(3) Pumps and Pressure Equipment</b>			
Trash Pump	Guelph	Gas Powered 2"	1
Trash Pump	Guelph	Gas Powered 3"	1
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
Gastec Pump	Guelph	Sample Pump	1
MSA Gas Indicator	Guelph	Sirius with PID	2
BW Alert Badges	Guelph	H2S Badges	4

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(6) Recovery Equipment</b>			
Portable Tanks	Guelph	500 gallon Poly	2
Surge Tanks	Guelph	12,000 gallon	1
Cement Tanks	Guelph	8000 gallon	2
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
Excavator	Guelph	Kobelco	1
Excavator	Guelph	Komatsu PC-60	1
Bobcat	Guelph	Case 1845C , Skidsteer	1
<b>(8) Generators / Compressors / Light Towers</b>			
Generator	Guelph	600/220/110V, watt	1
<b>(9) Health and Safety Equipment</b>			
Confined Space Retrievals	Guelph	DBI/SALA Tripod	1
Vacuum Breakers	Guelph	6" Bush Hog Vacuum Breakers	5
<b>(10) Communications</b>			
2-Way Radio	Guelph	Nextel	16
<b>(11) Miscellaneous</b>			
6" Hard Pipe	Guelph	6" Bush Hog Hard Pipe	600'

<b>DARTMOUTH, NOVA SCOTIA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(902) 481-0842</b>
<b>110 Thornhill Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Dartmouth, NS B3B 1S7</b>	<b>Fax #</b>	<b>(902) 481-0873</b>

Greg Maynard, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Greg Maynard

\*New office, sheet to be updated ASAP

<b>40-Hour OSHA Trained Personnel:</b>
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Supervisor	2
Foreman	1
Equipment Operator	2
Field Technician	1

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>Item Description</b>			
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
<b>(3) Pumps and Pressure Equipment</b>			
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
<b>(6) Recovery Equipment</b>			
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

<b>Emergency Response Subcontractors</b>
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<b>WINNIPEG, MANITOBA SERVICE CENTER</b>	<b>24 Hr. #</b>	<b>(204) 231-9448</b>
<b>45 Terracon Place</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Winnipeg, MB R2J 4B3</b>	<b>Fax #</b>	<b>(204) 233-4177</b>

Alfio Corvino, General Manager

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Alfio Corvino

<b>40-Hour OSHA Trained Personnel:</b>
--

Supervisor	1
Foreman	1
Equipment Operator	2
Field Technician	2

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Marine Support Equipment</b>			
<b>(2) Motor Vehicles</b>			
Vacuum Straight Truck	Winnipeg	10,000L	1
High Powered Vacuum	Winnipeg	Cusco – 8,000L	1
Pick-Up Trucks	Winnipeg	Ford	1
Hotsy on Trailer	Winnipeg	2,500 PSI	1
Wet/Dry Vac	Winnipeg	5700 CFM	1
<b>(3) Pumps and Pressure Equipment</b>			
Diaphragm Pump	Winnipeg	2"	1
Diaphragm Pump	Winnipeg	3"	2
<b>(4) Oil Spill Containment Booms</b>			
<b>(5) Environmental Monitoring Equipment</b>			
5 Gas PID	Winnipeg		1
<b>(6) Recovery Equipment</b>			
Open top drums	Winnipeg	205 L	20
Absorbion Pads	Winnipeg		20
<b>(7) Beach or Earth Cleaning and Excavating Equipment</b>			
<b>(8) Generators / Compressors / Light Towers</b>			
<b>(9) Health and Safety Equipment</b>			
Meter	Winnipeg	Gastech	1
Confined Space Entry Gear	Winnipeg		1
<b>(10) Communications</b>			
<b>(11) Miscellaneous</b>			

**Emergency Response Subcontractors****Ken Palson Trucking**

2315 Dugald Road

Winnipeg, MB R2C 5L4

(204) 663-9008

(204) 663-8061 (Fax)

**Contact:****Services Provided:**Backhoes, Loaders,  
Trucks**MEP Environmental**

68 Paramount Road

Winnipeg, MB R2X 2W3

(204) 632-4118

(204) 632-5809 (Fax)

**Contact:****Services Provided:**24 Hour Emergency  
Response Supplies  
Boom, Pads, Etc.

## FACILITIES

### NORTHEAST REGION FACILITIES

<b>SOUTH PORTLAND, ME FACILITY</b>	<b>Main Phone #</b>	<b>(207) 772-2201</b>
<b>37 Rumery Road</b>		
<b>South Portland, ME 04106</b>	<b>Fax #</b>	<b>(207) 772-2485</b>

**EPA/Federal ID #:** MED980672182

**State ID# (If applicable):** N/A

Nick Keen, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Nick Keen  
Scott Day

**Type of Facility:**

Transfer, Treatment, and Storage Facility

**Wastes Handled:**

Fuel Oils  
Lubrication Oils  
Waste Water

**Waste Storage / Fixed Tank Capacity:**

168,000 gallons  
2-Fixed Facility Tanks 30,000 gallons each  
2-Fixed Facility Tanks 24,000 gallons each  
3-Fixed Facility Tanks 20,000 gallons each  
Processing Capacity: 50,000 gallons/day

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>BRAINTREE, MA FACILITY</b>	<b>Main Phone #</b>	<b>(781) 849-1807</b>
1 Hill Ave.		
Braintree, MA 02184	<b>Fax #</b>	<b>(781) 848-9629</b>

**EPA/Federal ID #:** MAD05342637  
**State ID# (If applicable):** N/A

John J. Ross, Jr., General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

John J. Ross, Jr.	John Mattson
David Medina	Rich Harrington

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Bulk/Drums via Trucks  
 Solvents and oils  
 Organic and Inorganic Solutions  
 PCB material  
 Pathological waste

**Waste Storage / Fixed Tank Capacity:**

185,000 Gallons

Equipment List	Location	Capacity / Size / Model	# of Units
Item Description			

<b>MURPHY'S OIL FACILITY</b>	<b>Main Phone #</b>	<b>(781) 935-9066</b>
<b>252 Salem Street</b>		
<b>Woburn, MA 01801</b>	<b>Fax #</b>	<b>(781) 935-8615</b>

**EPA/Federal ID #:** MAD066588005  
**State ID# (If applicable):** N/A

Scott Day, General Manager of Oil Companies

**Personnel Authorized to release equipment / materials / manpower, etc:**

Scott Day  
Chris Moran

Steve Cadigan

**Type of Facility:**

Transfer, Storage, and Transportation Facility

**Wastes Handled:**

Bulk via Truck  
Waste Oils and Fuel Oils

**Waste Storage / Fixed Tank Capacity:**

(5) 10,000 Gal Tanks  
(2) 20,000 Gal Tank  
(1) 30,000 Gal Tank

Processing Capacity: 40,000 gallons/day

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Motor Vehicles</b>			
Waste Oil Pump Truck	Woburn, MA	6500 gal Brenner	1
Waste Oil Pump Truck	Woburn, MA	7000 gal Bar-Bell	1
Waste Oil Pump Truck	Woburn, MA	2200 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Woburn, MA	4000 gal Ford / Straight Job/100 gpm	5
Waste Oil Pump Truck	Albany, NY	4500 gal Ford / Straight Job/100 gpm	2
Box Truck	Woburn, MA	40 Drum capacity / Ford	1
Waste Oil Pump Truck	Woburn, MA	4000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Braintree, MA	6500 gal Brenner	1
Waste Oil Pump Truck	Bristol, CT	7000 gal Bar-Bell	1
Waste Oil Pump Truck	Deptford, NJ	4000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Deptford, NJ	4500 gal Ford/ Straight Job/100 gpm	1
Waste Oil Pump Truck	Edison, NJ	4000 gal Ford / Straight Job/100 gpm	1
Transporter	Woburn, MA	10000 gal Beal w/ Tractor	3
Transporter	Portland, ME	10000 gal Heil w/ Tractor	2
Waste Oil Pump Truck	Cleveland, OH	4000 gal Ford / Straight Job/100 gpm	2
Waste Oil Pump Truck	Chicago, IL	4500 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Cleveland, OH	2800 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Cleveland, OH	4500 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Portland, ME	6000 gal Ford / Straight Job/100 gpm	1
Waste Oil Pump Truck	Portland, ME	7000 gal Fruehauf w/Kenworth Tractor	1
Transporter	Portland, ME	7000 gal Fruehauf (#281,282,283)	2
Transporter	Cleveland, OH	7000 gal Fruehauf (#281,282,283)	1

<b>BRISTOL, CT FACILITY</b>	<b>Main Phone #</b>	<b>(860) 583-8917</b>
<b>51 Broderick Road</b>		
<b>Bristol, CT 06010</b>	<b>Fax #</b>	<b>(860) 583-3696</b>

**EPA/Federal ID #:** CTD000604488

**State ID# (If applicable):** N/A

Cameron McElroy, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Cameron McElroy  
Richard Brpohy

**Type of Facility:**

Waste Treatment, Storage, and Disposal Facility

**Wastes Handled:**

Liquids, Solids, and Sludges  
Almost all RCRA Waste Codes are accepted.  
Waste can be in drums, roll offs, or tanker trucks

**Waste Storage / Fixed Tank Capacity:**

103,000 Gallons

Processing Capacity:  
50,000 gallons/day wastewater treatment  
300 cubic yards/day solidification/stabilization

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**MID-ATLANTIC REGION FACILITIES**

<b>BALTIMORE, MD FACILITY</b>	<b>Main Phone #</b>	<b>(410) 244-8200</b>
<b>1910 Russell Street</b>		
<b>Baltimore, MD 21230</b>	<b>Fax #</b>	<b>(410) 685-3061</b>

**EPA/Federal ID #:** MDD980555189  
**State ID# (If applicable):** N/A

Ed Romeo, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Ed Romeo  
Tim McCarthy

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
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Bucket/Drums via Truck and Rail  
Aqueous Organic  
Inorganic waste

<b>Waste Storage / Fixed Tank Capacity:</b>
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Fixed - 1,411,771 gallons  
Containerized - 1144 Drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LAUREL, MD FACILITY</b> 3527 Whiskey Bottom Road Laurel, MD 20724	<b>Main Phone #</b> (301) 939-6000  <b>Fax #</b> (301) 939-6066
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**EPA/Federal ID #:** MDD 980 554 653

**State ID# (If applicable):** N/A

Brinton Hoover, Plant Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Brinton Hoover

<b>Type of Facility:</b>
--------------------------

Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
------------------------

Liquids  
 Solids  
 Sludges  
 Almost all RCRA waste codes are accepted

<b>Waste Storage / Fixed Tank Capacity:</b>
---

Drums, Roll-off and portable tank capabilities

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units

<b>REIDSVILLE, NC FACILITY</b>	<b>Main Phone #</b>	<b>(336) 342-6106</b>
<b>208 Watlington Industrial Drive</b>		
<b>Reidsville, NC 27320</b>	<b>Fax #</b>	<b>(336) 361-6130</b>

**EPA/Federal ID #:** NCD 000 648 451

**State ID# (If applicable):** N/A

Keith Anderson, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Keith Anderson  
Jamie Cox

Mark Berkhead  
Doug Greer

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquids, Solids, and Sludges

Liquids Bulking (drums to tankers)

Solids Consolidation (drums to rolloffs)

Labpack processing facility

Almost all RCRA Waste Codes are accepted

TSCA waste accepted.

Waste can be in drums, roll offs, tanker trucks

Non-Haz Shredding

Flammable Liquids to Rail Tanks

**Waste Storage / Fixed Tank Capacity:**

65,000 sq. ft. warehouse

34 dock bays permitted as RCRA storage units. Waste can be stored in rolloffs, tankers, and vans.

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

## SOUTHEAST REGION FACILITIES

<b>BARTOW, FL FACILITY</b>	<b>Main Phone #</b>	<b>(863) 533-6111</b>
<b>170 Bartow Municipal Airport</b>		
<b>Bartow, FL 33830</b>	<b>Fax #</b>	<b>(863) 519-6363</b>

**EPA/Federal ID #:** FLD 980 729 610  
**State ID# (If applicable):** N/A

John Bosek, General Manager

### Personnel Authorized to release equipment / materials / manpower, etc:

John Bosek  
James McDuffie

### Type of Facility:

Treatment, Storage, Transfer, Fuels Blending, and Recycling Facility

### Wastes Handled:

Liquids, Solids, Sludges, and Lab Pack Materials.  
 Almost all RCRA Waste Codes are acceptable by permit  
 Waste may be received in drums, totes, flex bins, roll-off boxes or tanker trucks

### Waste Storage / Fixed Tank Capacity:

(12) Hazardous Waste Storage Tanks – 72,600 gallons total capacity (48,600 gallons usable storage)  
 (2) Non-Haz Wastewater Tanks – 11,600  
 (1) Storage Tank – 548 gallons (Off-road diesel only)

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units



<b>GREENBRIAR, TN FACILITY</b>	<b>Main Phone #</b>	<b>(615) 643-3170</b>
<b>2815 Old Greenbrier Pike</b>		
<b>Greenbrier, TN 37073</b>	<b>Fax #</b>	<b>(615) 643-6370</b>

**EPA/Federal ID #:** TND000645770

**State ID# (If applicable):** N/A

Bruce Morgan, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Bruce Morgan  
Patrick Storey

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility  
Currently Operated as a Truck to Terminal (TTT) Facility

**Wastes Handled:**

Permitted for all RCRA waste codes except K142-K145 and K147-K151  
Mercury, Fuel, Lean Water, etc.  
consolidation  
Liquids, Solids, and Sludges  
Waste can be in drums, roll offs, tanker trucks

**Waste Storage / Fixed Tank Capacity:**

RCRA Storage Capacity: 200,000 gallons (3,636 55-gallon drum equivalents)  
PCB Storage Capacity: 13,750 gallons (250 55-gallon drum equivalents)  
Unlimited Non Hazardous Capacity

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**MID-WEST REGION FACILITIES**

<b>ASHTABULA, OH FACILITY</b>	<b>Main Phone #</b>	<b>(440) 992-8665</b>
<b>1302 West 38th Street</b>		
<b>Ashtabula, OH 44004</b>	<b>Fax #</b>	<b>(440) 992-2749</b>

**EPA/Federal ID #:** OHD 981 093 420  
**State ID# (If applicable):** N/A

Kevin Gozzard, Plant Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Kevin Gozzard

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
------------------------

TSCA ONLY  
PCB Materials  
PCB Electrical Equipment  
Decontamination  
PCB Cable Decontamination  
Gas Meter Decontamination  
All metals recycled

<b>Waste Storage / Fixed Tank Capacity:</b>
---

17,000 gallon PCB Storage tank

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>CLEVELAND FACILITY</b> 2900 Rockefeller Avenue Cleveland, OH 44115	<b>Main Phone #</b> (216) 429-2402
	<b>Fax #</b> (216) 883-1918

**EPA/Federal ID #:** OHD000724153

**State ID# (If applicable):** N/A

Michael Petkovich, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Albert Benavides  
Dominic Okon

**Type of Facility:**

Waste Storage, Treatment, and Recycling Facility

**Wastes Handled:**

Aqueous & Sludge Organic and Inorganic Waste - Characteristic Hazardous & Non-Hazardous  
Listed Wastewaters (by contact only)  
Non-Hazardous Solids

**Waste Storage / Fixed Tank Capacity:**

**Fixed Product Storage Capacity:**

Tank A	8000 gallons	50% Sodium Hydroxide
Tank B	8000 gallons	Spent Caustic for Reuse
Peroxide Tank	4100 gallons	50% Hydrogen Peroxide
Tank 8	12000 gallons	Aluminum Sulfate Solution
Tank 9	12000 gallons	Virgin & Spent Ferric Chloride for Reuse

**Fixed Process Capacity:**

Tank 1	200000 gallons	Final Treated Effluent for Discharge
Tank 2	200000 gallons	Untreated or Pretreated Process Water
Tank 3	200000 gallons	Untreated or Pretreated Process Water
Tank 5	40000 gallons	Final Treated Water for Discharge
Tank 6	40000 gallons	Untreated or Pretreated Sludge
Tank 7	40000 gallons	Untreated or Pretreated Sludge
Tank C	8000 gallons	Waste Oil & Water Process
Reactor 1 8000 gallons	Pretreatment Vessel	
Reactor 2 8000 gallons	Pretreatment Vessel	
AR12	8000 gallons	Sludge Conditioning Tank
AR34	8000 gallons	Sludge Conditioning Tank

**90-day storage area:**

Room for 1-20 yard rolloff box or up to 60 55-gallon drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>CINCINNATI, OH (SPRING GROVE) FACILITY</b>	<b>Main Phone #</b>	<b>(513) 681-6242</b>
<b>4879 Spring Grove Avenue</b>		
<b>Cincinnati, OH 45232</b>	<b>Fax #</b>	<b>(513) 681-6246</b>

**EPA/Federal ID #:** OHD000816629

**State ID# (If applicable):** N/A

Andrew Hudson, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Andrew Hudson

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

- Bulk/Drums via Trucks
- PCB Materials
- RCRA/TSCA Wastes
- Listed Wastewater (F Coded Waste)
- Aqueous Inorganic & Organic Waste
- Lab Pack

**Waste Storage / Fixed Tank Capacity:**

- 4-Fixed Facility Tanks 15,000 gallons each
- 2-Fixed Facility Tanks 7,000 gallons each

Equipment List	Location	Capacity / Size / Model	# of Units
Item Description			

<b>CHICAGO, IL FACILITY</b>	<b>Main Phone #</b>	<b>(773) 646-6202</b>
<b>11800 South Stony Island Avenue</b>		
<b>Chicago, IL 60617</b>	<b>Fax #</b>	<b>(773) 646-6381</b>

**EPA/Federal ID #:** ILD000608471

**State ID# (If applicable):** N/A

John E. Lancaster, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

John E. Lancaster

**Type of Facility:**

Transfer, Treatment, Recovery, and Storage Facility

**Wastes Handled:**

Bulk/Drums via Trucks  
 Aqueous Organic and Inorganic waste  
 Household Chemicals  
 Laboratory Chemicals  
 Solvents  
 Oils  
 Sludge for Dewatering

NOTE: Illinois generator # required for waste to be accepted.

**Waste Storage / Fixed Tank Capacity:**

Fixed Bulk – 1,343,600 gallons  
 Containerized – 2,969 Drums  
 Transporters – 40 bulk/roll-off/drum vans

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PECATONICA, IL FACILITY</b>	<b>Main Phone #</b>	<b>(815) 239-2377</b>
<b>6125 N. Pecatonica Road</b>		
<b>Pecatonica, IL 61063</b>	<b>Fax #</b>	<b>(815) 239-2960</b>

**EPA/Federal ID #:** ILD 980 502 744

**State ID# (If applicable):** N/A

Scott Amico, General Manager

Jeff Gibbons, Operations Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jeff Gibbons

Scott Amico

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste codes except:

Explosives, Radioactive, bio-infectious waste

**Waste Storage / Fixed Tank Capacity:**

Warehouse Only

10 Truck Bays

1 Roll-off bulking bay

5,000 x 55 Gal. Drums

98 x 55 Gal. Drums of PCB Storage

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WICHITA, KS FACILITY</b>	<b>Main Phone #</b>	<b>(316) 269-7400</b>
<b>2549 N. New York Street</b>		
<b>Wichita, KS 67219</b>	<b>Fax #</b>	<b>(316) 269-7400</b>

**EPA/Federal ID #:** KSD 007 246 846

**State ID# (If applicable):** N/A

Brian Key, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Key

**Type of Facility:**

Treatment, Storage, Transfer and Recycling Facility

**Wastes Handled:**

Liquids, Solids and Sludges acceptable in rollofs, tankers and drums.

Rail access is available in one portion of the facility and is adjacent to several buildings.

Almost all waste codes are acceptable.

Processing capabilities are available for haz and non-haz fuels, wastewater and incineration liquids.

6,500 drum storage capacity in warehouses.

**Waste Storage / Fixed Tank Capacity:**

(1) 7,100 gallon tank  
(5) 7,400 gallon tanks  
(2) 20,900 gallon tanks  
(1) 1,200 gallon dispersion tank  
Drum washing unit  
Drum pumping unit

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>KIMBALL, NE FACILITY</b>	<b>Main Phone #</b>	<b>(308) 235-4012</b>
<b>2247 South Highway 71</b>		
<b>Kimball, NE 69145</b>	<b>Fax #</b>	<b>(308) 235-4307</b>

**EPA/Federal ID #:** NED981723513

**State ID# (If applicable):** N/A

Jared Hunsaker, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jared Hunsaker  
Brad Reader

**Type of Facility:**

Fluidized-bed Incineration Facility

**Wastes Handled:**

Liquids, Solids, and Sludges  
Almost all RCRA Waste Codes are accepted.  
Waste can be in drums, roll offs, tanker trucks or rail containers (Intermodals, railcars)

**Waste Storage / Fixed Tank Capacity:**

(8) Waste Storage Tanks	20,000 gallons
(4) Waste Feed Tanks	20,000 gallons
(1) Decant Tank	6,000 gallons
(1) Storage Tank	20,000 gallons (#2 Fuel Oil Only)
(1) Wet Solids Receiving Hopper	30 cubic yards
(4) Wet Solids Feed Hopper	50 cubic yards
(2) Dry Solids Feed hoppers	150 cubic yards
(2) Dry Solids Receive Hoppers	75 cubic yards

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**GULF COAST AREA FACILITIES**

<b>COLFAX, LA FACILITY</b>	<b>Main Phone #</b>	<b>(318) 627-3443</b>
<b>3763 Highway 471</b>		
<b>Colfax, LA</b>	<b>Fax #</b>	<b>(318) 627-3448</b>

**EPA/Federal ID #:** LAD 981 055 791  
**State ID# (If applicable):** N/A

Kenneth Michels, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Kenneth michels  
David Lasyone

<b>Type of Facility:</b>
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Treatment Facility

<b>Wastes Handled:</b>
------------------------

Explosives, only by manifest for treatment at Colfax.  
(No other waste can be shipped to or accepted at Colfax)

<b>Waste Storage / Fixed Tank Capacity:</b>
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10 explosive magazines. (with a maximum of 5,000 pounds N.E.W. each.)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>BATON ROUGE, LA FACILITY</b> 13351 Scenic Highway Baton Rouge, LA 70807	<b>Main Phone #</b> (225) 778-1234 <b>Fax #</b> (225) 778-3511
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**EPA/Federal ID #:** LAD 010 395 127

**State ID# (If applicable):** N/A

Mark Sparacino, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mark Sparacino

**Type of Facility:**

Treatment, Stabilization, Storage, and Transfer Facility

**Wastes Handled:**

Aqueous Organic / Inorganic Waste (Hazardous and NON-Haz streams)  
Contaminated Soil  
Sludge for mix pit  
NO PCBs, Explosives

**Waste Storage / Fixed Tank Capacity:**

600,000gal Fixed tank for large wastewater campaign  
(2) 20,000gal Reactors for Batch treatment of heavy metals and/or corrosive streams  
Onsite Railcar spur for offloading/loading wastestreams  
South mix pit building (S&E Barn) for <500ppm VOC streams (sludge/solids)  
30-day Dollydown pad. Room for 40 rolloffs or 20 tankers  
TSDf warehouse with 4 truck bays and capabilities of storing 6000 drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PLAQUEMINE, LA FACILITY</b>	<b>Main Phone #</b>	<b>(225) 659-2434</b>
<b>32655 Gracie Lane</b>		
<b>Plaquemine, LA 70764</b>	<b>Fax #</b>	<b>(225) 659-7870</b>

**EPA/Federal ID #:** LAD 000 778 514

**State ID# (If applicable):** N/A

Lisa Jo Ourso, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Lisa Jo Ourso

**Type of Facility:**

Injection Well Facility

**Wastes Handled:**

Waste Waters

Hazardous – Almost all RCRA waste codes are accepted.

Non Hazardous

Trucks

Capable of offloading barges

**Waste Storage / Fixed Tank Capacity:**

(3) 21,000 Gal Tanks

(1) 10,500 Gal Tank

(1) 14,700 Gal Tank

(2) 13,860 Gal Tanks

(2) 19,530 Gal Tanks

150 gallons per minute maximum injection rate. (3.5 barrels per minute)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WHITE CASTLE, LA FACILITY</b>	<b>Main Phone #</b>	<b>(225) 545-7800</b>
<b>52735 Clark Road</b>		
<b>White Castle, LA 70788</b>	<b>Fax #</b>	<b>(225) 545-7854</b>

**EPA/Federal ID #:** LAD982549636

**State ID# (If applicable):** N/A

Jim Hathcock, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jim Hathcock

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Non-Hazardous liquids, solids, and sludges  
Waste can be in drums, roll-offs, or tanker trucks  
Waste must be biodegradable

**Waste Storage / Fixed Tank Capacity:**

Tank Storage Capacity: 500,000 gallons  
Container Storage Capacity: 17,600 gallons  
Bulk Storage Capacity: 600 tons  
Land Treatment: 320 acres

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LA PORTE, TX FACILITY</b>	<b>Main Phone #</b>	<b>(281) 476-0645</b>
<b>500 Battleground Road</b>		
<b>La Porte, TX 77571</b>	<b>Fax #</b>	<b>(281) 884-7173</b>

**EPA/Federal ID #:** TXD 982 290 140

**State ID# (If applicable):** N/A

Heather Bolla, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Heather Bolla  
Gary Burns

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste Codes Except:  
Explosive, Radioactive and untreated medical wastes

**Waste Storage / Fixed Tank Capacity:**

19,000 55 Gallon Drums

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>DEER PARK, TX FACILITY</b> 2027 Battleground Road La Porte, TX 77571	<b>Main Phone #</b> (281) 930-2300
	<b>Fax #</b> (281) 930-2427

**EPA/Federal ID #:** TXD 055 141 378

**State ID# (If applicable):** N/A

Dennis Wainwright, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dennis Wainwright

**Type of Facility:**

Rotary Kiln Incineration Facility

**Wastes Handled:**

Liquids, Solids, Sludges, Gases, Debris

With the exception of dioxin codes, almost all RCRA codes are accepted, as well as medical waste, reactive wastes, controlled substances (as witness burns) and pharmaceutical wastes.

Waste can be in drums of any size, gas cylinders, roll-off bins, tanker trucks or rail containers (inter-modal and railcars).

