NRC FORM 591M PART 1
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Crane Army Ammunition Activity 300 highway 361 Crane, IN REPORT 10-01	**U.S. Nuclear Regulatory Commission** **Region III** **2443 Warrenville Road** **Suite 210** **Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
030-14708	13-18235-01	8/31/10

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:

[X] 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) was/were discussed involving the following requirement(s) and Corrective Action(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.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

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	Kenneth J. Lambert	Kenneth J. Lambert	8/31/10

NRC FORM 591M PART 3
(10-2003) 10 CFR 2.201

Docket File Information

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Crane Army Ammunition Activity REPORT NUMBER(S) 10-01	**NRC Region III** **2443 Warrenville Road, Suite 210** **Lisle, Illinois 60532-4351**

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
030-14708	13-18235-01	August 31, 2010

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87121	03.01 – 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
3310	2	Walt Shearin, RSO	812-854-1246

[X] Main Office Inspection — Next Inspection Date: August 2012

[ ] Field Office

[ ] Temporary Job Site Inspection

PROGRAM SCOPE

The licensee is a U.S. Army ammunition installation located near Crane, IN, with authorization to use cobalt-60 for industrial radiography in a Picker Cyclops model 590 radiographic exposure device. The device is installed in a permanent radiographic installation and is used for non destructive testing of ammunition. At the time of the inspection the licensee was using the device infrequently; however, they were planning to start radiographic operations the following week. The licensee employs 6 radiography personnel. The licensee also employed a radiation safety officer and an assistant radiation safety officer.

Performance Observations

The inspector interviewed two radiographers who were wearing appropriate dosimetry. The warning devices outside the cell included red flashing lights indicating that the source was exposed. The door was interlocked to the radiography device control panel. The radiographers demonstrated the door interlocks by exposing the source and then opening the door. After opening the door the flashing lights continued to flash. The individuals approached the door with a survey meter and moved into the fixed cell. The radiation measurements indicated background and the monitor in the cell also indicated background and that the source had moved to the shielded position when the door was opened. The licensee committed to fixing the warning light operation prior to conducting any radiographic operations. While the source was exposed the inspector performed a radiation survey around the perimeter of the cell include areas outside. The maximum exposure was 6 millirem per hour on the exterior wall of the cell, but inside the building.

The inspector reviewed radiography device use logs, quarterly maintenance check records, leak test records and inventory records of the cobalt-60 source. The inspector also reviewed dosimetry records with the maximum dose received for 2008 was 9 millirem; for 2009 was 11 millirem; and for the first quarter of 2010 was minimal.

No violations were identified.

1847