

**TREAT AS
SENSITIVE
INFORMATION**



Environmental Services

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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 June 6, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart provided the U.S. Nuclear Regulatory Commission ("NRC") with a supplemental report regarding one damaged TES that it discovered at its store #1685 located in Pierre, South Dakota. In that report, Wal-Mart committed to provide a supplement report regarding as-left contamination levels. That additional supplement 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>
298043	11.5	01/2006 (est.)	1730 N. Garfield Rd., Pierre, SD

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

FSME10

Attachment A

A. Actions Taken

On June 11, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited store #1685 in Pierre, South Dakota. Interviews with store managers and associates did not provide any additional information as to exactly when or how the TES was damaged. The CHP removed and packaged the TES for transfer according to protocols established by Isolite, a specific licensee authorized to receive TES for disposal.

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 Monitoring (100 cm² swipe samples).

Description, Location	Results (dpm/100 cm ²)
Floor below TES	1,200
Floor approximately six feet in front of the TES	24,000
Bottom of header, below TES (removed)	200
Immediately left of the TES (removed)	500
Immediately right of the TES (removed)	1,800
Header, above the TES (removed)	600
Top of header	200
Behind TES (removed)	16,000
Blank	300
Package	400
Package	50
Blank	30

Areas with significantly elevated activity were detected on and around the plywood header at the previous TES mounting location (1,800 dpm/100 cm² and 16,000 dpm/100 cm²), and on the floor around the TES mounting location (1,200 dpm/100 cm² and 24,000 dpm/100 cm²). Because of the elevated activity detected around the plywood header at the mounting location, the CHP removed the plywood from the wall at this location. After removing the plywood, all removable contamination levels on the wall around the TES were less than 1000 dpm/100 cm². The plywood was packaged in a lined, ORM-D box, sealed, marked as TES waste, and stored in the store claims area. Wal-Mart will contact a waste broker to pick up and ship the waste for disposal to a low-level waste depository. The CHP concluded that no additional action is necessary because the current contamination levels on the floor present little hazard to individuals working in the area.

B. Shipping Details

Wal-Mart transferred the damaged TES to a specific licensee authorized to receive the damaged TES on June 11, 2008. Wal-Mart will send the NRC a report of that transfer within 30 days of that transfer date.