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[Redacted]

All Non-Dioxin Waste Codes are Permitted for Incineration

Equipment List			
Item Description	Location	Capacity / Size / Model	# of Units

**WEST REGION FACILITIES**

<b>SAN JOSE, CA FACILITY</b>	<b>Main Phone #</b>	<b>(408) 451-5000</b>
<b>1040 Commercial Street - Suite 109</b>		
<b>San Jose, CA 95112</b>	<b>Fax #</b>	<b>(408) 453-5045</b>

**EPA/Federal ID #:** CAD059494310  
**State ID# (If applicable):** N/A

Chris Murphy, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Chris Murphy

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
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Waste acid base	RCRA & NON-RCRA
Waste solvent, fuel	Most D coded waste
Lean water	Most F coded waste
Waste solid	Most U coded waste
Lab pack	

<b>Waste Storage / Fixed Tank Capacity:</b>
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**Storage tank capacity:**

Inorganic: 63,500 gallons  
Organic: 65,600 gallons

**Fixed Facility Tanks:**

6 Organic waste storage tanks (65,600 gallons)  
8 Inorganic waste storage tanks (63,500 gallons)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>LOS ANGELES, CA FACILITY</b>	<b>Main Phone #</b>	<b>(323) 277-2500</b>
<b>5756 Alba Street</b>		
<b>Los Angeles, CA 90058</b>	<b>Fax #</b>	<b>(323) 277-2523</b>

**EPA/Federal ID #:** CAD 050 806 850

**State ID# (If applicable):** N/A

Brian Olson, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Olson

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All RCRA waste codes except:  
 Forbidden and Class A explosives  
 Radioactive Materials/Mixed Waste.  
 Infectious Materials  
 Compressed materials except aerosol cans  
 Municipal Garbage/Refuse  
 Dioxin Wastes

**Waste Storage / Fixed Tank Capacity:**

Drum Storage Capacity: 2369 X 55 Gallon Equivalents in 4 storage units

Tank Storage Capacity : 170,000 Gallons

Bulk liquid storage is currently limited to oil and oil/water mixtures  
 No bulk VOC laden and or flammable waste can be stored in tanks

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>PHOENIX, AZ FACILITY</b> <b>1340 West Lincoln Street</b> <b>Phoenix, AZ 85007</b>	<b>Main Phone #</b>	<b>(602) 462-2300</b>
	<b>Fax #</b>	<b>(602) 462-2391</b>

**EPA/Federal ID #:** AZD 049 318 009

**State ID# (If applicable):** N/A

Brian Parker, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Brian Parker

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Oily waste  
Solids (haz & non haz)  
Sludge (haz & non haz)  
Liquid (haz & non haz)

**Waste Storage / Fixed Tank Capacity:**

178,250 Gallons - TOTAL  
1352 Drum capacity (75,000 gallons)  
50,000 gallons RCRA  
53,250 gallons non-RCRA

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>ARAGONITE FACILITY</b>	<b>Main Phone #</b>	<b>(801) 323-8100</b>
<b>1160 North Aptus Road</b>		
<b>Aragonite, UT 84029</b>	<b>Fax #</b>	<b>(810) 323-8877</b>

**EPA/Federal ID #:** UTD 981 552 177

**State ID# (If applicable):** N/A

Sukhwant Raju, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Shawn Raju

**Type of Facility:**

Treatment, Storage, Transfer and Recycling Facility

**Wastes Handled:**

Liquids  
Sludge  
Solids  
Compressed Gasses  
Forms of PCB Materials

**Waste Storage / Fixed Tank Capacity:**

The facility is permitted to store bulk solids, bulk liquids, bulk sludge and drummed material.

16 - 30,000-gallon (each) tanks for bulk liquids.

2 - sludge tanks for a total storage capacity of approximately 37,000 gallons of sludge.

3 - bulk solids tanks for the storage of contaminated solids

3 - drum storage and processing buildings designed to store a maximum of 10,208 55-gallon drum equivalents.

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>STERLING, CO FACILITY</b> 21207 County Road 32.2 Sterling, CO 80751	<b>Main Phone #</b> (970) 521-0551
	<b>Fax #</b> (970) 521-0552

**EPA/Federal ID #:** COD983778366

**State ID# (If applicable):** N/A

Dave Rutledge, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Dave Rutledge

**Type of Facility:**

10-Day Transfer Facility

Receive inter-company, liquid waste in railcars and trans-load the liquid into tanker trailers for transport for incineration.

**Wastes Handled:**

Oily Waste Mixtures

**Waste Storage / Fixed Tank Capacity:**

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Tanker Trailer	Sterling	7500 Gallon	3
Vacuum Box	Sterling	5000 Gallon	10

## CANADIAN FACILITIES

<b>DEBERT, NOVA SCOTIA FACILITY</b>	<b>Main Phone #</b>	<b>(902) 662-3336</b>
<b>640 McElmon Road</b>	<b>Toll Free #</b>	<b>(800) 565-7474</b>
<b>Debert, NS B0M 1G0</b>	<b>Fax #</b>	<b>(902) 662-2211</b>

**EPA/Federal ID #:** 2002-025886-A02  
**State ID# (If applicable):** N/A

Jeff Johnson, General Manager

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Greg Maynard  
 Jeff Johnson

Derrick Gallant

<b>Type of Facility:</b>
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Treatment, Storage, Transfer, and Recycling Facility

<b>Wastes Handled:</b>
------------------------

Liquids  
 Semi-Liquid  
 Solid  
 Drum & Bulk Loads

Facility has used oil collectors permit

<b>Waste Storage / Fixed Tank Capacity:</b>
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4 – 32,000 L waste tanks inside facility  
 Drum storage (approx. 1000)  
 Roll-off storage

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Straight Truck w/ Liftgate	Debert		2
Vacuum Truck	Debert	3000 Imperial Gallon	2
Vacuum Truck	Debert	5500 Imperial Gallon	1
Vacuum Truck	Debert	2000 Imperial Gallong	1
Vacuum Truck	Debert	26' Straight	2
Van Trailer w/ Liftgate	Debert	48'	2
Emergency Response Straight Truck	Debert		1
Mobile Wash Unit	Debert	5000 PSI	1
Pickup Truck	Debert		1

<b>MERCIER, QUEBEC FACILITY</b> 1294 boulev. Ste-Marguerite Ville Mercier, PQ J6R 2L1	<b>Main Phone #</b> (450) 691-9610
	<b>Fax #</b> (450) 691-9694

**EPA/Federal ID #:** 1145021615  
(Provincial)

**State ID# (If applicable):** N/A

Michel Benoit, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Michel Benoit

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

70,900 Metric Tonnes / Year, Fixed Liquid Injection Incinerator

**Wastes Handled:**

Liquids and Sludges  
Tanker Trucks  
Must contain organic waste

**Waste Storage / Fixed Tank Capacity:**

(6) Waste Feed Tanks 136,000 liters each  
(2) Decant Tank 500,000 liters each  
(1) Sludge Storage Tank 135,000 liters  
(1) #2 Fuel Oil Tank 9,900 liters  
(1) #6 Bunker Oil Tank 68,180 liters  
(1) Caustic Tank 31,300 liters  
(1) Process Water Tank 45,400 liters

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>ST. CATHERINE, QUEBEC FACILITY</b>	<b>Main Phone #</b>	<b>(450) 632-6640</b>
<b>6785 Route 132</b>	<b>Toll Free #</b>	<b>(800) 880-1496</b>
<b>Ville Ste-Catherine, PQ JOL 1EO</b>	<b>Fax #</b>	<b>(450) 632-1055</b>

**EPA/Federal ID #:** N/A  
**State ID# (If applicable):** 1145021615 (Provincial)

Luc McSween, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Luc McSween

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Any liquid, semi-liquid and solid hazardous waste streams as specified in Schedules I and II of the Hazardous Waste Regulation (Q-2, r.12.1) except for Explosive, radioactive or pathological wastes, and PCB wastes.

**Waste Storage / Fixed Tank Capacity:**

4 tanks with a capacity of 72,650 litres each, d ked with a concrete wall  
1 x 1,135,000 litres capacity tank inside an empty 2,660,000 litres capacity tank;  
1,425,600 litres of liquid wastes

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Transporter Tanker	St. Catherine		19
Tractor	St. Catherine		14
Straight Vac. Truck	St. Catherine		4
Roll-Off Frame	St. Catherine		3
Roll-Off Container	St. Catherine		150

<b>THURSO, QUEBEC FACILITY</b>	<b>Main Phone #</b>	<b>(819) 985-0110</b>
<b>Rang 5 East 400 Galipeau St.</b>	<b>Toll Free #</b>	<b>(800) 667-8793</b>
<b>Thurso, PQ JOX 3B0</b>	<b>Fax #</b>	<b>(819) 985-0045</b>

**EPA/Federal ID #:** N/A  
**State ID# (If applicable):** 1145021615  
(Provincial)

Real Ducharme, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Real Ducharme

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquid, sludge, solid organic and inorganic wastes in drums  
Bulk solids in lugger and roll-off

**Waste Storage / Fixed Tank Capacity:**

7245 drums  
800 metric tons of solids in bulk  
1 blending tank 1000 gallons  
3 vacuum tanks 2700 gallons each  
2 storage tanks 6000 gallons each  
1 storage tank 7000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>GUELPH, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(519) 824-2025</b>
<b>520 Southgate Drive</b>	<b>24 Hour #</b>	<b>(800) 668-3787</b>
<b>Guelph, ON N1G 4P5</b>	<b>Fax #</b>	<b>(519) 824-2322</b>

**EPA/Federal ID #:** A170115

**State ID# (If applicable):** N/A

Rod Turnbull, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rod Turnbull  
Trevor Franklin

Tim Franklin

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Non- hazardous waste and Leachate toxic waste liquids. Oil and oil emulsions.  
Oily water, sludges, oil, contaminated ground water, liquid process streams including phosphate and water based paints.  
Bulk loads only. Not permitted for drums or tote quantities.

**Waste Storage / Fixed Tank Capacity:**

Permitted 150,000 litres per day maximum (40,000 US gallons)  
4 receiving tanks @ 5,000 gallons each  
2 sludge thickening tanks @ 5,000 gallons each  
2 coagulating tanks @ 5,000 gallons each  
2 liquid holding tanks @ 10,000 gallons each  
2 bio-oxidation tanks @ 10,000 gallons  
1 oil recovery tank @ 5,000 gallons  
2 treated water tanks @ 5,000 gallons and 10,000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Vacuum Truck	Guelph		1
Skidsteer Loader	Guelph		1
Absorbents	Guelph		Assorted

<b>LONDON, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(519) 451-6630</b>
<b>2258 River Road</b>		
<b>London, ON N5W 6C2</b>	<b>Fax #</b>	<b>(519) 451-1472</b>

**EPA/Federal ID #:** A041603

**State ID# (If applicable):** N/A

Rob Girard, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rob Girard

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

All wastes except: PCB, Explosives, Bio-hazards, Asbestos and Radioactive

**Waste Storage / Fixed Tank Capacity:**

100,000 gallons of non-flammable, non-corrosive liquid waste

2419 M.Tons of waste storage

3900 Drum storage

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>MISSISSAUGA, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 822-3781</b>
<b>551 Avonhead Rd</b>		
<b>Mississauga, ON L5J 4B1</b>	<b>Fax #</b>	<b>(905) 822-1121</b>

**EPA/Federal ID #:** A220106 (Receiver), ON0039015 (Generator)

**State ID# (If applicable):** N/A

Jaqueline Ho, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Jaqueline Ho  
Greg McRae

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility  
Primarily a fuel blending facility and a landfill bulking and mixing facility  
Full transfer station capabilities

**Wastes Handled:**

All Haz & Non-Haz except Explosives, radioactives, pathological material, and anything with greater than 50 ppm PCB's

Approximately 125,000 drums per year

**Waste Storage / Fixed Tank Capacity:**

7,500 drums  
470 cubic meters of haz and non haz solids  
1,179,500 liters of hazardous liquids  
75,000 liters of TEL wastes

Storage tanks are as follows :  
3 tanks @ 227,000 liters each  
5 tanks @ 90,800 liters each  
1 tank @ 44,500 liters

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>THOROLD, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 227-7872</b>
<b>1829 Allanport Road</b>	<b>Toll Free #</b>	<b>(800) 263-2436</b>
<b>Thorold, ON L2V 3Y9</b>	<b>Fax #</b>	<b>(985) 680-4255</b>

**EPA/Federal ID #:** A121026

**State ID# (If applicable):** N/A

Mike Branch, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Mike Branch  
Randy Zdelar

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquids, Solids and Sludges  
Full range of materials excluding explosives, radioactive, pcb, and pathological wastes  
Waste is typically in drum size or smaller containers.

**Waste Storage / Fixed Tank Capacity:**

4192 drums of material  
(10) Aqueous Storage Tanks (10,000 Gal Each)  
(2) Aqueous Storage Tanks (5,500 Gal Each)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
Service Van / Box Truck	Thorold	48 Drum Capacity	2
Cube Van	Thorold	24 Drum Capacity	2
Box Trailer w/ Tractor	Thorold	92 Drum Capacity	1

<b>BURLINGTON, ONTARIO FACILITY</b>	<b>Main Phone #</b>	<b>(905) 332-1111</b>
<b>1790 Ironstone Drive</b>		
<b>Burlington, ON L7L 5V3</b>	<b>Fax #</b>	<b>(905) 332-5404</b>

**EPA/Federal ID #:** A-210108

**State ID# (If applicable):** N/A

Rod Turnbull, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rod Turnbull  
Tim Lewis

**Type of Facility:**

Treatment, Storage, Transfer, and Recycling Facility

**Wastes Handled:**

Liquid industrial, non hazardous waste and Leachate toxic waste liquids.

Oily water, oil, contaminated ground water, liquid process streams including phosphate and water based paints.

Permitted for drums or tote quantities: (1000 drums)

**Waste Storage / Fixed Tank Capacity:**

15 Receiving and storage tanks, one clarifier

Total Storage in tank farm, 370,000 gallons

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

<b>WINNIPEG, MANITOBA FACILITY</b>	<b>Main Phone #</b>	<b>(204) 956-9770</b>
<b>1147 Henry Avenue</b>		
<b>Winnipeg, MB R3E 1V6</b>	<b>Fax #</b>	<b>(204) 783-0539</b>

**EPA/Federal ID #:** MBR07393 (Receiver), MBC07392 (Carrier), MBG07391 (Generator)

**State ID# (If applicable):** N/A

Dwayne Blatt, Plant Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Ann Hinton  
Dan Bosowec

Dwayne Blatt

**Type of Facility:**

Storage, Transfer Facility

**Wastes Handled:**

All dangerous goods Classes except Class 1, 7, 6.2 and limited 5.2

Waste can be in drums, pails, IBC bags.

Transfer license for bulk into tankers

Limited space for bulking into roll-offs

**Waste Storage / Fixed Tank Capacity:**

300 x 205 liter drums equivalents

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
5 Ton Truck	Winnipeg	40 Drum Capacity	2
Tractor & Van w/ Tailgate	Winnipeg	80 Drum Capacity	1

<b>RYLEY, ALBERTA FACILITY</b>	<b>Main Phone #:</b>	<b>(780) 663-3828</b>
<b>2km No. of Hwy. 14 on 2ndary Rd.854</b>		
<b>Ryley, AB t0B 4A0</b>	<b>Fax #:</b>	<b>(780) 663-3539</b>

**EPA/Federal ID #:** 10348-01-00 (Generator - ABG5498), ABR1089

**State ID# (If applicable):** N/A

Don White, General Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Wayne Ma  
Don White

Stan Yuha

**Type of Facility:**

Landfill, Storage, and Transfer Facility

**Wastes Handled:**

Hazardous waste for landfill  
Non-Haz waste for landfill  
All wastes except explosives, bio-medical, and radioactive

**Waste Storage Capacity:**

Bu king of drums into 3 on-site storage tanks

Fuel tank capacity	4000 USG
Lean tank capacity	4000 USG
Wastewater tank capacity	8000 USG

Permitted Storage Capacity 2500 Drums

**Fixed Tank Capacity:**

<b>Equipment List</b>			
Item Description	Location	Capacity / Size / Model	# of Units

<b>DELTA, BRITISH COLUMBIA FACILITY</b>	<b>Main Phone #</b>	<b>(604) 940-0894</b>
<b>7842 Progress Way</b>	<b>Toll Free #</b>	<b>(800) 667-8333</b>
<b>Delta, BC V4G 1A4</b>	<b>Fax #</b>	<b>(604) 940-1423</b>

**EPA/Federal ID #:** PS-8388 / (LT0249 Transport)

**State ID# (If applicable):** N/A

Wayne Ma, Facility Manager

**Personnel Authorized to release equipment / materials / manpower, etc:**

Larry Vinegar  
Wayne Ma

Otis Reckord

**Type of Facility:**

Transfer, Storage, Transportation, and Processing Facility

**Wastes Handled:**

All types of wastes except Class 1 (explosives), Class 6.2 (bio-haz) and Class 7 (radioactives)

Permitted Storage Tanks Capacity: 5.2 million litres of Special Waste

Permitted Bulk Solids Storage Capacity: 80,000 kg of Special Waste

Permitted Drum Storage Capacity: 1850 drums

**Waste Storage / Fixed Tank Capacity:**

(3) 894,000 litre tank

(1) 416,000 litre tank

(2) 59,000 litre tank

(1) 43,000 litre tank

(1) 44,000 litre tank

(2) 3,500 litre processing tank

(1) 69,000 litre tank

(1) 68,000 litre tank

(1) 67,000 litre tank

(8) 51,000 litre tank

(3) 160,000 litre tank

(4) 5,300 litre tank

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>

**SUPPORT CENTERS & CONTRACTORS**

<b>REMEDIATION &amp; ENVIRONMENTAL CONSTRUCTION</b>	<b>24 Hr. #</b>	<b>(781) 792-5000</b>
<b>42 Longwater Drive</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Norwell, MA 02061</b>	<b>Fax #</b>	<b>(781) 792-5938</b>

Norm Nelheubel, Vice President R&amp;EC

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Norm Nelhuebel  
Rick Kiernan  
Dana Simpson  
Tony DelTufo  
Rich Analoro  
John Irwin

Paul Pukk  
Dan Douthwright  
Paul Dovell

**40-Hour OSHA Trained Personnel:**

LSP	4	Project Supervisor	4
Professional Engineer	14	Foremen / Pipefitter	4
Project Manager	4	Licensed Wastewater Operator	5
Field Inspector	3	Field Technician	5
Geologist	4	Heavy Equipment Operator	4
Project Scientist	4	Electrician	1
Project Engineer	4		

**Services Available:**

Site Investigation  
Remedial System Design & Field Installation  
Site Construction (Civil)  
Code Welding & Fabrication Services

Mobile Treatment Services  
Site / System Operations & Maintenance Services  
Well Maintenance & Video Inspection Services

<b>Equipment List</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Specialty Equipment</b>			
Pickup Truck	Weymouth		13
Stake Body / Rack Truck	Weymouth		2
Bobcat w/ Trailer	Weymouth		1
Link Belt Excavator	Weymouth		1
Mitsui Mixer	Weymouth	Hydraulic Excavator Attachment	1
Pressure washer / hotsy	Weymouth		2
Double Diaphragm Pump	Weymouth	2"	1
Double Diaphragm Pump	Weymouth	2"	2
Submersible Pump	Weymouth	4"	4
Trash Pump	Weymouth	2"	2
Frac Tank	Weymouth	20,000 Gal	1
Air Compressor	Weymouth	175 CFM	1
300GPM – LPC - 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
200GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
100GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
85GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
70GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1
50GPM – LPC – 1	Weymouth	(LPC: Liquid Phase Carbon Trailer)	1

<b>Equipment List Cont.</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(9) Health and Safety Equipment</b>			
DBI Extraction Device	Weymouth		3
Tripod	Weymouth		2
SCBA	Weymouth		2
SAR W/ Escape Pack	Weymouth		2
MSA Passport PID	Weymouth		1
MSA 4-Gas Meter	Weymouth		3
MultiRae Plus Meter (4Gas w/ PID)	Weymouth		1
<b>(10) Communications</b>			
2-Way Radio	Weymouth / Norwell	Nextel	20
<b>(11) Miscellaneous</b>			

<b>R&amp;EC GENERAL WELDING</b>	<b>24 Hr. #</b>	<b>(781) 331-5600</b>
<b>609 Pleasant St., P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 645-8265</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 335-2675</b>

Norm Nelheubel, Vice President R&amp;EC

EPA / Federal ID #:

N/A

<b>Personnel Authorized to release equipment / materials / manpower, etc:</b>
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Norm Nelhuebel  
Dan Douthwright  
Dave Ottolini  
Alan Mount

Paul Dovell  
Rich Analoro

<b>40-Hour OSHA Trained Personnel:</b>
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Project Manager	1
Foreman / Welder	1
Welders	8

<b>Fabrication:</b>
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Can provide 24 hour welding and fabrication services at job site with 40-Hour OSHA trained personnel.  
(Specify range of project size and any general details about uniqueness of the facility – i.e. special equipment or processes)

<b>Equipment List</b>			
<b>Item Description</b>	<b>Location</b>	<b>Capacity / Size / Model</b>	<b># of Units</b>
<b>(1) Specialty Equipment</b>			
Welding Truck	Weymouth		3
Portable Welding Machine	Weymouth		3
Plasma Cutter	Weymouth		1
Fork Truck	Weymouth		1
Pipe Threading Machine	Weymouth		2
12' Press Break	Weymouth		1
Metal Shear	Weymouth		1
Pipe Benders	Weymouth		2
Electric Tig Welding Machine	Weymouth		3
Electric Mig Welding Machine	Weymouth		3
Electric Subarc Welding Machine	Weymouth		1
Overhead Crane	Weymouth	5 Ton	2
Overhead Crane	Weymouth	1 Ton	1
Overhead Crane	Weymouth	1/2 Ton	1

<b>FLEET MAINTENANCE FACILITY</b>	<b>24 Hr. #</b>	<b>(781) 331-9954</b>
<b>607 Pleasant Street, P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 349-8789</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	<b>(781) 337-2643</b>

Rick Smith, General Manager

EPA / Federal ID #:

**Personnel Authorized to release equipment / materials / manpower, etc:**

Rick Smith

**40-Hour OSHA Trained Personnel:**

Mechanics

**Operations:**

Over-the-road Maintenance of all:  
 Transportation Equipment  
 Pumps  
 Marine Equipment  
 Earth Moving Equipment

<b>CENTRAL LOGISTICS</b>	<b>24 Hr. #</b>	<b>(781) 792-5000</b>
<b>607 Pleasant Street, P.O. Box 22</b>	<b>24 Hr. #</b>	<b>(800) 282-0058</b>
<b>Weymouth, MA 02189</b>	<b>Fax #</b>	

John J. Ross Jr., Director, Central Logistics

**Personnel Authorized to release equipment / materials / manpower, etc:**

Peter James	Heather McCarthy
Steve Barnes	Rudy Streng
John Kelliher	Bill Stanton
Bob Gale	

**Transportation Equipment:**

Transporters / Tank Trailers	61	Vacuum Trailers	40
Vacuum Trucks	48	Tractors	108
Roll-off Containers	421	Vacuum Boxes	10
Intermodal Containers	157		

**Note:**

This transportation equipment moves all over our operating area and is dispatched out of our Emergency Response service centers and regional offices. Some of this equipment has already been noted under the individual site pages.

