



Environmental Services

Rich Dailey, Sr. Director

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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 September 26, 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 #2417, located in Petoskey, 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>
248142	20.0	unknown	1600 Anderson Rd., Petoskey, 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

FSMETO

Attachment A

A. Actions Taken

On October 1, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited store #2417 in Petoskey, Michigan to conduct radiological surveys, package the tritium exit sign (“TES”) for disposal, and decontaminate the areas to ALARA levels, as necessary. 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 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 cm² 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 ²)
Bottom edge of sign, before removal of TES	540
Sheetrock below sign, before removal of TES	110,000
Floor under sign, before removal of TES	-13
Sheetrock header, left of sign location, after cleaning	37
Sheetrock header, behind sign location, after cleaning	1,300
Sheetrock header, right of sign location, after cleaning	32
Sheetrock below sign, after TES removal and cleaning	1,400
Floor, below and left of sign location, after cleaning	1,600
Floor, below sign location, after cleaning	790
Floor, below and right of sign location, after cleaning	870
TES shipping box	100
Field blank	32

The results show three areas with significantly elevated levels of removable contamination around the TES mounting location and on the floor below the TES mounting location. Accordingly, a CHP returned to the store to decontaminate the areas to ALARA levels on October 28, 2008. Wal-Mart anticipates providing the NRC with an additional supplemental report by November 27, 2008.

B. Shipping Details

Wal-Mart transferred the damaged TES to a specific licensee authorized to receive damaged TES on October 2, 2008. Wal-Mart sent the NRC a report of that transfer on October 31, 2008.