

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

General Dynamics
Land Systems
35800 Mound Road
Sterling Heights, Michigan 48310

REPORT NUMBER(S) 12-01

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-19731; 040-09029

4. LICENSE NUMBER(S)

21-21068-01; SUB-1564

5. DATE(S) OF INSPECTION

September 19, 2012

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)

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	Andrew M. Bramnik	<i>Andrew M. Bramnik</i>	9/19/2012
BRANCH CHIEF	<i>T. Beamer</i>	<i>[Signature]</i>	9/29/12

Docket File Information

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3. DOCKET NUMBER(S) 030-19731; 040-09029	4. LICENSE NUMBER(S) 21-21068-01; SUB-1564	5. DATE(S) OF INSPECTION September 19, 2012	
6. INSPECTION PROCEDURES USED 87125	7. INSPECTION FOCUS AREAS 03.01 - 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03214; 11300	2. PRIORITY 5	3. LICENSEE CONTACT Boyd (Henry) Rose, RSO	4. TELEPHONE NUMBER (586) 825-4503
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: 09/19/2017			
<input checked="" type="checkbox"/> Field Office Inspection 8000 E. 17 Mile Road, Sterling Heights, MI			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

This was a routine inspection for a Department of Defense contractor that maintained two NRC licenses: a byproduct materials license in order to possess muzzle sighting systems for M1A1 tanks as well as chemical agent detectors; and a source materials license in order to manufacture, possess, and repair armor plating for M1A1 tanks. The licensee employed between 8,000 and 10,000 employees world wide, and approximately 2,500 at the Land Systems corporate headquarters in Sterling Heights, Michigan. Muzzle reference sensors and chemical agent detectors containing byproduct materials were installed or removed from vehicles and tested for successful operations at the licensee's Michigan locations. The licensee only manufactured or assembled products with source materials at its field office in Lima, Ohio. At the time of the inspection, all of the licensee's other locations were used only for possession of source material. Additionally, the licensee had not conducted any manufacturing work at the Lima facility since April 2011.

PERFORMANCE OBSERVATIONS

Interviews with the licensee's staff and management revealed an adequate level of understanding of emergency and material handling procedures and techniques. The inspector toured the licensee's main office and a field location both located in Sterling Heights. The licensee demonstrated how byproduct and source materials were adequately secured and not readily accessible to members of the general public. The licensee's RSO and a staff member described how government furnished equipment containing byproduct materials were received, processed, inventoried, and shipped.

The licensee had performed a prospective evaluation and determined that workers were not required to wear dosimetry badges. Licensee staff members received training that was adequate to familiarize them with radioactive material and the ALARA principle. The licensee's RSO discussed how area surveys and wipe tests were conducted to check for removable contamination at the licensee's different facilities. The inspector confirmed that these activities were routinely and successfully completed by reviewing selected records since the previous inspection, and reviewing the licensee's annual program audit for calendar year 2011. Independent dose and count rate surveys conducted by the inspector did not identify any readings above the limits in 10 CFR Part 20 in unrestricted or restricted areas.

No violations were identified during this inspection.