



U.S. Department of Transportation
Pipeline and Hazardous Materials
Safety Administration

1200 New Jersey Ave, SE
Washington, D.C. 20590

MAY 26 2010

Mr. Dave Mykyte
Calfrac Well Services Corp.
164 – Hwy 64
Beebe, Arkansas 72012

Ref. No. 10-0103

Dear Mr. Mykyte:

This responds to your April 28, 2010 email requesting clarification of the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180). You provide a description and pictures of a Class 7 (radioactive) material in a Type A package, which you refer to as a blender densitometer. The Type A package is attached to the frame of a machine mounted on a trailer. A steel sleeve that fits over the package is bolted in place using existing bolt holes on the frame of the Type A package to provide additional shielding. Specifically, you ask if the steel sleeve meets the definition of an overpack in the HMR.

The answer is no. An overpack is defined in § 171.8 to mean an enclosure used by a single consignor to provide protection or convenience in the handling of a package or to consolidate two or more packages. An example of an overpack is one or more packages placed in a protective outer packaging such as a box or crate. The steel sleeve semi-permanently attached to the Type A package is considered an attachment to the Type A package; therefore, it does not meet the definition of an overpack.

I hope this information is helpful. If you have further questions, please contact this office.

Sincerely,

A handwritten signature in black ink that reads "Charles E. Betts".

Charles E. Betts
Chief, Standards Development
Office of Hazardous Materials Standards

Drakeford, Carolyn (PHMSA)

Eichenlaub
\$171.8
Overpack
10-0103

From: Betts, Charles (PHMSA)
Sent: Wednesday, April 28, 2010 4:20 PM
To: Drakeford, Carolyn (PHMSA)
Subject: FW: Denso Type A Package

Carolyn,

This should also be include in the previous new request for interpretation that I just sent you.

Thanks,
Charles

From: Dave Mykyte [mailto:dmykyte@calfrac.com]
Sent: Wednesday, April 28, 2010 4:11 PM
To: Betts, Charles (PHMSA)
Cc: Lynch, Tom (PHMSA)
Subject: RE: Denso Type A Package

Thank you for the quick response
When mRm readings were initially taken April 6, 2010 & April 7, 2010 three different meters, one Calfrac meter and two different meters from Arkansas Department of Health were used to measure mRm readings from highest reading on the source. . The mRm readings on the surface of the source ranged from 48 mRm to 55 mRm. Being as the Yellow II designation threshold is 10 to 50 mRm and accuracy of portable meters +/- 10% we felt it would be best to provide additional shielding to reduce the mRm's coming from the source. Readings with over pack installed using Calfrac meter were 35 mRm.

Dave Mykyte
District Manager

Calfrac Well Services Corp.
164 - HWY 64, Beebe, Arkansas, United States 72012
Phone: 501-882-4050
Fax: 501-882-4040
Mobile: 501-288-4354
Email: dmykyte@calfrac.com
www.calfrac.com

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From: charles.betts@dot.gov [mailto:charles.betts@dot.gov]
Sent: Wednesday, April 28, 2010 2:20 PM
To: Dave Mykyte
Cc: Tom.Lynch@dot.gov
Subject: RE: Denso Type A Package

Good afternoon Mr. Mykyte,

We have received your request for an interpretation. I will ensure that your request is logged into our tracking system for proper handling. To ensure that our response is accurate based on your situation, it would be helpful if you could provide me with some additional information. Specifically, I would like to know the following:

What function is the device around the packaging meant to fulfill? In your both of your submitted pictures, the questionable package itself is labeled "Yellow-II" and the questionable "overpack" is also labeled "Yellow-II"

Thanks,
Charles Betts

From: Dave Mykyte [mailto:dmykyte@calfrac.com]
Sent: Wednesday, April 28, 2010 10:10 AM
To: Betts, Charles (PHMSA)
Cc: Lynch, Tom (PHMSA)
Subject: Denso Type A Package

Charles:

