

Environmental Services

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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 Signs

Dear Dr. Miller:

On July 15, 2008, consistent with 10 CFR§ 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") provided the U.S. Nuclear Regulatory Commission ("NRC") a report regarding two damaged tritium exit signs ("TES") that it discovered at store #5384, located in Bridgeton, New Jersey. In that report, Wal-Mart committed to provide a supplemental report regarding a visit by a 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>
347215	11.5	unknown	1130 Hwy. 77, Bridgeton, NJ
347231	11.5	unknown	1130 Hwy. 77, Bridgeton, NJ

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

Attachment

FSMB - GDB 10 - SUNSS REVIEW COMPLETE

"PUBLICALLY AVAILABLE"

09/16/2008

FSMETO

Attachment A

A. Actions Taken

On July 30, 2008, a Health Physicist ("HP") from Dade Moeller & Associates ("Dade Moeller") visited Wal-Mart store #5384 in Bridgeton, New Jersey to conduct radiological surveys, package the tritium exit sign ("TES") for disposal, and decontaminate the areas to ALARA levels, as necessary. The HP removed and packaged both TES for transfer according to a protocol established by Isolite, a specific licensee authorized to receive TES for disposal. Interviews with the store managers and associates provided no information as to when or how the TES were damaged.

The HP, after removing the TES, cleaned the mounting locations 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 and Table 2 for TES Serial #347231 and TES Serial #347215, respectively.

Table 1. Removable contamination surveys for TES Serial #347231

Description, Location	Results ¹ (dpm/100 cm ²)
TES mounting location, Pre-Cleaning	150
Floor directly beneath mounting location Pre-Cleaning	9
Right of mounting location Post-Cleaning	26
Left of mounting location Post-Cleaning	45
Below mounting location Post-Cleaning	31
TES mounting location Post-Cleaning	51
Right of mounting location Post-Cleaning	15
Left of mounting location Post-Cleaning	26
Floor directly beneath mounting location Post-Cleaning	7
Field Blank - Control	3

¹ Net results; average background of 8.7 cpm H-3

Table 2. Removable contamination surveys for TES Serial #347215

Swipe No.	Description, Location	Results ¹ (dpm/100 cm ²)
1	Wall behind TES mounting location, Pre Cleaning	130
2	Floor directly beneath mounting location Pre Cleaning	200
3	Wall right of mounting location Post Cleaning	18
4	Wall left of mounting location Post Cleaning	11
5	Wall below mounting location Post Cleaning	20
6	Wall behind TES mounting location Post Cleaning	22
7	Floor right of mounting location Post Cleaning	120
8	Floor left of mounting location Post Cleaning	5
9	Floor directly beneath mounting location Post Cleaning	22
10	Field Blank - Control	12

¹ Net results; average background of 8.7 cpm H-3

The results do not reveal any areas with significantly elevated levels of removable contamination. Because the area is safe for unrestricted use, the HP 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 July 30, 2008. Wal-Mart sent the NRC a report of that transfer on August 28, 2008.