



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

DATE: May 24, 2016  
FROM: John Dixon, Assistant Team Lead /RA/  
Arkansas Nuclear One - Supplemental Inspection 95003  
SUBJECT: ARKANSAS NUCLEAR ONE- NRC SUPPLEMENTAL INSPECTION  
PROCEDURE 95003 (REPORT- 05000313/2016007, and 05000368/2016007)  
LIST OF DOCUMENTS REVIEWED

From January 25 through May 12, 2016, inspectors from the U.S. Nuclear Regulatory Commission (NRC), performed a supplemental inspection at your Arkansas Nuclear One Facility. The Enclosure contains the list of documents that were reviewed by the team.

In accordance with 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).

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

Enclosure: Supplemental Inspection Procedure 95003 - List of Documents Reviewed

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817-200-1434

ADAMS ACCESSION NUMBER: ML16145A339

× SUNSI Review By: JLDixon		ADAMS × Yes <input type="checkbox"/> No	× Publicly Available <input type="checkbox"/> Non-Publicly Available	× Non-Sensitive <input type="checkbox"/> Sensitive
OFFICE	RIV/DRP	RIV/DRP		
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DATE	5/13/16	5/13/16		

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## DOCUMENTS REVIEWED

### AREA ACTION PLANS

Title

Corporate Oversight  
Corrective Action Program  
Decision Making and Risk Management  
Design and Licensing Basis  
Flood Protection Program  
Leadership Fundamentals  
Lift Rig and Vendor Oversight  
Nuclear Fundamentals  
Nuclear Safety Culture  
Organizational Capacity  
Plant Health  
Preventative Maintenance  
Procedure and Work Instruction Quality  
Training

### ROOT CAUSE EVALUATIONS (RCE)

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
CR-ANO-C-2013-0888	Unit-1 Main Turbine Generator Stator	0
CR-ANO-C-2014-2318	NOV Stator Lift Assembly Collapse, EN-MA-119 Non-Compliance	1-4
CR-ANO-C-2015-1240	Corrective Action Program Implementation	0-1
CR-ANO-C-2015-2829	Leadership Fundamentals	0-1
CR-ANO-C-2015-2831	Organizational Capacity	0-1
CR-ANO-C-2015-2833	Design and Licensing Basis	0-1
CR-ANO-C-2015-2834	Preventative Maintenance	0-1
CR-ANO-C-2015-2836	Corporate and Independent Oversight	0-1
CR-ANO-C-2015-2838	Vendor Oversight	0
CR-ANO-C-2015-4647	Procedure Use and Adherence	0
CR-ANO-2-2013-2242	Unit Auxiliary Transformer 2X-02 Bus Faults and 2X-02 Explosion/Fire	0
CR-ANO-C-2013-1304	Degraded Flood Barrier	0
CR-ANO-2-2014-0707	ANO-2 Trip from 100% Power While Aligned to Offsite Power (Startup 3 Transformer-2X-03)	0

**ROOT CAUSE EVALUATIONS (RCE)**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
CR-ANO-2-2015-0362	Unplanned Reactor Scrams	0
CR-ANO-C-2014-1142	Flood Protection Issues	0-3
CR-ANO-C-2015-2832	Decision Making and Risk Management	0-1
CR-ANO-C-2015-4626	Training to Improve Organization Performance	0

**RECOVERY PROCEDURES (RC)**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-LI-123-B2, IACPD	ANO Allocation of Resources Assessment	0
EN-LI-123-A6	Recovery Project Review Boards	0
EN-LI-123-B5	Nuclear Safety Culture Assessment	0
EN-LI-123-B4	Assessment of Performance in the Reactor Safety Strategic Performance Area (IP 95003)	0
EN-LI-123-B3	Historical Data Review	0
EN-DC-115-ANO-RC	Entergy Nuclear Management Manual – Engineering Change Process	0
EN-LI-123-A2	Recovery Team Assessments	0
EN-LI-123-A1	Recovery Project Administrative Controls	0
EN-LI-118-ANO-RC	Root Cause Evaluation Process	2
EN-LI-123-12-ANO-RC	Comprehensive Recovery Plan and Performance Metrics	0-1
EN-LI-123-B7	Collective Evaluation and Action Plan Development	0
EN-LI-123-B8	Comprehensive Recovery Plan and Performance Metrics	0
EN-LI-123-04-ANO-RC	Recovery Project Administrative Controls	0
EN-LI-123-05-ANO-RC	Recovery Team Assessments	0
	KAR – Configuration Control Assessment	0
	KAR – Design Assessment	3

