

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Indiana Department of Homeland Security (IDHS) Indiana State Department of Health (ISDH) Office of State Fire Marshal / HazMat 302 W. Washington St. Indianapolis, IN 46204 REPORT NUMBER(S) 2021-001	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) 030-37731	4. LICENSE NUMBER(S) 13-06028-02	5. DATE(S) OF INSPECTION 3/10-31/2021
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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)

The inspector identified a violation of 10 CFR 20.1101(c). The licensee did not review the annual radiation protection program content and implementation for 2017, 2018, 2019. The root cause of the violation is unfamiliarity with 10 CFR Part 20.1101(c), and staff turnover. Correction Actions: Continue Internal Audits at ISDH and start them at IDHS, and add Radiation Safety and Dosimetry reviews to all Radiation Committee Meetings Agendas, and Regular Reviews of 10 CFR Part 20 updates: All Authorized users on the ISDH/IDHS License need regular and current information on the Radiation Safety Requirements by the NRC. This needs to be a priority to stay up to date on NRC requirements for safe use and handling of radioactive materials on the license.

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	Jane Smith, RSO		
NRC INSPECTOR	Robert G. Gattone, Jr.	Robert G. Gattone	Digitally signed by Robert G. Gattone Date: 2021.03.31 14:38:12 -05'00'
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski	Digitally signed by Michael A. Kunowski Date: 2021.04.01 12:07:17 -05'00'



Materials Inspection Record

1. Licensee Name: Indian Department of Homeland Security		2. Docket Number(s): 030-37731		3. License Number(s) 13-06028-02	
4. Report Number(s): 2021-001			5. Date(s) of Inspection: 3/10-31/2021		
6. Inspector(s): Robert G. Gattone, Jr.		7. Program Code(s): 22110	8. Priority: 3	9. Inspection Guidance Used: 87126	
10. Licensee Contact Name(s): Jane Smith, RSO		11. Licensee E-mail Address: jesmith@isdh.in.gov		12. Licensee Telephone Number(s): 317-921-5515	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 03/10/2024 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was a routine remote inspection. The licensee operated two distinct programs under this license. The first program was a radiochemistry laboratory which analyzed samples for radium content for the State Department of Health. Two technologists worked with radioactive materials in this laboratory. Most samples were water samples from public water supplies analyzed for gross alpha and beta, around 300-400 annually, though the laboratory occasionally performed gamma spec analysis for samples from other branches of the state government. These included primarily check sources for a variety of equipment.

The inspector: (1) obtained information from two locations: 550 W. 16th Indianapolis, Indiana, and 7100 E. Troy Ave., Indianapolis, Indiana; (2) noted Indiana State Department of Health Radiochemistry Laboratory provides support service to Federal, State and Local Agencies for analysis of radioactive materials; (3) noted most of these samples are: Public Water Utility drinking water for gross alpha, gross beta, radium-228, and radium-226 by EPA approved methods; (4) noted Private Drinking or Well Water for gross alpha, gross beta, radium-228, and radium-226 analysis by EPA methods; (5) noted FDA for Food Defense and method development: isotope can vary; (6) noted other samples upon request provides support service to Federal, State and Local Agencies for analysis of radioactive materials; (7) noted most of these samples are: Public Water Utility drinking water for gross alpha, gross beta, radium-228, and radium-226 by EPA approved methods; (8) noted Private Drinking or Well Water for gross alpha, gross beta, radium-228, and radium-226 analysis by EPA methods; (9) noted FDA for Food Defense and method development: isotope can vary; and (10) noted other samples upon request.

The inspector identified a violation of 10 CFR 20.1101(c) regarding annual ALARA program audits, the licensee did not comply with the requirement in 2017, 2018, 2019. The licensee complied with 10 CFR 20.1101(c) in 2020.