



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD
ARLINGTON, TX 76011-4511

August 28, 2017

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

**SUBJECT: UPDATED INSPECTION PLAN FOR ARKANSAS NUCLEAR ONE,
UNITS 1 AND 2 (REPORT 05000313/2017005 AND 05000368/2017005)**

Dear Mr. Anderson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019, for Arkansas Nuclear One. The U. S. Nuclear Regulatory Commission (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 inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," the NRC completed a review of the status of your actions to address two Yellow findings and one White finding on August 17, 2017. One Yellow finding is in the Initiating Events Cornerstone in each unit, involving the failure to adequately approve the design and to load test a temporary lift assembly; one Yellow finding is in the Mitigating Systems Cornerstone in each unit, involving the failure to design, construct, and maintain plant design features required to protect safety-related equipment from the effects of flooding; and one White finding in the Mitigating Systems Cornerstone on Unit 2, involving the failure of an emergency diesel generator due to inadequate lubrication. This assessment concluded that Column 4 oversight remains appropriate for Arkansas Nuclear One, Units 1 and 2.

The NRC continues to perform quarterly inspections to review your progress toward completing the ANO Comprehensive Recovery Plan actions that were identified in the NRC issued Confirmatory Action Letter on June 17, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16169A193). The NRC is using Inspection Procedure 92702, "Follow-up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders," to assess the effectiveness of completed corrective actions in meeting the performance improvement objectives stated in the Comprehensive Recovery Plan. The

NRC also plans to review your actions to address the White finding using Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs," during the week of September 18, 2017, consistent with your request.

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 and its enclosure 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 O'Keefe, Branch Chief
Division of Reactor Projects

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

Enclosure:
Arkansas Nuclear One Inspection Plan

UPDATED INSPECTION PLAN FOR ARKANSAS NUCLEAR ONE, UNITS 1 AND 2 (Report 05000313/2017005 AND 05000368/2017005)

DISTRIBUTION:

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 ABoland, NRR
 KBrock, NRR
 BHolian, NSIR
 MBailey, NSIR
 DRP Branch Chiefs
 DRS Branch Chiefs
 ROP Reports Resource
 ROP Assessment Resource

ADAMS ACCESSION NUMBER: ML17242A173

SUNSI Review ADAMS: Non-Publicly Available Non-Sensitive Keyword: NRC-002
 By:JDixon/dll Yes No Publicly Available Sensitive

OFFICE	RIV/DRP/SPE	RIV/DRP/BC	RIV/DRP/C		
NAME	JDixon	NOKeefe	TPruett		
SIGNATURE	/RA/	/RA/	/RA/		
DATE	08/28/2017	08/28/2017	08/28/2017		

