



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

March 11, 2026

Doug Pehrson, 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 05000313/2025006 AND 05000368/2025006)**

Dear Doug Pehrson:

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, 2025, through December 31, 2025. 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 baseline inspection program was partially completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program – Operations Phase" due to the impact on federal government operations because of the federal government shutdown from October 1, 2025, to November 12, 2025, during which only excepted activities were performed.

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 PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2027. 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. The inspections listed during the last twelve 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.

This plan also includes one non-routine inspection in calendar year 2026 which is, inspection procedure IP 71007, "Reactor Vessel Head Replacement Inspection," for Unit 2, scheduled January 2026 through June 2026. The regional administrator has approved implementation of this inspection procedure.

This letter and its enclosure will be made available for public inspection and copying at [ADAMS Public Documents | NRC.gov](#) 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."

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

Sincerely,



Signed by Dixon, John  
on 03/11/26

John L. Dixon, Jr., Chief  
Reactor Projects Branch D  
Division of Operating Reactor Safety

Docket Nos. 05000313 and 05000368  
License Nos. DPR-51 and NPF-6

Enclosure:  
Inspection Plan

cc w/ encl: via GovDelivery Subscriber

ANNUAL ASSESSMENT LETTER FOR ARKANSAS NUCLEAR ONE - UNITS 1 AND 2  
 (REPORT 05000313/2025006 AND 05000368/2025006) – DATED MARCH 11, 2026

**DISTROBUTION:**

JMonninger, ORA  
 PVossmar, DORS  
 JJosey, DORS  
 DCylkowski, RC  
 TSmith, ORA  
 LGomez, ORA  
 LWilkins, OCA  
 EStamm, RIV/OEDO  
 MChawla, NRR  
 AMoreno, RIV/OCA  
 RAlexander, RSLO  
 ASanchez, DORS  
 ETinger, DORS  
 MMondou, DORS  
 AElam, DORS  
 R4-DORS-IPAT  
 R4Enforcement

PMcKenna, DRO  
 ARivera-Varona, DORL  
 HGonzalez, DORL  
 MWaters, DPR  
 TBowers, DSO  
 MMahoney, DORL  
 AAgrawal, DORS  
 DDodson, DORS  
 JDixon, DORS  
 CWynar, DORS  
 WCullum, DORS  
 BTindell, DORS  
 TAllen, DRSS  
 CJewett, DRSS  
 NGreene, DRSS  
 JRollins, DRSS  
 BAiferink, ACES  
 ROP Assessment

DOCUMENT NAME: ANNUAL ASSESSMENT LETTER FOR ARKANSAS NUCLEAR ONE - UNITS 1 AND 2  
 (REPORT 05000313/2025006 AND 05000368/2025006)

ADAMS ACCESSION NUMBER: **ML26064A055**

<input checked="" type="checkbox"/> SUNSI Review By: AAS		<input checked="" type="checkbox"/> Publicly Available and Non-Sensitive <input type="checkbox"/> Non-Publicly Available and Sensitive		
OFFICE	BC:DORS/PBD			
NAME	JDixon			
SIGNATURE	/RA/			
DATE	03/11/26			

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## ANO

01/01/2026 - 12/31/2027

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>ANO ISFSI Loading Triennial Inspection (one-week during campaign, TBD) and AMP</b>						2
	8/1/2026	9/30/2026	IP 60859	001921	Independent Spent Fuel Storage Installation (ISFSI) License Renewal Inspection	
	9/1/2026	9/30/2026	IP 60855	001001	Operation of an Independent Spent Fuel Storage Installation	

