

NRC FORM 591M PART 1
(06-2010)
10 CFR 2.201

U.S NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

JANX Integrity Group
8550 E. Michigan, Parma, MI and 9475 N. Cut Road, Roscommon, MI

2. NRC/REGIONAL OFFICE

Region III
2443 Warrenville Rd.
Lisle, IL 60532

REPORT NUMBER(S): 2011-001

3. DOCKET NUMBER(S)

03011772

4. LICENSEE NUMBER(S)

21-16560-01

5. DATE(S) OF INSPECTION

4/25-26/11

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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

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 D. Gattone, Jr.</i>	5/11/11
Branch Chief	Tamara E. Bloomer	<i>T. Bloomer</i>	5/11/11

NRC FORM 591 M PART 3
(06-2010)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE JANX Integrity Group 1 REPORT NUMBER(S): 2011-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Rd. Lisle, IL 60532	
3. DOCKET NUMBER(S) 03011772	4. LICENSE NUMBER(S) 21-16560-01	5. DATE(S) OF INSPECTION 4/25-26/11	
6. INSPECTION PROCEDURES 87121	7. INSPECTION FOCUS AREAS 02.01-02.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 03320	2. PRIORITY 1	3. LICENSEE CONTACT William Reeve, RSO	4. TELEPHONE NUMBER 517-531-8210, Ext. 1019
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- Main Office Inspection Next Inspection Date: 4/26/12
- Field Office Inspection 8550 E. Michigan, Parma, MI and 9475 N. Cut Road, Roscommon, MI
- Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee used and stored licensed material at two field stations in Michigan and Indiana. The licensee also stored and dispatched licensed material from several field stations located in Michigan, Indiana, Missouri, and West Virginia. The licensee had about 175 radiographers and about 175 radiographer's assistants. The authorized RSO reported to the Safety Director who reported to the Chief Executive Officer. The licensee performed industrial radiography daily at temporary job sites in NRC jurisdiction. A temporary jobsite was not inspected because the opportunity to do so did not allow the inspector to complete the inspection in a reasonable amount of time.

PERFORMANCE OBSERVATIONS

The inspector observed: (1) that monthly dosimetry records indicated that the maximum TEDE doses for 2010 and 2011 (through 2/28) were 3169 and 944 millirem, respectively; (2) records of selected radiographer's training records and certifications; (3) records of selected radiographer's assistant's training records; (4) 0.8 mR/hr at 30 cm from the exterior wall of the source storage room at the Parma facility and a member of the licensee's staff measured the same result with an appropriate, calibrated survey instrument; (5) a maximum of 13 mR/hr at the surface of radiographic exposure devices in a storage room at the Parma facility; (6) a maximum of 2.5 mR/hr at the surface of an overpack containing a radiographic exposure device in a vehicle located at the Roscommon facility; (7) a maximum of 15 mR/hr at the surface of the radiographic exposure device after it was removed from the overpack in the vehicle located at the Roscommon facility, and a radiographer measured the same result with an appropriate, calibrated survey instrument; (8) that selected survey instruments were calibrated as required and had the required range; (9) a radiographer demonstrate how quarterly inspections were done on radiographic equipment; (10) that, although not required to do so, the licensee did not include the misconnect test during quarterly inspections of radiographic equipment; however, the inspector observed an authorized person conduct misconnect tests on selected equipment at both facilities inspected, and they passed; (11) that the licensee committed to conduct misconnect tests during quarterly inspections of radiographic equipment as recommended by the equipment manufacturer; (12) the licensee's record of its 2010 annual audit of the radiation protection program dated 3/11/11; (13) that the licensee used proper shipping papers that were stowed as required; (14) a radiographer demonstrate/describe how he conducted radiography at temporary jobsites, including doing required surveys after source retraction; (15) a radiographer demonstrate how he would respond to a source stuck in the unshielded position based on a scenario posed by the inspector; and (16) a radiographer demonstrate how he would respond to a vehicular accident resulting in damage to a radiographic exposure

device based on a scenario posed by the inspector

NMED No. 100423: in response to the event, a qualified radiographer/Assistant RSO (ARSO) was dispatched to help restrict access to the restricted area while a SPEC source retrieval team was traveling to the event location. The guide tube was slightly dented preventing the source from being cranked back into the camera. Since the weather was very hot when the event occurred and it had significantly cooled down, the ARSO thought the cooler weather may have caused the guide tube to open enough to allow the source to be cranked back into the camera. Therefore, the ARSO tried it and was able to crank the source back into the camera normally. After proper surveys showed the source was properly shielded, the licensee cancelled the request for the SPEC source retrieval team. Based on review of dosimetry data, the individuals involved with the event did not receive radiation doses in excess of regulatory limits. To prevent a similar event, the licensee provided training to applicable people to ensure that piping is secured from movement during radiographic operations. No violations of NRC regulatory requirements were identified regarding the event.