

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

**Consumers Energy Company
Laboratory Services
One Energy Plaza
Jackson, MI 49201**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4351**

REPORT NUMBER(S) **2011-01**

3. DOCKET NUMBER(S)
030-04868

4. LICENSEE NUMBER(S)
21-08606-03

5. DATE(S) OF INSPECTION
February 24, 2011

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:

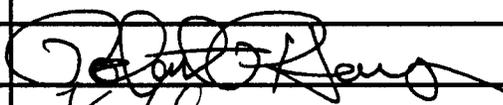
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

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 P. Hays		2/24/11
Branch Chief	Tamara E. Bloomer		3/14/11

NRC FORM 591 M PART 3 (06-2010) 10 CFR 2.201	U.S. NUCLEAR REGULATORY COMMISSION <i>Docket File Information</i> SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION
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3. DOCKET NUMBER(S) 03004868	4. LICENSE NUMBER(S) 21-08606-03	5. DATE(S) OF INSPECTION February 24, 2011
6. INSPECTION PROCEDURES 87121 (08/22/05)	7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION			
1. PROGRAM 3320	2. PRIORITY 1	3. LICENSEE CONTACT John Merrill, RSO	4. TELEPHONE NUMBER 517-788-7104

Main Office Inspection
Next Inspection Date: February 2012

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee is authorized by their license to conduct industrial radiography at temporary job sites and at the licensee's main facility as a temporary job site. The licensee is authorized to possess and use industrial radiographic equipment and isotopes as sealed sources approved in the sealed sources and devices registry. The licensee's industrial radiography program involved a staff total of 22 radiographers and asst. radiographers. Industrial radiography is routinely performed as needed at Consumers Energy's coal/nuclear plants in the State of Michigan utilizing six Delta 880s radiographic exposure devices (REDs). No change in RED inventory since the previous inspection. No nearby temporary job site work was scheduled or being conducted at the time of the inspection. The closest radiography work was at a coal-fired plant near Holland, MI. The licensee is also authorized by the license to perform in house calibrations of survey meters, pocket dosimeters and alarming rate meters. No change in RSO since the previous inspection. The inspector performed independent radiation measurements which indicated no dose concerns and was consistent with licensee survey records and postings.

Performance Observations

The licensee's RSO demonstrated/discussed: (1) DOT requirements and shipping papers; (2) labeling on REDs; (3) survey instrumentation and calibrations; (4) source exchanges, NSTS reports with confirmation receipts; (5) daily and quarterly radiography equipment inspections; (6) security of REDs; (7) utilization logs; (8) radiographer's ASNT certifications; (9) staff training; (10) DU leak tests/inventories; (11) radiographer audits; (12) incidents or events with REDs (none); (13) pocket dosimeters and alarming rate meter calibrations; and (14) dosimetry (quarterly exchange) records indicated (highest) for 2010 468mR-DDE.