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Environmental Services

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October 8, 2008

Dr. 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 September 5, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart provided the U.S. Nuclear Regulatory Commission ("NRC") with a report regarding one damaged tritium exit sign ("TES") that it discovered at store #1315, located in Cheyenne, Wyoming. In that report, Wal-Mart committed to provide a supplemental report regarding a visit by a Wal-Mart representative and a Certified Health Physicist from Dade Moeller & Associates to that store. 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>
310218	11.5	After 04/2008 (est.)	2032 Dell Range Blvd., Cheyenne, WY

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.

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

FSME - GDE10 - SUNS1 REVIEW COMPLETE

Publically Available

208/10/07.

FSME10

Attachment A

A. Actions Taken

On August 27, 2008, a Wal-Mart representative and a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited store #1315 in Cheyenne, Wyoming to conduct radiological surveys, package the tritium exit sign (“TES”) for disposal, and decontaminate the areas to ALARA levels, as necessary. As reported on September 5, 2008, the CHP removed and packaged the TES for transfer according to protocols established by Isolite, a specific licensee authorized to receive TES for disposal. Interviews with store managers and associates did not provide any information as to when or how the TES was damaged.

The CHP, after removing the TES, cleaned the mounting location and conducted swipe surveys of the areas deemed likely to have become contaminated by wiping a 100 cm² area (approximately 4 X 4 inches) with a paper disk. 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 Surveys.

Description, Location	Swipe Results (dpm/100 cm ²)
Field Blank	-9
Header, ~4 ft right of TES mounting location	3
Header, ~3 ft right of TES mounting location	3
Header, ~4 ft right of TES mounting location	-4
Header, ~5 ft right of TES mounting location	0
Header, ~4 ft left of TES mounting location	-1
Header, ~3 ft left of TES mounting location	-6
Header, ~2 ft left of TES mounting location	-9
Header, ~1 ft left of TES mounting location	3
TES mounting location after cleaning	17
Field Blank	2
TES mounting location after cleaning	1
Wall left of Doorway	-1
Wall right of Doorway	-3
Floor beneath TES mounting location	-11
Package Smear	-5

¹For dpm/100 cm² background is subtracted and a nominal detection efficiency of 30 percent is assumed. Actual probe area is 126 cm², and the instrument is calibrated with the screen in place. Results are divided by 1.26 to correct to 100 cm².

The results do not reveal any areas with significantly elevated levels of removable contamination. 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 to a specific licensee authorized to receive damaged TES on August 27, 2008. Wal-Mart sent the NRC a report of that transfer on September 26, 2008.