

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Consumers Energy Laboratory Services 135 W. Trail Street Jackson, MI 49201</p> <p>REPORT NUMBER(S) 2018001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S)</p> <p>030-04868</p>	<p>4. LICENSE NUMBER(S)</p> <p>21-08606-03</p>	<p>5. DATE(S) OF INSPECTION</p> <p>July 9 &amp; 11, 2018</p>
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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	Edward Harvey	<i>Edward Harvey</i>	7/11/2018
BRANCH CHIEF	Aaron T. McCraw	<i>AJW for ATM</i>	7/26/18

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  87121	7. INSPECTION FOCUS AREAS  All
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03320	2. PRIORITY  1	3. LICENSEE CONTACT  John Merrill, RSO	4. TELEPHONE NUMBER  (517) 788-7104
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Main Office Inspection                      Next Inspection Date: July 9, 2019

Field Office Inspection    4141 East Wilder Road, Bay City, Michigan

Temporary Job Site Inspection    Sites in Burton and Mount Pleasant, Michigan

**PROGRAM SCOPE**

This was an unannounced routine inspection of a public utility authorized to use byproduct material for industrial radiography and its locations in Jackson, Bay City, and West Olive, Michigan, and at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee possessed seven radiographic exposure devices (REDs) and employed 33 radiographers and assistants who used the devices on a daily basis across all three locations.

The inspector toured the licensee's facilities in Jackson and Bay City, and visited two temporary job sites to evaluate the licensee's measures for hazard communication and exposure control. At the temporary job sites, the inspector observed the conduct of radiographic operations and discussed the implementation of operating and emergency procedures with licensee personnel. The inspector conducted independent surveys in the vicinity of these operations and found that the crews had established adequate barriers to limit exposures to members of the public whenever radiographic operations were in progress. The inspector noted that the crews maintained and properly utilized appropriate instrumentation and dosimetry. Through these evaluations, observations, and discussions, the inspector found the licensee's staff at each location to be knowledgeable of radiation protection principles and regulatory requirements.

While in Jackson, the inspector reviewed a selection of records, including radiographer audits, dosimetry records, source inventories, leak tests, equipment maintenance, and instrumentation calibrations with no issues noted.

No violations of NRC requirements were identified during this inspection.

GW for  
ATM  
7/26/18