



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

October 21, 2022

G. T. Powell
President and CEO
STP Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

**SUBJECT: SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNITS 1 AND 2
INTEGRATED INSPECTION REPORT 05000498/2022003 AND
05000499/2022003**

Dear G. T. Powell:

On September 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at South Texas Project Electric Generating Station, Units 1 and 2. On October 4, 2022, the NRC inspectors discussed the results of this inspection with Kym Harshaw, Executive Vice President and Chief Nuclear Officer and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding did not involve a violation of NRC requirements.

If you disagree with a finding not associated with a regulatory requirement in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region IV; and the NRC Resident Inspector at South Texas Project Electric Generating Station, Units 1 and 2.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,



Signed by Vossmar, Patricia
on 10/21/22

Patricia J. Vossmar, Chief
Projects Branch A
Division of Operating Reactor Safety

Docket Nos. 05000498 and 05000499
License Nos. NPF-76 and NPF-80

Enclosure:
As stated

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNITS 1 AND 2
 INTEGRATED INSPECTION REPORT 05000498/2022003 AND 05000499/2022003- DATED
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 INTEGRATED INSPECTION REPORT 05000498/2022003 AND 05000499/2022003
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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000498 and 05000499

License Numbers: NPF-76 and NPF-80

Report Numbers: 05000498/2022003 and 05000499/2022003

Enterprise Identifier: I-2022-003-0009

Licensee: STP Nuclear Operating Company

Facility: South Texas Project Electric Generating Station, Units 1 and 2

Location: Wadsworth, TX 77483

Inspection Dates: June 1, 2022, to September 30, 2022

Inspectors: S. Hedger, Senior Emergency Preparedness Inspector
G. Kolcum, Senior Resident Inspector
J. O'Donnell, Senior Health Physicist
C. Stott, Resident Inspector
H. Strittmatter, Emergency Preparedness Inspector
W. Tejada, Physical Security Inspector
B. Tharakan, Technical Assistant

Approved By: Patricia J. Vossmar, Chief
Projects Branch A
Division of Operating Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee’s performance by conducting an integrated inspection at South Texas Project Electric Generating 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.

List of Findings and Violations

Failure to Provide Oversight Leads to Multiple Examples of Switchyard Insulator Flashovers			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000498,05000499/2022003-01 Open/Closed	None (NPP)	71152A
A self-revealed Green finding was identified for the licensee’s failure to adequately implement requirements of procedure 0PGP03-XS-0001, “Switchyard Management,” revision 11, to ensure adequate oversight of switchyard component maintenance. Specifically, the licensee failed to ensure that coatings of switchyard insulators were maintained. This condition resulted in flashovers which caused a de-energization of the switchyard south electrical bus and starting of safety-related equipment.			

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
LER	05000499/2022-001-00	Automatic Actuation of Emergency Diesel Generator due to Lockout of Switchyard Electrical Bus	71153	Closed

PLANT STATUS

Units 1 and 2 began the inspection period at rated thermal power and remained there for the entire inspection period.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. 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.

REACTOR SAFETY

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (5 Samples)

The inspectors evaluated system configurations during partial walkdowns of the following systems/trains:

- (1) Unit 1, train B emergency diesel generator when train C was inoperable for maintenance on July 19, 2022
- (2) Unit 2, train B emergency diesel generator when train C was inoperable for maintenance on July 19, 2022
- (3) Unit 2, auxiliary feedwater system when underground piping was inspected during the week of August 22, 2022
- (4) Unit 1, train A emergency diesel generator essential cooling water on August 23, 2022
- (5) Unit 2, train A emergency diesel generator essential cooling water on August 23, 2022

Complete Walkdown Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated system configurations during a complete walkdown of the Unit 2, train A 124VDC on September 15, 2022.

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (5 Samples)

The inspectors evaluated the implementation of the fire protection program by conducting a walkdown and performing a review to verify program compliance, equipment functionality, material condition, and operational readiness of the following fire areas:

- (1) Unit 2, train A power cable vault in the electrical auxiliary building on July 6, 2022
- (2) Unit 2, train A emergency diesel generator building on July 28, 2022
- (3) Unit 1, mechanical auxiliary building service areas and boron recycle system holdup tanks on August 11, 2022
- (4) Unit 1, train C isolation valve cubicle pump room on August 29, 2022
- (5) Unit 2, train D isolation valve cubicle pump room on September 1, 2022

Fire Brigade Drill Performance Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the onsite fire brigade training and performance during a simulated fire at the Unit 1, train B emergency diesel generator local control panel on July 27, 2022.

