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

January 22, 2016

Mr. David R. Vineyard
Vice President
Southern Nuclear Operating Company, Inc.
Edwin I. Hatch Nuclear Plant
11028 Hatch Parkway North
Baxley, GA 31513

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT - NRC INTEGRATED INSPECTION REPORT 05000321/2015004 AND 05000366/2015004

Dear Mr. Vineyard:

On December 31, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Edwin I. Hatch Nuclear Plant Units 1 and 2. On January 12, 2016, the NRC inspectors discussed the results of this inspection with you and other members of your staff. Inspectors documented the results of this inspection in the enclosed inspection report. The NRC inspectors did not identify any findings or violations of more than minor significance.

In accordance with Title 10 of the *Code of Federal Regulations* 2.390, “Public Inspections, Exemptions, Requests for Withholding,” of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC’s Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS).

ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

***/RA/***

Shane Sandal, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-321, 50-366
License Nos.: DPR-57 and NPF-5

Enclosures:
Inspection Report 05000321/2015004, 05000366/2015004
w/Attachment: Supplementary Information

cc: Distribution via Listserv

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ADAMS: ☒ Yes ACCESSION NUMBER: ML16022A066 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

| OFFICE | RII:DRP | RII:DRP | RII:DRS | RII:DRP | | |
|---|---|---|---|---|---|---|
| SIGNATURE | Via Email/RA/ DHH1 | Via Email/RA/ DLR2 | Via Email/RA/ BLC2 | SRS5 | | |
| NAME | D. Hardage | D. Retterer | B. Caballero | S. Sandal | | |
| DATE | 1/21/2016 | 1/19/2016 | 1/19/2016 | 1/22/2016 | 1/ /2016 | 1/ /2016 |
| E-MAIL COPY? | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO |

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Letter to David R. Vineyard from Shane Sandal Dated January 22, 2016.

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT - NRC INTEGRATED INSPECTION REPORT 05000321/2015004 AND 05000366/2015004

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**U. S. NUCLEAR REGULATORY COMMISSION**

**REGION II**

| | |
|---|---|
| Docket Nos.: | 50-321, 50-366 |
| License Nos.: | DPR-57 and NPF-5 |
| Report Nos.: | 05000321/2015004 and 05000366/2015004 |
| Licensee: | Southern Nuclear Operating Company, Inc. |
| Facility: | Edwin I. Hatch Nuclear Plant |
| Location: | Baxley, Georgia 31513 |
| Dates: | October 1 – December 31, 2015 |
| Inspectors: | D. Hardage, Senior Resident Inspector<br>D. Retterer, Resident Inspector<br>B. Caballero, Senior Operations Examiner, (Section 1R11) |
| Approved by: | Shane Sandal, Chief<br>Reactor Projects Branch 2<br>Division of Reactor Projects |

Enclosure

## SUMMARY

IR 05000321/2015004; and 05000366/2015004, October 1, 2015, through December 31, 2015; Edwin I. Hatch, Units 1 and 2; Integrated Report.

This report covers a 3-month period of inspection by resident inspectors. No findings were identified during this inspection period. The NRC's program for overseeing the safe operations of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 5. Documents reviewed not listed in the Report Details are listed in the List of Documents Reviewed section of the Attachment.

## REPORT DETAILS

Summary of Plant Status

Unit 1 began the inspection period at 100 percent rated thermal power (RTP). On December 10, 2015, the unit entered end of cycle coastdown and remained in coastdown throughout the remainder of the inspection period.

Unit 2 operated at or near 100 percent RTP for the duration of the inspection period.

1. REACTOR SAFETY

Cornerstones: Initiating Events, Mitigating Systems, and Barrier Integrity

1R01 Adverse Weather Protection (71111.01)

a. Inspection Scope

Seasonal Extreme Weather Conditions: The inspectors conducted a detailed review of the station's adverse weather procedures written for extreme low temperatures. The inspectors verified that weather-related equipment deficiencies identified during the previous year had been placed into the work control process and/or corrected before the onset of seasonal extremes. The inspectors evaluated the licensee's implementation of adverse weather preparation procedures and compensatory measures before the onset of seasonal extreme weather conditions. The inspectors evaluated the following risk-significant systems:

- Plant Service Water
- Diesel Emergency Power

b. Findings

No findings were identified.

