

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Indianapolis Power & Light Company AES Petersburg Station 6925 North State Road 57 Petersburg, IN 47567  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)  030-12381	4. LICENSE NUMBER(S)  13-17217-01	5. DATE(S) OF INSPECTION  07/17/2019, with in-office review through 08/15/2019	

**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:

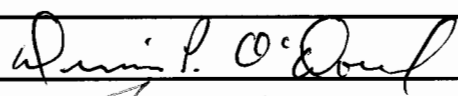
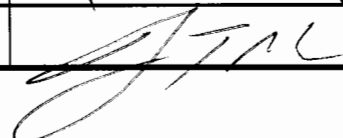
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Dennis P. O'Dowd		08/15/2019
BRANCH CHIEF	Aaron T. McCraw		8/16/19

## Docket File Information

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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  Jeffrey A. Harter	4. TELEPHONE NUMBER  (812) 601-7222
<input checked="" type="checkbox"/> Main Office Inspection      Next Inspection Date: 07/17/2024			
<input type="checkbox"/> Field Office Inspection _____			
<input type="checkbox"/> Temporary Job Site Inspection _____			

## PROGRAM SCOPE

This was a routine, unannounced inspection at a coal-fired electrical production plant that employed approximately 325 individuals. The licensee possessed 45 specifically and generally licensed fixed gauges containing millicurie quantities of either radium-226 or cesium-137, used for density or flow measurements. One individual, the RSO, was involved with use and oversight of the devices, with another individual serving as backup to the RSO. The gauges require leak testing at either six-month or three-year frequencies, in accordance with manufacturers' specifications. Service and maintenance of licensed devices, and installation and removal from service, are performed only by the manufacturer. An outside environmental consultant conducts semi-annual audits under the supervision of the RSO.

## Performance Observations

The inspector toured the facility and observed approximately 12 gauges in conjunction with the licensee's current inventory. Independent surveys in the vicinity of each indicated compliance with public dose limits. Proper lock-out and leak test procedures were also adequately described. Interviews conducted with plant personnel revealed when activities near the gauges are conducted, proper lock-out/tag-out procedures are followed. During the inspection, the licensee staff discussed and/or demonstrated the implementation of various procedures, including leak test sampling, physical inventories, shutter checks, and emergency response procedures. The inspector reviewed a selection of licensee records during the inspection, including those for inventory, leak tests, shutter checks, training, and radiation safety audits. The inspector also reviewed additional records for inventory, training, and program audits, during the in-office review conducted through August 15, 2019.

No violations of NRC requirements were identified during this inspection.