71111.06 - Flood Protection Measures

Inspection Activities - Internal Flooding (IP Section 03.01) (1 Sample)

The inspectors evaluated internal flooding mitigation protections in the:

- (1) Unit 1, train A emergency diesel generator the week of September 5, 2022

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

- (1) The inspectors observed troubleshooting and maintenance on Unit 2, train B control room envelope heating, ventilation, and air conditioning on August 29, 2022.

Licensed Operator Requalification Training/Examinations (IP Section 03.02) (1 Sample)

- (1) The inspectors observed training and evaluated an operations crew's response to various plant alarm scenarios on July 18, 2022.

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (5 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) Unit 2, planned entry into configuration risk management program for train A 125VDC battery surveillance testing on July 6, 2022
- (2) Unit 2, planned white risk due to maintenance during the week of July 12, 2022
- (3) Unit 1, planned white risk due to maintenance during the week of July 18, 2022
- (4) Unit 2, planned yellow risk due to maintenance during the week of August 1, 2022
- (5) Unit 2, planned yellow risk due to maintenance during the week of August 22, 2022

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (4 Samples)

The inspectors evaluated the licensee's justifications and actions associated with the following operability determinations and functionality assessments:

- (1) Unit 2, train C emergency diesel generator failed to complete cooldown circuit on July 18, 2022
- (2) Unit 1, train C emergency diesel generator fuel oil fitting leak on July 21, 2022
- (3) Unit 1, qualified display processing system communication board failure on July 25, 2022
- (4) Unit 2, qualified display processing systems digital processing unit C alarms on September 4, 2022

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (1 Sample)

The inspectors evaluated the following temporary or permanent modifications:

- (1) Unit 1, train A emergency diesel generator expansion joint replacement on August 23, 2022.

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (8 Samples)

The inspectors evaluated the following post-maintenance testing activities to verify system operability and/or functionality:

- (1) Unit 2, train C emergency diesel generator on July 18, 2022
- (2) Unit 2, train C emergency diesel generator on July 21, 2022
- (3) Unit 2, train C essential cooling water traveling screen on August 28, 2022
- (4) Unit 2, train C control room envelope heating, ventilation, and air conditioning following maintenance on August 28, 2022
- (5) Unit 2, train C emergency diesel generator following exhaust maintenance on August 28, 2022
- (6) Unit 1, stator coolant pressure control valve on August 29, 2022
- (7) Unit 2, train B essential chiller following maintenance on August 31, 2022
- (8) Unit 2, fuel handling building exhaust filter on September 10, 2022

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance testing activities to verify system operability and/or functionality:

Surveillance Tests (other) (IP Section 03.01) (4 Samples)

- (1) Unit 2, train A emergency diesel operability test on July 5, 2022

- (2) Unit 1, train B low head safety injection pump surveillance test on July 17, 2022
- (3) Unit 1, train B residual heat removal pump surveillance test on July 17, 2022
- (4) Unit 1, train D auxiliary feedwater pump surveillance on July 27, 2022

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) Unit 1, train B high head safety injection pump in service test on July 17, 2022

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

- (1) The inspectors evaluated the biennial emergency plan exercise conducted on July 20, 2022. The exercise scenario simulated high vibrations on the main turbine, a control rod ejection, degradation in fuel integrity, a large break loss of cooling accident, and a failure of electrical penetration seal to containment. This led to a monitored release to the environment.

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors evaluated the following Emergency Plan changes and risk significant implementing procedure changes:
 - STPEGS Emergency Plan, revision 0, based on standard NUREG-0654, revision 2 (effective April 2022)
 - Emergency Action Level Technical Basis Manual, revision 0

The inspectors also evaluated the 10 CFR 50.54(q) emergency plan change process and practices between July 1, 2021, and July 5, 2022. This involved review of a selection of additional licensee screening and evaluation documentation. These evaluations and reviews do not constitute NRC approval.