1R04 Equipment Alignment (71111.04)

a. Inspection Scope

Partial Walkdown: The inspectors verified that critical portions of the following systems or trains were correctly aligned by performing partial walkdowns. The inspectors selected systems for assessment because they were a redundant or backup system or train, were important for mitigating risk for the current plant conditions, had been recently realigned, or were a single-train system. The inspectors determined the correct system lineup by reviewing plant procedures and drawings.

- Unit 1 'A' train of RHR system after being recently realigned due to 'C' RHR Pump Outage, October 16, 2015

- Unit 1 EDG HVAC system after recent maintenance of system louvers, October 23, 2015
- Unit 1 'B' EDG aligned to Unit 1 while the Unit 1 'A' EDG was out of service for maintenance, November 3, 2015
- Unit 2 RCIC system while HPCI was out of service for maintenance, November 12, 2015

b. Findings

No findings were identified.

1R05 Fire Protection (71111.05AQ)

a. Inspection Scope

Quarterly Inspection: The inspectors evaluated the adequacy of selected fire plans by comparing the fire plans to the defined hazards and defense-in-depth features specified in the fire protection program. In evaluating the fire plans, the inspectors assessed the following attributes.

- control of transient combustibles and ignition sources
- fire detection systems
- water-based fire suppression systems
- gaseous fire suppression systems
- manual firefighting equipment and capability
- passive fire protection features
- compensatory measures and fire watches
- issues related to fire protection contained in the licensee's corrective action program

The inspectors toured the following four fire areas to assess material condition and operational status of fire protection equipment.

- Unit 2, diesel generator area, fire zone 2401/2402/2403/2405/2406/2407
- Unit 1, diesel generator building switchgear rooms, fire zones 1404/1408/1412
- Unit 1 and Unit 2, intake structure, fire zone 0501
- Unit 1, diesel generator area, fire zone 1401/1403/1405/1407/1409/1411

b. Findings

No findings were identified.

1R06 Flood Protection Measures (71111.06)

a. Inspection Scope

Underground Cables: The inspectors reviewed related flood analysis documents and inspected the areas listed below containing cables whose failure could adversely impact risk-significant equipment. The inspector directly observed the condition of cables and cable support structures and, as applicable, verified that dewatering devices and drainage systems were functioning properly. In addition, the inspectors verified the licensee was identifying and properly addressing issues using the corrective action program.

- Unit 1, PB1-BG and PB1-BW

b. Findings

No findings were identified.

1R11 Licensed Operator Requalification Program and Licensed Operator Performance (71111.11)

a. Inspection Scope

Resident Inspector Quarterly Review of Licensed Operator Requalification: On November 3, the inspectors observed a simulator scenario conducted for training of an operating crew for requalification. The inspectors assessed the following attributes.

- licensed operator performance
- the ability of the licensee to administer the scenario and evaluate the operators
- the quality of the post-scenario critique
- simulator performance

Resident Inspector Quarterly Review (Licensed Operator Performance): The inspectors observed licensed operator performance in the main control room during Unit 1 coastdown operations and traversing in-core probe system operation. The inspectors assessed the following attributes.

- use of plant procedures
- control board manipulations
- communications between crew members
- use and interpretation of instruments, indications, and alarms
- use of human error prevention techniques
- documentation of activities
- management and supervision

Annual Review of Licensee Requalification Examination Results: On October 13, 2015, the licensee completed administration of the annual requalification operating

examinations, and on November 25, 2015, the licensee completed administration of the comprehensive biennial requalification written examinations, which are required to be administered to all licensed operators in accordance with Title 10 of the Code of Federal Regulations 55.59(a)(2), "Requalification Requirements," of the NRC's "Operator's Licenses." The inspectors performed an in-office review of the overall pass/fail results of the individual operating examinations and the crew simulator operating examinations in accordance with Inspection Procedure (IP) 71111.11, "Licensed Operator Requalification Program." These results were compared to the thresholds established in Section 3.02, "Requalification Examination Results," of IP 71111.11.

b. Findings

No findings were identified.

1R12 Maintenance Effectiveness (71111.12)

a. Inspection Scope

The inspectors assessed the licensee's treatment of the two issues listed below to verify the licensee appropriately addressed equipment problems within the scope of the maintenance rule (10 CFR 50.65, "Requirements for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants"). The inspectors reviewed procedures and records to evaluate the licensee's identification, assessment, and characterization of the problems as well as their corrective actions for returning the equipment to a satisfactory condition.