**Regional Offices:**

**Eastern Northeast:**

1 Hill Ave. Braintree, MA  
Kevin Realini- Logistics Coordinator  
(781) 792-5000

**Western Northeast:**

761 Middle St. Bristol, CT  
Jim Gager - Logistics Coordinator

**Mid Atlantic:**

1910 Russell St.. Baltimore, MD  
Donald Dube- Logistics Coordinator  
(410) 685-4170

**Mid-West:**

11800 South Stony Island Chicago, IL  
Christine Falvey - Logistics Coordinator  
(773) 646-6202

**Plains:**

5 Miles South, Route 71, Kimball, NE  
Darla Klinkhammer - Logistics Coordinator  
(308) 235-8234

**Allegheny:**

2900 Rockefeller Ave. Cleveland, OH  
Tom Waseity - Logistics Coordinator  
(216) 429-2402

**Southern Northeast:**

3 Sutton Place, Edison, NJ  
Jeff Francis - Logistics Coordinator

**Ohio Valley:**

4879 Spring Grove Ave. Cincinnati., OH  
Tom Waseity - Logistics Coordinator  
(216) 429-2402

**Southeast:**

4567 South Berkeley Lake Rd., Norcross, GA  
Randy Przywara - Logistics Coordinator  
(770) 449-1550

**Texas:**

131 North Richey Road, Pasadena, TX  
Mark Hale - Logistics Coordinator  
(713) 473-9870

## SUBCONTRACTORS

### SUBCONTRACTED BARGES

The following is a list of those companies that we will subcontract U.S. Coast Guard certified barges for use as temporary storage facilities for spilled oil near shore and large port areas:

Company/24 Hr. #	Service Area	Contact	Equipment/Materials
<b>American Commercial Barge Line Co.</b> P.O. Box 610 Jeffersonville, IN 47130 (812) 288-0100	Great Lakes Rivers/Gulf	Kelly Roberts	200 barges 2,000,000 barrels
<b>Maritrans G. P. Inc.</b> 1 Logan Square Philadelphia, PA 19103-1480 (215) 864-1200 (800) 523-4511	East Coast	Arthur Volkle	30 Barges 2,870,000 barrel capacity
<b>Moran Towing &amp; Trans. Co.</b> 2 Greenwich Plaza, 3rd Floor Greenwich, CT 06830 (203) 625-7800 (203) 625-7828	East Coast & Gulf Coast	William Muller,	8 barges 402,430 barrel capacity

<b>SUBCONTRACTORS</b>
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The following is a list of those companies that we will subcontract additional support equipment and/or labor to assist with our operations:

<b>Company/24 Hr. #</b>	<b>Service Area</b>	<b>Contact</b>	<b>Equipment/Materials</b>
<b>Fishburn Services, Ltd.</b> 5012 State Route 229 - PO Box 278 Marengo, OH 43334 (419) 253-6031	Company Wide	Jack Fishburn	350 Frac Tanks @ 21,000 ea.
<b>North Star Marine</b> 8300 Landis Ave. Sea Isle City, NJ 08243 (609) 263-6666	Jersey Shore & Delaware Valley	Phil Risko	Work/Spill Response Boats
<b>NRC (National Response Corp)</b> 3500 Sunrise Highway, Suite 103  Great River NY (631) 224-9141 FAX (631) 224-9141	National	John Allen	OPA-90 "Worst Case" Spill Coverage Major Response Resources
<b>MSRC (Marine Spill Response Corp)</b> 375 Raritan Center Parkway  Edison, New Jersey 08837-3920 (908) 417-0500 FAX (908) 417-1314	National	Steve Dorrler	OPA-90 "Worst Case" Spill Coverage Major Response Resources
<b>Onsite Environmental Staffing</b> 3450 Corporate Way - Suite B Duluth, GA 30136 (800) 807-0454 (770) 623-1554	National	Steve Cox, V.P. Simon Robinson	500 40-Hr OSHA Trained Personnel
<b>Eason Diving &amp; Marine Contracting</b> 2668 Spruill Avenue North Charleston, SC 29405 (843) 747-0548	National	Tom Eason	Underwater Diving Oil Recovery
<b>SubSea International, Inc.</b> 701 Engineers Road Belle Chase, LA 70037 (504) 393-7744	National	Michael Start	Underwater Diving Oil Recovery
<b>Primary Resources</b> 2709 Water Ridge Parkway Suite 170 Charlotte, NC 28217 888-774-8367 714-529-6017 - Fax	National	Ron Yountz	40-Hr OSHA Trained Personnel
<b>EPG</b> PO Box 1096 Mt. Pleasant, SC 29465 843-514-2247 843-881-7766 - Fax	National	John Mahoney	40-Hr OSHA Trained Personnel

Company/24 Hr. #	Service Area	Contact	Equipment/Materials
<b>Trident</b> 175 Maple Street Mar boro, MA 01752 508-229-3545 508-229-8130 - Fax	New England National	Bill Nineve Gary Quinn	40-Hr OSHA Trained Personnel
<b>Contaminate Control Inc (CCI)</b> 438 – C Robinson St Fayetteville, NC 28301 800-845-3208 704-973-9669 - Fax	National	Randy Benefield Alan Oudy	40-Hr OSHA Trained Personnel
<b>Oil Mop Inc (OMI)</b> 145 Keating Drive Belle Chase, LA 70037 201-436-3500 504-391-7398 - Fax 504-391-7398 - Fax	National	John Garabocco Paula	40-Hr OSHA Trained Personnel
<b>Clean Venture</b> 201 South 1st ST Elizabeth NJ 07206 908-355-5800 908-355-3495 - Fax	National	Tony Pongonis 508-509-4893 - Cell	40-Hr OSHA Trained Personnel
<b>TMC</b> 1 William Way Bellingham, MA 02019  508-966-3737 508-966-4861 - Fax	National New England	Ross Hartman	508-889-8017 - Cell 40-Hr OSHA Trained Personnel
<b>Northeast Tank</b> 349 Lincoln St, Bld 48 Hingham, MA 02043 617-212-8250 781-740-0174 - Fax	New England	John O'Brien	Rolloff/Storage Tanks
<b>CYN Environmental</b> PO Box 119 Stoughton, MA 02072 781-341-1777 781-344-9674 - Fax	Regional	Ted Chris Weber	40-Hr OSHA Trained Personnel Various E.R. Equipment
<b>3R Inc.</b> 315 Bond Place Grier, SC 29650 800-654-4434 864-848-9963 - Fax		Tim Sloan	40-Hr OSHA Trained Personnel
<b>ES&amp;H Inc.</b> PO Box 9217 Houma, LA 70364 985-851-5350	National	Farrel LaFonte Peter Piasance	40-Hr OSHA Trained Personnel

Company/24 Hr. #	Service Area	Contact	Equipment/Materials
<b>Dillon Environmental</b> P.O. Box 1393 Ardmore, OK 73402 (580) 226-5303	Gulf	Scott Dillon	40-Hr OSHA Trained Personnel
<b>Cajun Boat Rentals</b> 1079 Sidney Guidry Rd. St. Martinville, LA 70582 (337) 519-6053	Gulf	Jude Guidry	Airboats
<b>Crain Bros. Inc</b> 2717 Grand Chenier Hwy. P.O. Box 118 Grand Chenier, LA 70643 (337) 538-2411	Gulf		Marsh Equipment
<b>US Environmental Services</b> PO Box 949 Meraux, LA 70075 888-279-9930 504-279-7756 - Fax	National	Dennis Schenk	40-Hr OSHA Trained Personnel
<b>Summit Environmental</b> 8521 S. Lake Dr Texarkana, TX 75501 903-334-8980 903-334-8990 - Fax	National	Jerry Anglin	40-Hr OSHA Trained Personnel
<b>ASCO</b> 2001 Peters Rd Harvey, LA 70058 1-800-207-SPIL (7745) 504-366-1491 - Fax	National	Aaron Holton	40-Hr OSHA Trained Personnel
<b>USI Environmental</b> PO Box 804 Beuras, LA 70041 985-637-6459	National	Mike Brewer	40-Hr OSHA Trained Personnel
<b>Phoenix Pollution Control</b> 720 S. Lynchburg Rd Baytown, TX 77520 281-838-3400	National	Tommy Anderson	
<b>LW Environmental</b> Rt. 2 Box 107 Wilson, OK 73463 580-668-2597 (580) 668-3228	National		40-Hr OSHA Trained Personnel

## SELECT PROJECT ABSTRACTS

Clean Harbors responds to emergencies from almost every service location on a daily basis. This section provides overviews of projects that have utilized Clean Harbors' National Response Team (NRT). We would like to note that we are available nationwide for any type of emergency, while still being capable to respond on a large scale without interrupting the day-to-day business at local service centers and facilities.

## HURRICANE RITA RECOVERY, CAMERON, LA – OCTOBER, 2005

### Project Overview:

Hurricane Rita came ashore in southwestern Louisiana on September 24, 2005, with the storm's eye passing near the community of Johnson's Bayou (directly south of SNWR) in Cameron Parish, Louisiana. A Category III hurricane at landfall, Rita caused widespread damage to the surrounding areas with winds in excess of 100 mph and a storm surge topping 15 to 20 ft. The coastal communities of Holly Beach, Johnson's Bayou, and Cameron received catastrophic damage. Oil drilling rigs and platforms located just offshore in the Gulf of Mexico also received heavy damage. Hazardous materials from these communities and commercial activities were carried by the wind and flood waters into wildlife refuges, along with household materials, lumber, and displaced vegetation.

Because of their current working relationship with the United States Coast Guard on the Hurricane Katrina disaster relief, Clean Harbors was called to aid in the recovery of hazardous materials from the wetland areas. After an initial flyover of Cameron Parish, Clean Harbors was asked to mobilize a crew of ten people. Working as a joint effort by the Coast Guard and the Environmental Protection Agency, a second flyover was performed a month later revealing thousands of more items in the marsh than the initial flyover.

Clean Harbors was able to use its extensive gulf coast networking to set up a fleet of over 20 single, double, and triple engine airboats, 8 marsh excavators and draglines, and 8 barge boats to assist in the effort. All of this equipment would follow teams of workers who walked the debris lines and pick up the debris. Crews spanned from the Louisiana – Texas state line eastward over 40 miles, and as far north as Hackberry, LA (~15 miles). Clean Harbors was also able to procure a gated and secure office for the USCG and EPA to use as their command station in Lake Charles.

Clean Harbors aided in recovering over 60,000 total hazardous items on the project. The joint task force set a goal of finishing the project by June 1, 2006, and Clean Harbors finished by April 1, 2006. Because of their superior work on the Rita recovery project, they were asked by the United States Fish and Wildlife organization to perform the same duties plus the duties of other contractors at the Cameron Prairie and Sabine National Wildlife Refuges during the second half of 2006.

## HURRICANE KATRINA RESPONSE, NEW ORLEANS, LA – SEPTEMBER, 2005

### Project Overview:

On August 31, 2005, the areas of Southeastern Louisiana and Southern Mississippi were hit by Hurricane Katrina. Arguably the worst natural disaster in United States history, the hurricane destroyed thousands of homes and lives. Levee walls in New Orleans, LA ruptured and flooded the entire city, forcing a complete evacuation of over 450,000 people in the city. Looting and violence ensued as much of the city searched for food and shelter, turning the city essentially into a war zone. The environmental damages and effects of the hurricane were numerous. According to the Natural Resources Defense Council, Hurricane Katrina triggered over 575 chemical and oil spills throughout the region, not to mention all of the water and mold damage that ensued from the flooding.

Clean Harbors response employees went to Baton Rouge to ensure the safety of employees in that area, as well as to assess damages. The office in Baton Rouge had minimal damage, and was equipped with hundreds of acres of land. Event Strike Team personnel contacted the US Coast Guard and informed them of our available resources in the area. The Coast Guard then requested to use the Baton Rouge facility as a command center for their response due to the security and available land. Within days Clean Harbors had procured over 30 camping trailers and set up a base to house over 300 people. The site was run as a normal service center at a much higher scale. Clean Harbors serviced over 30 customers and over 80 individual projects in the span of 8 months.

The Clean Harbors facility in Baton Rouge turned into a miniature city, with several customers living on the property. Campers were set up with fully functioning sewerage, water, electricity, and any other essentials. Utility services were installed to handle the increased phone and internet capacity of the Coast Guard and FEMA. Over 200 people were working under Clean Harbors command, including upper level managers, project managers, and technicians, and over 100 non-employees were using the facility as a base. Emergency response services were utilized near their full capacity for the entire company. Nearly every product line Clean Harbors offers worked during this response, including National Transportation, Technical and Remediation Services, Clean Pack, and Disposal. The field at the entrance of the facility was used as a helicopter launching pad for the Coast Guard, FEMA, and several other customers. At times there were over 15 helicopters on the property.

Within a day of the initial call, Clean Harbors procured a barge containing over 300,000 gallons of fuel to use for the Coast Guard's fueling operations. On top of the barge fuel that was used, Clean Harbors had fuel station capabilities at the Baton Rouge Facility that were fully utilized. A fueling team was set up to carry totes of fuel to several locations throughout the ravaged area; a job that lasted well over 8 months. Over a half a million gallons of fuel were delivered throughout the project.

It took the Army Corps of Engineers nearly a month to pump all of the water out of the city of New Orleans. The flooding caused all chemicals and oils to spill into the water, creating a massive potential for infection. Clean Harbors utilized their hazardous materials handling training, as well as their marine operations expertise to deploy boom at each individual pumping location on Lake Ponchartrain. Clean Harbors also assisted the Federal Emergency Management Agency (FEMA) in decontaminating their mobile morgues. Much of this work was considered high-haz due to all of the unknown pathological variables involved.

At a major oil facility in New Orleans, a 250,000 barrel above ground storage tank (tank # 250-2) was dislodged, lifted and damaged in flooding associated with Hurricane Katrina. At the time, the tank contained 65,000 barrels of mixed crude oil, and released approximately 25,110 barrels (1,050,000 gallons). The released oil has impacted approximately 1700 homes in an adjacent residential neighborhood; an area of about one square mile. The United States Coast Guard, along with the spill management company hired by the oil facility, hired Clean Harbors to assist in the initial cleanup. Clean Harbors mobilized over 30 workers, several small workboats, and several skimmer setups. Clean Harbors was a presence on the spill until the maintenance phase began in late October, 2005.

After the storm initially hit, the United States Post Office required cleaning of several offices in eastern Mississippi. Clean Harbors responded with over 100 workers to the Bay St. Louis, MS, and Kiln, MS Post Offices. Within a week they had cleaned each office and decontaminated the machines from any unknowns, and set up disposal services for future use at the locations. Also in Mississippi, Clean Harbors was contacted by a shipbuilding company to decontaminate their dry docks. Vacuum trucks and crews with pressure washing equipment were mobilized to accomplish the task.

In New Orleans itself there was much more work to be done. Since the city was evacuated and there was so much time without power, several food processing plants in New Orleans needed electricity to power their refrigeration units. Clean Harbors was asked to clean out two locations that had rancid meat in them. The cleanup of each location was managed and completed through disposal of the product by Clean Harbors. Disposal was sent to Clean Harbors' White Castle facility in White Castle, LA.

Within two months of the cleanup operation, so much of the work was based in New Orleans or further south that Clean Harbors mobilized another command center into the city. During the first two months of the cleanup phase it was impossible and unfeasible to enter the city and live there, but once it had been drained out moving there was an option. Clean Harbors set up another campground at the property across the river in Gretna, LA and began to run all New Orleans operations from there. A Mobil Incident Command Unit was set up there for all operations to report to, and an office was rented in the World Trade Center to run all Finance operations.

After the flooding in New Orleans, a local utility company contacted Clean Harbors to aid in cleaning their offices in the city. Clean Harbors cleaned several buildings directly for the utility company and their consultant, and due to their excellent work on the building decontaminations, Clean Harbors was asked to begin cleaning manholes throughout the city. Several high powered vacuum trucks were involved, and Clean Harbors used their confined space expertise to pump out and clean hundreds of manholes throughout New Orleans and southern Mississippi. The utility company was so impressed with the work that they awarded Clean Harbors the maintenance contract for the manholes in the entire Southeast & Gulf Area regions.

Once areas of the city were re-opened to the public, waste from houses needed to be collected and removed from the destroyed area. Clean Harbors utilized nearly 100 workers to walk debris lines and roads and collect any household hazardous waste (HHW) for disposal. The disposal was managed by the Army Corps of Engineers. Clean Harbors then used its strong subcontractor network to manage the asbestos and ACM cleanup among the HHW. This project lasted until late March, 2006, until the demolition of the damaged homes began.

After over 8 months of work, Clean Harbors proved once again that they are the leader in nearly all aspects of emergency response on a large scale. Nearly all product lines Clean Harbors has to offer were used over this time period; many jobs used multiple product lines on them such as response, transportation of waste, and disposal.

## **OIL TANKER ATHOS I SPILL, DELAWARE RIVER, NJ/PA – NOVEMBER, 2004**

### **Project Overview:**

On Friday, November 26, 2004, at approximately 9:15 p.m., the 750-foot, single-hull tanker Athos I, registered under the flag of Cyprus, was reported to be leaking oil into the Delaware River en route to its terminal at the CITGO asphalt refinery in Paulsboro, New Jersey. As two tugboats were helping the vessel maneuver to its terminal, a routine procedure, one of the tugboat operators noticed oil in the water, and the oil tanker listed eight degrees and lost power. Two punctures in the tanker's hull, 1-foot-by-2-foot and 1-foot-by-6-foot in size, later were confirmed by Coast Guard divers. Over 265,000 Gallons of Venezuelan crude oil spilled into the river. At the time of the spill it was the second largest in United States history to the Exxon Valdez spill in Alaska in 1989.

The spill affected approximately 214 miles of shoreline along the tidal portion of the Delaware River, from the Tacony-Palmyra Bridge, which links northeast Philadelphia to Palmyra, New Jersey, south to the Smyrna River in Delaware. The oil affected numerous birds, marsh vegetation, benthic habitat, and recreation. It also caused the temporary shutdown of Salem Nuclear Power Plant and commercial shipping traffic. It also caused the temporary shutdown of Salem Nuclear Power Plant and commercial shipping traffic.

Under contract with the vessel's deepwater Oil Spill Response Organization (OSRO), Clean Harbors Environmental Services (CHES) mobilized up to 360 people during this cleanup, managed by our internal Event Strike Team. Clean Harbors' responsibilities included vessel dispatch, vessel decontamination, beach cleanup, and shoreline decontamination, marina cleaning, and managing the overall event decontamination area.

Responders utilized CHES facilities in Deptford, NJ and Bridgeport, NJ for staging and logistical support. Clean Harbors managed the vessel dispatch control from one of our Mobile Incident Command trailers in Gloucester City, NJ.

CHES continued working for the USCG after the response was federalized in March, 2005, and completed demobilization in May, 2005.

**BARGE #B-120 SPILL, BUZZARDS BAY, MA – APRIL, 2003****Project Overview:**

On Sunday, April 27, 2003, at approximately 5:00 PM, the Oil Barge B No. 120 reported sheening #6 fuel oil upon approach to the west entrance of the Cape Cod Canal. The barge was carrying approximately 97,000 barrels of oil. The original report estimated that the loss of oil was minimal. Coast Guard over-flights showed a visible sheen 15 miles long by 2 miles wide and a new estimate of 14,700 gallons (350 barrels) oil lost was determined. As the spill progressed, it was later determined that the actual amount of the spill was closer to 100,000 gallons.

Clean Harbors was notified at 6:15 PM and hired by the vessel's Primary Oil Spill Removal Organization (OSRO) to provide containment boom around the barge. The release was contained within the first tide cycle. However, the oil did impact several beaches and islands along the east and west sides of the bay.

The Clean Harbors Event Strike Team was in place on the day of the spill with 65 trained oil spill removal specialists and, at the height of activities, had a total of 813 people working with the U.S. Coast Guard, Mass. Department of Environmental Protection, as well as local governments and some private citizens. Racing the clock in preparation for the large beach crowds on Memorial Day weekend, the crews worked all day and night removing remaining floating oil and restoring many recreational beaches for use.

Buzzards Bay is a very sensitive area that contains numerous fishing and breeding grounds, pristine beaches, recreational activities and several endangered species. One of the challenges faced was protecting an endangered bird species, the Piping Plover. This bird is the size of a tennis ball and there are only 500 pairs left, all residing in Southeastern New England. In cooperation with the Federal and State Wildlife agencies, preventative measures were taken to protect the birds from the oil while their young were being hatched.

Clean Harbors worked in cooperation with the Responsible Party's Primary OSRO and the Coast Guard's Vessel of Opportunity Skimming System (VOSS) to complete open-water skimming operations. Clean Harbors also provided equipment, personal protective equipment and personal safety support through a comprehensive logistics system. This system ensured people in the field had the right tools for the work being performed and prevention of serious injuries, such as dehydration and heat exhaustion.

Supporting this effort, Clean Harbors brought experienced crews in from many of the 38 Field Services Offices and 46 Facilities including; Albany, Boston, Bow, Baltimore, Brooklyn, Chicago, Cincinnati, Deptford, Houston, Prince George, and Wichita. Additionally, Clean Harbors hired a number of subcontractors from around the country to provide OSHA compliant labor support.

The clean-up phase ended in July and the maintenance phase lasted through the summer months. All the beaches were restored to their previous state, or better.

**UNITED STATES POST OFFICE ANTHRAX ATTACK, NEW YORK, NY – SEPTEMBER, 2001****Project Overview:**

On October 31, 2001, Clean Harbors Environmental Services was directed to proceed with emergency Anthrax cleanup at the United States Post Office Morgan facility in New York, New York. This facility is the city's main processing center and employs 5,500 people. Five machines tested positive for anthrax. The initial emergency response work was to be conducted on the third floor in an area of approximately 120,000 sq ft, containing 26 machines. The subject area was bordered to the North by 29th street, to the South by 28th street, to the West by 10th avenue and to the East by an area known as ASM 100.

Pursuant to plans, specifications and safety protocols prepared by an independent consultant, Clean Harbors was responsible for isolation of work areas identified by the Client. Work zone isolation techniques included standard protocol incorporating polyethylene sheeting barriers, warning tape and high volume air movers equipped with HEPA filters. The high volume air movers, also know as negative air machines, were used to maintain negative pressure with the exhaust either run to the building exterior or run to a second machine before discharge into the building interior. In general, all elevated horizontal surfaces and all machine surfaces within the effected areas were initially cleaned with HEPA-filter equipped vacuums. A 0.5% sodium hypochlorite solution was subsequently applied to all surfaces of the machines. Contact time for this solution would be at least 15 minutes. The surface was then neutralized using a sodium thiosulfate and water solution. All machine surfaces were then water washed and ultimately wrapped in polyethylene sheeting. Exterior surfaces of non-porous equipment and floor surfaces in the effected areas were cleaned in the same manner. Air diffuser ducts and the exterior of the HVAC return ducts in the effected area were vacuumed and washed as previously described. All return ducts were then covered using polyethylene sheeting.

In addition to more than 200 other personnel engaged in various support functions associated with recovery efforts, Clean Harbors mobilized approximately 225 people to staff this time-critical project. Technical support teams managed cleanup crews who worked around the clock, seven days per week for over five weeks to restore the city's main processing center to full capacity. Areas of the facility were able to remain functional while crews effectively decontaminated more than 60 machines, 400,000 square feet of floor space and associated ventilation systems. Clean Harbors also managed the transportation and disposal of decontamination-derived wastes and coordinated the overall effort with the client's consultant. Clean Harbors crews decontaminated each facility efficiently and effectively, completing the postal facility project ahead of schedule and under budget without closing it for even one day.

## **WORLD TRADE CENTER TERRORIST ATTACK, SEPTEMBER 11, 2001 – NEW YORK, NY**

### **Project Overview:**

On the morning of September 11, 2001 the United States Homeland suffered the most devastating attack in American history. Four commercial airline flights were hijacked that day. Two of the four crashed into each of the World Trade Center's (WTC) landmark Twin Towers. Clean Harbors was immediately called upon to deploy personnel and equipment to assist local businesses, utility companies, and government agencies in protecting public health, safety and the environment.

Clean Harbors activated one of its Mobile Incident Command Units to lower Manhattan and began dispatching crews to assist in debris removal from various utility manholes located in close proximity to the WTC Twin Towers. Crews were awaiting clearance to proceed from the New York Fire Department when the first tower collapsed.

Clean Harbors crews from around the country were dispatched to our Command Center located near Ground Zero. Clean Harbors' working relationships with several local utility companies as well as emergency response agreements with several Federal Agencies allowed them to play a primary role in the disaster response. New York City's Office of Emergency Management, Federal Emergency Management Agency, and Joint Incident Command System (ICS) recognized Clean Harbors as a leader in the area of environmental emergency response.

Due to wide ranging task assignments, personnel of Clean Harbors reported to several different authorities within ICS. Furthermore, local businesses utilized Clean Harbors to remove and dispose of oily debris from flooded basements and to abate dust from various offices, warehouses and retail stores. Local utility companies employed Clean Harbors to clean manholes potentially contaminated with debris, cable oil, transformer oil and lead. Crews saw-cut trenches to allow for new cable to be installed. Consulting Engineers utilized Clean Harbors' resources to remove petroleum products from various underground storage tanks and pump oil contaminated water through portable treatment systems. Air movers with HEPA filters were deployed to remove debris from neighboring areas as far as a mile away from Ground Zero.

Clean Harbors carried out the New York City Department of Health's requirement to wash and contain runoff from every vehicle leaving Ground Zero, in order to capture any loose debris, dust and potential contaminants that might otherwise escape from the exclusion zone. Portable decontamination pads were installed to contain runoff from the vehicle wash stations set up in the support zone. Additionally, under the direction of the Federal Government, Clean Harbors supported Urban Search and Rescue Teams by obtaining and strategically staging portable wash stations and comfort areas. All response and rescue personnel were able to use hot showers and wash-sinks located throughout the Ground Zero Support Zone. This allowed them to remove any potential inhalant particulates and/or blood-borne pathogens as well as sanitize their respirators for reuse on their next shift.

At the peak of this demanding and extremely emotional project, Clean Harbors deployed in excess of 140 Technicians, Equipment Operators, Foremen and Project Supervisors to the site. Clean Harbors employees drawn from various Response Centers around the country, maintained many wash stations throughout Ground Zero as well as supported the day-to-day efforts of debris removal and utility repair.

While Clean Harbors' Emergency Response Strike Force was fully deployed at Ground Zero, anthrax began to threaten America's health and the environment and Clean Harbors deployed an additional 225 employees strictly for anthrax response. Clean Harbors simultaneous response to the government's call for help at Ground Zero and help in decontaminating anthrax locations in New York City, transformed their already outstanding accomplishment into a truly extraordinary feat. Clean Harbors was called upon to decontaminate the national studios of NBC and CBS, as well as the Morgan Postal Facility in Manhattan, which, with its 5,500 postal employees, moves more mail per day than any other facility in the country.

In summary, within hours after the two airliners struck the World Trade Towers on September 11th, Clean Harbors was on-scene providing comprehensive environmental emergency response services. These services continued to be provided, 24 hours a day, until demobilization orders were received in early April, as the clean-up process neared completion, and served to demonstrate Clean Harbors efficient mobilization, organizational, logistical and operational capabilities and Clean Harbors ability to continue to provide normal emergency and non-emergency services to its regular clients throughout the nation during the emergency.

## **SOUTHSIDE RIVER RAIL TANK COLLAPSE & SALVAGE, CINCINNATI, OH – JANUARY, 2000**

### **Project Overview:**

On January 8, 2000, a one million gallon tank containing liquid nitrogen fertilizer ruptured, emptied 980,000 gallons of material into the concrete/earthen containment wall. The sudden discharge caused the wall to collapse and the bulk of the material flowed through the wall, over the dock barges and into the Ohio River, sending two semi-tractors and debris out into the river.

Clean Harbors personnel arrived on site and deployed 700 feet of containment boom and 100 feet of deflection boom into the Ohio River around the collapsed portion of the containment area. Adjacent to the failed tank were four other one million gallon tanks, containing oils and solvents. The collapse caused major damage to two of the other tanks resulting in extreme concern of additional tank failures.

On site regulatory personnel included the local fire and police departments, Ohio Environmental Protection Agency, United States Environmental Protection Agency, the United States Coast Guard, and the local health department. The United States Environmental Protection Agency requested the Coast Guard National Strike Team to help assist and the Federal Bureau of Investigation arrived on site to do an investigation for possible Year 2000 sabotage (which was later ruled out).

After securing the initial concerns, Clean Harbors continued a 24-hour operation and began pumping out approximately 120,000 gallons of liquid fertilizer from the containment area and transferring the material to another tank.

After review of the situation with the regulatory agencies, it was decided to have Clean Harbors deploy an additional 1,000 feet of containment boom and 200 feet of deflection boom in the river for possible recovery from another tank failure.

Clean Harbors then assisted the responsible party in transferring approximately 3.5 million gallons of the oil and solvent products from the other tanks for storage. Each tank was then cleaned and the waste material placed in a fractionized tank for later disposal.

