



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

April 12, 2019

Mr. Daniel Stoddard
Senior Vice President and Chief Nuclear Officer
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

**SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 – U.S. NUCLEAR
REGULATORY COMMISSION SECURITY INSPECTION REPORT
05000280/2019412 AND 05000281/2019412**

Dear Mr. Stoddard:

On March 21, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Surry Power Station, Units 1 and 2 and discussed the results of this inspection with Mr. A. Harrow and other members of your staff. The results of this inspection are documented in the enclosed report.

No NRC-Identified or self-revealing findings were identified during the inspections.

This letter will be made available for public inspection and copying at <https://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room,

in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Binoy Desai, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-280 and 50-281
License Nos. DPR-32 and DPR-37

Enclosure:
NRC IR 05000280/2019412 and
05000281/2019412

cc: (See page 3)

cc:

Roger Lee Jones
Surry Power Station
5570 Hog Island Road
Surry, VA 23883-0315

SUBJECT: SURRY POWER STATION, UNITS 1 AND 2 – U.S. NUCLEAR
 REGULATORY COMMISSION PHYSICAL SECURITY INSPECTION REPORT
 05000280/2019412 AND 05000281/2019412 dated April 12, 2019

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 ADAMS: Yes ACCESSION NUMBER: **ML19102A220** SUNSI REVIEW COMPLETE FORM 665 ATTACHED

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NAME	R. PATTERSON	J. BROWN	J. SHEHEE	B. DESAI	L. Pressley	B. DESAI
DATE	4/ 8 /2019	4/ 8 /2019	4/ 8 /2019	4/ 11 /2019	4/ 1 /2019	4/ 12 /2019
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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Nos: 05000280 and 05000281

License Nos: DPR-32 and DPR-37

Report Nos: 05000280/2019412 and 05000281/2019412

Enterprise Identifier: I-2019-412-000

Licensee: Virginia Electric and Power Company

Facility: Surry Power Station, Units 1 and 2

Location: Surry, VA

Dates: March 18 - 21, 2019

Inspectors: James Shehee, Senior Physical Security Inspector
Randy Patterson, Physical Security Inspector
Jonathan Brown, Physical Security Inspector

Approved by: Binoy Desai, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a Baseline Security Inspection at Surry Power Station, Units 1 and 2, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information. NRC and self-revealed findings, violations, and additional items are summarized in the table below.

List of Findings and Violations

No findings were identified.

INSPECTION SCOPE

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

SAFEGUARDS

71130.02 - Access Control (1 Sample)

The inspectors evaluated the access control program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: all requirements
 Tier II: 8 requirements 02.06 (a-d), 02.07 (a), 02.08 (a), (e), (i)
 Tier III: 1 requirement 02.10 (a)

71130.04 - Equipment Performance, Testing, and Maintenance (1 Sample)

The inspectors evaluated the security testing and maintenance program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: all 38 requirements
 Tier II: 4 requirements 02.09 (a); 02.12 (a); 02.13 (a), (d)
 Tier III: 2 requirements 02.14; 02.15 (a)

71130.07 - Security Training (1 Sample)

The inspectors evaluated the nuclear security training program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: all 16 requirements
 Tier II: 8 requirements 02.05 (a), (b), (c), (d); 02.06 (a), (b); 02.09 (a)
 Tier III: 5 requirements 02.10, 02.11(a); 02.13 (a), (b), (c)

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification (1 Sample)

The inspectors verified licensee performance indicators submittals listed below for the period from March 2018, through March 2019.

(1) Protected Area Security Equipment Performance Index

EXIT MEETINGS AND DEBRIEFS

On March 21, 2019, the inspectors presented the Baseline Security Inspection results to Mr. A. Harrow and other members of the licensee staff.

LIST OF DOCUMENTS REVIEWED

PROCEDURES

GO-SU-127, On the Job Training, Revision 6
 GO-SU-110.4.1, Security Infra-Red (IR) Operability Testing, Revision 3
 GO-SU-110.6.1, Hand Geometry Unit Operability Testing, Revision 3
 GO-SU-110.11, Weapons Detector Operability/Performance Testing, Revision 6
 GO-SU-110.14, X-Ray Screening Device Operability Testing, Revision 1
 GO-SU-110.9, Balance Magnetic Switch (BMS) Operability Testing, Revision 5
 GO-SU-110.15, Communications Equipment Operability Testing, Revision 1
 GO-SU-110.7, Exit Turnstile Operability Testing, Revision 1
 GO-SU-110.13, Explosive Detector Operability/Performance Testing, Revision 5
 GO-SU-110.3, Security Intelli-Flex System (IFS) Operability Testing, Revision 5
 GO-SU-110.1.2, Security E-Filed Performance Testing, Revision 6
 GO-SU-110.1.1, Security E-Field Operability Testing, Revision 6
 GO-SU-110.20, Active Vehicle Barrier (AVB) Operability Testing, Revision 8
 GO-SU-110.25, Annual Inspection of Other Security Related Equipment, Revision 1
 GO-SU-117- Operations of the Vehicle Gates, Revision 7
 GO-SU- 122- Control of Keys, Locks, Combinations and Passwords, Revision 6
 GO-SU- 148- Material Search Guidance, Revision 9
 GO-SU- 151- Owner Controlled Area (OCA) Active Vehicle Barrier, Revision
 LI-AA-500- NRC/INPO/WANO Performance Indicator and MOR Reporting, Revision 2
 SPIP-006- Authorized Personnel Access Control, Revision 9
 SPIP-007- Visitor Authorization and Sign in, Revision 13
 SPIP-011- Control of Keys, Locks, Combinations, Passwords and other Related Access Control
 Devices, Revision 10
 SPIP-016- Personnel Searches, Revision 11
 SY-AA-101- Security and Access Control, Revision 21
 SY-AA-106- Control of SGI, Security Related Information, and Controlled Unclassified
 Information, Revision 18
 SY-AA-126- Regulatory Assessment Performance Indicator Data Reporting, Revision 0
 SY-AA-PLN- Vehicle Access Control, Revision 6
 SY-AA-TR-101, Nuclear Security Training Program, Revision 10
 SY-AA-TR-103, Critical Tasks Qualification and Requalification Failure Actions, Revision 2
 SY-AA-TR-104, Task Performance Evaluation, Revision 1
 SY-AA-TR-201, Security Drill and Exercise, Revision 10

CONDITION REPORTS

18-1091446	18-1093820	18-1093940	18-1094717
18-1094809	18-1097319	18-1097349	18-1099280
18-1103820	18-1104415	18-1104417	18-1104428
18-1104545	18-1105188	18-1105858	18-1105987
18-1108104	18-1109652	18-1118806	