# Site Inspection Activity Plan

## Arkansas Nuclear One

01/01/2026 - 12/31/2027

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>ANO U2 Reactor Vessel Head Replacement</b>						5
2	4/1/2025	6/30/2026	IP 71007	000689	Reactor Vessel Head Replacement Inspection	
<b>ANO UNIT 1 2026 INITIAL EXAM</b>						4
1	1/4/2026	1/10/2026	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1	2/8/2026	2/14/2026	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>Inservice Inspection - ANO (U2)</b>						1
1	3/23/2026	4/3/2026	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP 1,3,PI - ANO</b>						2
1,2	3/23/2026	3/27/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	3/23/2026	3/27/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - ANO</b>						4
1,2	6/1/2026	6/5/2026	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	6/22/2026	6/26/2026	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>ANO2 2026 BRQ</b>						2
2	6/21/2026	6/27/2026	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>RP 5,6,7,8 - ANO</b>						4
1,2	7/13/2026	7/17/2026	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	7/13/2026	7/17/2026	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	7/13/2026	7/17/2026	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1,2	7/13/2026	7/17/2026	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
<b>Fire Protection Inspection - ANO</b>						3
1,2	9/14/2026	10/2/2026	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>Security 71130.01/.02/.04</b>						3
1,2	10/5/2026	10/9/2026	IP 71130.01	000733	Access Authorization	
1,2	10/5/2026	10/9/2026	IP 71130.02	000734	Access Control	
1,2	10/5/2026	10/9/2026	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	10/5/2026	10/9/2026	IP 71130.09	001656	Security Plan Changes	
1,2	10/5/2026	10/9/2026	IP 71151	001338	Performance Indicator Verification	
<b>EP Exercise &amp; PI Inspection (2026) - ANO</b>						4
1,2	10/26/2026	10/30/2026	IP 71114.01	000716	Exercise Evaluation	
1,2	10/26/2026	10/30/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	10/26/2026	10/30/2026	IP 71151	001397	Performance Indicator Verification	

# Site Inspection Activity Plan

<b>2027 Problem Identification and Resolution Inspection - ANO</b>						4
1,2	2/8/2027	2/12/2027	IP 71152B	000747	Problem Identification and Resolution	
1,2	2/22/2027	2/26/2027	IP 71152B	000747	Problem Identification and Resolution	
<b>ANO2 2027 INITIAL EXAM</b>						4
2	2/7/2027	2/13/2027	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
2	3/14/2027	3/27/2027	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>RP 1,4,PI - ANO</b>						2
1,2	4/13/2027	4/17/2027	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	4/13/2027	4/17/2027	IP 71124.04	000728	Occupational Dose Assessment	
1,2	4/13/2027	4/17/2027	IP 71151	000746	Performance Indicator Verification	
<b>Inservice Inspection- ANO (U1)</b>						1
1	4/19/2027	5/1/2027	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>Cybersecurity- ANO</b>						3
1,2	5/3/2027	5/7/2027	IP 71130.10	000741	Cybersecurity	
<b>Focused Engineering Inspection 1 - ANO</b>						3
1,2	6/7/2027	6/11/2027	IP 71111.21N	000714	Focused Engineering Inspections (FEI Placeholder)	
1,2	6/21/2027	6/25/2027	IP 71111.21N	000714	Focused Engineering Inspections (FEI Placeholder)	
<b>ANO1 2027 BRQ</b>						2
1	6/20/2027	6/26/2027	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EP Program &amp; PI Inspection (2027) - ANO</b>						1
1,2	8/2/2027	8/6/2027	IP 71114.02	000717	Alert and Notification System Testing	
1,2	8/2/2027	8/6/2027	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	8/2/2027	8/6/2027	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	8/2/2027	8/6/2027	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	8/2/2027	8/6/2027	IP 71151	001397	Performance Indicator Verification	
<b>Inservice Inspection- ANO (U2)</b>						1
2	9/27/2027	10/2/2027	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>Security 71130.02/.05</b>						4
1,2	10/25/2027	10/29/2027	IP 71130.02	000734	Access Control	
1,2	10/25/2027	10/29/2027	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	10/25/2027	10/29/2027	IP 71130.09	001656	Security Plan Changes	
1,2	10/25/2027	10/29/2027	IP 71130.14	000743	Review of Power Reactor Target Sets	
1,2	10/25/2027	10/29/2027	IP 71151	001338	Performance Indicator Verification	