

UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION IV 1600 EAST LAMAR BOULEVARD ARLINGTON, TEXAS 76011-4511

March 4, 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: ANNUAL ASSESSMENT LETTER FOR ARKANSAS NUCLEAR ONE, UNITS 1

AND 2 (REPORT 05000313/2018006 AND 05000368/2018006)

Dear Mr. Anderson:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Arkansas Nuclear One, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018, through December 31, 2018. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Arkansas Nuclear One, Units 1 and 2, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all performance indicators were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

On May 31, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Arkansas Nuclear One facility, Units 1 and 2 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18165A206). During this inspection, the inspection team reviewed the last of the specific actions from the Arkansas Nuclear One Comprehensive Recovery Plan to which you committed via a Confirmatory Action Letter (CAL) dated June 17, 2016 (ADAMS Accession No. ML16169A193)(EA-16-124). As a result of closing the Yellow findings and the CAL, the NRC updated its assessment of Arkansas Nuclear One, Units 1 and 2. Based on a review of current performance indicators and inspection results at that time, the NRC determined the performance at Arkansas Nuclear One, Units 1 and 2, to be in the Licensee Response Column (Column 1) of the Reactor Oversight Process Action Matrix.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for

the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Additionally, as reflected in the enclosure, during this period the NRC staff will complete Temporary Instruction 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems (NRC Bulletin 2012-01)."

Also, in accordance with Inspection Manual Chapter 0305, Section 10.02.d.7, a follow-up inspection of your improvement initiatives completed since the Confirmatory Action Letter (EA-16-124) was closed using Inspection Procedures 71152, "Problem Identification and Resolution," and 71153, "Follow-up of Events and Notices of Enforcement Discretion," will be performed. This is reflected in the enclosure as Post Column 4 Follow-up.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Please contact me at 817-200-1574 with any questions you have regarding this letter.

Sincerely,

/RA/

Neil F. O'Keefe, Chief Project Branch D Division of Reactor Projects

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

Enclosure: Inspection Plan

07200013 - ANO

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count				
ANO Loading Inspection and TI 2690 Aging Management Inspection										
1	1 05/01/2019 05/31/2019 TI 2690/011 001454 Review of Aging Management Programs at Independent Sp Installations									

Arkansas Nuclear One

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title Staff	Count
Entergy Con	firmatory Order I	nspection				2
1, 2	01/01/2019	03/31/2019	IP 92702	000238	Followup on Corrective Actions For Violations And Deviations	
TRIENNIAL I	FIRE PROTECTION	INSPECTION				4
1, 2	01/27/2019	02/02/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2	02/10/2019	02/16/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
TARGET SET	INSPECTION					3
1, 2	02/01/2019	03/01/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
Security Pro	tective Strategy .	05				2
1, 2	02/17/2019	05/24/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
1, 2	04/08/2019	04/12/2019	IP 71130.05	000737	Protective Strategy Evaluation	
ANO 2019 II	NITIAL EXAM (UN	IIT 2)				8
2	03/24/2019	03/30/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	04/21/2019	04/27/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
RP INSPECT	ION (2,4)					2
1, 2	05/06/2019	05/10/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	05/06/2019	05/10/2019	IP 71124.04	000728	Occupational Dose Assessment	
TI 2515/194						0
1, 2	06/02/2019	06/08/2019	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated W Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bt 2012-01)	
ANO 2019 B	RQ (UNIT 1)					2
1	07/07/2019	07/13/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	е
Biennal Prol	olem Identificatio	n and Resolutio	n Inspection			4
1, 2	08/05/2019	08/09/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	08/19/2019	08/23/2019	IP 71152B	000747	Problem Identification and Resolution	
EP PROGRA	M INSPECTION					1
1, 2	08/26/2019	08/30/2019	IP 71114.02	000717	Alert and Notification System Testing	

This report does not include INPO and OUTAGE activities.

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01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title Staff Cour	nt
EP PROGRAN	1 INSPECTION					
1, 2	08/26/2019	08/30/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	08/26/2019	08/30/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	08/26/2019	08/30/2019	IP 71151	001397	Performance Indicator Verification	
Security Acce	ess Control .02					
1, 2	09/09/2019	09/13/2019	IP 71130.02	000734	Access Control	
1, 2	09/09/2019	09/13/2019	IP 71151	001338	Performance Indicator Verification	
RP INSPECTION	ON (1,3)					
1, 2	10/21/2019	10/25/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/21/2019	10/25/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
NO 10CFR5	0.59 INSPECTION	١				
1, 2	11/18/2019	11/22/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
NO 2020 IN	ITIAL EXAM (UN	IIT 1)				
1	03/01/2020	03/07/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	03/29/2020	04/04/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
nservice Insp	ection 2R27					
2	03/23/2020	04/03/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RS 12PI Radia	ation Safety					
1, 2	03/23/2020	03/27/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/23/2020	03/27/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
Arkansas Nu	clear 1, 2 - Desig	n Bases Assuran	nce Inspection (Progra	ams)		3
1, 2	06/08/2020	06/12/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	06/22/2020	06/26/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RS5678 Radia	ation Safety PS T	eam				4
1, 2	06/15/2020	06/19/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	06/15/2020	06/19/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/15/2020	06/19/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	06/15/2020	06/19/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	I
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Arkansas Nuclear One

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title Staff C	ount
MC&A - Mate	erial Control & A	ccounting				1
1, 2	06/15/2020	06/19/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
ANO 2020 BR	RQ (Unit 2)					3
2	07/05/2020	07/11/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
EP Exercise a	nd PI Inspection					4
1, 2	09/14/2020	09/18/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	09/14/2020	09/18/2020	IP 71151	001397	Performance Indicator Verification	

ANNUAL ASSESSMENT LETTER FOR ARKANSAS NUCLEAR ONE, UNITS 1 AND 2 (REPORT 05000313/2018006 AND 05000368/2018006) - March 4, 2019

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