Clean Harbors then began removal of the semi-tractors from the river. A diver was sent down to locate and hook up the tractors and a barge-mounted crane was used to remove them. Clean Harbors personnel used absorbent pads to soak up fuel oil as the tractors were removed.

Clean Harbors then rinsed down the collapsed tank carcass and the scrap was removed. The containment wall was repaired and then the entire boom was removed from the river.

## **WOOD RIVER REFINING COMPANY PIPELINE SPILL, WOOD RIVER, IL – JANUARY, 1999**

### **Project Overview:**

The responsible party to respond to a diesel fuel pipeline leak in January 1999 activated Clean Harbors' emergency teams. Immediately after receiving the call, three 5,000-gallon vacuum units, a six-man crew with skimmers and containment boom were mobilized and two members of the Clean Harbors' Event Strike Team were flown to St. Louis to assess the situation.

The amount of the release was unknown at that time. However, over the next several hours, Clean Harbors provided sixty 40-hour OSHA trained people to deploy over 2,000 feet of boom and assist in the cleanup. Two 16-foot Pointer workboats and five john boats were deployed from Clean Harbors' Service Centers in the Midwest.

Clean Harbors was assisted by another oil spill response organization with personnel and resources, including a vacuum transfer unit, which was barge mounted, to recover product not easily captured using land based recovery equipment. Clean Harbors acted as the primary contractor and supplied engineering plans for an oil collection system to be placed at the origin of the leak. The plan was implemented and the system prevented further impact on the Mississippi River.

The cleanup lasted for nearly three weeks. Clean Harbors personnel remained on site until decontamination was completed on all deployed equipment.

## **JULIE N. OIL TANKER SPILL, PORTLAND, ME – SEPTEMBER, 1996**

### **Project Overview:**

On Friday, September 27, 1996, the Motor Vessel Julie N, a 560-foot tanker, collided with the "Million Dollar Bridge" in the Fore River area of Portland Harbor. The vessel then proceeded under its own power to the Sprague Dock. The Clean Harbors Event Strike Team personnel responded to the emergency immediately and, working under the line-handling contract with Moran Shipping (the vessel's agent) moored the vessel to the dock and assisted in the booming.

The vessel, which was carrying a primary cargo of diesel fuel, spilled approximately 60,000 gallons of heavy bunker oil from its fuel tanks and approximately 120,000 gallons of the diesel fuel from its cargo tanks into the waters off Portland Harbor. Over the next several hours and days, Clean Harbors, working in cooperation with Clean Casco Bay and other local contractors, as well as Fire Department personnel, responded with nearly 150 OSHA 40-hour trained people, a Mobile Command Center, and a complete Supply and Logistics organization. Additionally, Clean Harbors provided 11 workboats and trained marine operators.

Clean Harbors' Portland, ME personnel were supplemented with Clean Harbors Strike Team personnel from Bangor, ME, Bow, NH, Boston, MA, Providence, RI, New Britain, CT, Albany, NY, Edison, NJ, Philadelphia, PA, Baltimore, MD, Richmond, VA, Charleston, SC, Chicago, IL, Cleveland, OH, Cincinnati, OH and Pittsburgh, PA

Working in cooperation with two National Oil Spill Cleanup Contractors and Response Organization contractors, Clean Harbors assisted in the operation of Oil Spill Response Vessels and VOSS equipment. Within three days, over 700 people were actively engaged in cleaning up the spill and preventing further spillage.

Clean Harbors, in addition to being the primary contractor on site, was also tasked with supplying all other parties with necessary materials and logistics services.

Active cleanup continued until approximately Thanksgiving, at which time, work transitioned from the recovery mode to the maintenance phase. This maintenance work continued for the better part of the winter.

**ANITRA OIL TANKER SPILL, CAPE MAY, NJ - MAY/JUNE, 1996****Project Overview:**

On May 17, 1996, Clean Harbors was called to assist in the recovery efforts of a 40,000-gallon release of #6 grade fuel oil in Delaware Bay from the French Tanker, Anitra. The Anitra was in the process of lightering at the time of the spill (transferring its cargo to smaller vessels with less draft so that cargo could be taken into Delaware Bay).

The initial spill occurred at the mouth of Delaware Bay, but prevailing winds and tidal currents soon drove the product out into the Atlantic Ocean and then onto the 40 miles of New Jersey Coast from Cape May to Brigantine.

Clean Harbors mobilized 75 responders from its Strike Team network along with a Mobile Command Center and Logistics group. Clean Harbors provided both beach clean-up services and logistics support, including portable sanitary facilities, tents and roll-off container services.

Crews were in a race against time to clean the beaches before the traditionally busy Memorial Day weekend. They were successful in this effort, in that the beaches were clean for that important holiday. Crews were available to perform beach maintenance for three weeks after the holiday weekend.

## **NORTH CAPE OIL BARGE SPILL, SOUTH COUNTY, RI – JANUARY, 1996**

### **Project Overview:**

On Friday, January 19, 1996, Clean Harbors' Providence, RI office was informed of a tugboat ablaze in Block Island Sound, south of Point Judith, RI. The crew of the tugboat "Scandia" was abandoning ship. Attached to the tug, by towline, was the barge "North Cape", which was reportedly carrying four million gallons of number 2 fuel oil.

Clean Harbors promptly dispatched a Supervisor and Foreman to the United States Coast Guard station at Point Judith to offer assistance and to help monitor the situation. The Rhode Island Department of Environmental Management (RI DEM) was at the Coast Guard Station when Clean Harbors personnel arrived and a discussion ensued on the immediate issues. The status at that time was that the tug was on fire and the crew had been rescued, but the tug and barge were both adrift and headed towards sensitive barrier beach areas. Local tugs were unable to assist due to heavy weather conditions.

Clean Harbors was requested to assist the RI DEM at the location where the barge was expected to go aground (Moonstone Beach in Narragansett, RI). The barge did, in fact, wash ashore that night and a heavy odor of oil confirmed everyone's suspicions that the cargo was in fact leaking. Due to the forecast of heavy weather until daybreak, cleanup activities were not scheduled to begin until the next morning.

Clean Harbors, along with one of the National Oil Spill Cleanup Contractors and Response Organization's salvage contractor, and the barge owner were tasked with several difficult and specialized operations. In the days following the grounding, the coastal areas from Point Judith to the Quonochontaug Breach way fell under heavy scrutiny. By Saturday the 20th, crews had deployed approximately 6,000 feet of containment boom to protect areas designated "sensitive" on the Area Contingency Plan. Breach ways connecting the coastal ponds to the Atlantic became non-navigable due to the web of lines, booms, and anchors.

Tidal currents in excess of 20 knots forced cleanup crews to wait for tidal shifts in order to set equipment. The tidal shift consisted of a five to ten minute window of opportunity each day. With the assistance from local fire department ice rescue teams, lines were shot across the 75 foot breach using .22 caliber rifles. These lines were then used to set mooring lines in place. Many deflection booms had to be set at angles of 15 degree or less to counteract the high current flows.

An estimated 8,000 feet of absorbent boom and sweep were also deployed within Point Judith Pond, Card Pond, Trustom Pond, Green Hill Pond, Charlestown Pond, and Quonochontaug Pond. Most of this material was set in conjunction with containment booms. However, some absorbents were used by local shell-fishermen to protect private seed beds. Approximately 500 feet of containment boom was deployed at the entrance to the Great Salt Pond on New Shoreham (Block Island), but no oil ever reached "The Block."

A combined effort, involving Clean Harbors and several other contractors working around the clock was required to maintain collection points and deflection booms that were being severely strained by high winds and strong currents. Overall there were approximately 60 people involved with the coastal protection on a daily basis.

More than 20 general utility boats worked in the pond areas for the next week. Although there was substantial oil impact along the barrier beaches, the coastal ponds fared well, and flushed clean within weeks.

## **EAGLE POINT REFINERY, REFINERY SPILL, PAULSBORO, NJ - JULY/AUGUST 1995**

### **Project Overview:**

On July 23, 1995, Clean Harbors was activated by National Response Corporation (NRC) as part of their ICN (Independent Contractors Network) to assist in the clean-up efforts at a spill on the Delaware River at the Coastal Eagle Point facility in Paulsboro, NJ.

A "mini tornado" struck the Norwegian Tanker JAHRE SPRAY as it was discharging a cargo of crude oil at the Coastal Facility. Approximately 84,000 gallons of the product was released into the river when the force of the tornado drove the vessel away from the loading docks, causing the discharge hose to break loose.

Clean Harbors mobilized nearly 150 spill responders from various locations to assist in the cleanup efforts. Clean Harbors also deployed 15 workboats to work on the spill, which affected nearly seven miles of the riverbank. When the job progressed to the maintenance phase, Clean Harbors was able to provide 14 pressure washing units and various absorbent materials to aid in the recovery efforts. All work was performed during one of the worst heat waves ever experienced in the Philadelphia area. The average temperature during this project was over 98 degrees F.

Clean-up efforts continued until the second week of August, at which time the majority of the oil had been cleaned up.

## **MORRIS J. BERMAN BARGE SPILL, OLD SAN JUAN, PUERTO RICO – JANUARY, 1994**

### **Project Overview:**

On Friday, January 7, 1994 between Midnight and 4 a.m., the Morris J. Berman oil barge parted its towline and struck a reef in front of the Escambron Beach area near Old San Juan. The barge was reportedly carrying 35,000 barrels of number 6 fuel oil and proceeded to spill approximately 20,000 barrels of oil (880,000 gallons) during the course of a week as it broke up on the reef. The areas impacted were popular tourist beaches in front of two of the areas more exclusive resort hotels.

The National Response Corporation (NRC), which had an OPA-90 contract with the barge owner, was called at 6 a.m. New York time and immediately began mobilizing equipment and personnel. NRC then called Clean Harbors to assist them in the response and recovery effort.

Two Clean Harbors Supervisors based in Puerto Rico were on site by 9 a.m. January 7th assisting Puerto Rico based NRC personnel as first responders. Clean Harbors then added five Mainland Supervisors on January 8th and within a short time expanded the initial force with up to 20 additional personnel. Clean Harbors was tasked with supervising up to 400 local labor personnel at the height of the spill.

The spill consisted of three phases from an administrative viewpoint and two phases from an operational viewpoint. In the first instance, Clean Harbors worked for NRC who, in turn, worked for the insurance agency representing the barge owners. As the insurance coverage ran out, NRC executed a commercial contract with the Coast Guard and began working directly for them and Clean Harbors continued working for NRC. This phase lasted several more weeks until Clean Harbors began working directly for the Coast Guard under an existing Basic Ordering Agreement (BOA).

Operationally, during these administrative phases, the spill moved in a gradual transition from emergency 24 hr. around the clock response, to planned emergency work which consisted of 10 to 12 hour days cleaning the beach and performing routine maintenance checks.

**BERMUDA STAR OIL SPILL, CAPE COD, MA – JUNE, 1990****Project Overview:**

In June of 1990, Clean Harbors was hired by the owners of the Bermuda Star to provide containment and cleanup services in connection with the grounding of the cruise liner at the entrance of the Cape Cod Canal. Cleanup operations included major booming of the vessel while at anchorage. Other operations included shoreline cleanup of remote offshore islands in the Woods Hole area. This required the use of barges and marine support equipment to handle up to 75 field personnel and handling of oil contaminated debris and barge mounted roll-off containers.

**BT NAUTILUS OIL TANKER SPILL, STATEN ISLAND, NY – JUNE, 1990****Project Overview:**

In June of 1990, Clean Harbors was hired by the owners' representatives of the BT Nautilus to assist in the containment and cleanup of approximately 250,000 gallons of number 6 fuel oil that spilled as a result of grounding in the Kill Van Kull waterway. At the height of the incident, Clean Harbors has over 100 personnel, three vacuum trucks, 15 boats, two vacators, and 8,000 feet of boom on site.

## **WORLD PRODIGY OIL TANKER SPILL, NEWPORT, RI – JUNE, 1989**

### **Project Overview:**

On Friday, June 17, 1989 at 4:40 p.m., the 532 foot oil tanker, World Prodigy, carrying approximately 8.1 million gallons of number 2 home heating oil, struck a submerged reef about one mile south of Newport, Rhode Island in Narragansett Bay. The impact produced a 200-foot long gash, up to 5 feet wide, on one side of the ship and 150 feet of dents, holes and cracks along the other side. Nine of the tankers 23 containment tanks had ruptured releasing 420,000 gallons of oil into the Atlantic Ocean. At the time, it was the worst oil spill to imperil the New England coast in over a decade.

The spill endangered the nearby shoreline, which included numerous beaches, environmentally sensitive salt marshes and coves, and spawning grounds for fish and shellfish. It was also life threatening to sea birds and other coastal wildlife. Clean Harbors' crews and equipment were dispatched within minutes of the accident. By the time notification of the accident was received from state officials, Clean Harbors was already in route to the site.

Less than ninety minutes after the accident occurred, Clean Harbors' crews, workboats, oil transfer equipment, vacuum trucks, and other vehicles and equipment were arriving at the scene to initiate containment activities. A helicopter was also used to speed personnel and supplies from the shore to the spill site. Within hours of the accident, the United States Coast Guard assumed responsibility for emergency operations, and Clean Harbors was appointed as the primary emergency response contractor.

Clean Harbors founder and Chairman, Alan S. McKim was one of the first to arrive at the accident scene and supervised Clean Harbors' cleanup operation from aboard the World Prodigy. By nightfall, the ship was encircled by a ring of containment booms to help prevent the spread of leaking oil and arrangements were made to bring in two barges which would be needed to off-load oil from the crippled tanker.

Additional personnel and equipment were in route and arriving from several Clean Harbors' service centers throughout the Northeast, and by the next morning approximately 150 Clean Harbors employees were at work using oil absorbent pads, high-powered vacuums and skimmers to remove the oil from the water's surface. Absorbent booms ranging from 100 to 3000 feet in length were strung across environmentally sensitive coves and inlets to protect them from contamination and oil off-loading and transfer activities were in full swing.

By Tuesday, June 21st, the primary danger was considered past and Government officials pronounced that the coastline was nearly clear of the threat posed by the oil spill. Clean Harbors personnel, however, remained on the scene and off-loading and cleanup activities continued until the disabled ship was towed away the following week. By this time, there were virtually no remaining visual indications that the oil spill had occurred.

## USCG OSRO RATINGS BY CAPTAIN OF THE PORT (COTP) ZONE

Oil Spill Response Organization (OSRO)  
Clean Harbors Environmental Services (OSRO #13)

Captain of the Port (COTP) Zone	Environment	Facility	Vessel
Baltimore	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Boston - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Buffalo	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Buffalo (Oswego NY)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Charleston	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3,	MMPD, WCD1, WCD2, WCD3
Lake Michigan	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Buffalo	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Corpus Christi - HVP	River/Canal	WCD3	MMPD, WCD2, WCD3
	Inland	WCD3	MMPD, WCD3
Detroit	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Duluth	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
	Great Lakes	WCD2, WCD3	WCD2, WCD3
Guam	Inland	WCD3	MMPD, WCD1, WCD2, WCD3
Hampton Roads	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Houston – Galveston - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD3
Ohio Valley	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Jacksonville	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Jacksonville (Port	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
Canaveral, FL)	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Long Island Sound	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Ohio Valley	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

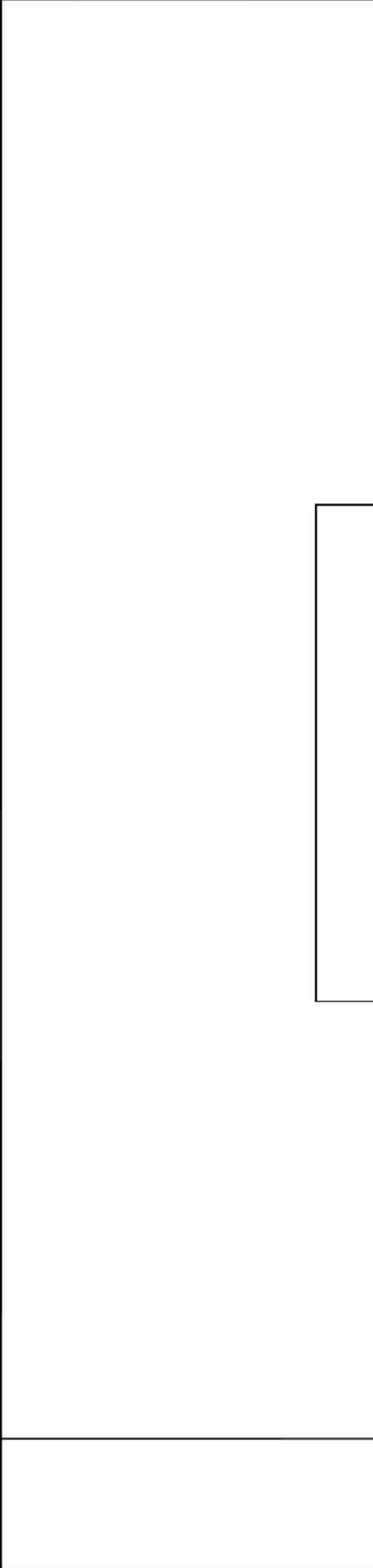
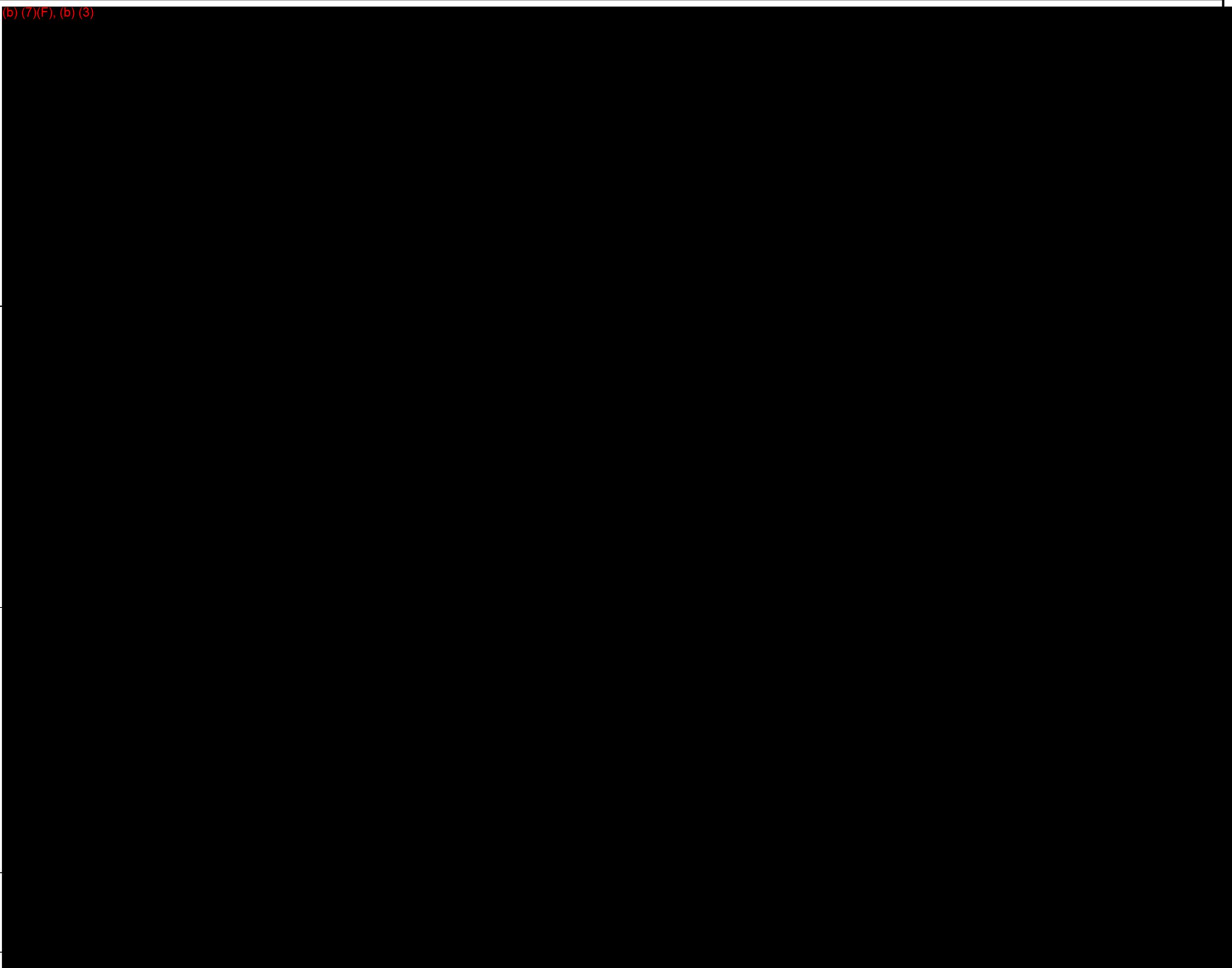
<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Lower Mississippi	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Miami	River/Canal	WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
Lake Michigan	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Mobile	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
Mobile (Panama City, FL)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
Morgan City	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
New Orleans - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD2, WCD3
New York - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Ohio Valley	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Delaware Bay - HVP	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Pittsburgh	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Port Arthur - HVP	River/Canal	MMPD, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	MMPD, WCD3	MMPD, WCD3
Northern, New England	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Portland, OR	River/Canal	WCD3	MMPD, WCD3
	Inland	-	MMPD, WCD3
Portland, OR (Coos Bay, OR)	River/Canal	MMPD, WCD3	MMPD, WCD3
	Inland	-	MMPD
Southeastern New England	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Upper Mississippi	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
San Diego	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD2, WCD3
	Inland	-	MMPD, WCD3
San Juan	River/Canal	WCD3	WCD3
	Inland	WCD3	WCD3
Sault Ste. Marie	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Sault Ste. Marie (Alpena, MI)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3

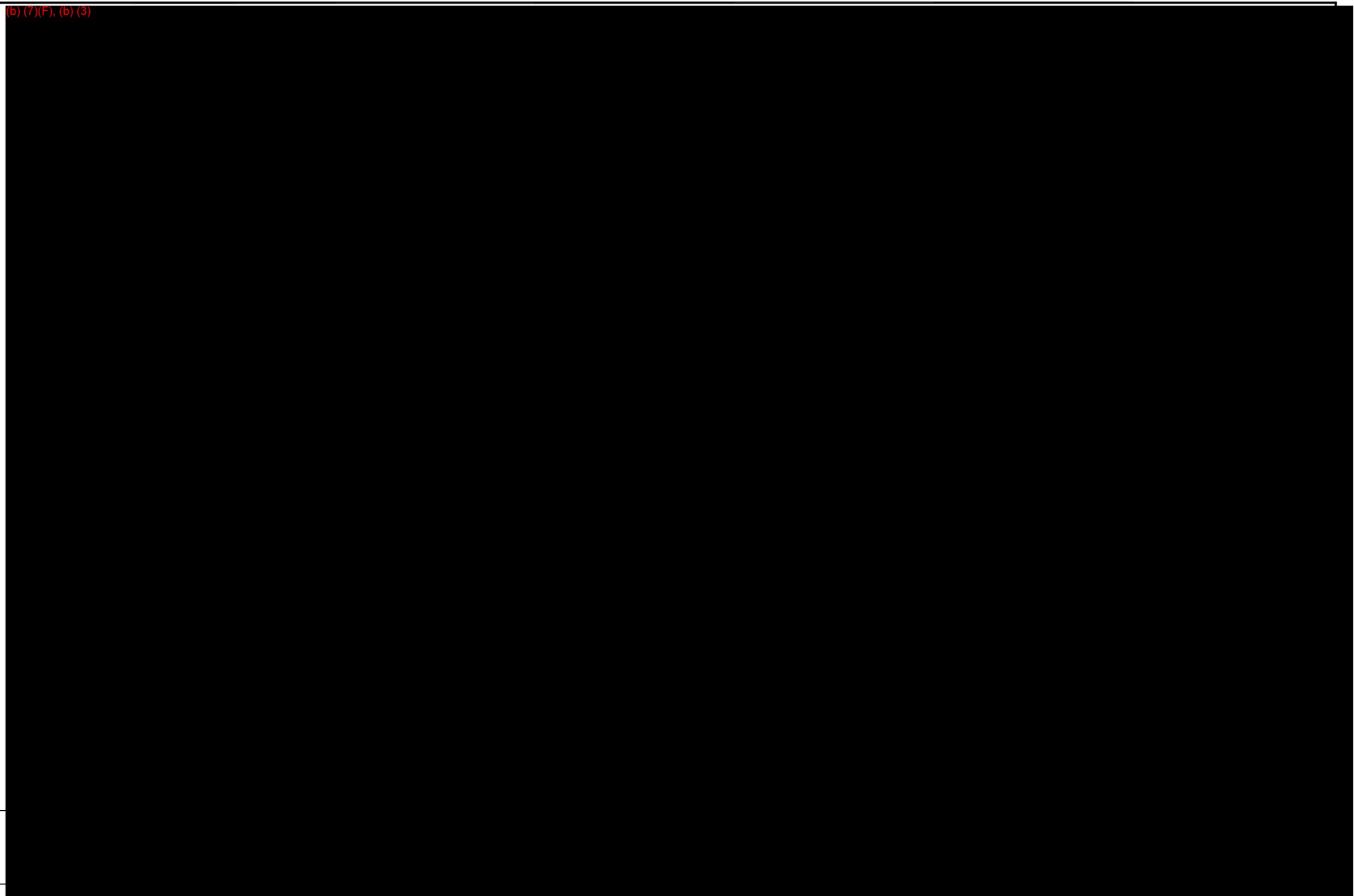
<b>Captain of the Port (COTP) Zone</b>	<b>Environment</b>	<b>Facility</b>	<b>Vessel</b>
Sault Ste. Marie (Marquette, MI)	River/Canal	WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
	Great Lakes	WCD2, WCD3	WCD2, WCD3
Sault Ste. Marie (Traverse City, MI)	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	WCD2, WCD3	MMPD, WCD2, WCD3
Savannah	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
St. Petersburg	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD2, WCD3
Detroit	River/Canal	MMPD, WCD1, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Great Lakes	MMPD, WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
Cape Fear River	River/Canal	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3
	Inland	WCD2, WCD3	MMPD, WCD1, WCD2, WCD3



