

(10-2003)

10 CFR 2.201

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED

Department of the Army
Crane Army Ammunition Activity
Crane, IN 47522-5099

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4351

REPORT 2005-001

3. DOCKET NUMBER(S)

030-14708

4. LICENSEE NUMBER(S)

13-18235-01

5. DATE(S) OF INSPECTION

Oct 19, 2005

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

☒ 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
REPRESENTA
TIVENRC
INSPECTOR

Deborah A. Piskura



10/19/05

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION



1. LICENSEE Crane Army Ammunition Activity REPORT NUMBER(S) 2005-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-14708		4. LICENSE NUMBER(S) 13-18235-01	
5. DATE(S) OF INSPECTION Oct. 19, 2005		6. INSPECTION PROCEDURES USED 87121	
7. INSPECTION FOCUS AREAS 03.01, 03.02, 03.03, 03.04, 03.05, 03.06, and 03.07		8. SUPPLEMENTAL INSPECTION INFORMATION	
1. PROGRAM 03310	2. PRIORITY C 2	3. LICENSEE CONTACT Walter F. Shearin, RSO	4. TELEPHONE NUMBER 812.854.1246
<input checked="checked" type="checkbox"/> Main Office Inspection <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site			
Next Inspection Date: October 2007			

PROGRAM SCOPE

This Department of the Army installation utilized a Picker Cyclops 590 exposure head, containing a cobalt-60 source, for nondestructive examination of projectiles. The unit was installed within an approved permanent radiographic installation (PRI). Radiographic operations were conducted daily by six full-time radiography personnel. At the time of this inspection, the licensee only used its radiographic exposure head occasionally. The majority of the radiographic operations utilized a 360KV x-ray unit located within the vault.

The inspection consisted of interviews with select licensee personnel, review of select records, and independent radiation measurements. This inspection included direct observation of a typical radiography operation within the PRI. One radiographer set up the exposure cell for a typical radiograph using the Cyclops exposure head. The inspector performed a radiation survey around the outside perimeter of the exposure cell. The inspector observed the radiographer as he entered the cell and conducted radiation surveys of the exposure head. The inspector also observed the radiographer's use of safety equipment (survey instrument, film badge, and pocket dosimeter). During this inspection, the inspector also observed the radiographer perform daily tests of the interlocks and area radiation monitor.

The maximum annual TEDE dose to a radiographer was less than 100 millirem.