71114.06 - Drill Evaluation

Drill/Training Evolution Observation (IP Section 03.02) (1 Sample)

The inspectors evaluated:

- (1) the licensee's simulator-based licensed operator training evolution that involved a steam generator power operated relief valve failure, loss of feedwater, an anticipated transient without scram and an Alert notification on August 1, 2022.

RADIATION SAFETY

71124.05 - Radiation Monitoring Instrumentation

Walkdowns and Observations (IP Section 03.01) (10 Samples)

The inspectors evaluated the following radiation detection instrumentation during plant walkdowns:

- (1) Unit 2, mechanical auxiliary building failed fuel radiation monitor
- (2) Unit 2, safety injection trains A, B, and C radiation monitors
- (3) Unit 2, fuel handling building personnel contamination friskers
- (4) Unit 2, spent fuel pool floor air sampler
- (5) Unit 2, personnel whole body contamination monitors at the egress of 41' radiologically controlled area access control point
- (6) Unit 2, small article monitors at the egress of 41' radiologically controlled area access control point
- (7) Unit 2, personnel gamma exit monitors at the egress of 41' radiologically controlled area access control point
- (8) Unit 1, portable ion chambers staged for use in the mechanical auxiliary building
- (9) Unit 1, reactor containment building personnel airlock area radiation monitor
- (10) Unit 1, fuel handling building, train A exhaust radiation monitor

Calibration and Testing Program (IP Section 03.02) (13 Samples)

The inspectors evaluated the calibration and testing of the following radiation detection instruments:

- (1) Ludlum Model 9-3 ion chamber, serial number (SN) 345262, February 22 2022
- (2) Thermo Electron Corp. small article monitor, SN 1212SAM12130, August 24, 2021
- (3) Eberline AMS-4, ID No. 400-00099-004, May 25, 2022
- (4) Ludlum Model 177 sample counter, ID No. 400-00012-046, August 17, 2022
- (5) Ludlum 78 digital stretch scope, SN267956, June 7, 2022
- (6) Bicorn Microrem survey meter, SN 1252, February 9, 2022
- (7) Canberra ARGOS-5AB, SN 1306-150, October 7, 2021
- (8) Canberra GEM-5, SN 1306-155, August 2, 2022
- (9) Unit 1, chemical volume control system letdown radiation transmitter, N1RART8039, October 16, 2020
- (10) Unit 2, steam generator blowdown radiation transmitter, N2RART8043, January 27, 2021
- (11) Unit 2, reactor building high range area monitor calibration (RT-8051), October 29, 2019
- (12) Unit 2, reactor building atmosphere monitor calibration (RT-8011), July 8, 2021
- (13) Unit 2, chemical volume control system letdown radiation transmitter, N2RART8039, October 7, 2021

Effluent Monitoring Calibration and Testing Program Sample (IP Sample 03.03) (3 Samples)

The inspectors evaluated the calibration and maintenance of the following radioactive effluent monitoring and measurement instrumentation:

- (1) Unit 1, liquid waste processing system radiation monitor No. 1, RT-8038
- (2) Unit 2, main steam line 'A' radiation monitor, A2RA-RT-8046
- (3) Unit 2, mechanical auxiliary building unit vent wide range gas monitor, N2RA-RT-8010B

71124.08 - Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation

Radioactive Material Storage (IP Section 03.01) (3 Samples)

The inspectors evaluated the licensee's performance in controlling, labeling, and securing the following radioactive materials:

- (1) Unit 2, radioactive waste storage pad
- (2) old steam generator storage facility
- (3) warehouse 44

Radioactive Waste System Walkdown (IP Section 03.02) (2 Samples)

The inspectors walked down the following accessible portions of the solid radioactive waste systems and evaluated system configuration and functionality:

- (1) Unit 2, filters and demineralizers, ALPS demineralizer system, and spent resin liner transfer/fill system
- (2) Unit 1, low activity spent resin system

Waste Characterization and Classification (IP Section 03.03) (3 Samples)

The inspectors evaluated the following characterization and classification of radioactive waste:

- (1) Units 1 and 2, process filters
- (2) Unit 1, high activity spent resin
- (3) Unit 2, low activity spent resin

Shipping Records (IP Section 03.05) (4 Samples)

