

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Eurofins Scientific 15 Research Park Drive St. Charles, Missouri REPORT NUMBER(S) 14-001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-38742	4. LICENSE NUMBER(S) 24-35149-01	5. DATE(S) OF INSPECTION 10/10/14, with in-office review through 10/21/14	

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	Robert G. Gattone, Jr.	<i>Robert G. Gattone, Jr.</i>	10/23/14
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	10/24/14

Docket File Information

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6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01-03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT James Hatten, RSO	4. TELEPHONE NUMBER (800) 383-0468
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Main Office Inspection Next Inspection Date: 10/10/2019

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an initial inspection. The in-office review included receipt and review of information that was unavailable during the onsite inspection, including information regarding radioactive waste disposal to the sanitary sewer system and licensed material receipt records. The licensee conducted research and development with microcurie quantities of iodine-125 and sulfur-35 at the authorized facility. All radioactive material that was received by the licensee was bound to a chemical. Iodine-125 use was limited to radioimmunoassays (RIAs). Licensed activities were conducted under the supervision of two authorized users about three times per week. No field studies were conducted. The consultant Radiation Safety Officer visited the licensee's facility about once per month.

Performance Observations

The inspector: (1) observed that licensed material was secured as required; (2) observed that the authorized users donned dosimeter badges; (3) reviewed selected area survey records; (4) observed two licensee staff members demonstrate how removable contamination and ambient exposure rate surveys were done, including recognizing survey results exceeding the action levels and how to respond to results above those levels; (5) observed a licensee staff member demonstrate how operability checks were done on a survey instrument prior to use, including a battery check and a constancy check; (6) observed liquid and solid radioactive waste receptacles that were labeled as required; (7) observed a licensee staff member demonstrate how licensed activities were done, including use of personal protection equipment; (8) observed a licensee staff member conduct a physical inventory of licensed material items that were randomly selected by the inspector, and all items were accounted for; (9) observed that selected rooms were posted as required; (10) reviewed sewer disposal records and the bases for the inputs on the records; (11) observed a licensee staff member demonstrate how she would respond to a radioactive spill; (12) reviewed a record showing that the licensee's first receipt of licensed material was after the NRC license was issued; (13) observed a licensee staff member demonstrate how she had done personal radiation surveys prior to leaving the restricted area; (14) measured less than 50 counts per minute with an NRC-owned, calibrated instrument affixed to a pancake probe at selected surfaces of a work area where iodine-125 RIAs were done the previous day, and a licensee staff member measured the same result with a calibrated survey instrument; (15) observed that a radioactive waste storage room contained solid iodine-125 radioactive waste containers that were in decay-in-storage (DIS) and labeled appropriately; and (16) observed an authorized user demonstrate how DIS was done, including associated record keeping.