



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 August 21, 2008, consistent with 10 CFR § 31.5(c)(5), Wal-Mart Stores, Inc. ("Wal-Mart") provided the U.S. Nuclear Regulatory Commission ("NRC") a supplemental report of one damaged tritium exit sign ("TES") that it discovered at store #1005, located in Waverly, Iowa. In that report, Wal-Mart committed to provide a further 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>
364954	11.5	unknown	2700 4th St. SW, Waverly, IA

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 - CODE 10 - SOURCE REVIEW COMPLETE

"PUBLICALLY AVAILABLE"

09/15/2008

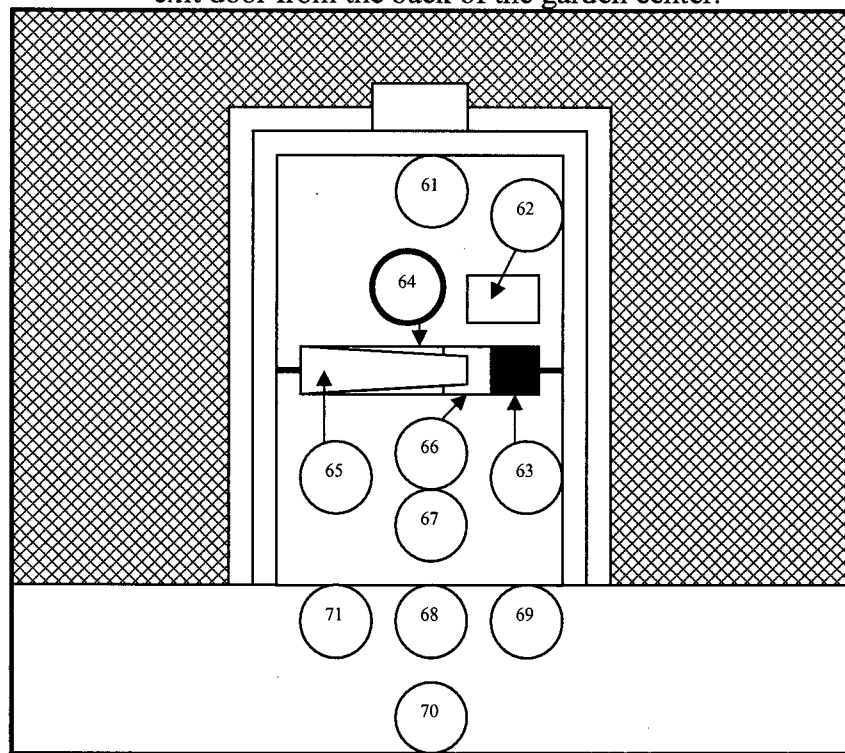
FSME10

Attachment A

A. Actions Taken

After previously detecting one area ~~one area~~ with significantly elevated levels of removable contamination on the crash bar on the door below the tritium exit sign ("TES") mounting location, a Certified Health Physicist ("CHP") from Dade Moeller & Associates ("Dade Moeller") returned to Wal-Mart store #1005 in Waverly, Iowa on August 20, 2008, to decontaminate the area. The CHP cleaned the floor below the mounting location with 91% isopropyl alcohol. The CHP then conducted swipe surveys by wiping a 100 cm² 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. Locations of removable contamination swipes;
exit door from the back of the garden center.



○ Darkened circle indicates location of smear with elevated result from previous store visit.

Table 1. Post Decontamination Removable Contamination Surveys

Location Number	Location	Results ¹ (dpm/100 cm ²)
60	1 st field blank	-15
61	Top of door	-6
62	Braille exit sign	-18
63	Black plastic alarm key box	-16
64	Mounting bar	-9
65	Push bar	-0.7
66	Push bar anchor	11
67	Bottom of door	-7
68	Floor under sign	-6
69	Floor 1 ft right of swipe 68	-6
70	Floor 1 ft in front of swipe 68	-7
71	Floor 1 ft left of swipe 68	10
72	2 nd field blank	-9
73	Inner package	-2
74	1 st outer package	-14
75	2 nd outer package	-12

¹Net results; average background = 31.7 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 CHP concluded that no additional action is necessary.