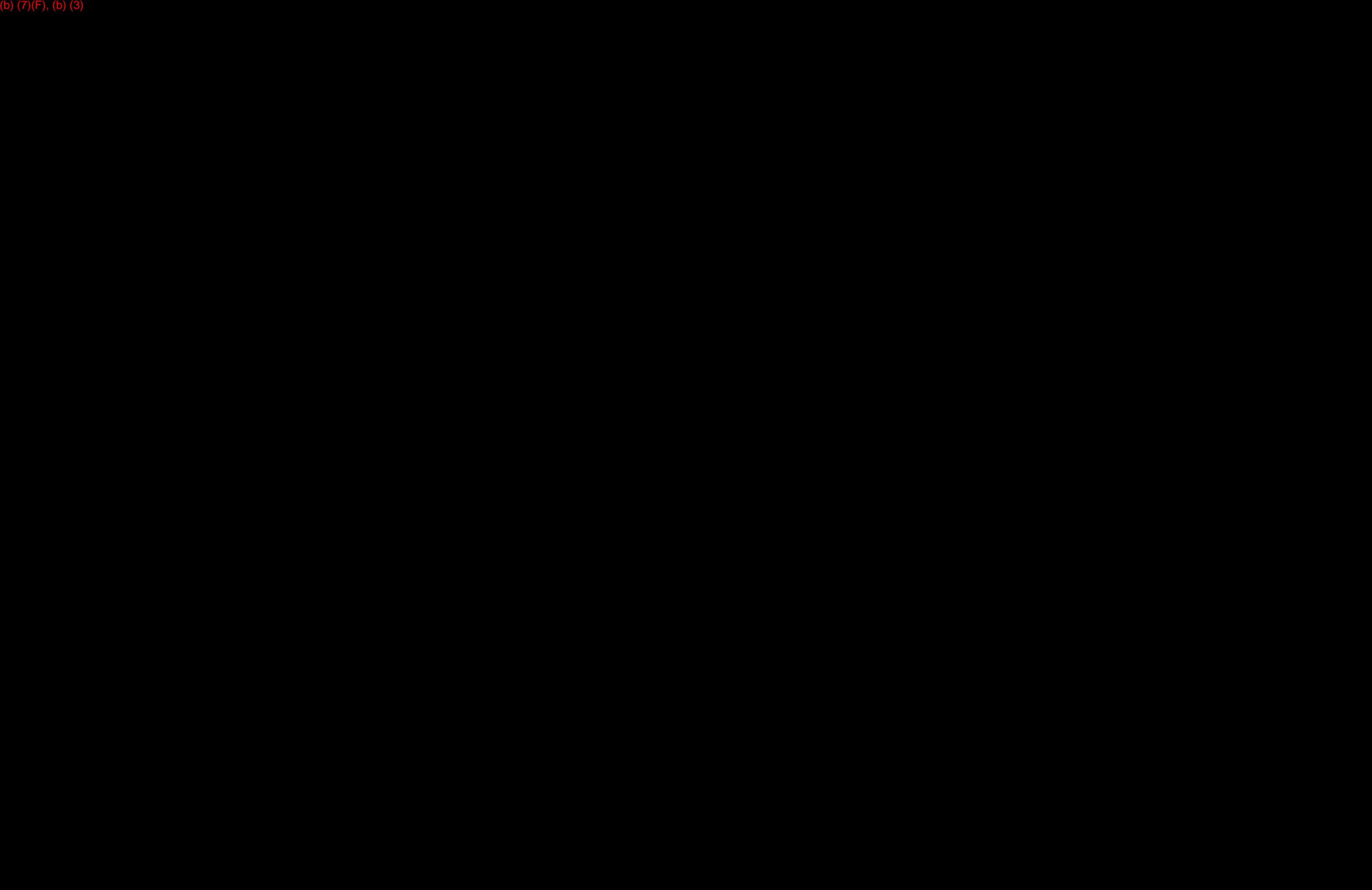
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(b) (7)(F), (b) (3)

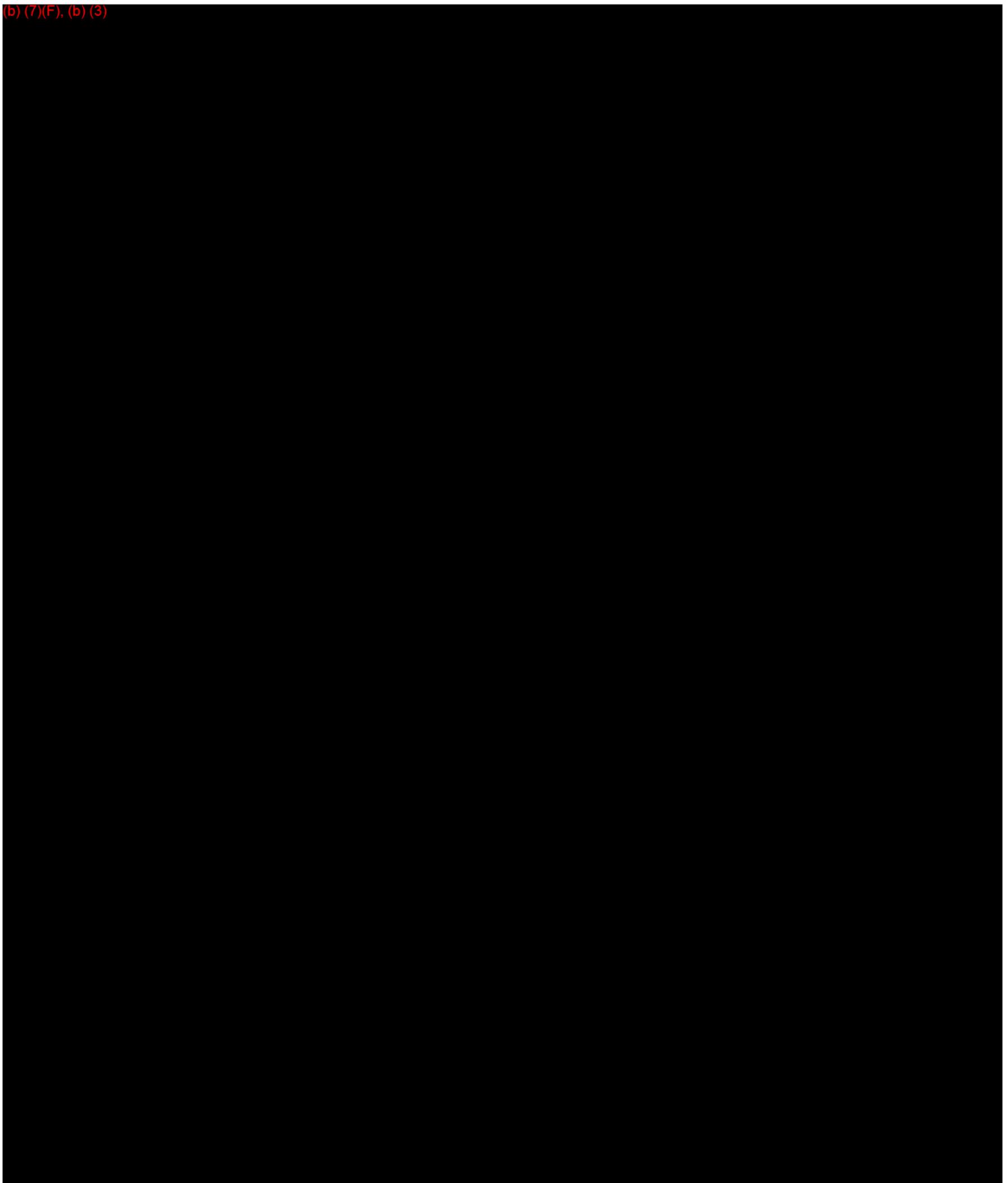


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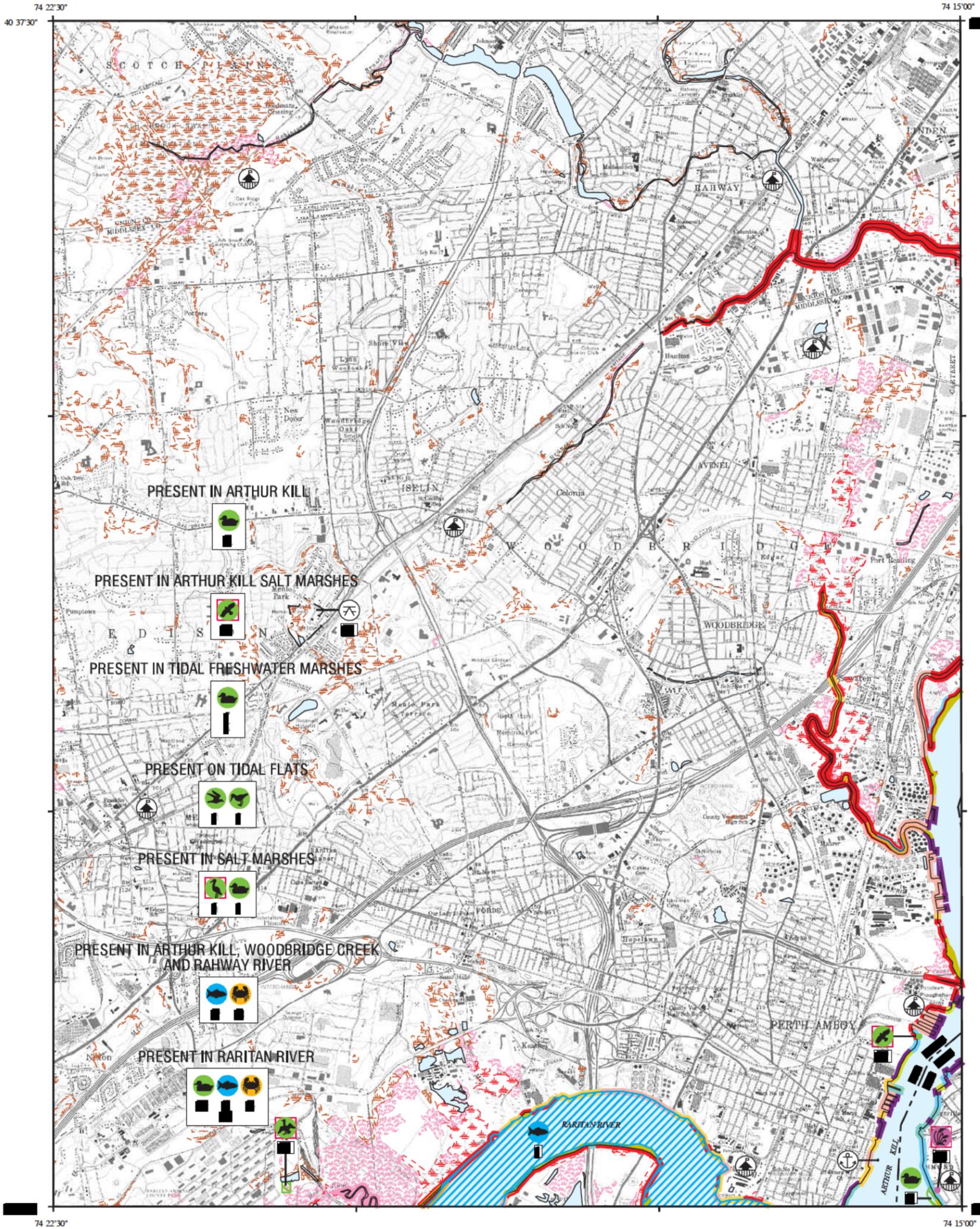
# ENVIRONMENTAL SENSITIVITY INDEX MAP

(b) (7)(F), (b) (3)

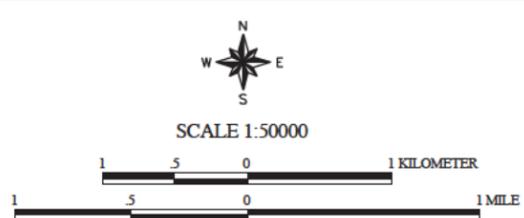


<p><b>SHORELINE HABITATS (ESI)</b></p>			<p>SCALE 1:50000</p>	
<ul style="list-style-type: none"> <li>1A EXPOSED ROCKY SHORES</li> <li>1B EXPOSED, SOLID MAN-MADE STRUCTURES</li> <li>2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK</li> <li>2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS</li> <li>3A FINE-TO MEDIUM-GRAINED SAND BEACHES</li> <li>4 COARSE-GRAINED SAND BEACHES</li> <li>5 MIXED SAND AND GRAVEL BEACHES</li> <li>6A GRAVEL BEACHES</li> <li>6B RIPRAP</li> <li>7 EXPOSED TIDAL FLATS</li> <li>8A SHELTERED ROCKY SHORES</li> <li>8B SHELTERED, SOLID MAN-MADE STRUCTURES</li> <li>8C SHELTERED RIPRAP</li> <li>9A SHELTERED TIDAL FLATS</li> <li>9B SHELTERED VEGETATED LOW BANKS</li> <li>10A SALT-AND BRACKISH-WATER MARSHES</li> <li>10B FRESHWATER MARSHES</li> <li>10C SWAMPS</li> <li>10D SCRUB-SHRUB WETLANDS</li> </ul>	<p>Not For Navigation Published: October 2001</p> <p>Published at Seattle, Washington National Oceanic and Atmospheric Administration National Ocean Service Office of Response and Restoration Hazardous Materials Response Division</p>			

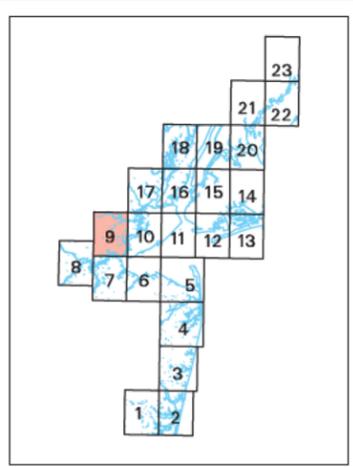
# ENVIRONMENTAL SENSITIVITY INDEX MAP



- SHORELINE HABITATS (ESI)**
- 1A EXPOSED ROCKY SHORES
  - 1B EXPOSED, SOLID MAN-MADE STRUCTURES
  - 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
  - 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS
  - 3A FINE-TO MEDIUM-GRAINED SAND BEACHES
  - 4 COARSE-GRAINED SAND BEACHES
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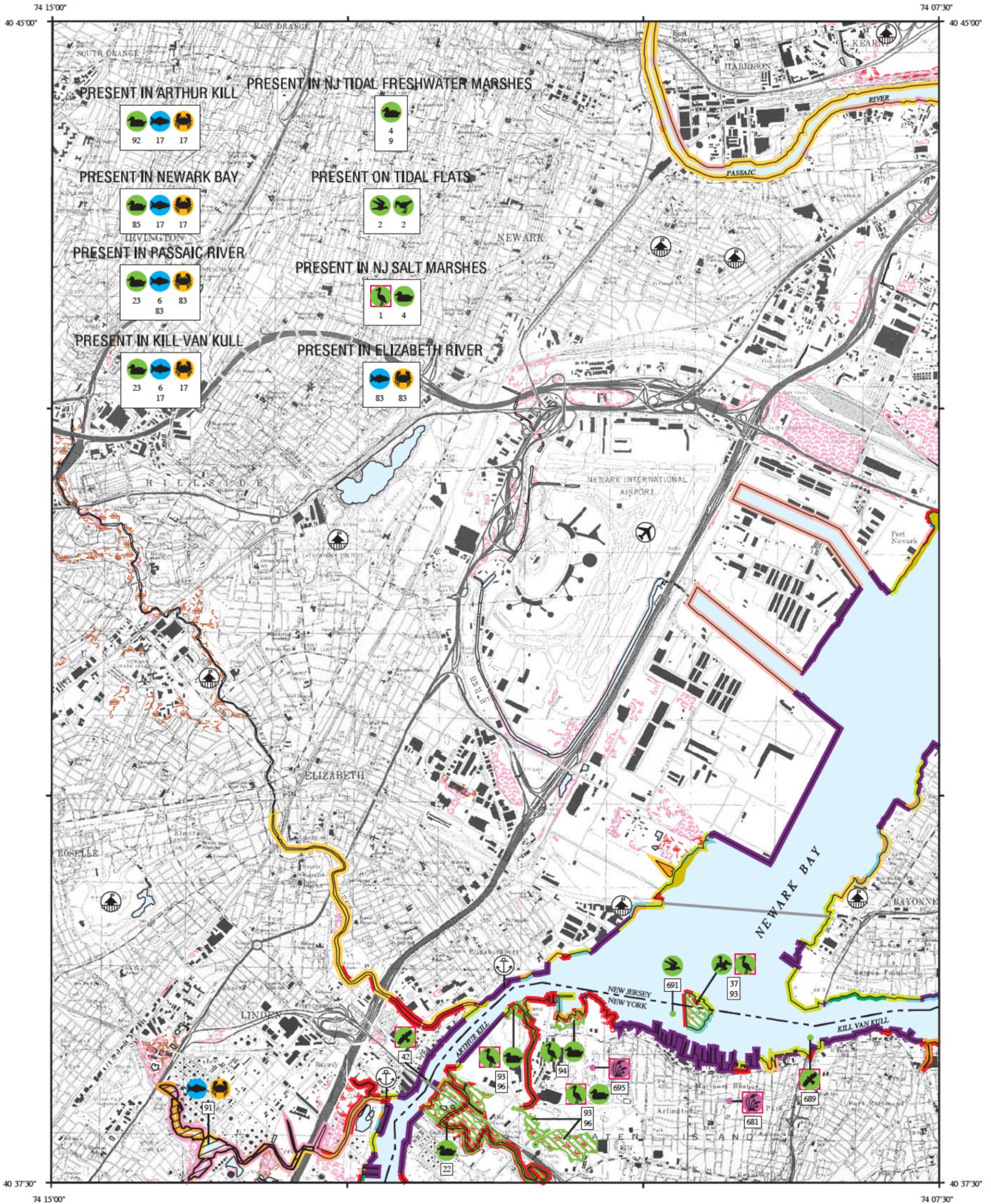


# ENVIRONMENTAL SENSITIVITY INDEX MAP

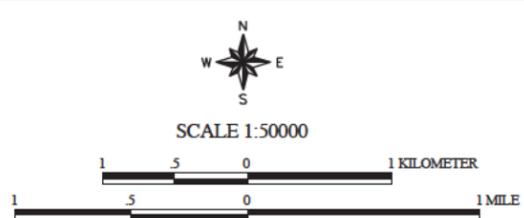
(b) (7)(F), (b) (3)

<p><b>SHORELINE HABITATS (ESI)</b></p>			
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: purple; margin-right: 5px;"></span> 1A EXPOSED ROCKY SHORES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightpurple; margin-right: 5px;"></span> 1B EXPOSED, SOLID MAN-MADE STRUCTURES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: blue; margin-right: 5px;"></span> 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; margin-right: 5px;"></span> 2B SCARPS AND STEEP SLOPES IN MUDDY SEDIMENTS</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: cyan; margin-right: 5px;"></span> 3A FINE-TO MEDIUM-GRAINED SAND BEACHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightcyan; margin-right: 5px;"></span> 4 COARSE-GRAINED SAND BEACHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: teal; margin-right: 5px;"></span> 5 MIXED SAND AND GRAVEL BEACHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: green; margin-right: 5px;"></span> 6A GRAVEL BEACHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; margin-right: 5px;"></span> 6B RIPRAP</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; margin-right: 5px;"></span> 7 EXPOSED TIDAL FLATS</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightorange; margin-right: 5px;"></span> 8A SHELTERED ROCKY SHORES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: peachpuff; margin-right: 5px;"></span> 8B SHELTERED, SOLID MAN-MADE STRUCTURES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yelloworange; margin-right: 5px;"></span> 8C SHELTERED RIPRAP</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; margin-right: 5px;"></span> 9A SHELTERED TIDAL FLATS</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: darkorange; margin-right: 5px;"></span> 9B SHELTERED VEGETATED LOW BANKS</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: red; margin-right: 5px;"></span>  10A SALT-AND BRACKISH-WATER MARSHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: pink; margin-right: 5px;"></span>  10B FRESHWATER MARSHES</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: darkred; margin-right: 5px;"></span>  10C SWAMPS</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: brown; margin-right: 5px;"></span>  10D SCRUB-SHRUB WETLANDS</li> </ul>	<p style="text-align: center;"> <b>Not For Navigation</b>                  Published: October 2001                  Published at Seattle, Washington                  National Oceanic and Atmospheric Administration                  National Ocean Service                  Office of Response and Restoration                  Hazardous Materials Response Division             </p>		

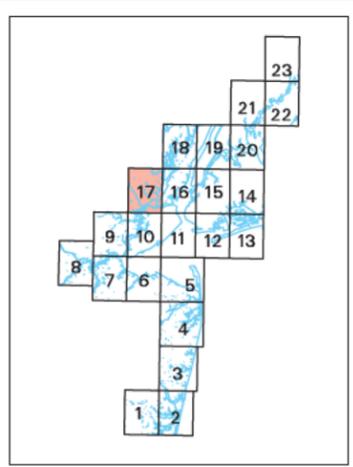
# ENVIRONMENTAL SENSITIVITY INDEX MAP



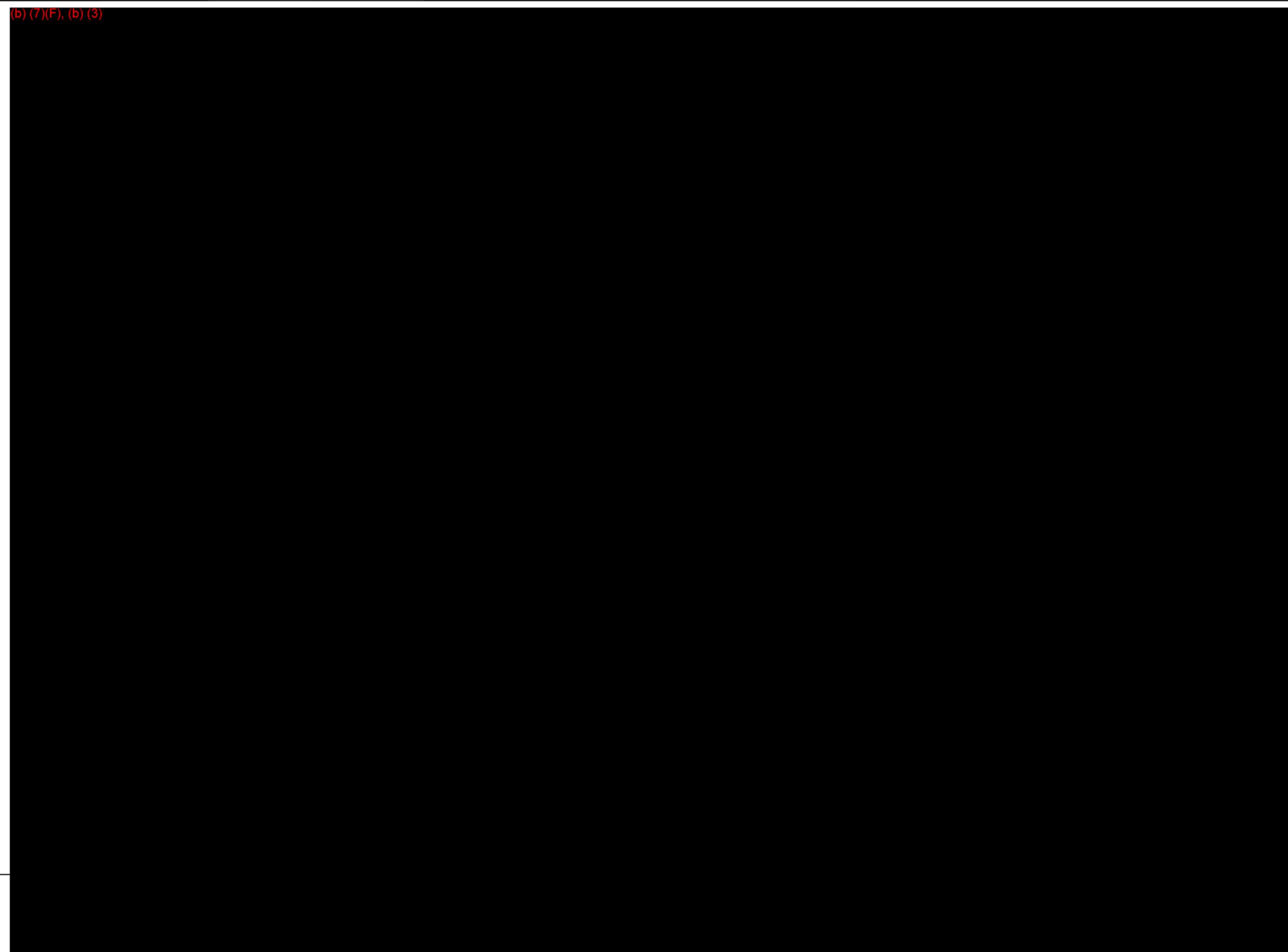
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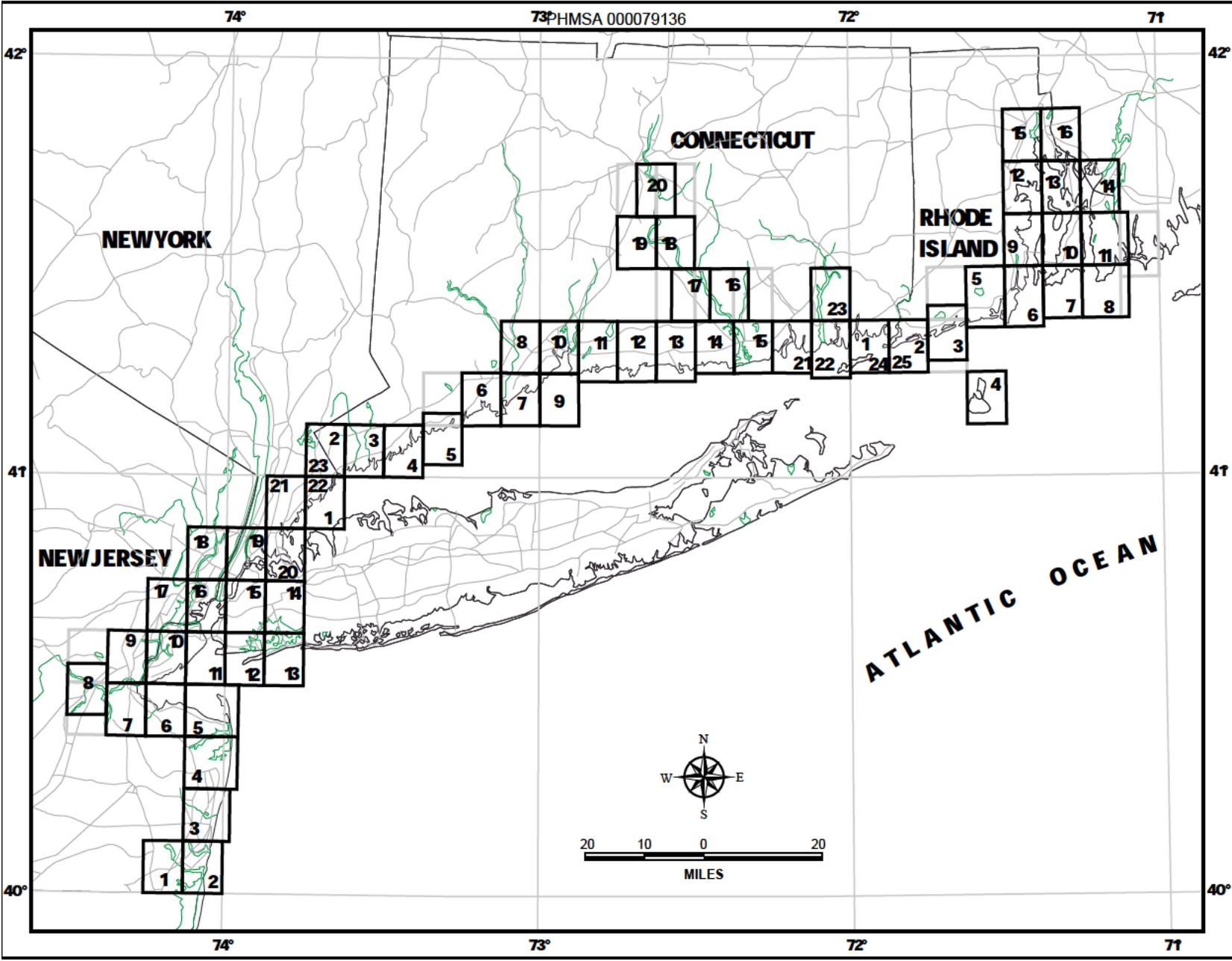
(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)

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# CT/NY/NJ/RI ATLAS

## Legend Files

- Connecticut Legend
- New York/New Jersey Legend
- Rhode Island Legend





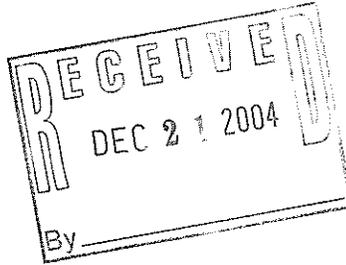
# CITGO Petroleum Corporation

**Ship To:**

Valid for all CITGO locations for the purchasing organization (4000)  
Terminal & Pipeline, unless the plant is specified on the line items  
below.

