



# Environmental Services

Rich Dailey, Sr. Director  
Radiation Safety Officer

1300 SE 8<sup>th</sup> Street, MS 0605  
Bentonville, AR 72716-0605  
Phone 479.204.9914  
Rich.Dailey@wal-mart.com  
www.walmart.com

November 20, 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 Sign

Dear Dr. Miller:

On October 10, 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 one damaged tritium exit sign ("TES") that it discovered at store #2084, located in Bozeman, Montana. 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>Date of Damage</u>	<u>Store Location</u>
296389	20.0	Prior to 06/2008 (est.)	1500 N. 7th Ave., Bozeman, MT

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

*FSME- CDE 10 - SUNSI Review COMPLETE  
"PUBLICLY AVAILABLE"*

*2/18/12/08*

*FSME10*

## Attachment A

### A. Actions Taken

On September 23, 2008, a Certified Health Physicist ("CHP") from Dade Moeller & Associates ("Dade Moeller") visited Wal-Mart store #2084 in Bozeman, Montana to conduct radiological surveys, package the tritium exit sign ("TES") for disposal, and decontaminate the areas to ALARA levels, as necessary. As reported on October 10, 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 store managers and associates provided no 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 (dpm/100 cm <sup>2</sup> )
Plywood, center of TES mounting location, before cleaning	39
Plywood, 4 in left of TES mounting location, after cleaning	8
Plywood, 4 in right of TES mounting location, after cleaning	9
Drywall, directly below TES mounting location, after cleaning	-1
Plywood, center of TES mounting location, after cleaning	21
Floor, directly below TES mounting location, before cleaning	8
Floor, 6 in left of TES mounting location, after cleaning	8
Floor, 6 in right of TES mounting location, after cleaning	5
Floor, directly below TES mounting location, after cleaning	10
Field blank	12
TES shipping box	4

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 September 23, 2008. Wal-Mart sent the NRC a report of that transfer on October 23, 2008.