

Docket File Information
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
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3. DOCKET NUMBER(S) 030-38811	4. LICENSE NUMBER(S) 21-35215-01	5. DATE(S) OF INSPECTION April 27, 2016
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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT David Thibeault - RSO	4. TELEPHONE NUMBER (810) 600-4154
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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.