**Contract for Services**
**4600004249**
**Supplier:**

MILLER MARINE  
FOOT OF SOUTH WOOD AVE  
LINDEN NJ 07036

**Date:** 11/23/2004**Contact Person:** Harvey, Deborah**Telephone:** 918-495-5691**Bill To:**

P.O.Box 21188  
Tulsa, OK 74102-1188

**Note:**

Default Tulsa address unless specified  
differently on individual PO

**Supplier No:** 802708**Ship Via:****Terms of Delivery:** F.O.B. Destination, Freight Allowed**Terms of Payment:** Within 30 days Due net**Valid from:** 11/23/2004**Valid to:** 11/23/2009**Currency:** USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
0001	1	Lot	Provide spill boom deployments and repai		
1	1	LOT	The above item contains the following services: Unplanned		
Note:			<p>Service Contract</p> <p>1. THIS CONTRACT IS HEREBY MADE BY AND BETWEEN:</p> <p>A. CITGO Petroleum Corporation Address: P. O. Box 3758 Tulsa, OK 74102</p> <p>hereafter called the "Company" and</p> <p>B. Miller Marine, Inc. Address: Pier 7 1/2 Staten Island, NY 10301</p> <p>hereafter called the "Contractor".</p> <p>The Company and Contractor may be referred to jointly or individually as a "Party".</p> <p>2. SCOPE OF WORK ("Work"): Contractor shall provide all labor,</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**
**Currency: USD**

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>supervision, equipment, machinery (fully maintained and operational), material (except for those items to be furnished by Company), small tools, consumable supplies, safety equipment, personnel protection, transportation, temporary facilities and all other items of expense required to provide spill boom deployments for vessels and spill boom repair as needed at various Terminal locations, directed by Company personnel, to meet regulatory requirements.</p> <p>The Company may from time to time assign performance of specified Scopes of Work to the Contractor to be performed under this Contract. Each Scope of Work will be separate and independent of all other Scopes of Work.</p> <p>The Contractor may decline any assigned Scope of Work for cause by written notice given within three (3) working days after the assignment is received.</p> <p>Scopes of Work will be assigned by a Work Purchase Order or Work Release, hereinafter called "Purchase Order". Each Purchase Order will be subject to all the generally applicable terms and conditions of this Contract. Purchase Orders will be prepared and issued in accordance with terms and conditions of Exhibit "C", Section 9.</p> <p>The Scope of Work will include all quality assurance, field tests and inspections required by good petroleum refinery industry practice to ensure that the Work complies with the terms and conditions of all the Contract Documents, unless more stringent quality assurance and field testing are required elsewhere in this Contract.</p> <p>3. <b>CONTRACT DOCUMENTS:</b>            These Articles and the following are a complete and exclusive listing of Contract Documents:</p> <ol style="list-style-type: none"> <li>1) Exhibit A-1 General Terms and Conditions</li> <li>2) Exhibit B-1 Insurance and Indemnity</li> <li>3) Exhibit C Compensation</li> <li>4) Exhibit D Contractor Injury/Illness</li> </ol>		



# CITGO Petroleum Corporation

Supplier No.: 802708

<b>Contract for Services</b> <b>4600004249</b>
---

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>Report</p> <p>5) Exhibit E Invoice Summary Sheet</p> <p>6) Exhibit F Contractor's Time and Material Rate Sheet</p> <p>Hereafter, jointly referred to as the "Contract Documents". Terms and conditions of the Articles appearing in this Contract Document will control in the event of an irreconcilable conflict with terms and conditions of any other Contract Document. Other Contract Documents will have the same priority in the event of an irreconcilable conflict as the order in which they are listed above. No document, amendment or writing provided by Contractor will cause another Contract Document to supersede these Articles or any other Contract Document, whether in whole or in part, except as provided herein.</p> <p>4. TERM: The term of this Contract shall be effective as of November 23, 2004 through a period of time ending November 23, 2009. The term of each Purchase Order will run as specified therein or, if the term is not specified from the Purchase Order date until the assigned Scope of Work has been completed to the Company's reasonable satisfaction. The Company may terminate any Purchase Order at any time by written notice in accordance with Contract provisions for termination.</p> <p>Contractor may terminate a Purchase Order for cause only. Cause will include, without limitation, failure of the Company to comply with terms and conditions applicable to the Purchase Order. Contractor shall give the Company thirty (30) days prior written notice of its intent to terminate the Contract and a reasonable description of the cause for termination. The Contractor may thereafter terminate the Purchase Order if the Company fails to satisfactorily remedy the cause; provided, that the Contractor may not terminate the Contract under the first notice of intent if more than sixty (60) days have run since the date of</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>said notice.</p> <p>5. <b>COMPENSATION:</b>  Time and Materials Payment Description:  Company agrees to pay Contractor for all costs and expenses incurred by Contractor in connection with the complete, satisfactory and timely performance of the Work pursuant to all requirements contained in this Contract in accordance with the firm lump sum amount specified on the Purchase Order for each specific section of the Work authorized, or in accordance with the reimbursable rates set forth in Exhibit .F. attached hereto and made a part hereof. Said reimbursable rates shall remain firm for the initial one (1) year Term of this Contract and shall be reviewed as necessary on the anniversary of the Effective Date thereafter. Subsequent changes to the reimbursable rates shall be acknowledged by Company in the form of a Change Order to this Contract.</p> <p>6. <b>INVOICES:</b>  All invoices for Time and Material Work shall include an Invoice Summary Sheet similar to that set forth in Exhibit "E" hereof. Invoices submitted without such Invoice Summary Sheet will be returned unpaid to the Contractor for correction.</p> <p>Invoices shall be submitted to the following address:  <b>INVOICES TO THE COMPANY:</b>  As indicated on individual release orders</p> <p>7. <b>AUTHORIZED REPRESENTATIVES AND KEY PERSONNEL:</b>  1) Company Authorized Representative or Project Manager: William W. Sousa, Jr.  Contractor Authorized Representative: Marilyn A. Miller</p> <p>8. <b>NOTICES:</b>  All Notices or other communications required or permitted by this Contract will be</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>sufficiently given if in writing and mailed by registered or certified mail, return receipt requested, to the following addresses:</p> <p><b>TO THE COMPANY AS FOLLOWS:</b>            To the Purchasing Department            CITGO Petroleum Corporation            P. O. Box 3758            Tulsa, OK 74102-3758            Attn: Debbie Harvey</p> <p><b>TO THE CONTRACTOR AS FOLLOWS:</b>            Miller Marine, Inc.            Pier 7 1/2            Staten Island, NY 10301</p> <p>or other address(es) as hereafter furnished, as provided in this Article. Notices shall be effective upon receipt at the designated address(es).</p> <p>9. <b>REPORTING REQUIREMENTS:</b>            Contractor shall submit Contractor Injury/Illness reports as required by Company. Such reports shall be in a format similar to Exhibit "D" hereof and shall provide the number of man-hours worked on Company property and details of any incidents/accidents as required by OSHA guidelines.</p> <p>10. <b>SPECIAL TERMS AND CONDITIONS:</b>            (a) Effective September 1, 1997, for services provided within the boundaries of the State of Louisiana and for services that are subject to Louisiana Law, Contractor agrees and recognizes that the Company shall be statutory Employer of all Contractor personnel assigned to provide Services under this agreement or to administration of the Services provided under this Agreement in accordance with the requirements of Louisiana Revised Statutes R. S. 1061A (3).</p>		



# CITGO Petroleum Corporation

Supplier No.: 802708

**Contract for Services**  
**4600004249**

Currency: USD

Item	Target Qty.	Unit	Description	Unit Price	Total Price
			<p>ACCEPTED AND AGREED BY: "Contractor"</p> <p>Miller Marine, Inc.</p> <p><i>[Signature]</i> (Signature)</p> <p>Name: <u>Glen Miller</u> Title: <u>President</u> Date: <u>12/15/04</u></p> <p>"Company"</p> <p>CITGO PETROLEUM CORPORATION</p> <p><i>[Signature]</i> (Signature)</p> <p>Name: Debbie Harvey Title: Field Purchasing Agent Date: November 23, 2004</p>		

2005 OSRO PREP DOCUMENTATION  
MILLER'S LAUNCH, INC.  
PERSONNEL

NAME	TITLE	NAME	TITLE
AUTIN	MARINE PERSONNEL		
AYBAR	MARINE PERSONNEL	MATEUS	JOSE
BALETTI	MARINE PERSONNEL	MATOS	AMILCAR
BASURTO	MARINE PERSONNEL	MCCAHAY	RICHARD
BASURTO	MARINE PERSONNEL	MCCLOUGHLIN	JOHN
BASURTO	MARINE PERSONNEL	MEENDOZA	RAUL
BENNIS	FOREMAN	MERLO	PETE
BOGAN	MARINE PERSONNEL	MILLER	GLEN
CADAMURO	MARINE PERSONNEL	MOORE	STEPHEN
CAMERON	MARINE PERSONNEL	O'HARE	TED
CHADDEE	MARINE PERSONNEL	PALIN	JASON
CICERO	MARINE PERSONNEL	PERINA	RON
COLE	MARINE PERSONNEL	PLESCIA	JOE
CRISCI	MARINE PERSONNEL	SAMA	ANTHONY
CURCIO	FOREMAN	SARCONI	RALPH
DASKALAKIS	FOREMAN	SCHNEIDER	WILLIAM
DIGICCO	MARINE PERSONNEL	SILVA	DAVID
DUGGAN	MARINE PERSONNEL	SMITH	HAROLD
FRANCIS	MARINE PERSONNEL	SMITH	MAQUAVIAL
GARCIA	MARINE PERSONNEL	SOMES	WAYNE
GRANBERG	MARINE PERSONNEL	STEINFELD	MIKE
GRODESKA	SUPERVISOR	SULLIVAN	JOHN
HOERNING	MARINE PERSONNEL	TURI	JOSEPH
HIDE	FOREMAN	VAN BATAVIA	SVEN
KABAK	MARINE PERSONNEL	VASQUEZ	BILL
LAPERUTA	MARINE PERSONNEL	VISCONTI	
LEE	MARINE PERSONNEL		
LOMBARDI	MARINE PERSONNEL		

ALL MARINE PERSONNEL ARE 40 HOUR HAZWOPER TRAINED AND ALL FOREMAN AND SUPERVISORS ARE 48 HOUR TRAINED  
(40 + 8 HOUR SUPERVISOR TRAINED) AND HAROLD SMITH & MIKE GRODESKA ARE P.I.C. TRAINED

DATE	DRILL/SPILL	CLIENT	LOCATION	SKIMMER TYPE	QUANTITY	BOOM TYPE	QUANTITY
12/16/2004	Spill	United Oil Recovery	14th St, NYC			18" containment	100 ft.
12/20/2004	Drill	MSRC	Edison, NJ				
1/8/2005	Spill	NRC	Reinauer	MEG 3000 Disk	1	18" containment	1,000 ft.
			Barge \$30	Skid Mounted	2		
1/10/2005	Spill	Reinauer	Barge \$30			18" containment	1,200 ft.
1/19/2005	Spill	Neptune Marine Svs.	Marmaroneck			18" containment	200 ft.
2/10/2005	Spill	Miller Environmental	Paulsboro NJ			18" containment	2,500 ft.
2/17/2005	Drill	MSRC	NJ Responder				
2/17/2005	Spill	Conoco Phillips	Bayway Refinery				
3/21/2005	Spill	Reinauer	Fed. Terminal	Skid Mounted	1		
				MEG 3000 Disk	1		
3/24/2005	Spill	NRC	Motiva	Skid Mounted	2		
				MEG 3000 Disk	1		
4/22/2005	Boom Dplymt	D'Onofrio	Manhattan			18" containment	1,000 ft.
4/28/2005	Spill	Miller Environmental	B-35				
5/8/2005	Boom Dplymt	Shell Trading	Jill Jacob/E-8001			18" containment	1,000 ft.
5/10/2005	Drill	Miller Environmental	Sun Oil				
5/11/2005	Boom Dplymt	Mill Metals	Perth Amboy			18" containment	900 ft.
5/25/2005	Boom Dplymt	MLS USA	JFK Aircraft Carrier			18" containment	2,000 ft.
5/28/2005	Drill	MSRC	NJ Responder				
6/7/2005	Spill	Heating Oil Ptns	Bronx, NY				
6/9/2005	Spill	Arner. Petroleum Trans.	Pilot Station				
6/30/2005	Drill	Miller Environmental	Astoria, Queens				
7/11/2005	Spill	McAllister Towing	McAllister Yard, SI				
7/27/2005	Spill	NY Waterways	Yard				
7/28/2005	Drill	MSRC	NJ Responder				
7/30/2005	Spill	P&O Pass. Ship Term.	Cruise Ship Triumph				
8/3/2005	Drill	MSRC	NJ Responder				
8/3/2005	Spill	MEGUSCG	Port Newark - APM			18" containment	4400 ft.
9/22/2005	Boom Dplymt	Mill Metals	Arthur Kill Work Site			18" containment	103 ft.
9/23/2005	Boom Dplymt	Special Olympics	South St. Seaport			18" containment	1500 ft.
10/2/2005	Spill	Mediterranean Shipping	Berth 68 Maher Term			18" containment	503 ft.
10/6/2005	Drill	Miller Environmental	DBRC Drill				
10/14/2005	Spill	Getty Oil	Newtown Creek			18" containment	203 ft.
10/19/2005	Spill	ECM Maritime Svs.	Port Newark				

2005 OSRO PREP DOCUMENTATION  
MILLERS LAUNCH, INC  
EQUIPMENT

AMOUNT	DESCRIPTION	AMOUNT	DESCRIPTION
1,000 Ft.	48" Oil Containment Boom	6	Carnel - Work Platform Float
10,000 Ft.	8" Oil Containment Boom	1	Boom Trailer w/2000' 18" containment boom
1	MEG 5000 Disk Skimmer	1	Portable 2 Drum Winch
1	MEG 3000 Disk Skimmer	2	25'x3' Gangways & Browns
1	MEG 1000 Disk Skimmer	1	Portable Air Compressor
1	1/8 yd Capacity Clamshell Bucket	6	Self-Contained Breathing Apparatus
1	750 gal Skid Mount Vacuum Unit	2	Man Baskets
1	500 gal Skid Mount Vacuum Unit	11	Fenders
2	100 Barrel Portable Bladder (Sea Slug)		3 - 8'x4-1/2'
8	High Pressure Portable Steam Power Washers		4 - 6'x3-1/2'
2	4" Diesel Trash Pumps with hoses		3 - 4'x6-1/2'
3	3" Diesel Trash Pump with hoses		1 - 9'x6'
2	2" Hydraulic Transfer Pumps with hoses	1	1,000 gallon portable fuel tank (diesel or gas)
6	2" Diesel Trash Pumps with hoses		
10	1" Electric Submersible Pump		
1	5kw Diesel Portable Generator	1	5kw Gasoline Generator
1	6kw Diesel Portable Generator	1	Command Response Trailer
1	6 Ton Diesel Forklift	1	AMPD Trailer (Skimmer, 500' Boom & 100 lbi Bladder)
1	Hydraulic Power Pack - 45 gpm @ 2600 psi max	1	Spill Response Trailer (1,000' 18" Boom & sorbents)
2	Hydraulic Portable Power Pack - 12 gpm @2250	1	Air/Cascade System
2	Portable Arc Welding Machines	4	500 gallon portable storage containers
2	Cutting Torch sets		
20,000 Ft.	Assorted sorbents		
40	Portable Nextel Radios		
1	18' Cube Van with Sorbents, Jon Boat & engine		
1	40' Truck with Sorbents, Jon Boat, Engine & Hot Water High Pressure Washer		
5	4x4 Utility Trucks		
2	4x4 Diesel Mule		

2004 OSRO PREP DOCUMENTATION  
MILLER'S LAUNCH, INC.  
VESSELS

SIZE	TYPE	QUANTITY	VESSEL NAME	FUEL	HOLD CAPACITY	BOOM SCREENT	SKIMMER
110	Workboat	1	Sorenson Miller	Diesel		Yes	
100	Workboat	1	Rosemary Miller	Diesel		Yes	
72	Turboat	1	Susan Miller	Diesel		Yes	
65	Workboat	1	Samantha Miller	Diesel	3,000 gal.	Yes	
65	Workboat	1	Miller Girls	Diesel	1,500 gal.	Yes	MEG 3000
65	Workboat	1	Mark Miller	Diesel	2,400 gal.	Yes	MEG 5000
58	Turboat	1	Shawn Miller	Diesel		Yes	
56	Workboat	1	Barbara Miller	Diesel		Yes	
47	Workboat	1	Marguerite Miller	Diesel		Yes	
42	Workboat	1	Anna L. Miller	Diesel		Yes	
40	Workboat	1	Miller Boys	Diesel		Yes	
35	Workboat	1	Julia	Diesel		Yes	
33	Workboat	1	Treacy Miller	Diesel		Yes	
33	Workboat	1	Nicholas Miller	Diesel	500 fl.	Yes	
33	Workboat	1	Emily Miller	Diesel		Yes	
32	Jet Propulsion	1	Karen Miller	Diesel		Yes	
32	Workboat	1	Cecilia Miller	Diesel		Yes	
28	Workboat	1	John Miller	Diesel		Yes	
28	Workboat	1	Denna Miller	Diesel		Yes	
28	Jet Propulsion	1	Erin Miller	Diesel		Yes	
26	Workboat	1	Evan Miller	Diesel		No	
26	Workboat	1	Rachel Miller	Diesel		No	
26	Jet Propulsion	1	Rishie Miller I	Diesel		No	
25	Workboat	1	Timmy Miller	Gas		No	
25	Workboat	1	Patricia Miller	Gas		No	
25	Workboat	1	Sandy Miller	Diesel		No	
25	Workboat	1	Mary Miller	Diesel		No	
25	Workboat	1	Timothy Miller	Gas		Yes	
22	Workboat	1	Megan Miller	Gas		No	
22	Workboat	1	Carol Miller	Gas		No	
18	Tin Boats	10		Gas		No	
1-Ox30'	Barge	1	Self-spunding w/85' strds				
130x30'	Barge	1	Deck Barge				
70x68'	Barge	1	Self-spunding barge				
65x22'	Barge	1	Sectional/stackable barge				
39x53'	Barge	1	40' Self Spuding w/10 ton crane				
20x50'	Barge	1	60' Self Spuding				
30x80'	Barge	1	Deck Barge				
12x25'	Barge	1	Work Barge				
8x25'	Barge	1	Work Barge				



**Don Toenshoff, Jr.**  
**Executive Vice President**

December 21, 2011

Mr. Jimmy Sanders  
 CITGO  
 1293 Eldridge Parkway  
 Houston, TX 77077

Dear Mr. Sanders:

The National Preparedness for Response Exercise Program (NPREP) Guidelines require a response plan holder to ensure that Equipment Deployment Exercise requirements are met on an annual basis. The NPREP Guidelines identify the minimum amount of equipment that must be deployed in Equipment Deployment Exercises.

This letter provides documentation to you that MSRC has completed the NPREP Equipment Deployment Exercise requirements for 2011. For purposes of Equipment Deployment Exercises under NPREP, each MSRC Region (including both the Atlantic and Gulf Areas for the Atlantic/Gulf Region) is considered a separate Oil Spill Removal Organization (OSRO). MSRC is divided into three Regions, Atlantic/Gulf (Maine – Texas, including the Mid-Continent, Puerto Rico and the U.S. Virgin Islands), California (self-explanatory) and Pacific/Northwest (Washington, Oregon and Hawaii). MSRC has deployed, at a minimum, the NPREP required amounts of each type of boom and one of each type of skimming system in the applicable regional inventory. This equipment has been deployed, if required, in each of the three types of operating environments listed in NPREP ("River & Canal", "Inland", and "Ocean"). Each of the three MSRC Regions (plus the Atlantic and Gulf Areas separately) has met these equipment deployment requirements in 2011. In addition, each Region has conducted extensive personnel training and has maintained its equipment according to a detailed preventative and corrective maintenance schedule.

MSRC has an aerial dispersant program, which is comprised of two contracted C-130 aircraft (based in Mesa, AZ and Kiln, MS) and four contracted King Air BE-90A aircraft (based in Concord, CA; Salisbury, MD; Kiln, MS; and San Juan, PR). MSRC's Dispersant Program, including all aircraft, are exercised through internal training and drills.

Documentation and records of the specific information relating to MSRC Equipment Deployment Exercises and Equipment Maintenance records are maintained in each MSRC Region. Additionally, highlights of when each MSRC Region satisfied the equipment deployment requirements are available on the MSRC website ([www.msrc.org](http://www.msrc.org)) in the Customer Access section.

Please feel free to contact the MSRC regions directly or me at (703) 326-5610 for additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Toenshoff", is written over the "Sincerely," text. The signature is fluid and cursive, with a large initial "D" and "T".