- Unit 2, 24 Volt Battery Charger 2C, Charger output failure
- Unit 2, 1B PSW Discharge Check Valve, Check valve failed open

b. Findings

No findings were identified.

1R13 Maintenance Risk Assessments and Emergent Work Control (71111.13)

a. Inspection Scope

The inspectors reviewed the three maintenance activities listed below to verify that the licensee assessed and managed plant risk as required by 10 CFR 50.65(a)(4) and licensee procedures. The inspectors assessed the adequacy of the licensee's risk assessments and implementation of risk management actions. The inspectors also verified that the licensee was identifying and resolving problems with assessing and managing maintenance-related risk using the corrective action program. Additionally, for maintenance resulting from unforeseen situations, the inspectors assessed the effectiveness of the licensee's planning and control of emergent work activities.

- Unit 1, 10/6/2015,1C RHR Pump Outage and Maintenance

- Unit 1, 10/20/2015, HPCI System Outage and Maintenance
- Unit 1 and 2, 11/1/2015 – 11/6/2015, 1A Emergency Diesel Generator planned outage

b. Findings

No findings were identified.

1R15 Operability Determinations and Functionality Assessments (71111.15)

a. Inspection Scope

The inspectors selected the five operability determinations or functionality evaluations listed below for review based on the risk-significance of the associated components and systems. The inspectors reviewed the technical adequacy of the determinations to ensure that technical specification operability was properly justified and the components or systems remained capable of performing their design functions. To verify whether components or systems were operable, the inspectors compared the operability and design criteria in the appropriate sections of the technical specification and updated final safety analysis report to the licensee's evaluations. Where compensatory measures were required to maintain operability, the inspectors determined whether the measures in place would function as intended and were properly controlled. Additionally, the inspectors reviewed a sample of corrective action documents to verify the licensee was identifying and correcting any deficiencies associated with operability evaluations.

- Unit 1, Nelson Pillows Installed Incorrectly, CR10125351
- Unit 2, Diesel Generator Battery Room Fan Non-Conformance, CR10135549
- Unit 1, Diesel Generator Switchgear Louver Failure, CR 10137540
- Unit 1 and Unit 2, RHRSW Calculation Appendix R Flow, CR 10135831
- Unit 1, Intake Structure Backdraft Damper Failed Open, CR 10142835

b. Findings

No findings were identified.

1R18 Plant Modifications (71111.18)

a. Inspection Scope

The inspectors verified that the plant modification listed below did not affect the safety functions of important safety systems. The inspectors confirmed the modifications did not degrade the design bases, licensing bases, and performance capability of risk significant structures, systems and components. The inspectors also verified modifications performed during plant configurations involving increased risk did not place the plant in an unsafe condition. Additionally, the inspectors evaluated whether system operability and availability, configuration control, post-installation test activities, and changes to documents, such as drawings, procedures, and operator training materials,

complied with licensee standards and NRC requirements. In addition, the inspectors reviewed a sample of related corrective action documents to verify the licensee was identifying and correcting any deficiencies associated with modifications.

- SNC 643429, LPRM 44-21A damaged connector disconnected undervessel

b. Findings

No findings were identified.

1R19 Post-Maintenance Testing (71111.19)

a. Inspection Scope

The inspectors either observed post-maintenance testing or reviewed the test results for the six maintenance activities listed below to verify the work performed was completed correctly and the test activities were adequate to verify system operability and functional capability.

- SNC521617, 1C RHR Pump Outage, October 7, 2015
- SNC714576, 1C RHRSW Pump Seal Leak, October 8, 2015
- SNC715063, 2C EDG Loading Timer Failure, October 9, 2015
- SNC376671, 2T41F003B Disassemble and Inspect Damper Actuator, October 12, 2015
- SNC337315, 1A EDG System Outage, November 6, 2015
- SNC337049, 2C EDG System Outage, November 20, 2015

The inspectors evaluated these activities for the following attributes.

- Acceptance criteria were clear and demonstrated operational readiness.
- Effects of testing on the plant were adequately addressed.
- Test instrumentation was appropriate.
- Tests were performed in accordance with approved procedures.
- Equipment was returned to its operational status following testing.
- Test documentation was properly evaluated.

Additionally, the inspectors reviewed a sample of corrective action documents to verify the licensee was identifying and correcting any deficiencies associated with post-maintenance testing.

b. Findings

No findings were identified.