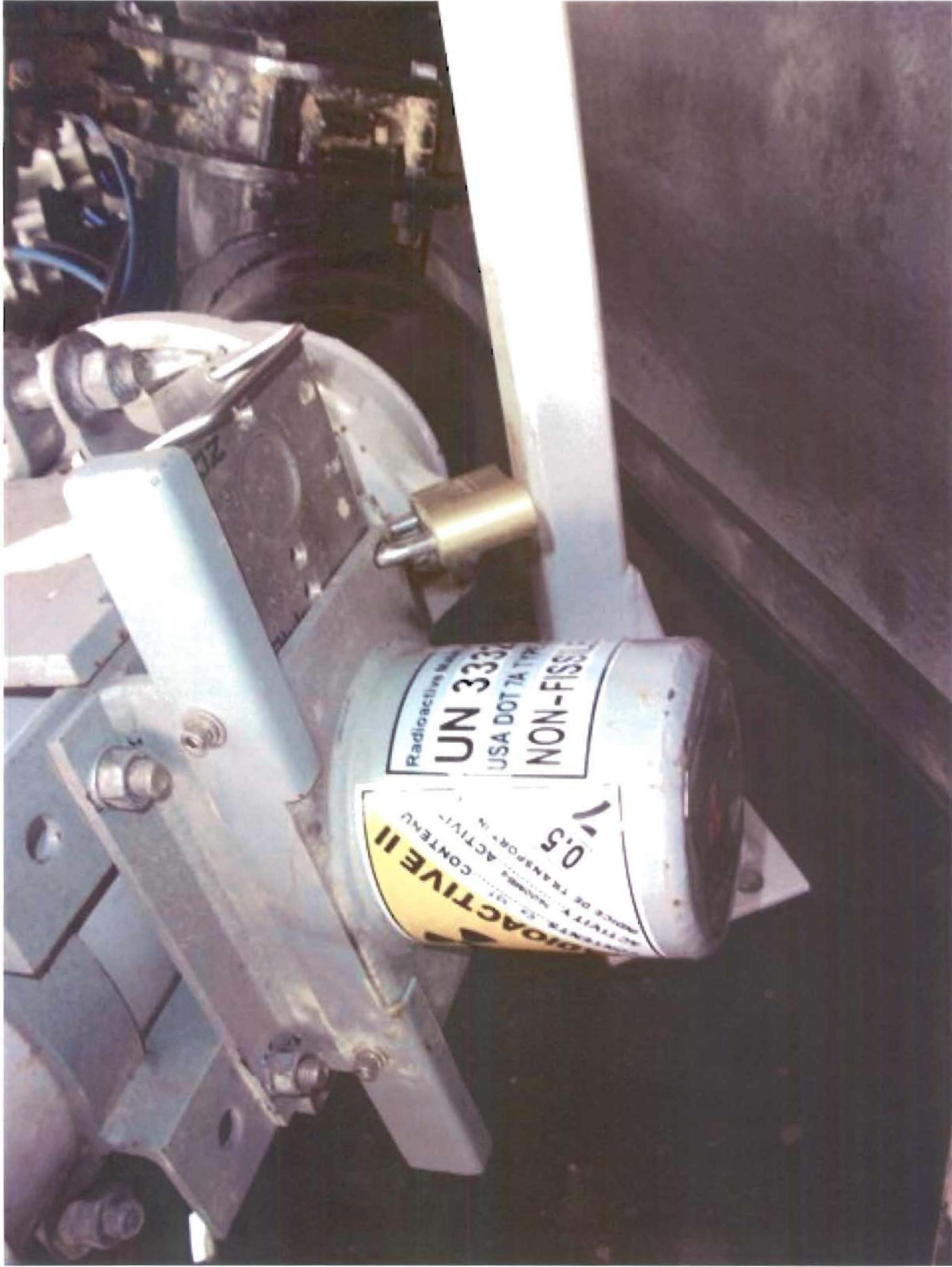
We have an inquiry on our blender densitometers. Calfrac has installed additional shielding on our blender densitometers this shielding was in the form of a steel sleeve that fits over package and is bolted in place using existing bolt holes that were on the frame of Type "A" package. The question that we have is with the addition of this "sleeve" would be considered an over pack? I have attached pictures before and after installation of sleeve.

Thank You

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Radioactive Material
UN 333
USA DOT TA IPR
NON-FISSILE

RADIOACTIVE II
0.5
ACTIVITY, MAXIMUM PERMITTED FOR TRANSPORT IN
CONTAINER