



# Environmental Services

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October 8, 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 9, 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 its store #8163, located in Columbia, Missouri. In that report, Wal-Mart committed to provide a supplemental report regarding a visit by a Wal-Mart representative and 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>
300110	11.5	After 04/21/2008 (est.)	101 Conley Rd., Columbia, MO

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

*FSME - Code 10. SUNSS REVIEW COMPLETE*

*"PUBLICALLY AVAILABLE"*

*2008/10/07.*

*FSME10*

## Attachment A

### A. Actions Taken

On August 20, 2008, a Wal-Mart representative and a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited store #8163 in Columbia, Missouri 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 9, 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 information as to when or how the TES was damaged.

The CHP, after removing the TES, 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> )
1’ right of directly below TES mounting area	-8
1’ toward lower aisle numbers from directly below TES mounting area	-17
Directly below TES mounting area	76
10’ left of TES mounting area	-8
Field Blank	-14
TES box	-9

<sup>1</sup>Net results; average background of 29 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 August 20, 2008. Wal-Mart sent the NRC a report of that transfer on September 18, 2008.