**RECOVERY PROCEDURES (RC)**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-FAP-PM-003	Project Implementation – Segment 1 and 2	3
EN-LI-123-B4-FA-001, KAR	Air Operated Valve (AOV) Program Focused Assessment	December 1, 2015
EN-LI-123-B2-FA-002, IACPD	ANO PM Technical Basis and Program Assessment	0
EN-QV-136-ANO-RC	Nuclear Safety Culture Monitoring	0
EN-LI-123-07-ANO-RC	Identification, Assessment and Correction of Performance Deficiencies (IACDP) Review	
EN-LI-123-11-ANO-RC	Collective Evaluation and Action Plan Development	
EN-LI-123-09-ANO-RC	Assessment of Performance in the Reactor Safety Strategic Performance Area (IP 95003)	
EN-LI-123-10-ANO-RC	Nuclear Safety Culture Assessment	
EN-LI-123-08-ANO-RC	Historical Data Review	0
EN-LI-102-ANO-RC	Corrective Action Program	0-2

**PROCEDURES**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-HU-105	Human Performance – Managed Defenses	15
EN-LI-118-ANO	Root Cause Analysis Process	7
EN-LI-104	Self-Assessment and Benchmark Process	11
EN-FAP-LI-003	Corrective Action Review Board (CARB) Process	17
EN-FAP-PM-004	Project Implementation – Segment 3 and 4	3
EN-FAP-OM-020	Comprehensive Recovery Plans	1
EN-HU-106	Procedure and Work Instruction Use and Adherence	3
EN-OM-123	Fatigue Management Program	12
EN-OU-108	Shutdown Safety Management Program (SSMP)	8
EN-QV-125	Major Project Oversight	6
EN-WM-104	On Line Risk Assessment	12
EN-FAP-LI-002	Project Review Boards	0

## **PROCEDURES**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-FAP-LI-005	Recovery Project Admin Controls	0
EN-FAP-LI-004	Corrective Action Program Performance Indicators	3
EN-FAP-OM-016	Performance Management Processes and Practices	6
EN-FAP-OM-005	Nuclear Performance Indicator Program	2-3
EN-FAP-LI-001	Condition Review Group (CRG)	5
EN-LI-102	Corrective Action Program	24
EN-LI-121	Trending and Performance Review Process	18
EN-LI-121-01	Trend Codes	7
EN-LI-121-02	Trend Analysis	1
EN-DC-336	Plant Health Committee	8
EN-OP-111	Operational Decision Making Issue (ODMI) Process	11-12
EN-FAP-PM-001	Asset Management Plan Development, Tracking and Control	2
EN-DC-143	Engineering Health Reports	18
EN-DC-143-01	System and Component Health Report Supplemental Guidance	12
EN-FAP-MP-008	Processing Obsolete Items Identified During the Procurement Process	1
EN-OE-100	Operating Experience Program	24
EN-OE-100-01	IER Level 1 and Level 2 Evaluations and Effectiveness Reviews	1
EN-OE-100-02	Operating Experience Evaluations	1
EN-OP-105	Conduct of Operations	16
EN-OP-115	Conduct of Operations	16
EN-RP-502	Inspection and Maintenance of Respiratory Protection Equipment	9
EN-WM-105	Planning	16
EN-TQ-201-04	SAT - Implementation Phase	6
EN-TQ-212	Conduct of Training and Qualification	14
EN-EC-101	Differing Professional Opinion Resolution Process	0
EN-AD-101	Procedure Process	26