1R22 Surveillance Testing (71111.22)

a. Inspection Scope

The inspectors reviewed the three surveillance tests listed below and either observed the test or reviewed test results to verify testing adequately demonstrated equipment operability and met technical specification and licensee procedural requirements. The inspectors evaluated the test activities to assess for preconditioning of equipment, procedure adherence, and equipment alignment following completion of the surveillance. Additionally, the inspectors reviewed a sample of related corrective action documents to verify the licensee was identifying and correcting any deficiencies associated with surveillance testing.

Routine Surveillance Tests

- 34SV-R43-001-1, 1A Diesel Generator Monthly Test
- 34SV-C41-002-1, 1B Standby Liquid Control In Service Test
- 42CC-ERP-003-0, LPRM Calibration

b. Findings

No findings were identified.

Cornerstone: Emergency Preparedness

1EP6 Drill Evaluation (71114.06)

a. Inspection Scope

The inspectors observed the emergency preparedness drill conducted on November 17, 2015. The inspectors observed licensee activities in the simulator and/or technical support center to evaluate implementation of the emergency plan, including event classification, notification, and protective action recommendations. The inspectors evaluated the licensee's performance against criteria established in the licensee's procedures. Additionally, the inspectors attended the post-exercise critique to assess the licensee's effectiveness in identifying emergency preparedness weaknesses and verified the identified weaknesses were entered in the corrective action program.

b. Findings

No findings were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator Verification (71151)

a. Inspection Scope

The inspectors reviewed a sample of the performance indicator (PI) data, submitted by the licensee, for the Unit 1 and Unit 2 PIs listed below. The inspectors reviewed plant records compiled between October 2014 and October 2015 to verify the accuracy and completeness of the data reported for the station. The inspectors verified that the PI data complied with guidance contained in Nuclear Energy Institute 99-02, "Regulatory Assessment Performance Indicator Guideline," and licensee procedures. The inspectors verified the accuracy of reported data that were used to calculate the value of each PI. In addition, the inspectors reviewed a sample of related corrective action documents to verify the licensee was identifying and correcting any deficiencies associated with PI data.

Cornerstone: Mitigating Systems

- safety system functional failures (Units 1 and 2)
- MSPI, heat removal system (Units 1 and 2)
- MSPI, cooling water system (Units 1 and 2)

b. Findings

No findings were identified.

4OA2 Problem Identification and Resolution (71152)

.1 Routine Review

The inspectors screened items entered into the licensee's corrective action program in order to identify repetitive equipment failures or specific human performance issues for followup. The inspectors reviewed condition reports, attended screening meetings, or accessed the licensee's computerized corrective action database.

.2 Semi-Annual Trend Review

a. Inspection Scope

The inspectors reviewed issues entered in the licensee's corrective action program and associated documents to identify trends that could indicate the existence of a more significant safety issue. The inspectors focused their review on repetitive equipment issues but also considered the results of inspector daily condition report screenings, licensee trending efforts, and licensee human performance results. The review nominally considered the 6-month period of July 2015 thru December 2015 although some examples extended beyond those dates when the scope of the trend warranted. The inspectors compared their results with the licensee's analysis of trends. Additionally, the inspectors reviewed the adequacy of corrective actions associated with

a sample of the issues identified in the licensee's trend reports. The inspectors also reviewed corrective action documents that were processed by the licensee to identify potential adverse trends in the condition of structures, systems, and/or components as evidenced by acceptance of long-standing non-conforming or degraded conditions.

b. Findings and Observations

No findings were identified.

.3 Annual Followup of Selected Issues

a. Inspection Scope

The inspectors conducted a detailed review of condition report 798117, Procedure Change Results in Nonconservative Acceptance Criteria for LPCI/CS Injection Valves. The inspectors evaluated the following attributes of the licensee's actions:

- complete and accurate identification of the problem in a timely manner
- evaluation and disposition of operability and reportability issues
- consideration of extent of condition, generic implications, common cause, and previous occurrences
- classification and prioritization of the problem
- identification of root and contributing causes of the problem
- identification of any additional condition reports
- completion of corrective actions in a timely manner

b. Findings

No findings were identified.

4OA6 Meetings, Including Exit

On January 12, 2016, the resident inspectors presented the inspection results to Mr. David Vineyard and other members of the licensee's staff. The inspectors confirmed that proprietary information was not provided or examined during the inspection period.

