

**HOME OF MOUNTED WARFARE**

**Armor Branch Safety Office  
Fort Knox, Kentucky**

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**SUBJECT: Radiation Incident**

To: *Jeff Griffith*  
*NRC Region II*

Comments: *If you need anything  
else, please call.*

*Thanks,  
Mary Crutcher*

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**Signed: Mary E. Crutcher**

**US ARMY ARMOR CENTER**

ATZK-S (11-9j)

6 May 2003

## MEMORANDUM FOR RECORD

SUBJECT: Missing Tritium Exit Signs

1. Per conversation with Mr. Hector Bermudez, NRC Region II, on 6 May 03, circumstances pertaining to the two missing tritium exit signs will be documented in a Memorandum for Record.

2. Information is as follows:

a. Description of material: Two tritium exit signs manufactured by Safety Light Corporation having an activity of 15 curies each.

b. Description of circumstances under which the loss occurred: On 12 Mar 03 it was discovered that two tritium exit signs were missing from Building 2791 as a result of an inventory by our office. The last documented inventory of these signs was taken on Sep 00 shortly after the ACSS contractor took over DOL/DPW functions through an A76 study (now known as DBOS). Numerous attempts were made to locate all the individuals who had controlled, installed or purchased exit signs. The log book which was used to document the installation of these signs could not be located but Mr. Potter the former IRSO had a copy from a previous incident. This log showed the last installation of any exits signs as Mar 98. The former DOL/DPW workers stated that the log book had been turned over to the contractor on 1 Jun 00.

c. Description of disposition, or probable disposition: After the NRC was notified of the missing exit signs the RSO from DBOS and myself conducted an inventory working off of the last known inventory dated Sep 00. Two exit signs were located in Building 203 which were never shown on the installation log. We determined that these two signs had been installed but no record had been made by the installer.

d. Exposures of individuals to radiation: No exposure to individuals as the signs had been installed properly in Building 203.

e. Action taken to recover material: Material has been accounted for.

f. Procedures to prevent a recurrence: Inventory of all buildings on post is on-going. New inventory will document building number, location within that building, photograph, type of sign (single or double unit), and installation date. Tritium exit signs in Building 2791 will not be installed in Fort Knox buildings per new guidance in NFPA and will be shipped into Waste Storage Area at Rock Island, IL for disposal. DBOS project awaiting funds to replace all signs which were found during our inventory that have reached service life.



MARY E. CRUTCHER  
Installation Radiation Protection Officer