NRC FORM 591M PART 3
(10-2003) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Delta Lighting Corp. **200 Henry Street** **Stamford, Connecticut 06904** REPORT NOS 2005-001	**U.S. Nuclear Regulatory Commission** **Region I, 475 Allendale Road** **King of Prussia, Pennsylvania 19406-1415**

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-17205	06-19244-01	June 8 & 20, 2005
6. INSPECTION PROCEDURES USED	**7. INSPECTION FOCUS AREAS**	**8. INSPECTOR**
87125	03.01 through 03.07	John Nicholson

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
03214	5	Vincent Clark	203-356-9797

[T] Main Office Inspection — Next Inspection Date: June 2010

[ ] Field Office _____

[ ] Temporary Job Site _____

PROGRAM SCOPE

The licensee is a small, two person operation, that manufactures a variety of Department of Defense gun and mortar sight related instruments. The licensee installs tritium sources into the devices and puts them together. The maximum activity for the sealed sources is 15 curies per source. At the time of the inspection the licensee was assembling aiming posts that contain two tritium sources, one is 5 curies the other is 9 curies. The sealed sources are manufactured in Switzerland by MB Microtech. The assembled parts may be shipped to the US Army or another manufacturer such as Seiler Instrument in St. Louis, MO to be incorporated as part of a larger device.

There is a chemical fume hood that is used when the sealed sources are being handled and placed into the devices. A tritium air monitor, an Overhoff Technology Corp. Model 57, is turned on whenever work is conducted in the fume hood. This air monitor is calibrated every 6 months with a Johnson Laboratories Model CL-1 which the licensee states places a known amount of H-3 gas into the Model 57 to check the response. The licensee has not had a broken source since the last inspection. They conduct weekly urine bioassays. The samples are analyzed in house. Monthly surveys for contamination are conducted. Emergency procedures are posted on the chemical fume hood.

The last inventory was performed on May 18, 2004. At that time the amount of activity on hand was 3, 106 curies of H-3.

Note to next inspector:

Delta Lighting is located on the third floor of one of the buildings in a group of warehouse buildings. You can not enter the building at the 200 Henry Street entrance. You have to enter the warehouse complex at the main entrance on Canal Street and park behind the building that Delta is in. Then walk up to the third floor and turn left, d Delta is at the end of the hallway.