



## 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

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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 Signs

Dear Dr. Miller:

On August 29, 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 supplemental report regarding two damaged tritium exit signs ("TES") that it discovered at store #1356, located in Martinsville, Indiana. In that report, Wal-Mart committed to provide an additional supplemental report regarding as-left contamination levels. 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>
312136	20.0	Prior to 02/2008 (est.)	410 Grand Valley Blvd., Martinsville, IN
unknown	unknown	Prior to 03/2008 (est.)	410 Grand Valley Blvd., Martinsville, 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.

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

*FSME - Check - LENSE Review Complete*

*"Publicly Available"*

*2008/10/09.*

*FSME 10*



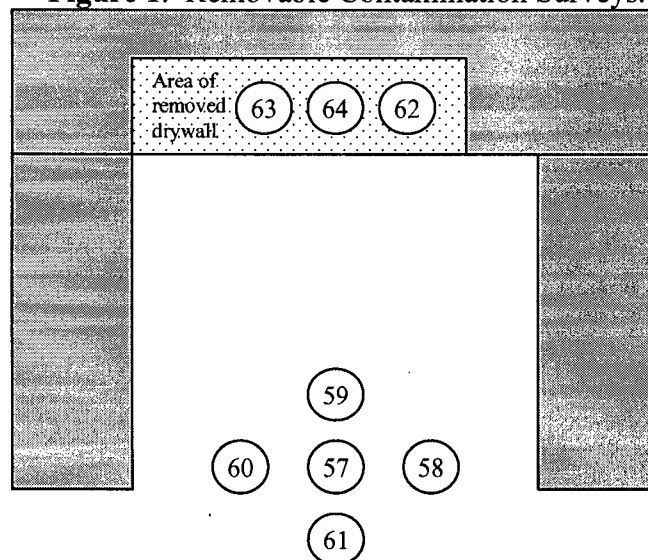
## Attachment A

### A. Actions Taken

After detecting one area of significantly elevated removable contamination at the mounting location of TES Serial #312136, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates ( “Dade Moeller”) returned to Wal-Mart store #1356 in Martinsville, Indiana on August 28, 2008, to decontaminate that area. Because of the contamination detected at that mounting location, the CHP removed the drywall from the wall in that area. The drywall was packaged in a lined, ORM-D box, sealed, marked as TES waste, and stored in the store claims area. A waste broker will be contacted to pick up and ship the waste to a low-level waste depository for disposal.

The CHP, after removing the drywall and cleaning the mounting location area with 91% isopropyl alcohol, conducted swipe surveys by wiping a 100 cm<sup>2</sup> area (approximately 4 X 4 inches) with a paper disk. The locations of those swipes are shown in Figure 1. The disks were then placed in 7 ml vials and shipped to Dade Moeller’s certified laboratory. The results appear in Table 1.

**Figure 1. Removable Contamination Surveys.**





**Table 1. Removable Contamination Surveys.**

Swipe No.	Description, Location	Results (dpm/100 cm <sup>2</sup> )
56	Field Blank	11
57	Floor under TES mounting location	2
58	Floor, 2 feet right of swipe 57	6
59	Floor, 2 feet behind swipe 57	10
60	Floor, 2 feet left of swipe 57	-3
61	Floor, 2 feet in front of swipe 57	8
62	1 foot right of TES mounting location after drywall removal	93
63	1 foot left of TES mounting location after drywall removal	4
64	TES mounting location after drywall removal	50
65	Waste package top and sides	12
66	Waste package bottom and sides	-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.