

"Saving People Money So They Can Live Better"



# Environmental Services

Rich Dailey, Sr. Director

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September 29, 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 15, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") provided the Nuclear Regulatory Commission ("NRC") with a report regarding one damaged tritium exit sign ("TES") that it discovered at store #1987, located in Lapeer, Michigan. 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>
310769	20.0	Before 05/2006 (est.)	555 E. Genesee, Lapeer, MI

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

*FSMC-60210 - SUNSI REVIEW COMPLETE*

*PUBLICLY AVAILABLE -*

*10/01/2008*

*FSMETO*

## Attachment A

### A. Actions Taken

On August 26, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited #1987 in Lapeer, Michigan to conduct radiological surveys, package the tritium exit sign (“TES”) for disposal, and decontaminate the area to ALARA levels, as necessary. As reported on September 15, 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 the store managers and associates did not provide any additional 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 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.

**Table 1.** Removable Contamination Surveys

Description, Location	Results <sup>1</sup> (dpm/100 cm <sup>2</sup> )
Bottom edge of TES, before removal	260
Plywood below TES, before removal	21
Floor below TES, before removal	1
Plywood left of TES mounting location, after cleaning	17
Plywood at TES mounting location, after cleaning	100
Plywood right of TES mounting location, after cleaning	27
Floor below and left of TES mounting location, after cleaning	4
Floor below TES mounting location, after cleaning	8
Floor below and right of TES mounting location, after cleaning	17
TES shipping box	1
Field blank	7
Equipment box	5

<sup>1</sup> Net results; average background of 19.3 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 damaged TES on August 27, 2008. Wal-Mart sent the NRC a report of that transfer on September 26, 2008.