The inspectors evaluated the following non-excepted radioactive material shipments through a record review:

- (1) LSA II, filters, STP-1-21-040, July 29, 2021
- (2) Type A, contaminated equipment, STP-0-20-045, September 29, 2020
- (3) Type B, dewatered bead resin, STP-2-22-008, April 13, 2022
- (4) Type B, dewatered bead resin, STP-1-21-023, June 9, 2021

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

MS06: Emergency AC Power Systems (IP Section 02.05) (2 Samples)

- (1) Unit 1 (July 1, 2021, through June 30, 2022)
- (2) Unit 2 (July 1, 2021, through June 30, 2022)

MS07: High Pressure Injection Systems (IP Section 02.06) (2 Samples)

- (1) Unit 1 (July 1, 2021, through June 30, 2022)
- (2) Unit 2 (July 1, 2021, through June 30, 2022)

MS08: Heat Removal Systems (IP Section 02.07) (2 Samples)

- (1) Unit 1 (July 1, 2021, through June 30, 2022)
- (2) Unit 2 (July 1, 2021, through June 30, 2022)

EP01: Drill/Exercise Performance (DEP) Sample (IP Section 02.12) (1 Sample)

- (1) July 1, 2021, through June 30, 2022

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

- (1) July 1, 2021, through June 30, 2022

EP03: Alert And Notification System (ANS) Reliability Sample (IP Section 02.14) (1 Sample)

- (1) July 1, 2021, through June 30, 2022

In April 2022, the ANS was changed such that it relies on Integrated Public Alert & Warning System (IPAWS) as the primary means of public notification. Therefore, siren testing results will not be reported as part of this performance indicator in following quarters. ANS reliability will be assessed during normal baseline inspections.

71152A - Annual Follow-up Problem Identification and Resolution

Annual Follow-up of Selected Issues (Section 03.03) (1 Sample)

The inspectors reviewed the licensee's implementation of its corrective action program related to the following issues:

- (1)
 - switchyard insulator flashovers on January 6, and April 13, 2022.

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Follow up (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated LER 05000499/2022-001-00, Automatic Actuation of Emergency Diesel Generator due to Lockout of Switchyard Electrical Bus and licensee's response on January 6, 2022.

INSPECTION RESULTS

Failure to Provide Oversight Leads to Multiple Examples of Switchyard Insulator Flashovers			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Initiating Events	Green FIN 05000498,05000499/2022003-01 Open/Closed	None (NPP)	71152A
<p>A self-revealed Green finding was identified for the licensee’s failure to adequately implement requirements of procedure OPGP03-XS-0001, “Switchyard Management,” revision 11, to ensure adequate oversight of switchyard component maintenance. Specifically, the licensee failed to ensure that coatings of switchyard insulators were maintained. This condition resulted in flashovers which caused a de-energization of the switchyard south electrical bus and starting of safety-related equipment.</p> <p><u>Description:</u> On January 6, 2022, the licensee experienced a de-energization of the switchyard south electrical bus due to leakage current discharging to ground, otherwise known as a flashover. The unexpected de-energization resulted in a loss of power to the Unit 2 train B engineered safety features (ESF) 4160V bus. This caused an automatic start of the Unit 2 train B emergency diesel generator due to the undervoltage condition on the ESF bus.</p> <p>The licensee found the south bus had de-energized due to an electrical flashover event as a result of an insulator on the south bus. The event was reported in licensee event report 2022-001 on March 4, 2022.</p> <p>On April 13, 2022, the licensee again experienced a de-energization of the switchyard south electrical bus due to a flashover. No automatic actuation of any emergency diesel generator occurred because the Unit 2 train B ESF 4160V bus was temporarily aligned to the Unit 1 standby transformer to support maintenance. The cause was determined to be two different insulators but of the same two-piece design as the first occurrence.</p> <p>The insulators in the licensee’s electrical switchyard are owned and maintained by the transmission distribution service provider. This entity had the insulator from the first flashover event analyzed. A report was provided to the licensee that concluded the insulator had areas where the room-temperature-vulcanizing silicone rubber coating was degraded and that large sections of the insulator had lost its hydrophobicity, or its ability to repel moisture, and instead became hydrophilic, having an affinity to spread water across its surface to maximize water coverage. A combination of contamination of the surface of the insulator combined with wetting of a hydrophilic insulator surface was reported as the likely cause the flashover.</p> <p>The licensee performed a cause evaluation which stated that the equipment that failed was a transmission distribution service provider owned piece of equipment and that the service provider also performed all maintenance. When the inspectors questioned when the last time the insulator had been recoated or replaced, the licensee stated that they did not have a record for the last time either activity had been performed and neither did the transmission distribution service provider.</p> <p>The inspectors researched licensee switchyard procedures and found statements in OPGP03-XS-0001, “Switchyard Management,” revision 11, which indicate that the licensee is “responsible for performing switchyard PM [preventive maintenance] oversight.” The</p>			

