

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: American Red Cross Southeastern Michigan Region 100 Mack Avenue Detroit, MI 48232-5351 REPORT NUMBER(S) 2017001	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) 030-31688	4. LICENSE NUMBER(S) 21-15436-02	5. DATE(S) OF INSPECTION March 3, 2017
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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:

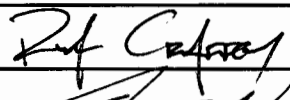

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
 (Violations and Corrective Actions)

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'S REPRESENTATIVE			
NRC INSPECTOR	Ryan Craffey		3/8/17
BRANCH CHIEF	Aaron McCraw		3/9/17

Docket File Information
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6. INSPECTION PROCEDURES USED 87122	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03510	2. PRIORITY 5	3. LICENSEE CONTACT Jennifer Gargan, RSO	4. TELEPHONE NUMBER (313) 576-4159
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Main Office Inspection Next Inspection Date: 3/8/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of the Michigan Regional Office of the American Red Cross. The office, located in Detroit, Michigan, was authorized to possess a Nordion Gammacell 1000 Elite-B self-shielded irradiator for the irradiation of biological specimens. The licensee used this unit in the manufacture of blood products from local donations. At the time of the inspection, the licensee was undergoing significant reorganization; blood product manufacturing operations were being moved from Detroit to Cleveland, Ohio, and as a result approximately half of involved staff at the Detroit office had been laid off. The licensee was planning on decommissioning and disposing of its self-shielded irradiator in the coming year, and replacing it with an x-ray unit. Until such time, the licensee continued to use the irradiator on a near-daily basis.

PERFORMANCE OBSERVATIONS

The inspector toured the facility in Detroit to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspector conducted independent surveys of restricted and unrestricted areas, and found no exposures above regulatory limits. The inspector interviewed a number of involved staff, and discussed the use and maintenance of the unit, as well as the continued oversight of the radiation safety program. The inspector also reviewed a selection of available records for irradiator maintenance, sealed source leak testing, and radiation safety training.

No violations of NRC requirements were identified as a result of this inspection.