



Materials Inspection Report

1. Licensee/Location Inspected: JAN X-Ray Services, Inc. 8550 East Michigan Avenue Parma, MI 49269 Report Number(s) 2022-002	2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. Docket Number(s) 030-11772	4. License Number(s) 21-16560-01	5. Date(s) of Inspection August 29-31, 2022

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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
 - A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
 (Non-cited violation(s) was/were discussed involving the following requirement(s))
 - B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2022.09.09 09:47:35 -04'00'</small>
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.09.14 06:16:50 -05'00'</small>



Materials Inspection Record

1. Licensee Name: JAN X-Ray Services, Inc.		2. Docket Number(s): 030-11772		3. License Number(s) 21-16560-01	
4. Report Number(s): 2022-002			5. Date(s) of Inspection: August 29-31, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 04312	8. Priority: 1	9. Inspection Guidance Used: IP 87121	
10. Licensee Contact Name(s): Travis Rogers - CRSO James Maramba - RSO		11. Licensee E-mail Address: travis.rogers@janxndt.com james.maramba@janxndt.com		12. Licensee Telephone Number(s): 517-945-4192 517-432-4606	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 08/29/2023 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:
 JAN X-Ray Services (JANX) was a large non-destructive testing company authorized to use radioactive material for industrial radiography at numerous field stations and at temporary job sites throughout NRC jurisdiction. The licensee's corporate radiation safety staff were based at the company's main office in Parma, Michigan, as were many of the licensee's radiographers and equipment. At the time of the inspection, the licensee employed over a hundred radiographers and assistants across all jurisdictions.

The inspector visited the main office in Parma to review elements of the licensee's radiation safety program. All areas were adequately posted, and all licensed material was adequately secured and accounted for. The inspector performed independent surveys in the vicinity of material in storage; dose rates in unrestricted areas remained well below regulatory limits to members of the public. The inspector observed the collection of leak tests for sealed sources in storage, preparation of Type B packages for shipment, and demonstrations of survey meter, dosimeter, and alarming ratemeter calibrations. The inspector reviewed a selection of records, including program audits, radiographer audits, equipment receipt and maintenance records (including DU leak test results), instrument calibration records, initial and refresher safety training, and personnel dosimetry reports, which recorded maximum occupational doses of 1,340 mrem DDE in 2021 and 1,235 mrem DDE in 2022 through July 31.

The inspector observed the conduct of licensed activities at four temporary job sites in Michigan: one on the premises of Michigan State University's Facility for Rare Isotope Beams in East Lansing, and three on the premises of natural gas pipeline projects (Homer Road south of Marshall, Cotrell Street in the Delray neighborhood of Detroit, and Miller Road on the south side of Dearborn). The inspector conducted independent and confirmatory surveys in the vicinity of each operation, and found that the crews established adequate barriers to limit exposure to members of the public whenever radiographic operations were in progress. The crews also had and properly used appropriate and operable instrumentation and dosimetry, and adhered to physical presence requirements for radiography. All personnel were knowledgeable and conscientious of radiation protection principles, licensee procedures, and regulatory requirements.

The licensee was previously cited in IR 03011772/2021001(DNMS) for a SLIII problem involving security requirements. The inspector reviewed the licensee's corrective actions, which appeared to be adequate and effective. No subsequent examples of the problem were identified by the licensee during radiographer audits or by the inspector during the course of this inspection. Therefore, this violation is closed.

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