

**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 Signs

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 #1315 located in Cheyenne, Wyoming. In that report, Wal-Mart committed to provide an additional supplement report regarding as-left contamination levels. That additional supplement report is provided herein as Attachment A, including information on a second damaged TES that was discovered subsequent to the June 6, 2008 supplemental report.

Information on the damaged TES is provided below:

<u>Serial #</u>	<u>Curies</u>	<u>Damage Date</u>	<u>Store Location</u>
310215	11.5	Prior to 5/2007 (est.)	2032 Dell Range Blvd., Cheyenne, WY
310216	11.5	unknown	2032 Dell Range Blvd., Cheyenne, WY

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

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Attachment A

A. Actions Taken

On June 10, 2008, a Certified Health Physicist (“CHP”) from Dade Moeller & Associates (“Dade Moeller”) visited store #1315 in Cheyenne, Wyoming. During this visit, the CHP discovered a second damaged TES, TES Serial #310216, with damaged tritium-containing tubes. This TES, along with the first one, was located in the non-public receiving area of the store. Interviews with store managers and associates did not provide any information as to when or how either TES was damaged. The CHP removed and packaged both TES for transfer according to protocols established by Isolute, a specific licensee authorized to receive TES for disposal.

The CHP, after removing the TES, cleaned the mounting locations 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 and Table 2 for TES Serial #310215 and TES Serial #310216, respectively.

The CHP also removed the plywood behind both TES mounting locations as a precaution. The plywood was packaged in a lined, ORM-D box, sealed, marked as potential TES waste, and stored in the store claims area to await the results of surveys to determine whether it was contaminated. The results appear in Table 1.

Table 1. TES 310215 Removable Contamination Monitoring (100 cm² swipe samples).

Description, Location	Results ¹ (dpm/100 cm ²)
Field Blank	3
Plywood header where TES was mounted (removed)	46
Header where TES was mounted, after 3 cleaning wipes	13
Floor directly underneath TES	20
Floor underneath TES after 3 cleaning wipes	-4
Floor underneath TES, left	-0.5
Floor underneath TES, right	-0.3
Box Swipes	
Outside of TES shipping box	-1
Outside of TES shipping box	3
Outside of potential TES waste box	0
Outside of potential TES waste box	-6

¹ Net results; average background = 36.9 dpm H-3

Table 2. TES 310216 Removable Contamination Monitoring (100 cm² swipe samples).

Swipe No.	Description, Location	Results ¹ (dpm/100 cm ²)
61	Field Blank	-0.7
62	Plywood header where TES was mounted (removed)	6
63	Header where TES was mounted, after 3 cleaning wipes	4
64	Floor directly underneath TES	-11
65	Floor underneath TES after 3 cleaning wipes	-3
66	Floor underneath TES, left	-2
67	Floor underneath TES, right	-2

¹ Net results; average background = 36.9 dpm H-3

The results do not reveal any areas with significantly elevated levels of removable contamination. Because no contamination was present on the removed plywood, the CHP informed Wal-Mart that it could dispose of the box as sanitary waste. 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 June 10, 2008. Wal-Mart will send the NRC a report of that transfer within 30 days of that transfer date.