## PROCEDURES

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-LI-123-2	Safety Culture Review	4
EN-QV-134	Employee Survey Response Protocol	2
EN-QV-136	Nuclear Safety Culture Monitoring	4-6
EN-PL-190	Maintaining a Strong Safety Culture	0-4
EN-PL-187	Safety Conscious Work Environment (SCWE) Policy	0-2
FQC-PI-ACE	Apparent Cause Evaluator	0
FQC-PI-RCE	Root Cause Evaluator	0
EN-PL-155	Entergy Nuclear Change Management	9
EN-TQ-130	Project Management Training Program	0
1015.004A, COPD-020	ANO Operations Concerns Program	9
1403.151	Unit 1 Relay Calibration for DG1 and DG2 Generator	9
EN-WM-100	Work Request (WR) Generation, Screening and Classification	12
FFAM-PM-001	Project Management Job Familiarization Guide	0
EN-FAP-OM-011	Corporate Oversight Model	12
EN-OP-104	Operability Determination Process	10
EN-OP-115-03	Shift Turnover and Relief	2
1903.010	Emergency Action Level Classification	52
EN-FAP-OM-002	Management Review Meetings	4
EN-FAP-OP-006	Operator Aggregate Impact Index Performance Indicator	2
EN-OP-115-01	Operator Rounds	0
EN-OP-122	Operational Decision-Making Issue Precursor Process	0
EN-TQ-104	Engineering Support Personnel Training Program	19
5000.025	ANO Coatings Assessment Program	1
1005.002	Control of Heavy Loads	28

## PROCEDURES

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
1015.047	Condition Reporting Immediate Reportability Determination	6
1015.036	Containment Building Closeout	44
1015.001	Conduct of Operations	110
1015.003A	Unit 1 Operations Logs	92
1104.027	Battery and Switchgear Emergency Cooling System	48
1104.020	Clean Waste System Operation	59
1202.011	HPI Cooldown	7
1203.001	ICS Abnormal Operation	13
1203.023	Small Steam Generator Tube Leaks	22
1203.024	Loss of Instrument Air	
1203.045	Rapid Plant Shutdown	17
1203.012N	Annunciator K16 Corrective Action	47
1405.016	Unit 1 Penetration Fire Barrier Visual Inspection	20
1412.001	Preventative Maintenance of Limitorque SB/SMB Motor Operators	48
1304.037	Unit 1 Reactor Protection System Channel A Test	70
1304.063	Unit 1 P-7A Speed Control Calibration	26
1403.179	Molded Case Circuit Breaker Testing	28
2106.006	Emergency Feedwater System Operations	90
2202.004	Steam Generator Tube Rupture	14
2202.005	Excess Steam Demand	15
2203.21	Loss of Instrument Air	17
2203.038	Primary to Secondary Leakage	15
2203.053	Rapid Power Reduction	3
COPD-013	Operations Maintenance Interface Standards and Expectations	52
EN-OP-102	Protective and Caution Tagging	18
EN-OP-102-01	Protective and Caution Tagging Forms and Checklist	10

## PROCEDURES

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-HU-102	Human Performance Traps & Tools	14
COPD-024	Risk Assessment Guidelines	58
EN-DC-151	PRA Maintenance and Update	5
EN-FAP-OM-021	Critical Decision Procedure	1
EN-FAP-WM-002	Critical Evolutions	3
EN-MA-119	Material Handling Program	24
EN-MA-119-01	Control, Storage, and Inspection of Lifting Equipment	7
EN-DC-319	Boric Acid Control Program (BACCP)	11
EN-DC-344	Large Motor Program	4
EN-MA-123	Identification and Trending of Rework	8
EN-TQ-119	Maintenance Training Program	9
EN-TQ-119-02	Mechanical Maintenance Training Program	1
EN-TQ-119-03	Electrical Maintenance Training Program	2
EN-DC-148	Vendor Manuals and the Vendor Re-Contact Process	5
EN-MA-101	Conduct of Maintenance	18
EN-WM-101	On-line Work Management Process	12
EN-WM-102	Work Implementation and Closeout	9
EN-FAP-WM-011	Work Planning Standard	4
EN-FAP-WM-012	Work Management Process Indicators	3
EN-DC-324	Preventive Maintenance Program	15
EN-DC-153	Preventive Maintenance Component Classification	12
EN-DC-310	Predictive Maintenance Program	7
EN-EP-305	Emergency Planning 10 CFR 50.54(q) Review Program	1-3
EN-EP-306	Drills and Exercises	7



