



Environmental Services

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September 5, 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: Supplement Report of Damaged Tritium Exit Sign

Dear Dr. Miller:

On July 23, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") sent the U.S. Nuclear Regulatory Commission ("NRC") a report regarding one damaged tritium exit sign ("TES") that it discovered at store #1759, located in Gloucester, Virginia. In that report, Wal-Mart committed to provide a supplemental report regarding a visit by 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>
unknown	20.0 (est.)	unknown	6819 Waltons Lane, Gloucester, VA

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

FSME. 60010 - SUNSET REVIEW COMPLETE

"PUBLICLY AVAILABLE"

09/10/2008

FSME10

Attachment A

A. Actions Taken

On July 22, 2008, a Certified Health Physicist ("CHP") from Dade Moeller & Associates ("Dade Moeller") visited Wal-Mart store #1759 in Gloucester, Virginia to conduct radiological surveys, package the tritium exit sign ("TES") for disposal, and decontaminate the areas to ALARA levels, as necessary. 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. Interviews with the store managers and associates provided no information as to how the TES was damaged, though one individual indicated that the TES had been damaged "as long as the store has been open [February, 1992]."

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 locations of those swipes are shown in Figure 1. The disks were then placed in 7 ml vials and shipped to Dade Moeller's certified laboratory. The results appear in Table 1.

Figure 1. Locations of removable contamination swipes

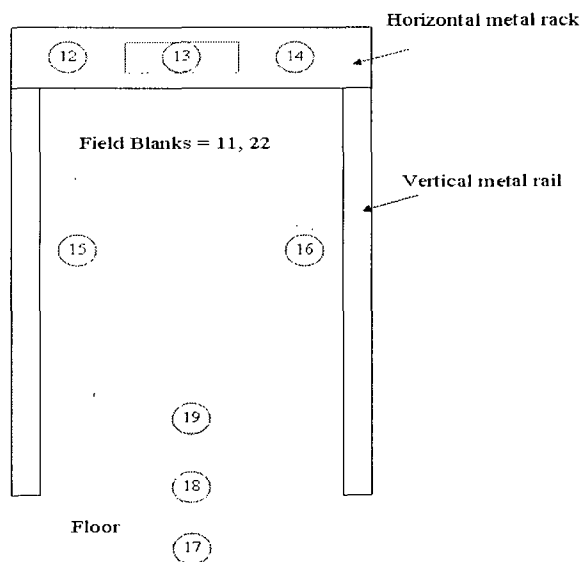


Table 1. Removable Contamination Surveys

Swipe No.	Description, Location	Results (dpm/100 cm ²)
11	Field blank	6
12	Horizontal metal rack, 0-4" left of TES	28
13	Horizontal metal rack, behind removed TES	8
14	Horizontal metal rack, 0-4" right of TES	9
15	Left vertical metal rail, ~5' above floor	5
16	Right vertical metal rail, ~5' above floor	2
17	Cement floor, 6' in front of door	9
18	Cement floor, directly below TES	4
19	Cement floor, 6' behind	0.3
20	Package Smear	5
21	Package Smear	-0.7
22	Field Blank	-4

Net results; average background = 8.3 cpm H-3. MDA = 23.2 dpm 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 CHP concluded that no additional action is necessary.

B. Shipping Details

Wal-Mart transferred the damaged TES to a specific licensee authorized to receive the damaged TES on July 30, 2008. Wal-Mart sent the NRC a report of that transfer on August 28, 2008.