inspectors determined that the licensee failed to provide adequate oversight over preventive maintenance of switchyard components as evidenced by the lack of records for previous insulator maintenance and lack of scheduled future maintenance activities.

Corrective Actions: The licensee ensured that the transmission distribution service provider replaced all switchyard insulators of similar build as the ones which caused the flashovers. The licensee then washed and commenced recoating the remaining insulators in the switchyard. The licensee also began working with the transmission distribution service provider to establish a preventive maintenance schedule for tracking insulator coatings and a monitoring program to gauge when environmental conditions warrant washing the insulators.

Corrective Action References: condition reports (CR) 2022-235, CR 2022-3717, and CR 2022-9617

Performance Assessment:

Performance Deficiency: The licensee’s failure to adequately implement requirements in procedure OPGP03-XS-0001, “Switchyard Management,” revision 11, to ensure adequate oversight of switchyard component maintenance was a performance deficiency. Specifically, the licensee failed to ensure that coatings of switchyard insulators were maintained. This degraded condition resulted in flashovers which caused a de-energization of the switchyard south electrical bus and starting of safety-related equipment.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the Equipment Performance attribute of the Initiating Events cornerstone and adversely affected the cornerstone objective to limit the likelihood of events that upset plant stability and challenge critical safety functions during shutdown as well as power operations. Specifically, the licensee failed to oversee the preventive maintenance of switchyard component which caused flashovers of three different insulators.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, “The Significance Determination Process (SDP) for Findings At-Power.” Specifically, in Exhibit 1, “Initiating Events Screening Questions,” the inspectors determined that this finding is of very low safety significance (Green), because it did not cause a reactor trip and the loss of mitigating equipment relied upon to transition the plant from the onset of the trip to a stable shutdown condition.

Cross-Cutting Aspect: Not Present Performance. No cross-cutting aspect was assigned to this finding because the inspectors determined the finding did not reflect present licensee performance. The licensee was in the process of planning and scheduling corrective actions for the first flashover when the second flashover occurred.

Enforcement: Inspectors did not identify a violation of regulatory requirements associated with this finding.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On August 17, 2022, the inspectors presented the emergency preparedness exercise inspection results to G. T. Powell, President and Chief Executive Officer and other members of the licensee staff.

