

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 July 18, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") provided the U.S. Nuclear Regulatory Commission ("NRC") a report of two damaged tritium exit signs ("TES") that it discovered at store #5443, located in Indianapolis, Indiana. In that report, Wal-Mart committed to provide a supplemental report regarding a visit by a 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>
304856	11.5	unknown	4650 S. Emerson Ave., Indianapolis, IN
304857	11.5	unknown	4650 S. Emerson Ave., Indianapolis, 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

Attachment

FSMR-GDE 10 - SUNSI REVIEW COMPLETE

"PUBLICALLY AVAILABLE"

09/10/2008

FSME10

Attachment A

A. Actions Taken

On July 23, 2008, a Health Physicist ("HP") from Dade Moeller & Associates ("Dade Moeller") visited Wal-Mart store #5443 in Indianapolis, Indiana to conduct radiological surveys, package the remaining tritium exit sign ("TES") for disposal, and decontaminate the areas to ALARA levels, as necessary. As reported, Shaw Group, Inc. had packaged and removed TES Serial #304856 during its earlier visit on June 19, 2008. The HP removed and packaged TES Serial #304857 for transfer according to a protocol established by Isolite, a specific licensee authorized to receive TES for disposal. Interviews with the store managers and associates provided no information as to when or how either TES was damaged.

The HP, 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 #304857 and TES Serial #304856, respectively.

Table 1. Removable Contamination Surveys for TES Serial #304857

Description, Location	Results (dpm/100 cm ²) ^{a,b}
Left of mounting location prior to TES removal and cleaning	22
Right of mounting location prior to TES removal and cleaning	4
Field Blank	10
Right of mounting location after TES removal and cleaning	.6
Left of mounting location after TES removal and cleaning	15
Mounting location after TES removal and cleaning	7
Floor left of mounting location after TES removal and cleaning	2
Floor right of mounting location after TES removal and cleaning	-11

^a Net results for Swipe #'s 85-90; average background = 11.4 dpm H-3.

^b Net results for Swipe #'s 29 and 30; average background = 23.4 dpm H-3.

Table 2. Removable Contamination Surveys for TES Serial #304856

Description, Location	Results (dpm/100 cm ²) ^a
Floor – to Fire Corridor area	14
Floor – to outside area	18
Right of mounting location	-1
Left of mounting location	7
Field Blank	7

^a Net results; average background = 11.4 dpm H-3.

The results do not reveal any areas with significantly elevated levels of removable contamination. Because the area is safe for unrestricted use, the HP concluded that no additional action is necessary.

B. Shipping Details

Wal-Mart transferred TES Serial #304856 and TES Serial #304857 to a specific licensee authorized to receive the damaged TES on June 19, 2008 and July 23, 2008, respectively. Wal-Mart sent a report of the transfer of TES Serial #304856 to the NRC on July 18, 2008. Wal-Mart sent the NRC a report of the transfer of TES Serial #304857 on August 22, 2008.