NEW YORK/NEW JERSEY ESIMAP 7

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X	X					
	Glossy ibis						X	X	X	X	X	X	X	X	X						
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X					
	Great egret						X	X	X	X	X	X	X	X	X						
	Little blue heron						X	X	X	X	X	X	X	X	X						
	Snowy egret						X	X	X	X	X	X	X	X							
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X							
2	Gulls					X	X	X	X	X	X	X	X	X	X	X					
	Shorebirds						X	X	X	X											
	Terns						X	X	X	X	X										
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
14	Black-capped petrel				VERY RARE	X	X	X	X												
	Common loon	NY	S	S		X	X	X	X												
	Greater scaup					X	X														
	Lesser scaup					X	X	X							X	X	X				
	Northern gannet					X	X	X	X						X	X					
	Red-throated loon					X	X	X	X						X	X	X				
23	American black duck					X	X	X							X	X	X				
	American wigeon					X	X	X							X	X	X				
	Bufflehead					X	X	X							X	X	X				
	Canvasback					X	X	X							X	X	X				
	Goldeneye					X	X	X							X	X	X				
	Greater scaup					X	X	X							X	X	X				
	Green-winged teal					X	X	X							X	X	X				
	Hooded merganser					X	X	X							X	X	X				
	Lesser scaup					X	X	X							X	X	X				
	Mallard					X	X	X							X	X	X				
	Northern shoveler					X	X	X							X	X	X				
	Red-breasted merganser					X	X	X							X	X	X				
	Ruddy duck					X	X	X							X	X	X				
105	Osprey	NJ	S	T			X	X	X	X	X	X	X	X	X			MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
477	American black duck				1635	X	X	X	X	X	X	X	X	X	X	X					
	American wigeon				40	X	X	X							X	X	X				
	Brant				810	X	X	X	X						X	X	X				
	Bufflehead				625	X	X	X	X						X	X	X				
	Canada goose				750	X	X	X	X	X	X	X	X	X	X	X					
	Canvasback				450	X	X	X							X	X	X				
	Common goldeneye				1225	X	X	X							X	X					
	Green-winged teal				10	X	X	X	X						X	X	X				
	Mallard				330	X	X	X	X	X	X	X	X	X	X	X					
	Mergansers				1325	X	X	X	X						X	X	X				
	Mute swan				5	X	X	X	X	X	X	X	X	X	X	X					
	Oldsquaw				490	X	X	X	X						X	X	X				
	Scaup				52980	X	X	X							X	X	X				
	Scoters				10	X	X	X	X						X	X	X				
579	American black duck				505	X	X	X	X	X	X	X	X	X	X	X					
	American wigeon				50	X	X	X							X	X	X				
	Bufflehead				85	X	X	X	X						X	X	X				
	Canada goose				26410	X	X	X	X	X	X	X	X	X	X	X					
	Canvasback				75	X	X	X							X	X	X				
	Common goldeneye				10	X	X	X							X	X					
	Gadwall				25	X	X	X	X	X	X	X	X	X	X	X					
	Mallard				815	X	X	X	X	X	X	X	X	X	X	X					
	Mergansers				635	X	X	X	X						X	X	X				
	Mute swan				2	X	X	X	X	X	X	X	X	X	X	X					
	Ring-necked duck				225	X	X	X	X						X	X	X				
	Scaup				20	X	X	X							X	X	X				
	Snow goose				60	X	X	X	X						X	X	X				
678	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X				MAR-MAY	MAR-APR		

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
5	Alewife					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
6	Alewife					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
15	American eel					X	X	X	X	X	X	X	X	X	X	X				APR-AUG	JAN-DEC	JUN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X	X				APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X	X		MAY-JUL	APR-JUL	MAY-DEC	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X		SEP-OCT	SEP-OCT			
	Black sea bass					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish																				JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X		APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Scup (porgy)																				JUN-OCT	JUN-OCT
	Silversides					X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass					X	X	X	X	X	X	X	X	X	X	X		MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Summer flounder																				JUN-OCT	MAY-OCT
	Tautog					X	X	X	X	X	X	X	X	X	X	X					APR-OCT	APR-AUG
16	Alewife					X	X	X	X									MAR-JUN	MAR-JUN	MAR-JUL	JUN-JUL	MAR-JUL
	American shad					X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-JUL	MAR-JUL	JUL-OCT	MAR-JUL
	Atlantic sturgeon																				MAY-JUN	MAY-SEP
	Blueback herring					X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-AUG	MAR-AUG	SEP-NOV	MAR-JUL
	Shortnose sturgeon	NJ	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X					JAN-DEC	JAN-DEC
	Shortnose sturgeon	NY	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X					JAN-DEC	JAN-DEC
17	American eel			</																		

NEW YORK/NEW JERSEY ESIMAP 7 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting	
19	Bottlenose dolphin										X	X	X					-	-	-	-	
	Gray seal					X	X	X	X	X							X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Harbor seal					X	X	X	X	X							X	X	-	-	-	-
	Harp seal					X	X	X	X	X							X	X	-	-	-	-
	Hooded seal					X	X	X	X	X							X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-

HUMAN USE RESOURCES:

PARK:

HUN#	Name	Owner	Contact	Phone
207	CHEESEQUAKE STATE PARK			

(b) (7)(F), (b) (3)

[Redacted information]

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

**NEW YORK/NEW JERSEY ESIMAP 9**

**BIOLOGICAL RESOURCES:**

**BIRD:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis						X	X	X	X	X	X	X	X	X			-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Great egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron						X	X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X			-	-	-	-	
2	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Shorebirds						X	X	X	X	X	X	X	X	X			-	-	-	-
	Terns						X	X	X	X	X	X	X	X	X			-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
23	American black duck					X	X	X										-	-	-	-
	American wigeon					X	X	X										-	-	-	-
	Bufflehead					X	X	X										-	-	-	-
	Canvasback					X	X	X										-	-	-	-
	Goldeneye					X	X	X										-	-	-	-
	Greater scaup					X	X	X										-	-	-	-
	Green-winged teal					X	X	X										-	-	-	-
	Hooded merganser					X	X	X										-	-	-	-
	Lesser scaup					X	X	X										-	-	-	-
	Mallard					X	X	X										-	-	-	-
	Northern shoveler					X	X	X										-	-	-	-
	Red-breasted merganser					X	X	X										-	-	-	-
	Ruddy duck					X	X	X										-	-	-	-
92	American black duck				240	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				20	X	X	X										-	-	-	-
	Brant				65	X	X	X	X									-	-	-	-
	Bufflehead				50	X	X	X	X									-	-	-	-
	Canada goose				475	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Canvasback				200	X	X	X										-	-	-	-
	Common goldeneye				10	X	X	X										-	-	-	-
	Gadwall				147	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Green-winged teal					X	X	X										-	-	-	-
	Mallard				200	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mergansers				115	X	X	X	X									-	-	-	-
	Mute swan				3	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Northern shoveler					X	X	X										-	-	-	-
	Ruddy duck					X	X	X										-	-	-	-
	Scaup				100	X	X	X										-	-	-	-
	Wood duck					X	X	X										-	-	-	-
105	Osprey	NJ	S	T			X	X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
579	American black duck				505	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				50	X	X	X										-	-	-	-
	Bufflehead				85	X	X	X	X									-	-	-	-
	Canada goose				26410	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Canvasback				75	X	X	X										-	-	-	-
	Common goldeneye				10	X	X	X										-	-	-	-
	Gadwall				25	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mallard				815	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Mergansers				635	X	X	X	X									-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Ring-necked duck				225	X	X	X	X									-	-	-	-
	Scaup				20	X	X	X										-	-	-	-
	Snow goose				60	X	X	X	X									-	-	-	-
580	American kestrel						X	X	X									-	-	-	-
	Northern harrier	NJ	S	E		X	X	X	X	X	X	X	X	X	X			NOV-FEB	MAR-APR	MAY-MAY	JUN-JUN
	Northern harrier	NY	S	T		X	X	X	X	X	X	X	X	X	X			NOV-FEB	MAR-APR	MAY-MAY	JUN-JUN
	Red-tailed hawk					X	X	X	X	X	X	X	X	X	X			MAY-JUL	-	-	-
677	Pied-billed grebe	NJ	S	E		X	X	X	X	X	X	X	X	X	X			APR-JUL	-	-	-
	Pied-billed grebe	NY	S	T		X	X	X	X	X	X	X	X	X	X			APR-JUL	-	-	-

**FISH:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
6	Alewife						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
17	American eel					X	X	X	X	X	X	X	X	X	X			-	-	APR-AUG	JAN-DEC	JUN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X			MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish						X	X	X	X								-	-	-	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X			APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X			MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass						X	X	X	X	X	X	X	X	X			MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish						X	X	X	X	X	X	X	X	X			MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder					X	X	X	X	X	X	X	X	X	X			DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
578	American shad						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-DEC	MAR-JUN

**HABITAT:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
687	Endangered plant			E		X	X	X	X	X	X	X	X	X	X	X	X

**INVERTEBRATE:**

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X			-	-	-	MAY-NOV	JAN-DEC

**HUMAN USE RESOURCES:**

**PARK:**

HUN#	Name	Owner	Contact	Phone
216	EDISON STATE PARK			

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

## NEW YORK/NEW JERSEY ESIMAP 10

## BIOLOGICAL RESOURCES:

## BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis							X	X	X	X	X	X					-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Great egret							X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron							X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret							X	X	X	X	X						-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						-	-	-	-
2	Gulls					X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Shorebirds							X	X	X	X							-	-	-	-
	Terns							X	X	X	X	X						-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
10	Shorebirds							X	X	X								-	-	-	-
11	Shorebirds							X	X									-	-	-	-
	Wading birds							X	X	X	X	X						MAY-AUG	-	-	-
12	Wading birds							X	X	X	X	X						MAY-SEP	-	-	-
	Waterfowl					X	X	X							X	X	X	-	-	-	-
14	Black-capped petrel				VERY RARE	X	X	X	X					X	X	X		-	-	-	-
	Common loon	NY	S	S		X	X	X	X					X	X	X		-	-	-	-
	Greater scaup					X	X								X			-	-	-	-
	Lesser scaup					X	X	X							X	X		-	-	-	-
	Northern gannet					X	X	X	X						X	X		-	-	-	-
	Red-throated loon					X	X	X	X					X	X	X		-	-	-	-
22	American black duck					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
	Brant					X	X	X							X	X		-	-	-	-
	Canada goose					X	X	X	X	X	X	X	X	X	X	X		MAY-AUG	-	-	-
	Hooded merganser					X	X	X							X	X		-	-	-	-
	Mallard					X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
	Mute swan					X	X	X							X	X		-	-	-	-
	Oldsquaw					X	X	X							X	X		-	-	-	-
	Red-breasted merganser					X	X	X							X	X		-	-	-	-
	Ruddy duck					X	X	X							X	X		-	-	-	-
	Snow goose					X	X	X							X	X		-	-	-	-
	Waterfowl					X	X	X							X	X		-	-	-	-
23	American black duck					X	X	X							X	X		-	-	-	-
	American wigeon					X	X	X							X	X		-	-	-	-
	Bufflehead					X	X	X							X	X		-	-	-	-
	Canvasback					X	X	X							X	X		-	-	-	-
	Goldeneye					X	X	X							X	X		-	-	-	-
	Greater scaup					X	X	X							X	X		-	-	-	-
	Green-winged teal					X	X	X							X	X		-	-	-	-
	Hooded merganser					X	X	X							X	X		-	-	-	-
	Lesser scaup					X	X	X							X	X		-	-	-	-
	Mallard					X	X	X							X	X		-	-	-	-
	Northern shoveler					X	X	X							X	X		-	-	-	-
	Red-breasted merganser					X	X	X							X	X		-	-	-	-
	Ruddy duck					X	X	X							X	X		-	-	-	-
25	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Cattle egret							X	X	X	X	X						MAY-AUG	-	-	-
	Glossy ibis							X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great egret					X	X	X	X	X	X	X	X	X	X	X		APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Green heron							X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Herring gull					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Little blue heron							X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Red-tailed hawk					X	X	X	X	X	X	X	X	X	X			MAY-JUL	-	-	-
	Shorebirds							X	X	X	X							-	-	-	-
	Snowy egret							X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Terns							X	X	X	X	X						-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
26	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X					-	-	-	-
	Glossy ibis							X	X	X	X	X						-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Great egret					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron							X	X	X	X	X	X					-	-	-	-
	Snowy egret							X	X	X	X							-	-	-	-
	Yellow-crowned night-heron	NJ	S	T				X	X	X	X	X						-	-	-	-
28	American black duck					X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Black-crowned night-heron	NJ	S	T				X	X	X	X	X	X					APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Brant					X	X	X							X	X		-	-	-	-
	Canada goose					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Common barn owl					X	X	X	X	X	X	X	X	X				-	-	-	-
	Glossy ibis							X	X	X	X							APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great blue heron					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Great egret					X	X	X	X	X	X	X	X	X	X			APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Herring gull					X	X	X	X	X	X	X	X	X	X			MAY-AUG	-	-	-
	Hooded merganser					X	X	X							X	X		-	-	-	-
	Little blue heron							X	X	X	X	X	X					APR-MAY	MAY-JUN	JUL-JUL	AUG-AUG
	Mallard					X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-
	Mute swan					X	X	X							X	X		-	-	-	-
	Oldsquaw					X	X	X							X	X		-	-	-	-
	Red-breasted merganser					X	X	X							X	X		-	-	-	-
	Ruddy duck					X															



NEW YORK/NEW JERSEY ESIMAP 10 (cont.)

BIOLOGICAL RESOURCES: (cont.)

MARINE MAMMAL:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting	
19	Bottlenose dolphin										X	X	X					-	-	-	-	
	Gray seal					X	X	X	X	X							X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-	
	Harbor seal					X	X	X	X	X							X	X	-	-	-	-
	Harp seal					X	X	X	X	X							X	X	-	-	-	-
	Hooded seal					X	X	X	X	X							X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

REPTILE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-
25	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
27	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
29	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
30	Diamondback terrapin					X	X	X	X	X	X	X	X	X	X	X	X	APR-OCT	JUN-OCT	-	SEP-OCT	JAN-DEC
696	Rare reptile/amphibian					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-
697	Endangered reptile/amphibian			E		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

HUMAN USE RESOURCES:

PARK:

HUN#	Name	Owner	Contact	Phone
195	BAYSWATER POINT			
223	GATEWAY NRA			

(b) (7)(F), (b) (3)

[Redacted information]

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

NEW YORK/NEW JERSEY ESIMAP 16

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
1	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X	X	X	X			-	-	-	-
	Glossy ibis						X	X	X	X	X	X						-	-	-	-
	Great blue heron					X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Great egret						X	X	X	X	X	X	X	X	X			-	-	-	-
	Little blue heron						X	X	X	X	X	X	X	X	X			-	-	-	-
	Snowy egret						X	X	X	X	X							-	-	-	-
	Yellow-crowned night-heron	NJ	S	T			X	X	X	X	X							-	-	-	-
2	Gulls					X	X	X	X	X	X	X	X	X	X			-	-	-	-
	Shorebirds						X	X	X	X								-	-	-	-
	Terns						X	X	X	X	X							-	-	-	-
4	American black duck				COMMON	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Canada goose				ABUNDANT	X	X	X	X	X	X	X	X	X	X	X		MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Gadwall				UNCOMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mallard				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
	Mute swan				COMMON	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-AUG
9	Wood duck				ABUNDANT	X	X	X	X	X	X	X	X	X	X			MAR-JUN	MAR-MAY	APR-JUN	MAY-JUL
23	American black duck					X	X	X							X	X		-	-	-	-
	American wigeon					X	X	X							X	X		-	-	-	-
	Bufflehead					X	X	X							X	X		-	-	-	-
	Canvasback					X	X	X							X	X		-	-	-	-
	Goldeneye					X	X	X							X	X		-	-	-	-
	Greater scaup					X	X	X							X	X		-	-	-	-
	Green-winged teal					X	X	X							X	X		-	-	-	-
	Hooded merganser					X	X	X							X	X		-	-	-	-
	Lesser scaup					X	X	X							X	X		-	-	-	-
	Mallard					X	X	X							X	X		-	-	-	-
	Northern shoveler					X	X	X							X	X		-	-	-	-
	Red-breasted merganser					X	X	X							X	X		-	-	-	-
	Ruddy duck					X	X	X							X	X		-	-	-	-
38	Peregrine falcon	NJ	S	E				X	X	X								APR-JUL	-	-	-
	Peregrine falcon	NY	S	E				X	X	X								APR-JUL	-	-	-
82	Black-crowned night-heron	NJ	S	T			X	X	X	X	X	X						-	-	-	-
85	American black duck				135	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				50	X	X	X							X	X	X	-	-	-	-
	Brant				125	X	X	X	X						X	X	X	-	-	-	-
	Bufflehead				60	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				660	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				310	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				18	X	X	X							X	X		-	-	-	-
	Gadwall				50	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mallard				340	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				55	X	X	X	X						X	X	X	-	-	-	-
	Ring-necked duck				35	X	X	X	X						X	X	X	-	-	-	-
	Ruddy duck				30	X	X	X	X						X	X	X	-	-	-	-
	Scaup				6050	X	X	X							X	X	X	-	-	-	-
86	American black duck				290	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				195	X	X	X							X	X	X	-	-	-	-
	Brant				200	X	X	X	X						X	X	X	-	-	-	-
	Bufflehead				90	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				785	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				1215	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				45	X	X	X							X	X		-	-	-	-
	Gadwall				75	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mallard				391	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				130	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Oldsquaw				35	X	X	X	X						X	X	X	-	-	-	-
	Redhead				5	X	X	X							X	X	X	-	-	-	-
	Ruddy duck				185	X	X	X	X						X	X	X	-	-	-	-
	Scaup				2000	X	X	X							X	X	X	-	-	-	-
87	American black duck				665	X	X	X	X	X	X	X	X	X	X			-	-	-	-
	American wigeon				410	X	X	X							X	X	X	-	-	-	-
	Bufflehead				70	X	X	X	X						X	X	X	-	-	-	-
	Canada goose				1975	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Canvasback				505	X	X	X							X	X	X	-	-	-	-
	Common goldeneye				175	X	X	X							X	X		-	-	-	-
	Gadwall				200	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Green-winged teal				800	X	X	X	X						X	X	X	-	-	-	-
	Mallard				865	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Mergansers				820	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				2	X	X	X	X	X	X	X	X	X	X	X		-	-	-	-
	Northern pintail				100	X	X	X							X	X	X	-	-	-	-
	Ruddy duck				95	X	X	X							X	X	X	-	-	-	-
	Scaup				400	X	X	X							X	X	X	-	-	-	-
89	Shorebirds						X	X	X	X								-	-	-	-
90	Endangered shorebird				E	X	X	X	X	X	X							APR-AUG	MAY-JUN	MAY-JUN	JUN-AUG
689	Endangered raptor				E	X	X	X	X	X	X	X	X	X	X	X		MAY-SEP	-	-	-
700	Threatened diving bird				T	X	X	X	X	X	X	X	X	X	X			MAY-SEP	-	-	-

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
6	Alewife						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
	Blueback herring						X	X	X	X	X	X	X	X	X			APR-MAY	APR-JUN	MAY-SEP	SEP-NOV	MAR-JUN
15	American eel					X	X	X	X	X	X	X	X	X	X			-	-	APR-AUG	JAN-DEC	JUN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X			-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X			MAY-JUL	APR-JUL	MAY-DEC	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X			MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Black sea bass						X	X	X	X	X	X						-	-	-	APR-NOV	APR-NOV

NEW YORK/NEW JERSEY ESIMAP 16 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
79	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic herring					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Atlantic menhaden					X	X	X	X	X	X	X	X	X	X	X	X	MAY-JUL SEP-OCT	APR-JUL SEP-OCT	MAY-DEC	JAN-DEC	JAN-DEC
	Black sea bass							X	X	X	X	X	X	X	X	X	X	-	-	-	APR-NOV	APR-NOV
	Bluefish								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Scup (porgy)								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Striped bass							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Summer flounder							X	X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	MAY-OCT
	Tautog							X	X	X	X	X	X	X	X	X	X	-	-	-	APR-OCT	APR-AUG
	Weakfish							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	MAY-JUL	APR-SEP	APR-SEP
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
83	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish								X	X	X	X	X	X	X	X	X	-	-	-	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X	X	X	X	X	MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAY
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAR
84	Striped bass					X	X	X										-	-	-	OCT-MAR	-

HABITAT:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
648	Rare plant					X	X	X	X	X	X	X	X	X	X	X	X
680	Rare community					X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
21	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
79	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
80	American lobster				HIGH	X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-OCT	APR-OCT	JAN-DEC	JAN-DEC
83	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
89	Horseshoe crab					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	MAY-JUL	MAY-JUL	JAN-DEC	APR-JUL
700	Eastern oyster					X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	JAN-DEC	JAN-DEC
	Northern quahog (hard clam)				MOD/ABUND	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	JUN-AUG	JUN-AUG	JAN-DEC	JAN-DEC

MARINE MAMMAL:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molting
19	Bottlenose dolphin										X	X	X					-	-	-	-
	Gray seal					X	X	X	X	X								X	X	-	-
	Harbor porpoise							X	X									-	-	-	-
	Harbor seal					X	X	X	X									X	X	-	-
	Harp seal					X	X	X	X									X	X	-	-
	Hooded seal					X	X	X	X									X	X	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
81	Fin whale	NJ	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Fin whale	NY	S/F	E/E		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Harbor porpoise							X	X									-	-	-	-
	Humpback whale	NJ	S/F	E/E				X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Humpback whale	NY	S/F	E/E				X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Minke whale					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Saddle-backed dolphin										X	X	X					-	-	-	-
	Seals					X	X	X	X									-	-	-	-

REPTILE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
19	Leatherback sea turtle	NJ	S/F	E/E									X	X	X	X		-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X	X		-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X	X		-	-	-	-	-
81	Leatherback sea turtle	NJ	S/F	E/E									X	X	X			-	-	-	-	-
	Leatherback sea turtle	NY	S/F	E/E									X	X	X			-	-	-	-	-
	Loggerhead sea turtle	NJ	S/F	E/T									X	X	X			-	-	-	-	-
	Loggerhead sea turtle	NY	S/F	T/T									X	X	X			-	-	-	-	-

HUMAN USE RESOURCES:

NATIONAL PARK:

HUN#	Name	Owner	Contact	Phone
192	STATUE OF LIBERTY NATIONAL MONUMENT			

PARK:

HUN#	Name	Owner	Contact	Phone
236	LIBERTY STATE PARK			

(b) (7)(F), (b) (3)



information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.



NEW YORK/NEW JERSEY ESIMAP 17 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH: (cont.)

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
83	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X	X			-	-	JUN-OCT	JUN-OCT	JUN-OCT
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X					MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	OCT-MAY
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	DEC-MAR	DEC-MAR	DEC-MAY	JAN-DEC	OCT-MAY
91	American eel					X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	JAN-DEC	JAN-DEC
	Bay anchovy					X	X	X	X	X	X	X	X	X	X	X	X	MAY-SEP	MAY-SEP	MAY-NOV	JAN-DEC	JAN-DEC
	Bluefish										X	X	X	X				-	-	JUN-OCT	JUN-OCT	-
	Killifish					X	X	X	X	X	X	X	X	X	X	X	X	APR-SEP	APR-SEP	MAY-SEP	JAN-DEC	JAN-DEC
	Silversides					X	X	X	X	X	X	X	X	X	X	X	X	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	JAN-DEC
	Striped bass							X	X	X	X	X	X					MAY-JUN	MAY-JUN	APR-JUL	APR-SEP	MAR-JUN
	Weakfish					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-

HABITAT:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
681	Threatened plant			T		X	X	X	X	X	X	X	X	X	X	X	X
695	Threatened plant			T		X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawn/Mate	Eggs	Larvae	Juveniles	Adults
17	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
83	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC
91	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	MAY-NOV	JAN-DEC

=====

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.



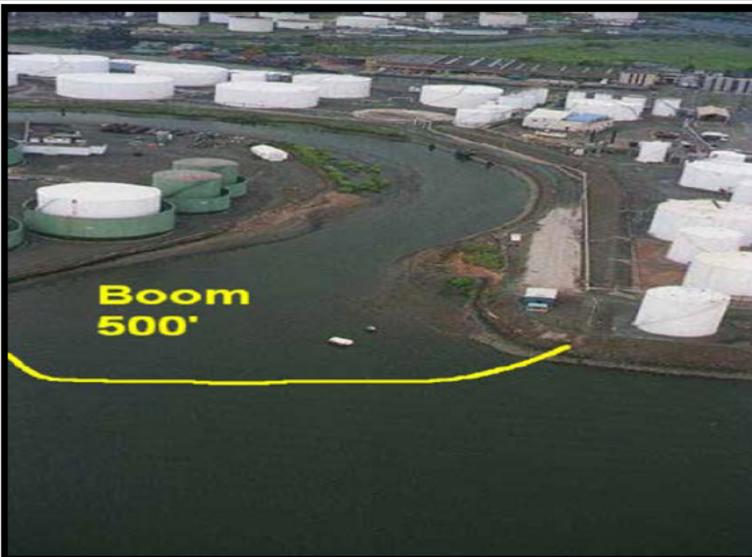
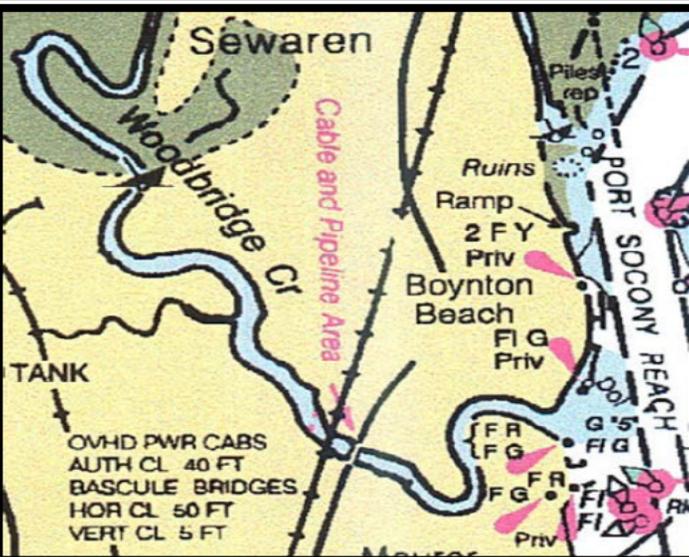


Linden



**RESPONSE STRATEGY**

Site Name Site 10  
 Site Location/ACP Key A-26  
 Waterbody/Type Arthur Kill  
 Municipality Woodbridge  
 (b) (7)(F), (b) (3)



Size/Width Approximately 600 feet across the creek  
 Distance From Facility Tidal creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal creek

**HAZARDS**

**LAND USE/OWNER**  
 The site is surrounded by commercial and industrial development.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the north and southern shorelines of the creek.

**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)

**RESPONSE TACTIC**  
 Protective booming. Approximately 800 feet of harbor boom should be deployed across the creek mouth. A minimum of nine (9) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: December 14, 2006

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Linden

**RESPONSE STRATEGY**

Site Name Site 11  
 Site Location/ACP Key A-63  
 Waterbody/Type Arthur Kill  
 Municipality Staten Island

(b) (7)(F), (b) (3)

Size/Width Approximately 900 feet across the marsh  
 Distance From Facility Tidal Creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal Creek

**HAZARDS**

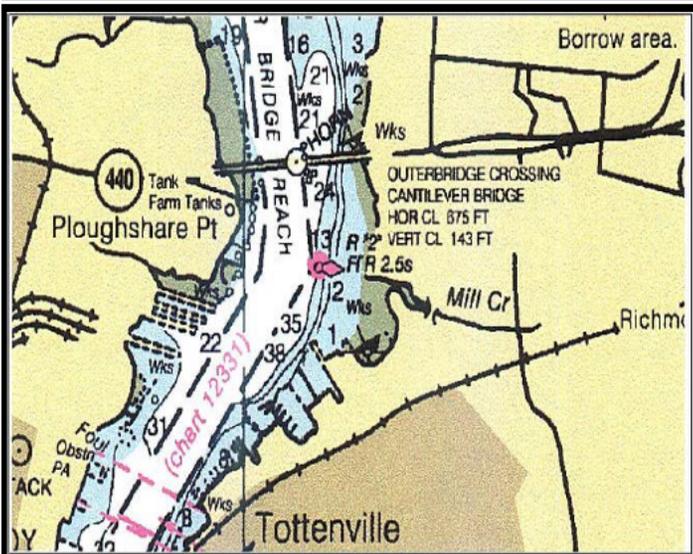
**LAND USE/OWNER**  
 The surrounding area supports residential and commercial development.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the shoreline on Staten Island.