## **PROCEDURES**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-EP-308	Emergency Planning Critiques	3
EN-TQ-110	Emergency Response Organization Training	12
EN-TQ-110-01	Fleet E-Plan Training Course Summary	3
EP-002	EP Desk Guide: Early Warning System	12
EP-003	EP Desk Guide: OSC Emergency Response Facility Walkthrough	19
EP-006	EP Desk Guide: Drill/Exercise Manual Addendum	11-12
EP-017	EP Desk Guide: AEOF Emergency Response Facility Walkthrough	13
EP-008	EP Desk Guide: EOF Emergency Response Facility Walkthrough	34
1203.0121	Annunciator K10 Corrective Action	54
1903.003	Assignment of Personnel to the Emergency Response Organization (ERO)	21
1903.004	Administration and Maintenance of the Emergency Plan and Implementing Procedures	31
1903.10	Emergency Action Level Classification	51-52
1903.11	Emergency Response / Notifications	48 & 50
1903.062	Communications System Operating Procedure	28
1903.069	Equipment Important to Emergency Preparedness	3
2203.012K	Annunciator 2K11 Corrective Action	45
EN-DC-329	Engineering Programs Control and Oversight	6
EN-DC-105	Entergy Nuclear Management Manual – Configuration Management	4
EN-DC-112	Entergy Nuclear Management Manual – Engineering Change Request Process	8
EN-DC-126	Entergy Nuclear Management Manual – Engineering Calculation Process	5
EN-DC-132	Entergy Nuclear Management Manual – Control of Engineering Documents	7
EN-DC-134	Entergy Nuclear Management Manual – Design Verification	6
EN-EC-100-01	Employee Concern Coordinator Training Program	1

## **PROCEDURES**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-EC-100	Guidelines for Implementation of the Employee Concerns	9
2104.037	Alternate AC Diesel Generator Operations	31
1403.152	Unit 1 A4 Bus Undervoltage Relay Calibration	10
FCBT-GET-PATSS	Entergy Fleet Plant Access Training	22
EN-HR-138	Executive Review Board Process for Employees	5
EN-HR-138-01	Executive Review Board for Supplemental Personnel	1
EN-DC-195	Margin Management	8
EN-MA-130	NMM FIN Team Process	3
EN-OM-126	Management and Oversight of Supplemental Personnel	11
EN-OM-126-02	Qualification of Responsible Oversight for Supplemental Personnel	2
EN-OM-126-03	Qualification of Supplemental Supervisors	2
EN-OM-OU-103	Long Range Outage Planning	3
EN-FAP-OU-100	Refueling Outage Preparation and Milestones	7
EN-FAP-OU-104	Refueling Outage Scope Identification and Control	4
SEP-WTI-ANO-001	Wall Thinning Inspection (WTI)	1
SEP-ISI-ANO1-101	ASME Section XI, Division 1 ANO 1 Inservice Inspection Program	1
SEP-ISI-ANO2-105	ASME Section XI, Division 1 ANO 2 Inservice Inspection Program	1
EN-DC-167	Classification of Structures, Systems, and Components	8
EN-DC-184	NRC Generic Letter 89-13 Service Water Program	3
EN-DC-340	Microbiologically Influenced Corrosion (MIC) Monitoring Program	3
EN-DC-348	Non-EQ Insulated Cables and Connections Inspection	5
1412.054	Unit 1 AC Motor Control Centers	32
EN-FAP-LR-007	Evaluation of Aging Management Programs	6

## **PROCEDURES**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EN-FAP-LR-020	License Renewal Implementation	2
SEP-RR-ANO-C-001	ASME Repair Replacement Program	2
1203.012H	Annunciator K09 Corrective Action	46
1032.036	Service Water Piping Leak Evaluation and Monitoring	4
1402.009	P-7 A&B Emergency Feedwater Pump Maintenance	12
2104.039	HPSI System Operation	45
2311.002	Service Water System Flow Test	21
2305.020	SW to EFW Flush and MOV DP Tests	10
PQR-107		1
6030.110	Termination, Splicing and Soldering of Cable and Wire	004-050-0
EN-DC-222	Facility Ratings per NERC Reliability Standard FAC-008	0
EN-DC-349	Metal Enclosed Bus Inspection Procedure	3
EN-DC-346	Cable Reliability Program	6
1203.25	Natural Emergencies	56
2203.008	Natural Emergencies	38
6030.101	Installation of Penetration Seals	12
2412.074	Unit 2 AC Motor Control Centers	21

## **ENGINEERING REPORTS**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
OAR 1431	Inservice Inspection Summary Report for Twenty-Fifth Refueling Outage (1R25)	May 21, 2015
OAR 1422	Inservice Inspection Summary Report for the Twenty-Fourth Refueling Outage (1R24), ANO – Unit 1	October 8, 2013
OAR 2421	Inservice Inspection Summary Report for the Twenty-Third Refueling Outage (2R23)– ANO Unit 2	August 18, 2014