- On August 19, 2022, the inspectors presented the public radiation safety inspection results to Kym Harshaw, Executive Vice President and Chief Nuclear Officer, and other members of the licensee staff.
- On October 4, 2022, the inspectors presented the integrated inspection results to Kym Harshaw, Executive Vice President and Chief Nuclear Officer and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Calculations	EC6066	Class 1E125V DC Battery Float & Equalize Voltage	
71111.04	Corrective Action Documents Resulting from Inspection	CR-YYYY-NNNN	2022-8	
71111.04	Drawings	0-E-AAAA-01, #1, #2	Main One Line Diagram	
71111.04	Drawings	9-E-DJAA-01, #1, #2	Single Line Diagram, 125V dc Class 1E Distributions Switchboard, E1A11 (Channel I)	
71111.04	Drawings	9-E-DJAB-01, #1, #2	Single Line Diagram, 125V DC Class 1E Distribution Switchboard, E1D11 (Channel II)	
71111.04	Drawings	9-E-DJAC-01, #1, #2	Single Line Diagram, 125V DC Class 1E Distribution Switchboard, E1B11 (Channel III)	
71111.04	Drawings	9-E-DJAD-01, #1, #2	Single Line Diagram, 125V DC Class 1E Distribution Switchboard, E1C11 (Channel IV)	
71111.04	Drawings	9-E-DJAE-01, #1, #2	Single Line Diagram 125V DC Class 1E Distribution Panels	
71111.04	Drawings	9-E-DJAF-01, #1, #2	Single Line Diagram 125V DC Class 1E Distribution Panels	
71111.04	Procedures	4E520EQ1006	Class 1E 125V DC Control Power System	
71111.04	Procedures	5N049EB111	Station Blackout	
71111.05	Procedures	0DGB38-FP-0501	Fire Preplan for Diesel Generator Building, Train B	4
71111.05	Procedures	0DGB38-FP-0502	Fire Preplan for Diesel Generator Building Train A	4
71111.05	Procedures	0DGB43-FP-0507	Fire Preplan Diesel Generator Building Stairwell, Train B	4
71111.05	Procedures	0EAB02-FP-0010	Electrical Auxiliary Building, Power Cable Vault Train A	3
71111.05	Procedures	0IVC48-FP-0403	Fire Preplan Isolation Valve Cubicle Pump Room Train C	4
71111.05	Procedures	0IVC51-FP-0400	Fire Preplan Isolation Valve Cubicle, Pump Room Train D	2
71111.05	Procedures	0MAB03-FP-0130	Fire Preplan Mechanical Auxiliary Building Service Areas and BRS Recycle Holdup Tanks	6
71111.05	Procedures	0PGP03-ZF-0001	Fire Protection Program	37
71111.05	Procedures	0PGP03-ZF-0011	STPEGS Fire Brigade	20
71111.15	Corrective Action	CR-YYYY-NNNN	2022-6870, 2022-6985, 2022-7145, 2022-6280, 2022-8692	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents			
71111.18	Corrective Action Documents	CR-YYYY-NNNN	2022-8274	
71111.19	Corrective Action Documents	CR-YYYY-NNNN	2022-6870, 2022-6985, 2021-8268, 2022-8857	
71111.22	Procedures	0PSP03-AF-0007	Auxiliary Feedwater Pump 14(23) Inservice Test	61
71111.22	Procedures	0PSP03-DG-0001	Standby Diesel 11(21) Operability Test	62
71111.22	Procedures	0PSP03-RH-0002	Residual Heat Removal Pump 1B(2B) Inservice Test	21
71111.22	Procedures	0PSP03-SI-0002	Low Head Safety Injection Pump 1B(2B) Inservice Test	19
71111.22	Procedures	0PSP03-SI-0005	High Head Safety Injection Pump 1B(2B) Inservice Test	23
71114.01	Corrective Action Documents	CR-YYYY-NNNN	2020-2739, 2020-10201,20 20-11085, 2020-11781, 2021-7790, 2021-8107, 2021-8130, 2021-9220, 2022-1628, 2022-4566, 2022-4857, 2022-5470	
71114.01	Corrective Action Documents Resulting from Inspection	CR-YYYY-NNNN	2022-7049	
71114.01	Procedures	0EPM04-UA-0011	Drill & Exercise Conduct and Evaluation	1
71114.01	Procedures	0EPR01-IP-0001	ERO Response	0
71114.01	Procedures	0EPR01-IP-0004	Emergency Exposure Controls	0
71114.01	Procedures	0PGP03-ZO-0057	Operator Time Critical Action Program	5
71114.01	Procedures	0POP01-ZA-0018A	Emergency Operating Procedure Generic Guidance	8
71114.01	Procedures	0POP03-ZG-0007	Plant Cutdown	97
71114.01	Procedures	0POP05-EO-E000	Reactor Trip or Safety Injection	27
71114.01	Procedures	0POP05-EO-E010	Loss Of Reactor Or Secondary Coolant	24
71114.01	Procedures	0POP05-EO-ES11	SI Termination	16
71114.01	Procedures	0POP05-EO-F0005	Containment Critical Safety Function Status Tree	4
71114.01	Procedures	0POP05-EO-FR12	Response To Low Pressurizer Level	6
71114.01	Procedures	0POP05-EO-FRZ1	Response To High Containment Pressure	12