**RESPONSE TACTIC**  
 Protective and deflection booming. Approximately 1,000 feet of harbor boom should be deployed across the entrance to the creek. A minimum of eleven (11) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: August 11, 2010



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

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RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)









Linden

RESPONSE STRATEGY

Site Name Site 15

Site Location/ACP Key

Waterbody/Type

Municipality

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

SITE FACTORS

SITE DESCRIPTIVE INFORMATION

Raritan Bay/ southern shore of Staten Island; Princes Bay

SHORELINE/HABITAT TO BE PROTECTED

HAZARDS

LAND USE/OWNER

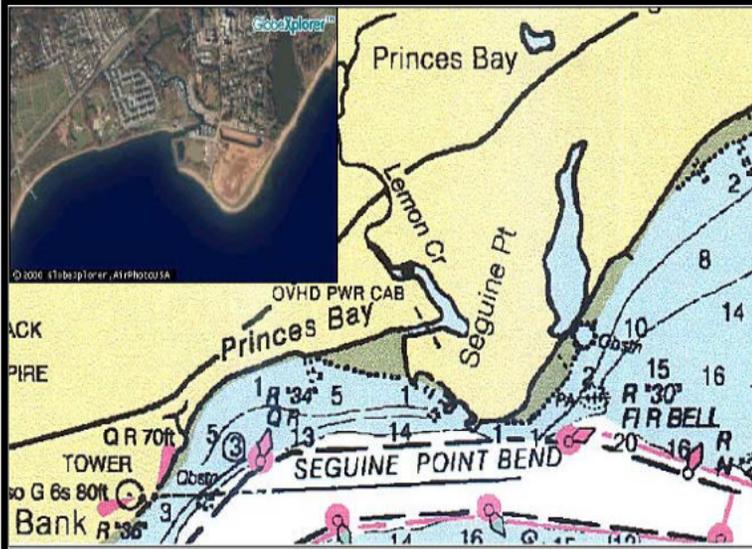
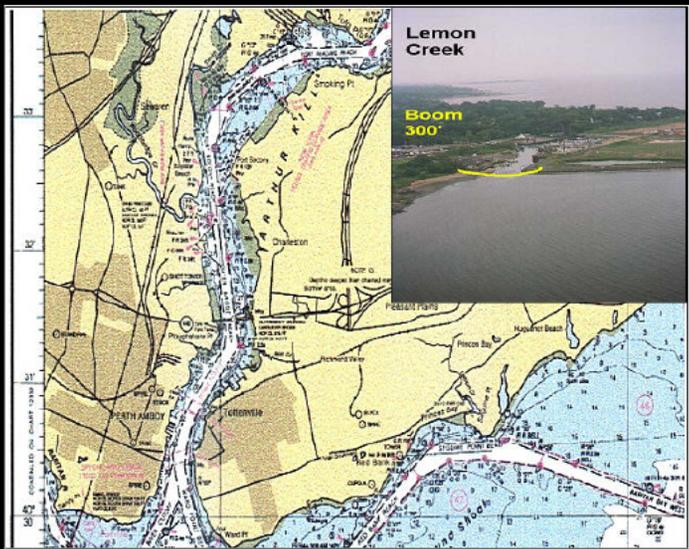
CRITICAL RESPONSE INFORMATION

Staging Area: Princes Bay/ Saguine Point

RESPONSE TACTIC

Deploy 300 ft. protection at Lemon Creek entrance

Date Last Revised: August 19, 2010



LEGEND Origin ● Destination ●

DRIVING DIRECTIONS

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
500 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION

RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
1	Boat Operator(s)
1	Technician(s)

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Linden



**RESPONSE STRATEGY**

Site Name Site 5

Site Location/ACP Key A-22

Waterbody/Type Arthur Kill

Municipality Linden

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**

Arthur Kill; Northwest Staten Island South of Pralls Island

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

**LAND USE/OWNER**

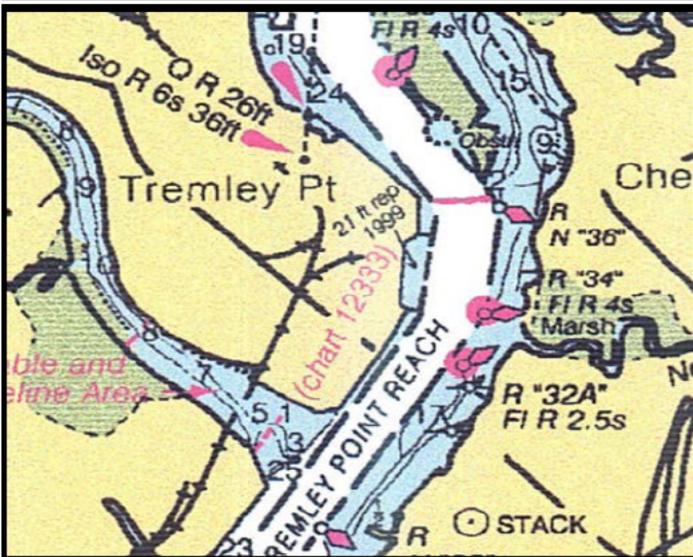
**CRITICAL RESPONSE INFORMATION**

Staging Area: ST Linden Terminal (908) 862 5740/ Amoco Terminal (908) 541 5131

**RESPONSE TACTIC**

Deploy 300 ft. protection boom at Neck Creek

Date Last Revised: August 18, 2010



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

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**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
500 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
1	Boat Operator(s)
1	Technician(s)



Linden



**RESPONSE STRATEGY**

Site Name Site 6  
 Site Location/ACP Key B-23  
 Waterbody/Type Arthur Kill  
 Municipality Linden

(b) (7)(F), (b) (3)

Size/Width Approximately 1,400 feet across the river  
 Distance From Facility Tidal River  
 Protection Priority none

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.  
 Arthur Kill / North of Carteret, New Jersey 1/2 mile south of Pralls Island

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal river and associated shorelines.

**HAZARDS**

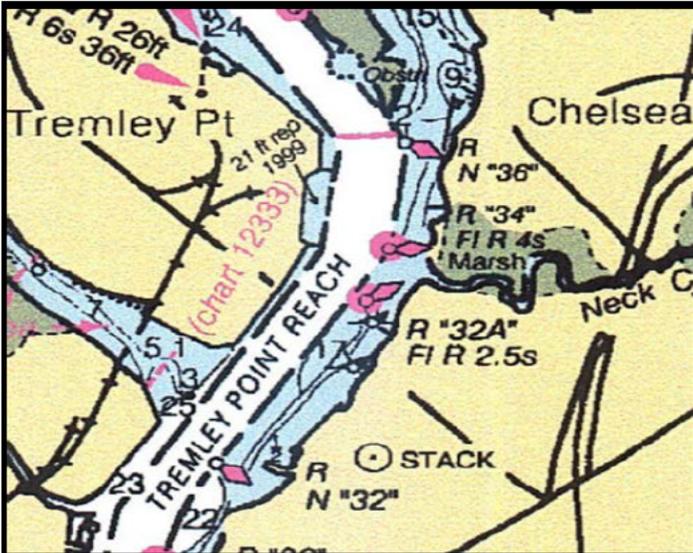
**LAND USE/OWNER**  
 The island is undeveloped and south on Staten Island the area supports commercial development.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the shorelines on both sides of the river.

Staging Area: Amoco Oil Terminal (908) 541 5131  
 Western side has underwater obstructions

**RESPONSE TACTIC**  
 Deploy 1100 ft. of deflection and or protection boom at Rahway River entrance.

Date Last Revised: August 18, 2010



**LEGEND**      Origin      ●      Destination      ●

**DRIVING DIRECTIONS**

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
1500 ft	Containment Boom
2	Work Boat(s)
2	Radio(s) VHF CH 13

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
2	Boat Operator(s)
2	Technician(s)

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Linden

**RESPONSE STRATEGY**

Site Name Site 7

Site Location/ACP Key W-3

Waterbody/Type Arthur Kill

Municipality Linden

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**

Arthur Kill/ Western Staten Island across from the Rahway River Outlet north of Little Fresh Kills south of Neck Creek; 4401 Victory Blvd, SI.

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

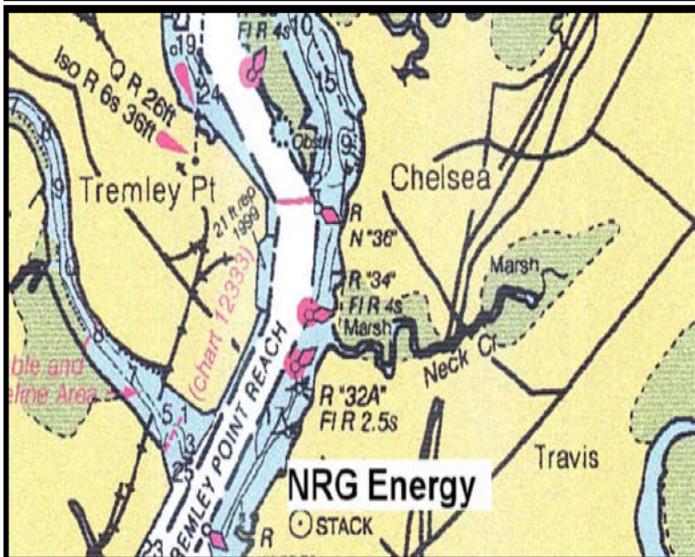
**LAND USE/OWNER**

**CRITICAL RESPONSE INFORMATION**

**RESPONSE TACTIC**

Deploy 2000 ft. protection and or deflection boom at NRG

Date Last Revised: August 20, 2010



**LEGEND**      Origin      ●      Destination      ●

**DRIVING DIRECTIONS**

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**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
2000 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
1	Boat Operator(s)
2	Technician(s)



Linden

**RESPONSE STRATEGY**

Site Name Site 8

Site Location/ACP Key A-66

Waterbody/Type Arthur Kill and Fresh Kill Channel

Municipality Linden

(b) (7)(F), (b) (3)

Size/Width

Distance From Facility

Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**

Western Staten Island at confluence of Arthur Kill and Fresh Kill Channel

**SHORELINE/HABITAT TO BE PROTECTED**

**HAZARDS**

**LAND USE/OWNER**

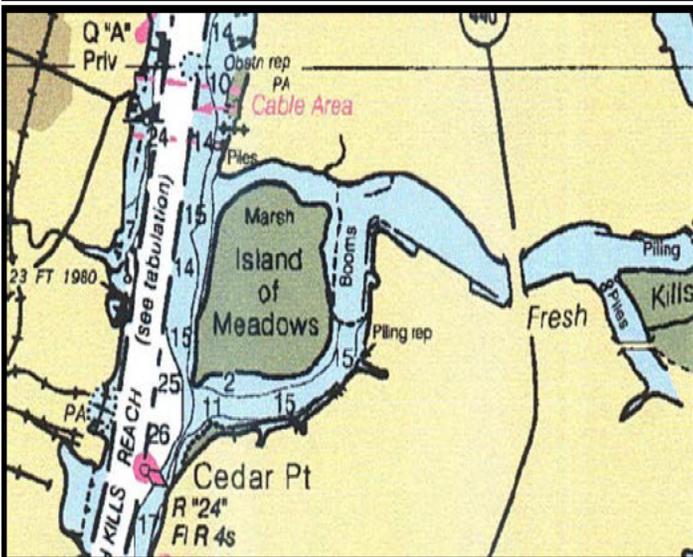
**CRITICAL RESPONSE INFORMATION**

Staging Area: Amoco Marine Oil Terminal (908) 541-5131

**RESPONSE TACTIC**

Deploy 2500 ft. protection and or deflection boom Island of Meadows

Date Last Revised: August 20, 2010



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

**RECOMMENDED EQUIPMENT**

QUANTITY	DESCRIPTION
2500 ft	Containment Boom
1	Work Boat(s)
2	Radio(s) VHF CH 13

**RECOMMENDED EQUIPMENT**

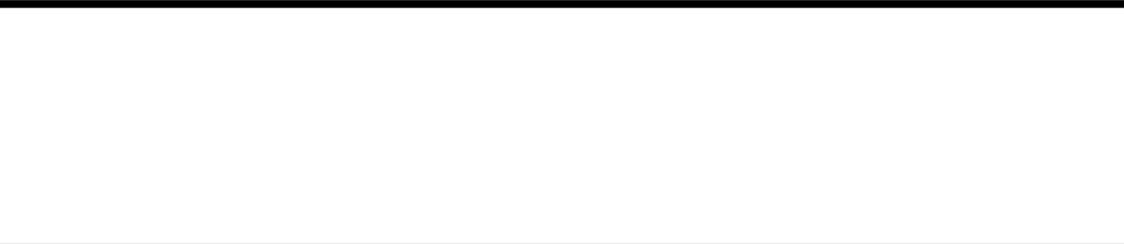
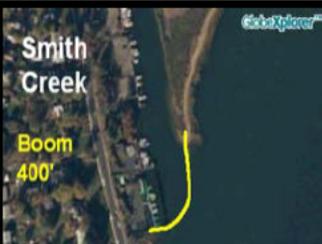
QUANTITY	DESCRIPTION

**RECOMMENDED PERSONNEL**

NUMBERS	DESCRIPTION
1	Boat Operator(s)
2	Technician(s)



Linden



**RESPONSE STRATEGY**

Site Name Site 9  
 Site Location/ACP Key A-25  
 Waterbody/Type Arthur Kill

(b) (7)(F), (b) (3)

Size/Width Approximately 400 feet across the creek  
 Distance From Facility Tidal Creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal creek, marina and shoreline.

**HAZARDS**

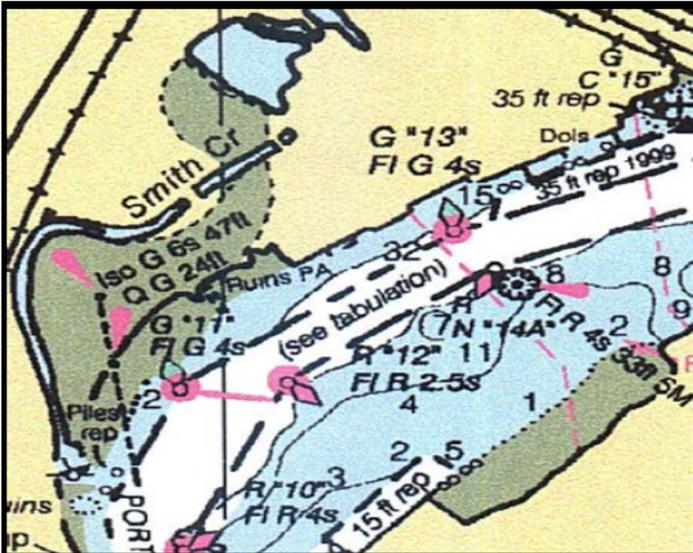
**LAND USE/OWNER**  
 The site contains a marina and residential development to the south and is undeveloped to the north.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the south shoreline through the marina.

**RESPONSE TACTIC**  
 Protective and deflection booming. Approximately 800 feet of harbor boom should be deployed along the north shore and an additional 400 feet deployed across the creek. A minimum of sixteen (16) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: December 14, 2006



**LEGEND**      Origin      ●      Destination      ●

**DRIVING DIRECTIONS**

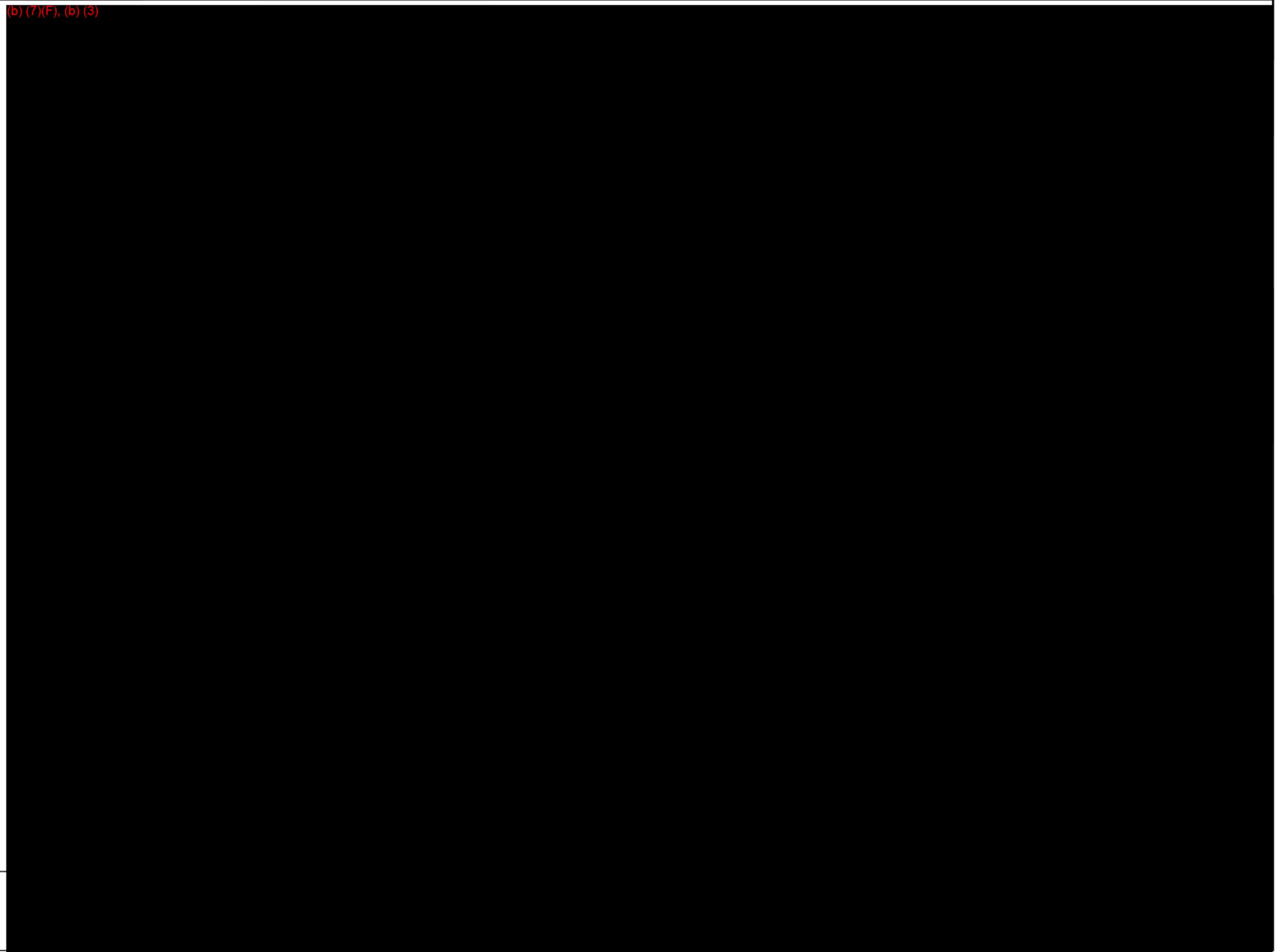
RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)

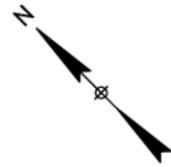
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)

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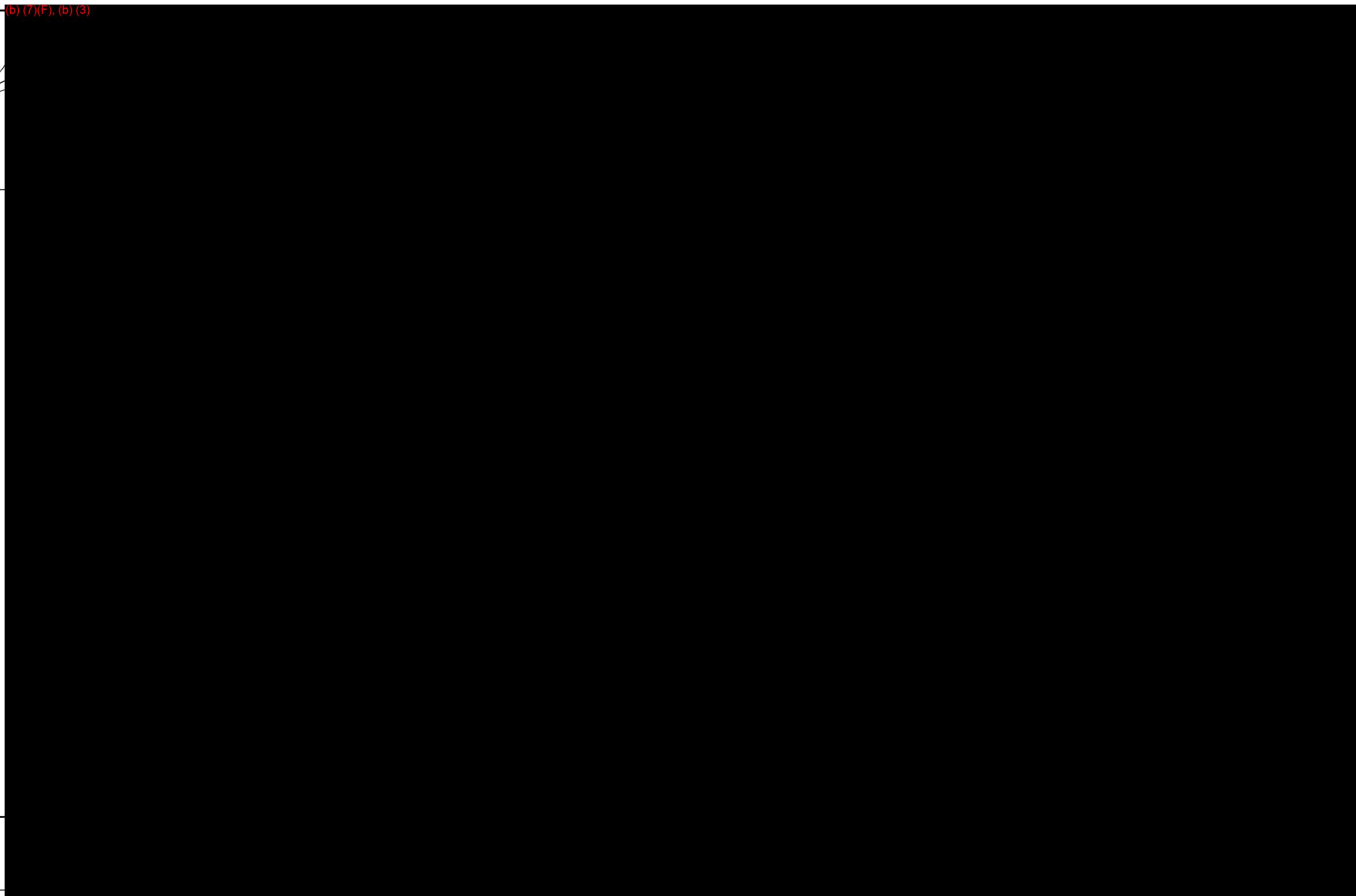
(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)



(b) (7)(F), (b) (3)





Linden



**RESPONSE STRATEGY**

Site Name Site 9  
 Site Location/ACP Key A-25  
 Waterbody/Type Arthur Kill  
 Municipality Woodbridge  
 (b) (7)(F), (b) (3)

Size/Width Approximately 400 feet across the creek  
 Distance From Facility Tidal Creek  
 Protection Priority

**SITE FACTORS**

**SITE DESCRIPTIVE INFORMATION**  
 Mean tidal range is 5.3 ft.  
 Channel is navigable.  
 Average currents are 0.3 knot flood and 0.8 knot ebb.

**SHORELINE/HABITAT TO BE PROTECTED**  
 Tidal creek, marina and shoreline.

**HAZARDS**

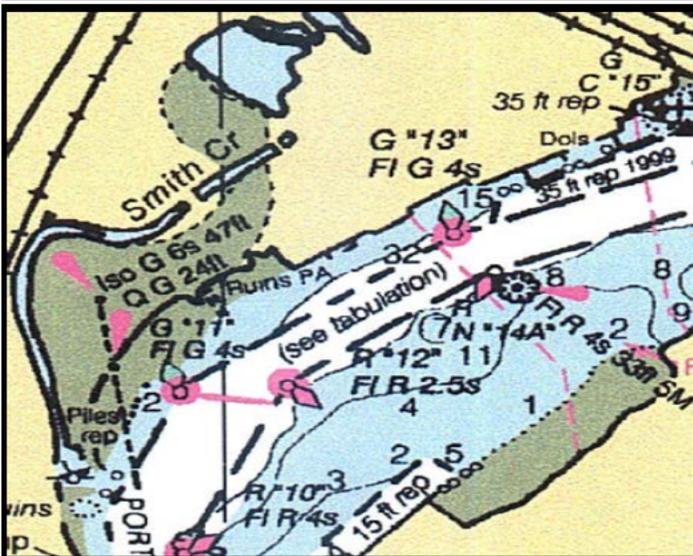
**LAND USE/OWNER**  
 The site contains a marina and residential development to the south and is undeveloped to the north.

**CRITICAL RESPONSE INFORMATION**  
 Primary access to the site is by water. Land access is available to the south shoreline through the marina.

**RESPONSE TACTIC**  
 Protective and deflection booming. Approximately 800 feet of harbor boom should be deployed along the north shore and an additional 400 feet deployed across the creek. A minimum of sixteen (16) anchor sets with lighted buoys will be required to properly set and mark the boom. Additionally, sorbent boom may be placed inside of the hard boom to intercept any petroleum not contained by the initial booming.

Exact booming requirements and locations will be determined by the Incident Commander in response to conditions at the time of the spill.

Date Last Revised: December 14, 2006



**LEGEND**      Origin ●      Destination ●

**DRIVING DIRECTIONS**

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Poly lined roll-off boxes
	Metal Culvert Pipes
	Trac-hoe
	Containment Boom
	Sorbent Boom
	Vac Truck(s)
	Frac Tank(s)
	Work Boat(s)
	Skimmer(s)
	3/8" Polypropylene Line
	Stake(s)
	Sledge hammer(s)
	Sorbent pad(s)
	85 gallon drum liners

RECOMMENDED EQUIPMENT	
QUANTITY	DESCRIPTION
	Light tower(s)
	Port-o-let(s)
RECOMMENDED PERSONNEL	
NUMBERS	DESCRIPTION
	Boat Operator(s)
	Equipment Operator(s)
	Laborer(s)
	Supervisor(s)
	Vac Truck Operator(s)

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