ATTACHMENT: SUPPLEMENTAL INFORMATION

## SUPPLEMENTAL INFORMATION

### KEY POINTS OF CONTACT

Licensee personnel
B. Anderson, Health Physics Manager
G. Brinson, Maintenance Director
C. Collins, Principal Licensing Engineer
B. Dean, Training Director
B. Duval, Chemistry Manager
A. Giancatarino, Engineering Director
G. Johnson, Regulatory Affairs Manager
D. Komm, Operations Director
K. Long, Work Management Director
R. Spring, Plant Manager
D. Vineyard, Vice President
A. Wheeler, Site Projects Manager

### LIST OF DOCUMENTS REVIEWED

**Section 1R01: Adverse Weather**

Procedures
DI-OPS-36-0989, Cold Weather Checks, Ver. 23.1
52PM-MEL-005-0, Cold Weather Checks, Ver. 17.2

Other
Individual Plant Examination of External Events

**Section 1R04: Equipment Alignment**

Procedures
34SO-E11-010-1, Residual Heat Removal System, Ver. 44.5
NMP-AP-001, Development and Control of SNC Procedures, Ver. 15.2
34GO-OPS-031-1, Daily Outside Rounds, Ver. 21.27
34SO-X41-001-1, EDG Ventilation System, Ver. 10.5
34SO-R43-001-1, Diesel Generator Standby AC System, Ver. 27.2
34SO-E51-001-2, RCIC System, Ver. 27.0

Drawings
H-16330, RHR System P&ID, Ver. 71.0
H-11280, HVAC Functional Control Diagram, Ver. 1.0
H-26023, RCIC System P&ID, Ver. 44.0
H-26024. RCIC System P&ID, Ver. 33.0

CRs 2000003996, 2010112917, 10135549

Other
Calculation BH2-M-0563
Calculation 1380-027-C009
REA HT-90709

**Section 1R05: Fire Protection**

Procedures

E.I. Hatch Fire Protection Fire Hazards Analysis
42FP-FPX-018-0, Use, Control and Storage of Flammable/Combustible Materials, Ver. 1.2
34AB-X43-001-1, Fire Procedure, Ver. 10.25
42SV-FPX-024-0, Fire Hose Stations – Appendix B Areas, Ver. 3.2
42SV-FPX-013-0, Rolling Fire Door Surveillance, Ver. 3.1
51GM-FPX-004-0, Installation and Repair of Rolling Fire Door, Ver. 1.3

Drawings

A-43966 sheet 18A/B, Unit 2 Pre-Fire Plan 2401
A-43966 sheet 19A/B, Unit 2 Pre-Fire Plan 2402
A-43966 sheet 20A/B, Unit 2 Pre-Fire Plan 2403
A-43966 sheet 22A/B, Unit 2 Pre-Fire Plan 2405
A-43966 sheet 23A/B, Unit 2 Pre-Fire Plan 2406
A-43966 sheet 24A/B, Unit 2 Pre-Fire Plan 2407
A-43966 sheet 9A/B, Unit 1 Pre-Fire Plan 1404
A-43966 sheet 13A/B, Unit 1 Pre-Fire Plan 1408
A-43966 sheet 17A/B, Unit 1 Pre-Fire Plan 1412
A-43966 sheet 27A/B, Unit 1&2 Pre-Fire Plan 0501
A-43966 sheet 6A/B, Unit 1 Pre-Fire Plan 1401
A-43966 sheet 8A/B, Unit 1 Pre-Fire Plan 1403
A-43966 sheet 10A/B, Unit 1 Pre-Fire Plan 1405
A-43966 sheet 12A/B, Unit 1 Pre-Fire Plan 1407
A-43966 sheet 14A/B, Unit 1 Pre-Fire Plan 1409
A-43966 sheet 16A/B, Unit 1 Pre-Fire Plan 1411

**Section 1R06: Internal Flood Protection**

Documents

HNP-2-FSAR Chapter 9.3.3.2.2.B
Procedure 52PM-Y46-001-0, Inground Pullbox and Cable Duct Inspection For Water, Ver. 10.0
CRs 10134688, 10134186, 10145446
TE937909

**Section 1R11: Licensed Operator Requalification**

Drill Scenario: LT-SG-50918-03.2
42CC-ERP-003-0, LPRM Calibration, Ver. 17.0

**Section 1R12: Maintenance Effectiveness**

System Health Report –R42 System – 4th quarter 2015
R42 Maintenance Rule (MR) Scoping Manual Documents
R42 MR Performance Criteria
System Health Report –P41 System – 4th quarter 2015
P41 Maintenance Rule (MR) Scoping Manual Documents
P41 MR Performance Criteria
NMP-ES-002, System Monitoring and Health Reporting, Ver. 18.1