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71114.01	Procedures	0POP05-EO-FRZ3	Response To High Containment Radiation Level	3
71114.04	Miscellaneous	0PGP05-ZV-0010, R. 20 Effectiveness Evaluation, Evaluation CR Tracking Number: CR# 21-7790-1	Changes to STPEGS Emergency Action Level Technical Basis Manual R3	09/07/2021
71114.04	Miscellaneous	0PGP05-ZV-0010, R. 20 Effectiveness Evaluation, Evaluation CR Tracking Number: CR# 21-7800-2	EP-0001.000, STPEGS Emergency Plan Change to Remove Statement Regarding Field Use of an Single Channel Analyzer	08/31/2021
71114.04	Miscellaneous	0PGP05-ZV-0010, R. 20 Screen Evaluation, Evaluation CR Tracking Number: CR# 20-2575-115	Changes Made to South Texas Project Electric Generating Station (STPEGS) Emergency Plan	09/02/2021
71114.04	Miscellaneous	Form 2, Effectiveness Evaluation Form, Evaluation CR Tracking Number 21-8130-2	Elimination of the Option to Downgrade or De-escalate from an Emergency Classification Level (ECL)	12/07/2021
71114.04	Miscellaneous	NOCXX:22035953	RE: Letter of Agreement with Luminant Power, Post Accident Analysis, NUREG-0737	11/08/2021
71114.04	Procedures	EP-0003.000	EAL Technical Basis Manual	0
71114.06	Procedures	0POP05-EO-E000	Reactor Trip or Safety Injection	27
71114.06	Procedures	0POP05-EO-E020	Faulted Steam Generator Isolation	12
71114.06	Procedures	EP-0003.000	EAL Technical Basis Manual	0

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71124.05	Corrective Action Documents	CR-YYYY-NNNN	2020-10420, 2021-12141, 2021-689, 2022-512 2020-10473, 2021-3317, 2022-1310, 2021-6965, 2022-4236 2020-11789, 2021-5896, 2022-1708, 2021-8138, 2022-6636 2020-12836, 2021-6644, 2022-2963, 2021-8878, 2022-6903, 2021-12749, 2021-12986	
71124.05	Corrective Action Documents Resulting from Inspection	CR-YYYY-NNNN	2022-8033	
71124.05	Procedures	0PRP05-RA-0002	Radiation Monitoring System Alarm Response	24
71124.05	Procedures	0PSP05-RA-8011	RCB Atmosphere Monitor Calibration (RT-8011)	21
71124.05	Procedures	0PSP05-RA-8050	RCB High Range Area Monitor Calibration	17
71124.05	Procedures	0PTP03-ZC-0001	Measuring and Test Equipment / Radiological Instrumentation Calibration Program	18
71124.05	Procedures	0PTP04-ZC-0002	Calibration of the Eberline 6112 (Series) and the Ludlum 78 Stretch Scope	6
71124.05	Procedures	0PTP04-ZC-0044	Calibration of Counting Instruments	9
71124.05	Procedures	0PTP04-ZC-0052	Calibration of Handheld Survey Meters - Ion Chambers	1
71124.05	Procedures	0PTP04-ZC-0062	Maintenance Calibration of SAM Series Small Article Monitors	1
71124.05	Procedures	0PTP04-ZC-0064	Monitor Calibration of Canberra Argos-5AB Whole Body Monitors	2
71124.05	Procedures	0PTP04-ZC-0072	Calibration of Ludlum 9-3 Ion Chambers	0
71124.05	Procedures	FIN-0001	Fix It Now Team Guideline	0
71124.05	Self-Assessments	MN-20-0-108189	Quality Monitoring Report: Oversight to verify the Radiation Protection Program is reviewed annually in accordance with 10 CFR 20	09/09/2020
71124.05	Self-Assessments	MN-21-1-108593	Quality Monitoring Report: Oversight of chemistry sampling during shutdown activities	10/20/2021
71124.05	Self-Assessments	MN-21-1-108623	Quality Monitoring Report: Oversight activity during 1RE23 to ensure RP Technicians properly maintain radiological instrumentation	10/19/2021
71124.05	Self-Assessments	MN-21-2-108408	Quality Monitoring Report: Monitored Health Physics activities related to 2RE21	04/05/2021

