



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

August 16, 2021

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

SUBJECT: SOUTH TEXAS PROJECT – SECURITY BASELINE INSPECTION REPORT  
05000498/2021402 AND 05000499/2021402

Dear Mr. Powell:

On July 30, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at South Texas Project. On July 29, 2021, the NRC inspectors discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

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,

A handwritten signature in cursive script that reads "Ray Kellar".

Signed by Kellar, Ray  
on 08/16/21

Ray L. Kellar, P.E., Chief  
Plant Support Branch 1  
Division of Reactor Safety

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

Enclosure:  
As stated

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SOUTH TEXAS PROJECT – SECURITY BASELINE INSPECTION  
 REPORT 05000498/2021402 AND 05000499/2021402 – DATED AUGUST 16, 2021

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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: 05000498/2021402 and 05000499/2021402

Enterprise Identifier: I-2021-402-0011

Licensee: STP Nuclear Operating Company

Facility: South Texas Project

Location: Wadsworth, TX

Inspection Dates: July 26, 2021 to July 30, 2021

Inspectors: D. Hostetter, Sr Physical Security Inspector  
A. Meyen, Physical Security Inspector

Approved By: Ray L. Kellar, P.E., Chief  
Plant Support Branch 1  
Division Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at South Texas Project, 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**

No findings or violations of more than minor significance were identified.

### **Additional Tracking Items**

None.

## **INSPECTION SCOPES**

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), inspectors were directed to begin telework. In addition, regional baseline inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

## **SAFEGUARDS**

### 71130.01 - Access Authorization

The inspectors evaluated the access authorization program. The following elements were evaluated:

#### Access Authorization (1 Sample)

- (1)
  - Tier I: All requirements
  - Tier II: All requirements
  - Tier III: All requirements

### 71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

#### Access Control (1 Sample)

- (1)
  - Tier I: All Requirements
  - Tier II: All Requirements
  - Tier III: All Requirements

### 71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements:

#### Review Security Plan Changes (IP Section 02.01) (1 Partial)

- (1) (Partial)  
The opportunity to apply this procedure was not available in accordance with Inspection Manual Chapter 0306. This sample was not available because the licensee did not conduct the activity covered by this IP. Specifically, the licensee has not initiated a physical security plan change in accordance with Title 10 of the *Code of Federal Regulations*, Part 50.54(p)(2) since the last performance of this IP and Physical Security Plan Revision 24 remains current.

### **OTHER ACTIVITIES – BASELINE**

#### 71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

#### PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

- (1) Unit 1 (August 2020 through July 2021)  
Unit 2 (August 2020 through July 2021)

### **INSPECTION RESULTS**

No findings were identified.

### **EXIT MEETINGS AND DEBRIEFS**

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

- On July 29, 2021, the inspectors presented the security baseline inspection results to G.T. Powell and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.01	Corrective Action Documents	CR-20-1127, CR-20-11278, CR-20-11279, CR-20-11280, CR 20-9099, CR-21-758, CR-21-1055, CR-21-2545, CR-21-3239, CR-21-6013, CR-20-7439		Multiple
	Miscellaneous	AA-013	Psychological Assessment Process	Revision 3
		AA-014	PADS Operation and Maintenance	Revision 3
		AA-019	31 Day Access Review Report	Revision 1
		AA-022	Transmittal of Access Records	Revision 0
		AA-024	Finger Printing Process	Revision 5
	Procedures	OPGP-ZA-0006	PADS	Revision 11
		OPGP09-ZA-0001	Access Authorization Program	Revision 39
		OPGP09-ZA-0002	Fitness for Duty Program	Revision 35
		OPGP09-ZA-0003	Behavior Observation Program	Revision 18
		OPGP09-ZA-0007	Unescorted Access Evaluation Process	Revision 17
		OPGP09-ZA-0008	Access Authorization Processing Procedure	Revision 8
		OPGP09-ZA-0009	Critical Group Screening Process	Revision 5
	Self-Assessments	Audit	Pinnacle Investigations, Background Investigation Program	07/10/20
	71130.02	Corrective Action Documents	CR-20-9859, CR-20-11901, CR-20-12779, CR-21-	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		1187, CR-21-2786, CR-21-5568, CR-21-6627, CR-21-7054		
	Miscellaneous	Security Event Logs		Multiple
		Security Instruction 1014	General Purpose Log Form 1, Revision 2	Revision 8
		Security Instruction 1014	Access Control Log, Form 15, Revision 1	Revision 8
		Security Technical Instruction	Hazardous Materials - Armed Security Event	02/14/2018
	Procedures	OP0PO4-ZO-SEL 2	Response to Credible Threat of Sabotage or Tampering Guidelines	Revision 14
		OPGP03-ZA-0108	Safeguards Information Program	Revision 26
		OPGP03-ZS-0001	Vehicle, Material, and Personnel Access Control	Revision 54
		OPGP03-ZS-0005	Control of Keys, Locks, Cores, Keycards and Passwords	Revision 24
		Security Instruction 2101	Access Control	Revision 35
		Security Instruction 3502	Entry Scan 4 Explosive Detector Testing	Revision 1
		Security Instruction 3702	Explosive Detector Operability Test	Revision 5
		Security Instructions 3503	Walk Through Metal Detector Performance Test	Revision 3
		Security Instructions 3701	Security Operability Tests	Revision 41
		Security Instructions 3704	Hand Geometry Unit Test	Revision 4



Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Self-Assessments	South Texas Project Operating Company	Physical/Cyber Security Quality Audit Report 20-06	09/24/2020
71130.09	Procedures	Physical Security Plan	South Texas Project Physical Security Plan, Training and Qualification, and Safeguards Contingency Plan and Independent Spent Fuel Storage Installation	Revision 24
71151	Procedures	Security Instructions 1006	Security Performance Indicator Calculator	Revision 12