

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Great Lakes Dredge & Dock Company, LLC 2122 York Rd. Oak Brook, Illinois  REPORT NUMBER(S) 2016-001	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  11/22/16, in-office review through 1/5/17

**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	Robert G. Gattone, Jr.	<i>Robert G. Gattone, Jr.</i>	1/6/17
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	1/9/17

**Docket File Information**

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REPORT NUMBER(S) 2016-001

2. NRC/REGIONAL OFFICE

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3. DOCKET NUMBER(S)

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12-20175-01

5. DATE(S) OF INSPECTION

11/22/16, in-office review  
through 1/5/17

6. INSPECTION PROCEDURES USED

87124

7. INSPECTION FOCUS AREAS

02.01 through 02.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

03120

2. PRIORITY

5

3. LICENSEE CONTACT

Chris Wire

4. TELEPHONE NUMBER

(904) 284-1999

Main Office Inspection

Next Inspection Date: 11/21/2021

Field Office Inspection

Temporary Job Site Inspection

**PROGRAM SCOPE**

This was an unannounced, routine inspection. The in-office review included receipt and review of information that was unavailable during the onsite inspection including, in part, confirmation of the transfer of a gauge to Thermo Fisher and the bases for not using dosimeter badges. The licensee's office hours were Monday through Friday from 8:00am to 5:00pm. The licensee had 16 ships in the United States with fixed gauges for doing density measurements while dredging waters in NRC jurisdiction. Per the inspector's request, the RSO committed to call the Region III office when licensed activities will occur out of Delaware in the spring or summer of 2017 such that the NRC will have an opportunity to conduct an inspection at a temporary jobsite in NRC jurisdiction. Most of the licensee's gauges were Texas Nuclear Models 5203, 5204, and 5176. The licensee did not have any IHC Holland Model 210 or Kay-Ray Model 7064P gauges on 11/21/21. The licensee had a total of 20 gauges on ships that are used daily. The authorized users only opened and closed the gauge shutters. The licensee did not transport gauges on roads.

**Performance Observations**

The inspector sampled selected ships named Alaska, Dodge Island, and Illinois and: (1) noted that the licensee maintained and repaired its gauges limited to lubricating and painting gauges; (2) noted that all other gauge maintenance and repair was done by an authorized person; (3) noted that the licensee did not remove sources or open sources; (4) listened to the RSO describe how he would respond to a failed gauge shutter event based on a scenario posed by the inspector; (5) listened to the RSO describe how the gauges were secured; (6) reviewed selected records of leak tests, shutter checks, inventories, ambient exposure rate surveys, radiation protection program audits, the bases for not using dosimeter badges, and authorized user training; and (7) listened to the RSO describe how lock out procedures were used to prevent radiation exposures.

No violations of NRC regulatory requirements were identified.