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71124.08	Calculations	NC-5116	Old Steam Generator Storage Facility Isotopic Characterization	03/04/2013
71124.08	Corrective Action Documents	CR-YYYY-NNNN	2020-10248, 2020-10853, 2020-11210, 2020-11211, 2020-11405, 2020-11501, 2020-11759, 2020-12434, 2020-12436, 2020-12673, 2020-09976, 2021-12250, 2021-01236, 2021-12636, 2021-12637, 2021-12638, 2021-02188, 2021-03003, 2021-03311, 2021-03577, 2021-03676, 2021-04540, 2021-00467, 2021-00509, 2021-06514, 2021-07966, 2021-08509, 2021-08921, 2021-09942, 2022-00158, 2022-04929	
71124.08	Corrective Action Documents Resulting from Inspection	CR-YYYY-NNNN	2022-8076	
71124.08	Miscellaneous	HP 5986	Unit 2, process filter waste stream update	08/02/2020
71124.08	Miscellaneous	HP 8469	Unit 2, process filter waste stream update	06/24/2021
71124.08	Miscellaneous	HP10087	Unit 1, process filter waste stream update	02/24/2022
71124.08	Miscellaneous	HP8728	Unit 1, high activity spent resin waste stream update	03/02/2022
71124.08	Procedures	OPGP03-ZO-0017	Radioactive Waste Process Control Program	9
71124.08	Procedures	OPGP03-ZR-0053	Radioactive Material Control Program	21
71124.08	Procedures	OPOP02-WS-0002	High Integrity Container (HIC) Dewatering for Shipment and Burial	16
71124.08	Procedures	OPRP03-ZR-0002	Radioactive Waste Shipments	28
71124.08	Procedures	OPRP03-ZR-0009	10CFR61 Sampling and Analysis Program	9
71124.08	Procedures	OPRP03-ZR-0010	Sorting and Processing of Radioactive Material	17
71124.08	Procedures	OPRP03-ZR-0011	Shipment of Radioactive Material	22
71124.08	Procedures	OPRP03-ZR-0012	Processing, Tracking and Loading of Spent Radioactive Filters	9
71124.08	Procedures	OPRP03-ZR-0014	Onsite Staging Facility Operations	11
71124.08	Radiation Surveys	115624	Technical Specification Inventory	07/07/2021
71124.08	Radiation Surveys	118169	Technical Specification Inventory	01/10/2022
71124.08	Self-Assessments	21-471	Snapshot Self-Assessment: STP's implementation of	02/15/2021

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			10 CFR Part 37 regulatory requirements	
71124.08	Self-Assessments	CR 20-10243	Snapshot Self-Assessment: Radwaste Assessment	12/21/2021
71124.08	Self-Assessments	CR-22-3445	Snapshot Self-Assessment: Radwaste Assessment	07/11/2022
71124.08	Self-Assessments	MN-21-0-108276	Quality Monitoring Report: Radioactive Waste Equipment and Systems	01/29/2021
71124.08	Self-Assessments	MN-21-0-108316	Quality Monitoring Report: 10 CFR Part 37 category 2 source movement	03/10/2021
71124.08	Self-Assessments	MN-21-0-108519	Quality Monitoring Report: Radioactive Source Controls	08/18/2021
71124.08	Self-Assessments	MN-21-0-108557	Quality Monitoring Report: Radiation Protection Program	09/28/2021
71124.08	Self-Assessments	MN-21-0-108664	Quality Monitoring Report: 10 CFR Part 37 Program Review	11/18/2021
71124.08	Self-Assessments	MN-21-1-108624	Quality Monitoring Report: Oversight of 1RE23 outage radioactive waste shipment	10/21/2021
71124.08	Self-Assessments	MN-21-2-108448	Quality Monitoring Report: 2RE21 outage dry active waste shipment	04/19/2021
71151	Corrective Action Documents Resulting from Inspection	CR-YYYY-NNNN	2022-7177	
71151	Miscellaneous	EP-0006.000	Prompt Notification System Design Report	09/29/2021
71151	Procedures	0EPM01-IP-0001	Emergency Preparedness Program Administration	0
71151	Procedures	0EPM04-UA-0003	EP Performance Indicator Evaluation and Tracking	0
71151	Procedures	0PGP05-ZV-0013	Performance Indicator Tracking Guide	10