

"Saving People Money So They Can Live Better"



## Environmental Services

Rich Dailey, Sr. Director

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October 29, 2008

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

Subject: Supplemental Report of Damaged Tritium Exit Signs

Dear Dr. Miller:

On September 25, 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 report regarding two damaged tritium exit signs ("TES") that it discovered at store #2331, located in Waterford, Connecticut. 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>
286467	20.0	Prior to 06/2008 (est.)	155 Waterford Parkway N., Waterford, CT
286504	20.0	Prior to 06/2008 (est.)	155 Waterford Parkway N., Waterford, CT

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.

FSBME-60210 - SUNST REVIEW COMPLETE

"PUBLICLY AVAILABLE"

10/31/2008

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

FSME10

## Attachment A

### A. Actions Taken

On September 25, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited Wal-Mart store #2331 in Waterford, Connecticut to conduct radiological surveys, package the tritium exit signs (“TES”) for disposal, and decontaminate the areas to ALARA levels, as necessary. The CHP removed and packaged both TES for transfer according to protocols established by Isolite, a specific licensee authorized to receive TES for disposal. Interviews with store managers and associates provided no additional information as to when or how the TES were damaged.

The CHP, 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 cm<sup>2</sup> 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 #286467 and TES Serial #286504, respectively.

**Table 1.** Removable Contamination Surveys for TES Serial #286467

Description, Location	Results (dpm/100 cm <sup>2</sup> )
<b>Removable Contamination Surveys</b>	
Field Blank	-12
Field Blank	1
Header left of TES mounting location, pre cleanup	23
Header behind TES mounting location, pre cleanup	305
Header right of TES mounting location, pre cleanup	1
Header left of TES mounting location, post cleanup	-2
Header behind TES mounting location, post cleanup	0
Header right of TES mounting location, post cleanup	10
Floor beneath TES left, pre cleanup	59
Floor beneath TES right, pre cleanup	39
Floor beneath TES left, post cleanup	3
Floor beneath TES right, post cleanup	-8
Floor directly beneath TES, pre clean up	-5
Floor directly beneath TES , post clean up	-4

**Table 2. Removable Contamination Surveys for TES Serial #286504**

Swipe No.	Description, Location	Results (dpm/100 cm <sup>2</sup> )
<b>Removable Contamination Surveys</b>		
57	Header, left of TES mounting location, post clean up	12
58	Header, center, TES mounting location, post clean up	29
59	Header, right of TES mounting location, post clean up	-4
60	Floor directly beneath TES, post cleanup, post cleanup	-10
61	TES Shipping box	5
62	TES Shipping box	1

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 TES to a specific licensee authorized to receive damaged TES on September 25, 2008. Wal-Mart sent the NRC a report of that transfer on October 23, 2008.