

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Detector Electronics Corp 6901 West 110th Street Minneapolis, MN 55438 REPORT NUMBER(S) 2008001	2. NRC/REGIONAL OFFICE REGION III US NUCLEAR REGULATORY COMMISSION 2443 WARRENVILLE ROAD Lisle IL 60532
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3. DOCKET NUMBER(S) 030 17824	4. LICENSE NUMBER(S) 22-18199-02E	5. DATE(S) OF INSPECTION Sept 15, 2008
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LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

_____ non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

10 CFR 20.1902 requires radiation areas be posted with conspicuous warning signs.

Contrary to the requirement, licensee has a cabinet containing RAM that was not marked.

Licensee took action to post the area.

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE	Tim Ellis		9/15/08
NRC INSPECTOR	G. Parker		9/15/08

Docket File Information
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AND COMPLIANCE INSPECTION**

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3. DOCKET NUMBER(S) 030-17824	4. LICENSE NUMBER(S) 22-18199-02E	5. DATE(S) OF INSPECTION Sept 15, 2008	
6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01 - 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03251	2. PRIORITY 5	3. LICENSEE CONTACT Tim Ellis	4. TELEPHONE NUMBER 952/941-5665
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Main Office Inspection Next Inspection Date: 9/2013

Field Office _____

Temporary Job Site _____

PROGRAM SCOPE

The licensee is the manufacturer of smoke detector sensors containing Kr-85. All operations associated with this license are conducted at the licensee's Minneapolis, Minnesota facilities.

Performance Observations

The inspector toured the licensee facilities and conducted a physical inventory of the subject material. All material was accounted for and no discrepancies in the inventory were observed. The inspector reviewed the distribution log of sensors delivered to customers. Appropriate records of distribution are being kept. The inspector conducted interviews of personnel working in the laboratory spaces and determined that each had an adequate level of knowledge in radiation safety.

The inspector conducted independent measurements and noted that the area where the sensors are stored was not marked with caution radioactive material or radiation area signs. Readings from the storage area were greater than 5 mr/hr. Licensee was cited for a violation of 10 CFR 20.1902. As corrective action, the licensee posted the area appropriately.