

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Great Lakes Dredge and Dock Company, LLC 2122 York Rd Oak Brook, IL 60521  REPORT NUMBER(S) 2012-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-18055	4. LICENSE NUMBER(S)  12-20175-01	5. DATE(S) OF INSPECTION  06/26/2012	

**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	E. L. KULZER	<i>E. L. Kulzer</i>	6/26/12
BRANCH CHIEF	T. E. BLOOMER	<i>T. E. Bloomer</i>	8/17/12

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  IP 87124	7. INSPECTION FOCUS AREAS  03.01-03.07	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  3120	2. PRIORITY  5	3. LICENSEE CONTACT  Glenn D. Thomas	4. TELEPHONE NUMBER  (410) 631-7145
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Main Office Inspection      Next Inspection Date: 6/26/2017  
 Field Office Inspection  
 Temporary Job Site Inspection

**PROGRAM SCOPE**

The licensee has 19 vessels at various locations along the east coast of the United States. The licensee possesses 27 specifically licensed fixed gauges used in the dredging operations. Currently, three individuals are involved with use and oversight of the devices including the RSO. Gauges are leak tested at three-year frequencies in accordance with manufacturers specifications. Inventories and shutter checks are performed at required frequencies.

The licensee is authorized to remove and/or relocate gauges, however, according to the RSO, gauges are relocated, removed, etc. by the manufacturer. The licensee does not perform any service or maintenance activities on its gauges; these services are performed by the manufacturer.

**Performance Observations**

The RSO has informed the NRC inspector that they have no vessels in the Region III area the vessels are operating along the east coast. The inspector conducted a through review of records for five vessels. These vessels were: the Long Island, which had two TN Model 5204 gauges containing four and eight curies of cesium-137 sources respectively; the Manhattan, which had two TN Model 5204 gauges containing eight curies of cesium-137 sources each; the Liberty Island, which had two TN Model 5204 gauges containing four curies of cesium-137 sources each; the Texas, which had one TN Model 5204 gauge containing eight curies of cesium-137 source; and the Iowa, which had one TN Model 5202 gauge containing a two curies of cesium-137 source. The inspector reviewed the radiation surveys conducted when a gauge was relocated. Proper lock-out and leak test procedures were also reviewed. Under no circumstances would a vessel be entered without RSO supervision of lock-out/tag-out procedures.

The inspector interviewed the RSO on survey techniques for surveys done for all gauges that have been removed and relocated. The inspector interviewed the RSO on lock-out/tag-out procedures, leak testing, shutter checks, and maintenance on these gauges.

NRC Region III will coordinate assistance inspections from Region I to inspect these vessels on the east coast.