## ENGINEERING REPORTS

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
OAR 2412	Inservice Inspection Summary Report for the Twenty-Second Refueling Outage (2R22) ANO – Unit2	December 3, 2012
2-BOP-UT-15-048	Service Water Supply Header #2-MIC 2.B.2.13	September 1, 2015
A-EP-2005-001	ANO Microbiological Influenced Corrosion (MIC) Program	1
NF001099	NALCO Analysis – Unit 1 Service Supply To Reactor Building Coolers VCC-2A/2B (“A” EFW Pump Room)	November 7, 2011
NF001100	NALCO Analysis – Unit 1 Intake (P-4A Discharge At Upstream Weld of CV-3646)	November 1, 2011
ANO2 2P32C	RCP Discharge – DMW	September 11, 2009
ANO2 2P32D	RCP Discharge – DMW	September 10, 2009
ANO2 2SI-15B	Safety Injection Nozzle – DMW	September 12, 2009
	Design Report Update: Upgraded Public Alert and Notification System (ANS) Arkansas Nuclear One (ANO)	May 2009
	Arkansas Nuclear One On-Shift Staffing Analysis Final Report	December 13, 2012
1903.062C	Emergency Response Staffing Drill Report – Quarterly Call-In Drill	June 27, 2011
1903.062C	Emergency Response Staffing Drill Report – Quarterly Call-In Drill	June 22, 2012
1903.062C	Emergency Response Staffing Drill Report – Off Hours Mobilization Drill	November 27, 2012
1903.062C	Emergency Response Staffing Drill Report – Quarterly Call-In Drill	August 23, 2014
1903.062C	Emergency Response Staffing Drill Report – Off Hours Mobilization Drill	September 10, 2015
EP-2011-0023	Arkansas Nuclear One ANS Design Report Update Corrections	June 14, 2011

**ENGINEERING REPORTS**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EP-2015-024	December 9, 2015 Full Scale Drill	January 8, 2016
NQ-2007-007	QA Surveillance Report QS-2007-ANO-001	April 17, 2007
NQ-2010-008	Quality Assurance Surveillance Report QS-2010-ANO-003	April 27, 2009
NQ-2011-010	Quality Assurance Audit Report QA-07-2011-ANO-1	June 28, 2011
1903.062C	Emergency Response Staffing Drill Report – Quarterly Call-In Drill	February 27, 2014
1903.062C	Emergency Response Staffing Drill Report – Quarterly Call-In Drill	March 15, 2013
NQ-2015-028	Quality Assurance Audit Report QA-07-2015-ANO-01, Emergency Plan	June 10, 2015

**TRAINING LESSON PLANS**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
ASLPSTASRO 1603	Operability Determination Functionality Assessment Fundamentals	January 26, 2016
ASLPOPSTAG 1603	Tagging OE	January 26, 2016
ASWKBEAL16 03	EAL Workbook	January 25, 2016
A1LPNLORRX T1603	Reactor Theory	January 21, 2016

**WORK ORDERS (WO)**

52577704	52608471	52370372	52367410	00347269
52331320	52531334	52508905	52571931	00389851
00241168	0369570	00412506	0353954 03	00353954 09
00353954 17	00353954 19	00253954 30	00353954 45	00354318 01
00346560 30	00354320 01	00414355 04	52273592 01	52517147 01
52516176 01	00128151 01	00128143 01	52366905 01	51670375 01
0021546501	5240333301	5259301401	52544655 01	5227083301
0035994401	5248507101	00369706	00393937	435863
0036449901	5253132301	0028543101	00122821	00122823

**WORK ORDERS (WO)**

5151546901	5257036701	5244879101	0036958301	0039057501
0015558801	5235599001	5260741801	435862	52608471
5220054901	5257584001	5254548301	5226553301	5260741801
0015558801	5235599001			

**ENGINEERING REQUESTS (ER)**

002409E201	974487E201	ER-ANO-2005-0149-005	ER-ANO-2003-0258-000	ER-ANO-2005-0149-004
ER-963419E201	ER-991392-E301	ER-ANO-2001-1205-001		

