

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Genesee County Division of Water & Waste Services  
G-4610 Beecher Road  
Flint, MI 48532

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)

030-38811

4. LICENSE NUMBER(S)

21-35215-01

5. DATE(S) OF INSPECTION

APRIL 27<sup>TH</sup>, 2016

**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:


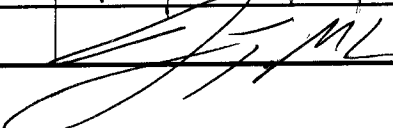
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Ryan Craffey		4/27/16
BRANCH CHIEF	Aaron McCraw		5/2/16

**Docket File Information**

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April 27, 2016

6. INSPECTION PROCEDURES USED

87124

7. INSPECTION FOCUS AREAS

All

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

03121

2. PRIORITY

5

3. LICENSEE CONTACT

David Thibeault - RSO

4. TELEPHONE NUMBER

(810) 600-4154

- ☒ Main Office Inspection      Next Inspection Date: 04/27/2021
- ☐ Field Office Inspection \_\_\_\_\_
- ☐ Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was an announced initial inspection of a county water authority authorized to store portable moisture density gauges on its campus in Flint, Michigan, and to use those gauges at temporary job sites within NRC jurisdiction. The Division obtained this license, issued on May 4, 2015, to perform quality control of other portable gauge users conducting contract work on water supply line construction projects. At the time of the inspection, the licensee possessed InstroTek 3500 Series gauges, had six trained gauge users (four members of the engineering staff, their supervisor and the RSO), and had used the gauges on several occasions since obtaining its license to perform quality control work on the Karegnondi Water Authority project under construction between Lake Huron and Genesee County. The licensee's RSO, the Division's Safety Manager, who maintained sole responsibility for the radiation safety program, reported to the Assistant Director of Operations, who in turn reported to the Division's Director.

PERFORMANCE OBSERVATIONS: The inspector toured the licensee's campus in Flint, Michigan to evaluate the implementation of measures for materials security, hazard communication and exposure control. The inspector confirmed that the storage facility matched the description provided to the NRC in application correspondence, and that the licensee stored its gauges behind at least two barriers. The inspector conducted independent surveys in the vicinity of the gauge storage location and found no exposures to members of the public in excess of regulatory limits. The inspector was unable to observe the conduct of any licensed activities, as none were scheduled or in progress at the time of the inspection. Instead, the licensee's RSO and an available authorized user discussed and/or demonstrated the implementation of licensee procedures for gauge transport and use, emergency response, leak test collection (the first round of which was scheduled for the following week), gauge user training, and the conduct of dose rate surveys after initial receipt of licensed material. The inspector also discussed with the RSO the conditions of the Division's license.

The inspector reviewed a selection of relevant records, including radiation safety procedures, authorized gauge user training materials and certificates, documentation of the initial receipt of licensed material on June 5, 2015, utilization logs, shipping papers, quarterly dosimetry reports, physical inventories, the RSO's radiation safety tracking matrix and the worksheet for the first annual audit, also scheduled for the following week.

No violations of NRC requirements were identified as a result of this inspection.