OFFICIAL RECORD COPY

Arkansas Nuclear One
Inspection / Activity Plan
07/01/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			95001 - UNIT 2 EDG A BEARING SLEEVE		1
2	02/01/2017	12/31/2017	IP 71153	Followup of Events and Notices of Enforcement Discretion	
2	02/01/2017	12/31/2017	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
			CAL QTR3 - CAL CLOSURE INSPECTION QTR3		4
1,2	07/01/2017	09/30/2017	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			EP-1 - BIENNIAL EP PROGRAM INSPECTION		1
1,2	07/10/2017	07/14/2017	IP 7111402	Alert and Notification System Testing	
1,2	07/10/2017	07/14/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	07/10/2017	07/14/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	07/10/2017	07/14/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			EP-2 - EP PERFORMANCE INDICATOR VERIFICATION		1
1,2	07/10/2017	07/14/2017	IP 71151-EP01	Drill/Exercise Performance	
1,2	07/10/2017	07/14/2017	IP 71151-EP02	ERO Readiness	
1,2	07/10/2017	07/14/2017	IP 71151-EP03	Alert & Notification System Reliability	
			EB1-21N - ANO DESIGN BASIS PROGRAMS INSPECTION		3
1,2	07/24/2017	08/11/2017	IP 7111121N	Design Bases Assurance Inspection (Programs)	
			TSB 52B - BIENNIAL PI&R		4
1,2	09/11/2017	09/15/2017	IP 71152	Problem Identification and Resolution	
1,2	09/25/2017	09/29/2017	IP 71152	Problem Identification and Resolution	
			EXAM - INITIAL EXAM U1		4
1	01/29/2018	02/02/2018	X02628	INITIAL EXAM ANO UNIT 1-(05/18)	
1	02/26/2018	03/02/2018	X02628	INITIAL EXAM ANO UNIT 1-(05/18)	
			CAL QTR4 - CAL CLOSURE INSPECTION QTR4		4
1,2	10/01/2017	12/31/2017	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			RS 24 - RADIATION SAFETY		2
1,2	11/06/2017	11/10/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	11/06/2017	11/10/2017	IP 71124.04	Occupational Dose Assessment	
			EB1-07T - ANO HEAT SINK PERFORMANCE		2
1,2	11/13/2017	11/17/2017	IP 7111107T	Heat Sink Performance	
			CAL QTR1 - CAL CLOSURE INSPECTION QTR1		4
1,2	01/01/2018	03/31/2018	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			RS 12PI - RAD SAFETY		2
1,2	03/26/2018	03/30/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Arkansas Nuclear One
Inspection / Activity Plan
 07/01/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			RS 12PI - RAD SAFETY		2
1, 2	03/26/2018	03/30/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/26/2018	03/30/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	03/26/2018	03/30/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			CAL QTR2 - CAL CLOSURE INSPECTION QTR2		4
1, 2	04/01/2018	06/30/2018	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			7111108 - INSERVICE INSPECTION 1R27		1
1	04/02/2018	04/13/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			EB2-03 - POST-APPROVAL LICENSE RENEWAL (TEAM)		4
2	05/21/2018	05/25/2018	IP 71003	Post-Approval Site Inspection for License Renewal	
2	06/04/2018	06/08/2018	IP 71003	Post-Approval Site Inspection for License Renewal	
			RS 5678 - RAD SAFETY		4
1, 2	06/11/2018	06/15/2018	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	06/11/2018	06/15/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/11/2018	06/15/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/11/2018	06/15/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			CAL QTR3 - CAL CLOSURE INSPECTION QTR3		5
1, 2	07/01/2018	09/30/2018	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			BRQ - BRQ		4
1, 2	07/09/2018	07/13/2018	IP 7111111B	Licensed Operator Requalification Program	
			EP-1 - EP EXERCISE INSPECTION		4
1, 2	07/16/2018	07/20/2018	IP 7111401	Exercise Evaluation	
1, 2	07/16/2018	07/20/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			EP-3 - EP PERFORMANCE INDICATORS		1
1, 2	07/16/2018	07/20/2018	IP 71151-EP01	Drill/Exercise Performance	
1, 2	07/16/2018	07/20/2018	IP 71151-EP02	ERO Readiness	
1, 2	07/16/2018	07/20/2018	IP 71151-EP03	Alert & Notification System Reliability	
			EB1-21M - ANO DESIGN BASES INSPECTION TEAMS		6
1, 2	08/13/2018	08/31/2018	IP 7111121M	Design Bases Assurance Inspection (Teams)	
			CAL QTR4 - CAL CLOSURE INSPECTION QTR4		5
1, 2	10/01/2018	12/31/2018	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			7111108 - INSERVICE INSPECTION 2R26		1
2	10/08/2018	10/19/2018	IP 7111108P	Inservice Inspection Activities - PWR	

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Arkansas Nuclear One
 Inspection / Activity Plan
 07/01/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
EB2-05XT - TRIENNIAL FIRE PROTECTION INSPECTION					4
1, 2	01/28/2019	02/01/2019	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1, 2	02/11/2019	02/15/2019	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
RS 24 - RP INSPECTION					2
1, 2	05/06/2019	05/10/2019	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/06/2019	05/10/2019	IP 71124.04	Occupational Dose Assessment	

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