**Section 1R13: Maintenance Risk Assessments and Emergent Work Evaluation**

Procedures

NMP-OS-010-002, Hatch Protected Equipment Logs, Ver. 10.13
NMP-GM-031, On-Line Configuration Risk Management Program, Ver. 3.0

Other

Equipment Out of Service calculations 10/3/2015- 10/16/2015
Equipment Out of Service calculations 10/16/2015-10/31/2015
Equipment Out of Service calculations 11/1/2015 -11/13/2015

**Section 1R15: Operability Evaluations**

Procedures

NMP-AD-012, Operability Determinations and Functional Assessments, Ver. 12.6
42FP-FPX-003-0, Installation of Nelson Electric Fire Stops and Seals, Ver. 3.5
42SV-FPX-047-0, Fire Barrier and Penetration Seal 24 Month Visual, Ver. 1.0
34SO-X41-001-1, EDG Ventilation System, Ver. 10.5
34SO-X41-002-0, Intake Structure Ventilation System, Ver. 4.7
34GO-OPS-031-1, Daily Outside Rounds, Ver. 21.27

Drawings

B-19628, Unit 1 Fire Penetration Seals, Rev. 1
H-16110, Types of Seals for Pipe and Duct, Ver. 11.0
H-12619, EDG HVAC Architectural Drawing, Ver. 12.0
H-11280, EDG HVAC Instrument-Functional Drawing

Other

SMNH94-048, Calculation 1380-027-C009 EDG Battery Room Hydrogen Calculation
CGDP91-0027, Honeywell Louver Motor Vendor Manual
DOEJ HRSNC716780-M003
DOEJ-HRSNC716780-M002
DOEJ-HRSNC716780-M001

**Section 1R18: Plant Modifications**

Procedures

NMP-AD-010, 10 CFR 50.59 Screenings and Evaluations, Ver.13.0
NMP-AD-008, Applicability Determinations, Ver. 20.0

Other

SNC643429
H26993
H27313
H52003

**Section 1R19: Post Maintenance Testing**

Maintenance Work Orders (MWOs)

SNC521617, SNC714576, SNC715063, SNC376671, SNC337315, SNC337049

Procedures
NMP-GM-014-001, “Post Maintenance Testing Guidance,” Ver.4.1
52PM-E11-003-1, “RHR Pump Motor PM,” Ver. 6.1
52IT-MEL-003-0, “High Potential Megger Testing,” Ver. 16.2
51GM-MNT-017-0, “Control of Lubricants,” Ver.3.4
52IT-R43-001-0, “Inspection of LOCA/LOSP EDG Timer,” Ver. 2.2
34SV-T41-001-2,”Secondary Containment Isolation Damper Operability,” Ver. 7.4
52SV-R43-001-0, “Diesel Alternator and Accessories Inspection,” Ver. 26.0
34SV-R43-006-2, “Diesel Generator 2C Semi-Annual Test,” Ver. 17.2

Other
Control Room logs dated October 12, 2015

**Section 1R22: Surveillance Testing**
Procedures
34SV-R43-001-1, Diesel Generator 1A Monthly Test, Ver. 24.2
34SV-C41-002-1, Standby Liquid Control Operability Test, Ver. 16.3
42CC-ERP-003-0, LPRM Calibration, Ver. 17.0

**Section 1EP6: Drill Evaluation**
EP Exercise Narrative and Timeline for drill conducted November 17, 2015
Drill event notification forms from drill conducted November 17, 2015

**Section 4OA1: Performance Indicator Verification**
00AC-REG-005-0, “Preparation and Reporting of NRC PI Data,” Ver. 8.0
MSPI Derivation Report, October 2014 - October 2015

**Section 4OA2: Identification and Resolution of Problems**
Procedures
34SV-SUV-016-2, Cold Shutdown Valve Operability, Ver. 13.16
34SO-X41-001-1, Diesel Generator Building Ventilation, Ver. 10.5
57SV-X41-001, EDG HVAC Surveillances, Ver. 1.0

Other
CAR 210040
TE 801668
TE 816877
CRs 798117, 76525, 78376, 382789, 100021, 76988