

"Saving People Money So They Can Live Better"



Environmental Services

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August 7, 2008

Charles Miller, Director
Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
One White Flint North
11545 Rockville Pike
Rockville, MD 20852

Subject: Supplemental Report of Damaged Tritium Exit Sign

Dear Dr. Miller:

On July 1, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") provided the U.S. Nuclear Regulatory Commission ("NRC") with a supplemental report regarding one damaged tritium exit sign ("TES") that it discovered at store #581, located in Marshalltown, Iowa. In that report, Wal-Mart committed to provide a supplemental report regarding as-left contamination levels. That supplemental report is provided herein as Attachment A.

Information on the damaged TES is provided below:

<u>Serial #</u>	<u>Curies</u>	<u>Damage Date</u>	<u>Store Location</u>
258932	20.0	Prior to 02/2008 (est.)	2802 South Center St., Marshalltown, IA

Please contact me at (479) 204-9914, if you have any questions regarding this letter or the attached report.

Sincerely,

Richard Dailey

Radiation Safety Officer
Wal-Mart Stores, Inc.

PSMR-60210 - SUNSI REVIEW COMPLETE
"PUBLICLY AVAILABLE"
08/20/2008

cc: Angela Washington, Wal-Mart Stores, Inc.
Thomas Poindexter, Morgan Lewis & Bockius LLP

FSMEO

Attachment A

A. Actions Taken

As reported on July 1, 2008, Wal-Mart representatives and a Certified Health Physicist ("CHP") from Dade Moeller & Associates ("Dade Moeller") visited store #581 in Marshalltown, Iowa on June 24, 2008, to conduct radiological surveys, package the tritium exit sign ("TES") for disposal, and decontaminate the area to ALARA levels, as necessary. Interviews with store managers and associates provided little information as to how the TES was damaged, though the individuals interviewed indicated that the TES had been damaged for at least six months. The CHP removed and packaged the TES for transfer according to a protocol established by Isolite, a specific licensee authorized to receive TES for disposal.

The CHP also removed the plywood header at the TES mounting location as a precaution. The plywood was packaged in a lined, ORM-D box, sealed, marked as potential TES waste, and stored in the store claims area to await the results of surveys to determine whether it was contaminated. The CHP, after cleaning the mounting location, conducted swipe surveys of the areas around deemed likely to have become contaminated by wiping a 100 cm² area (approximately 4 X 4 inches) with a paper disk. The CHP also took swipe surveys of a forklift commonly used in the location of the TES that may have hit the TES. The disks were then placed in 7 ml vials and shipped to Dade Moeller's certified laboratory. The results appear in Table 1.

Table 1. Removable Contamination Monitoring (100 cm² swipe samples).

Description, Location	Results (dpm/100 cm ²)*
Field Blank	-7
4" above TES - plywood	5
4" left of TES - plywood	-1
4"right of TES - plywood	0
2" below TES - plywood	4
Field Blank	12
Floor , north of TES	5
Floor , south of TES	2
Floor below TES	3
Floor below TES	7
Field Blank	-7
Supply Kit	12
Exterior of box with TES	3
Exterior of box with TES	2
Exterior of box with TES	-2
Interior of ORMD box containing TES	9
Exterior of ORMD box containing TES	-2
Exterior of potential waste box	0
Exterior of sample vials	0
Supply Kit	-1
Field Blank	0
Fork Lift	-2
Fork Lift	46
Field Blank	-6

*MDA=25 dpm

The results do not reveal any areas with significantly elevated levels of removable contamination. Because no contamination was present on the removed plywood, the CHP informed Wal-Mart that it could dispose of the box as sanitary waste. Because the area is safe for unrestricted use, the CHP concluded that no additional action is necessary.

B. Shipping Details

Wal-Mart transferred the damaged TES frame to a specific licensee authorized to receive the damaged TES on June 24, 2008. Wal-Mart sent a report of that transfer to the NRC on July 24, 2008.