

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Detector Electronics Corporation 6901 W. 110th Street Minneapolis, MN REPORT NUMBER(S) 2017-001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-17824	4. LICENSE NUMBER(S) 22-18199-02E	5. DATE(S) OF INSPECTION 7/14/17
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6. INSPECTION PROCEDURES USED 87128	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03251	2. PRIORITY 5	3. LICENSEE CONTACT Joe Schwartzbauer	4. TELEPHONE NUMBER (612) 750-8013
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Main Office Inspection Next Inspection Date: 07/14/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a licensee that conducted distribution of electron tubes containing no more than 30 microcuries of krypton-85 (Kr-85) to persons exempt from licensing. The program scope had not changed much since the previous inspection that was conducted on 5/28/13. Specifically, the licensee is distributing less Kr-85 products (e.g., fire, combustible, and toxic gas detector units) and plans to eventually stop distribution of Kr-85 products in the future. The licensee was authorized to distribute from three facilities; however, the only facility that was used for distribution was 6901 W. 110th Street, Minneapolis, Minnesota.

Performance Observations

The inspector: (1) reviewed Detector Electronics Corporation's State of Minnesota Department of Health's license that authorized krypton-85 gas for research, development, manufacturing, and testing of electron tubes at the same locations as stated on NRC License No. 22-18199-02E; (2) noted that on 2/16/16 the licensee had responded to an NRC request to revise and resubmit its initial exemption distribution report dated 1/22/16 to indicate that the products were transferred for use under 10 CFR 30.15(a)(8)(iv) as required by 10 CFR 32.16(a)(2); (3) reviewed the licensees' exemption distribution reports dated 1/17/14, 1/20/15, and 1/6/17; (4) reviewed selected records showing that licensee employees are aware of the Kr-85 gas in the facility; (5) reviewed selected records of HAZMAT training; (6) interviewed the licensee's Trade Compliance Specialist and reviewed selected records showing that Kr-85 products were not exported to embargoed destinations listed in 10 CFR 110.28; (7) observed a licensee employee demonstrate how he had packaged and labeled packages for Kr-85 products exemption distribution; and (8) observed a package that contained Kr-85 products and noted that the package was as required and it was properly prepared for distribution of electron tubes containing no more than 30 microcuries of Kr-85 to persons exempt from licensing.

No violations of NRC requirements were identified during this inspection.