

# SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Northern Indiana Public Service Company  
Chemical & Environmental Compliance  
2755 Raystone Drive  
Valparaiso, IN 46383

REPORT NUMBER(S) 2019001

2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-08362

4. LICENSE NUMBER(S)

13-14984-01

5. DATE(S) OF INSPECTION

1/11/19 with in-office review  
through 2/19/19

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):


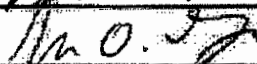
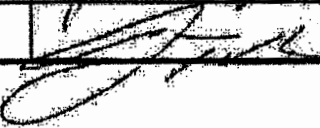
- ☒ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Contrary to Condition 25 of NRC License 13-14984-01, which ultimately requires the licensee to follow its SOP-0283, "C-11-Radiation Protection," Revision 10, from October 10, 2018, through October 16, 2018, the licensee failed to hold the gauge shutters of ten Kay Ray Model 7062BP fixed gauges, each containing 50 mCi cesium-137 sources and that were not in the operating position, in the closed position using the station hold card procedure and fill out Radiation Entry Permits while performing work on ten coal feeder pipes on Unit 14 of the power station, which was within 10 feet of gauges. The licensee determined that the root cause of this issue was that staff was unaware of the specific procedural requirements associated with this type of gauge. As corrective actions, the licensee added the procedural requirements for these gauges to the annual refresher training for all locations on the license, and intends to transfer all the Kay Ray gauges at Schahfer Station for disposal in March 2019.

## 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	Andrew G. Fishman, Supervisor Engineering, RSO		03/06/2019
NRC INSPECTOR	Jason D. Draper, Health Physicist		3/6/19
BRANCH CHIEF	Aaron T. McCraw		3/6/19

**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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## 6. INSPECTION PROCEDURES USED

87124

## 7. INSPECTION FOCUS AREAS

03.01-03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

## 1. PROGRAM CODE(S)

03120

## 2. PRIORITY

5

## 3. LICENSEE CONTACT

Andrew G. Fishman, RSO

## 4. TELEPHONE NUMBER

(219) 242-5627

☐ Main Office Inspection

Next Inspection Date: 01/11/2024

☒ Field Office Inspection Rollin M. Schahfer Station, Wheatfield, IN☐ Temporary Job Site Inspection**PROGRAM SCOPE**

This was an unannounced, routine inspection of a fixed gauge licensee authorized to use fixed gauges at coal power plants in Indiana. At the time of the inspection, the licensee possessed gauges at its locations in Wheatfield and Michigan City. The Chesterton station closed in 2018, and all gauges were transferred for disposal. At Schahfer Station, the licensee possessed 62 gauges (44 Kay Ray 7062BP, 8 TN 5202, 4 TN 5201, 2 TN 5192, and 4 Ronan SA8), all containing Cs-137 sources. The licensee expects Wheatfield and Michigan City stations to close in 2023 and 2028, respectively, and is planning for disposal of their gauges. The licensee used a consultant to perform annual radiation safety program reviews.

**PERFORMANCE OBSERVATIONS**

The inspector toured the Wheatfield station to observe a sample of approximately 50% of the gauges. The inspector observed the material condition of the gauges and verified appropriate signage in the areas. The inspector performed independent surveys and did not find any dose rates in accessible areas that would cause members of the public to exceed any regulatory limits. The inspector interviewed the RSO and other staff who performed shutter checks on the gauges. These individuals were generally knowledgeable of radiation safety practices and procedures. The inspector also reviewed a variety of records including: inventory, shutter checks, leak tests, receipt and disposal, and program reviews.

The inspector identified one SLIV Notice of Violation was identified as a result of this inspection. The inspector identified that contrary to Condition 25 of the license and SOP-0283, the licensee failed to hold the gauge shutters of ten fixed gauges in the closed position using the station hold card procedure and fill out Radiation Entry Permits while performing work on ten coal feeder pipes on Unit 14 of the power station, which was within 10 feet of gauges. The inspector determined that, because the shutters were closed and no individuals worked in the beam of the gauges, it was unlikely that any exposures above regulatory limits occurred as a result of the licensee's failure to follow its procedures.

Additionally, the inspector reviewed the licensee's actions in response to a November 10, 2016 report of a shutter failure (EN52362). The inspector verified that, although the licensee had not had the gauge repaired, the licensee kept the gauge shutter locked closed. The licensee plans on transferring this gauge for disposal. This item (NMED 160472) is closed.

## Draper, Jason

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**From:** agfishman@NiSource.com  
**Sent:** Wednesday, March 06, 2019 5:37 PM  
**To:** Draper, Jason  
**Cc:** BCValenkamph@NiSource.com  
**Subject:** [External\_Sender] Re: NRC Form 591M, Northern Indiana Public Service Company  
**Attachments:** SKM\_C45819030616110.pdf

Jason,

The attached document is the signed.  
(See attached file: SKM\_C45819030616110.pdf)

The revised training module was released today for distribution.  
The KayRay Model 7062BP gauges at Schahfer Station are scheduled to be transferred for disposal next week.

Andy

Andrew G. Fishman PMP®  
Radiation Protection Officer  
Supervisor Engineering  
Environmental and Safety Department  
NIPSCO - a NiSource Company  
cell phone = 219-242-5627  
email = agfishman@nisource.com

This message is for the designated recipient(s) only and may contain confidential and/or privileged information. If you have received it in error, please notify the sender immediately and delete the original. Any other use of this e-mail is prohibited.

From: "Draper, Jason" <Jason.Draper@nrc.gov>  
To: "agfishman@NiSource.com" <agfishman@NiSource.com>,  
Date: 03/06/2019 03:31 PM  
Subject: NRC Form 591M, Northern Indiana Public Service Company

USE CAUTION: This email was sent from an external source. Think before you click links or open attachments. If suspicious, please forward to security@nisource.com for review.

Mr. Fishman,

As we discussed in our telephone call on Tuesday, February 19, 2019, attached is the inspection report for the routine NRC inspection I performed at your Rollin M. Schahfer Station in Wheatfield, Indiana, on January 11, 2019. Please review the document to verify it correctly describes your corrective actions, including the statement in the box titled "Statement of Corrective Actions" near the bottom of the page.

Then, please print your name and title, and then sign and date in the row for "Licensee's Representative" directly above where I signed. After you have signed, please send me a copy of the signed report via email to [jason.draper@nrc.gov](mailto:jason.draper@nrc.gov) or fax to (630) 515-1259, and keep the original copy that you signed for your records. If you fax the document, please call me or email me to let me know you have sent the fax.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

Please feel free to contact me if you have any questions or concerns.

Jason Draper  
Health Physicist (Inspector)  
NRC/RIII/DNMS/MIB  
(630) 829-9839  
[jason.draper@nrc.gov](mailto:jason.draper@nrc.gov)

[attachment "SKM\_C45819030616110.pdf" deleted by Andrew Fishman/NCS/Enterprise]