



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

May 14, 2019

Mr. Richard L. Anderson, Site Vice President
Arkansas Nuclear One
Entergy Operations, Inc.
N-TSB-58
1448 S.R. 333
Russellville, AR 72802-0967

SUBJECT: ARKANSAS NUCLEAR ONE, UNITS 1 AND 2 - NRC SECURITY
INSPECTION REPORT 05000313/2019411 AND 05000368/2019411

Dear Mr. Anderson:

On April 11, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Arkansas Nuclear One, Units 1 and 2. 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.

The NRC inspectors did not identify any finding or violation of more than minor significance.

This letter, and its enclosure 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 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

If you choose to provide a response to this report that contains Security-Related Information, please mark your entire response "Security-Related Information – Withhold from Public

R. Anderson

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Disclosure Under 10 CFR 2.390" (d)(1) and follow the instructions for withholding in 10 CFR 2.390(b)(1).

Sincerely,

/RA/

Jeremy R. Groom, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6

Enclosure:
Inspection Report 05000313/2019411 and
05000368/2019411

cc: Electronic Distribution to Arkansas
Nuclear One

**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000313, 05000368

License Numbers: DPR-51, NPF-6

Report Numbers: 05000313/2019411 and 05000368/2019411

Enterprise Identifier: I-2019-411-0038

Licensee: Entergy Operations, Inc.

Facility: Arkansas Nuclear One, Units 1 and 2

Location: Russellville, Arkansas

Inspection Dates: April 8, 2019, to April 11, 2019

Inspectors: A. Meyen, Physical Security Inspector
D. Hostetter, Physical Security Inspector
C. Henderson, Senior Resident Inspector

Approved By: Jeremy R. Groom, Chief
Plant Support Branch 1
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 Arkansas Nuclear One, 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.

No findings were identified.

Additional Tracking Items

None

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) 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

71130.05—Protective Strategy Evaluation and Performance Evaluation Program (2 Samples)

The inspectors evaluated the site's protective strategy and performance evaluation program. The inspectors also observed one licensee annual force on force exercise. The following elements were evaluated:

- Tier I: all requirements.
- Tier II: all requirements.
- Tier III: all requirements.

71130.14—Power Reactor Target Sets (1 Sample)

The inspectors evaluated the power reactor target sets. The following elements were evaluated:

- Tier I: all requirements.
- Tier II: all requirements.
- Tier III: all requirements.

EXIT MEETINGS AND DEBRIEFS

On April 11, 2019, the inspectors presented the Baseline Security inspection results for the Protective Strategy Evaluation and Performance Evaluation Program procedure, to Mr. R. Anderson, Site Vice President, and other members of the licensee staff. Additionally, on February 21, 2018, the Power Reactor Target Set inspection results were presented to Mr. B. Patrick, Regulatory Assurance and Performance Improvement Director, and other members of the licensee staff. The inspectors verified no proprietary information was retained or documented in this report.

DOCUMENTS REVIEWED

71130.05—Protective Strategy Evaluation and Performance Evaluation Program

Condition Reports

2018-04269	2018-04270	2018-04305	2018-04448	2018-04460
2018-04646	2018-04686	2018-04692	2019-00833	2019-00834
2019-00851	2019-01268	2019-01295	2019-01296	2019-01297
2019-01298	2019-01299	2019-01300	2019-01301	2019-01302
2019-01303	2019-01313	2019-01316	2019-01325	2019-01920

Procedures

Number	Title	Revision
1000.019	Station Security Requirement	50
EN-LI-102	Corrective Action Plan	36
EN-NS-215	Conduct of Security Force Exercises and Drills	20
EN-NS-216	Controller Responsibilities Guidelines	11
EN-NS-220	Managing the Safety/Security Interface	4
EN-NS-225	Tactical Engagement Simulation System	2
EN-NE-232	General Employee Security Responsibilities	1
EN-NS-234	Force-on-Force Mock Adversary Program	0

Miscellaneous Documents

Number	Title	Revision or Date
1043.047	Defensive Strategy	27
ANO	Physical Security, Safeguards Contingency, and Training and Qualification Plan	11/21/2018
QA-16-2018-ANO-01	Quality Assurance Audit Report	11/28/2018

71130.14—Power Reactor Target Sets

Condition Reports

2018-00393	2018-04269	2018-04294	2018-04441	2019-00449
2019-00450	2019-00513	2019-00608	2019-00609	2019-03393

Procedures

Number	Title	Revision
EN-NS-306	Development and Maintenance of Target Sets	5
OP-1015.002	Decay Heat Removal and LTOP System Control	65
OP-1043-049	Target Sets	10,11
OP-1102	Plant Shutdown and Cooldown	84
OP-1104.023	Emergency Diesel Generator Operations	80

Procedures Number	Title	Revision
OP-1104.036	Emergency Diesel Generator Operations	98
OP-1203-029	Remote Shutdown	13
OP-1203.048	Security Event	37
OP-2203.030	Remote Shutdown	17

Miscellaneous Documents Number	Title	Revision or Date
ANO-SIR_2018-0041		
CALC-82-D-2018-98	Condensate Inventory Requirements for DBD Event	0
LO-ALO-2918-00076	IP 71130.14 Review of Power Reactor Target Sets Self-Assessment	11/29/2018
STM-1-31	Emergency Diesel Generators	14

ARKANSAS NUCLEAR ONE, UNITS 1 AND 2 - NRC SECURITY INSPECTION
 REPORT 05000313/2019411 AND 05000368/2019411 – MAY 14, 2019

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ADAMS ACCESSION NUMBER: ML19134A349

SUNSI Review: ADAMS: Non-Publicly Available Non-Sensitive Keyword: NRC-002
 By: JRG Yes No Publicly Available Sensitive

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