

### SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  City of Detroit Department of Public Works City Engineering Division 12225 Southfield Rd Detroit, Michigan 48228  REPORT NUMBER(S) 2021001	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)  030-34061	4. LICENSE NUMBER(S)  21-24406-02	5. DATE(S) OF INSPECTION  August 5, 2021
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**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	Jason D. Draper, Health Physicist	Jason D. Draper <small>Digitally signed by Jason D. Draper Date: 2021.08.24 07:49:56 -05'00'</small>	
BRANCH CHIEF	Michael A. Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2021.08.25 06:57:56 -05'00'</small>	



### Materials Inspection Record

1. Licensee Name: City of Detroit Department of Public Works		2. Docket Number(s): 030-34061		3. License Number(s) 21-24406-02	
4. Report Number(s): 2021001			5. Date(s) of Inspection: August 5, 2021		
6. Inspector(s): Jason Draper		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87124	
10. Licensee Contact Name(s): Eduardo Mojica, RSO		11. Licensee E-mail Address: mojicae@detroitmi.gov		12. Licensee Telephone Number(s): 313-221-6582	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input checked="" type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 08/05/2026 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced routine inspection of a city public works department, authorized to possess and use portable moisture density gauges at temporary job sites in Wayne, Oakland, and Macomb Counties in Michigan. The licensee possessed two Troxler Model 3400 Series and two Troxler Model 4640 portable gauges, and had 4 authorized gauge users. This review also included an inspection of a temporary job site near Rosemary Street and Gunston Avenue in Detroit.

Due to the Covid-19 public health emergency, the inspector contacted the licensee prior to the inspection to ensure an on-site inspection could be performed safely. During the main office inspection, the inspector toured the licensee's gauge storage area to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspector conducted independent surveys of the facility and found that exposures in publicly accessible areas were below regulatory limits. The inspector also found that the gauges were adequately secured by at least two independent physical controls. The inspector discussed the use and transportation of licensed material with the RSO, whom the inspector found to be knowledgeable of radiation protection principles and regulatory requirements. The inspector also reviewed a selection of records including utilization logs, shipping papers, leak tests, dosimetry records and training records.

At the temporary job site, the inspector observed the gauge user's blocking and bracing of the material during transport and the security of the gauge with two independent physical controls. The inspector also observed the gauge user demonstrate gauge use and control during use at the temporary job site. The inspector interviewed the gauge user regarding transportation of the gauge and the licensee's emergency procedures and found the gauge user to be knowledgeable of the radiation protection principles and regulatory requirements.

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