

"Saving People Money So They Can Live Better"



# Environmental Services

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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 August 27, 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 of one damaged tritium exit sign ("TES") that it discovered at store #1371, located in Columbus, Indiana. 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>
270084	20.0	Prior to 07/2006 (est.)	735 Whitfield Dr., Columbus, IN

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.

*FSME - CODE 10 - SUNSI REVIEW COMPLETE*

*PUBLICALLY AVAILABLE*

*10/01/2008*

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

*FSME10*

## Attachment A

### A. Actions Taken

On August 21, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited Wal-Mart store #1371 in Columbus, Indiana to conduct radiological surveys, package the remaining tritium exit sign (“TES”) for disposal, and decontaminate the areas to ALARA levels, as necessary. As reported on August 27, 2008, 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 additional information as to when or how either 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	100
Sheetrock below TES, before removal	12
Sheetrock left of TES mounting location, after cleaning	1
Sheetrock behind TES mounting location, after cleaning	16
Sheetrock right of TES mounting location, after cleaning	0.3
Floor below and left of TES mounting location, after cleaning	5
Floor below TES mounting location, after cleaning	7
Floor below and right of TES mounting location, after cleaning	4
Exterior of TES shipping box	4
Field blank	-2

<sup>1</sup> Net results; average background of 22.7 dpm.

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 22, 2008. Wal-Mart sent the NRC a report of that transfer on September 19, 2008.