**ENGINEERING CHANGE (EC)**

002409E201	974487E201	EC-34948	EC-46318	EC-51913
EC-51777	EC-51778	EC-48771	EC-45635	EC-5568
EC-46389	EC-52545	EC-53949	EC-62927	EC-49725
EC-15295				

**DESIGN CHANGE PACKAGE (DCP)**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
92-2021	ANO Offsite Power Regulation for Start-Up #3 and Start-Up #2	September 29, 1994
93-1003	ANO Offsite Power Regulation for Start-Up #1	September 1, 1993

**EQUIVALENT CHANGE (EC)**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EC-52493	Provide justification and documentation to mitigate the risk of water induced electrical faults associated with the Startup Transformer #2 switchgear 2A-111, 2A-211, 2H-13, 2H-23 and associated non-segregated buses and also associated with Startup Transformer #3 switchgear 2A-113, 2A-213, 2H-15, 2H-25 and associated non-segregated buses.	July 13, 2015
EC-45220	Evaluate minor changes associated with the repair and reinstallation of the power cables	

**COMPLETED SURVEILLANCE, MAINTENANCE AND MODIFICATION TESTING**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
5220.009, Unit-2	5220.009, Unit-2, Containment Building & Exterior Structural Inspection	September 20, 2015
2-ISI-VT-15-147	2-ISI-VT-15-147, Visual Examination of IWE Surfaces (General), Summary A2.E1.11.WS-028	October 20, 2015
2-ISI-VT-15-148	2-ISI-VT-15-148, Visual Examination of IWE Surfaces (General), Summary A2.E1.11.WS-029	October 20, 2015
2-ISI-VT-15-149	2-ISI-VT-15-149, Visual Examination of IWE Surfaces (General), Summary A2.E1.11.WS-030	October 10, 2015
2-ISI-VT-15-159	2-ISI-VT-15-159, Visual Examination of IWE Surfaces (General), Summary A2.E1.30, Moisture Barrier	October 29, 2015
2-ISI-VT-15-162	2-ISI-VT-15-162, Visual Examination of IWE Surfaces (General), Summary A2.E1.30, Moisture Barrier	November 3, 2015
1405.016, U-1	OP-1405.016, U-1, Penetration Fire Barrier Visual Inspections	20
2405.016, U-2	OP-2405.016, U-2, Penetration Fire Barrier Visual	20

**ACTION REQUESTS (ARs)**

228139                      229523                      229036                      228140

**CONDITION REPORTS (CRs) FROM NRC QUESTIONING**

CR-ANO-1-2016-00339	CR-ANO-1-2016-00472	CR-ANO-1-2016-00511
CR-ANO-1-2016-00340	CR-ANO-1-2016-00473	CR-ANO-1-2016-00517
CR-ANO-1-2016-00341	CR-ANO-1-2016-00474	CR-ANO-1-2016-00733
CR-ANO-1-2016-00342	CR-ANO-1-2016-00481	CR-ANO-1-2016-00739
CR-ANO-1-2016-00343	CR-ANO-1-2016-00484	CR-ANO-1-2016-00767
CR-ANO-1-2016-00347	CR-ANO-1-2016-00486	CR-ANO-1-2016-00768
CR-ANO-1-2016-00348	CR-ANO-1-2016-00487	CR-ANO-1-2016-00769
CR-ANO-1-2016-00350	CR-ANO-1-2016-00488	CR-ANO-1-2016-00689
CR-ANO-1-2016-00352	CR-ANO-1-2016-00490	CR-ANO-1-2016-00824
CR-ANO-1-2016-00353	CR-ANO-1-2016-00491	CR-ANO-1-2016-00834
CR-ANO-1-2016-00354	CR-ANO-1-2016-00492	CR-ANO-1-2016-00836
CR-ANO-1-2016-00356	CR-ANO-1-2016-00493	CR-ANO-1-2016-00839
CR-ANO-1-2016-00357	CR-ANO-1-2016-00494	CR-ANO-C-2016-00428
CR-ANO-1-2016-00372	CR-ANO-1-2016-00439	CR-ANO-2-2016-00343
CR-ANO-1-2016-00374	CR-ANO-1-2016-00445	CR-ANO-2-2016-00346
CR-ANO-1-2016-00375	CR-ANO-1-2016-00641	CR-ANO-2-2016-00347
CR-ANO-1-2016-00545	CR-ANO-1-2016-00592	CR-ANO-2-2016-00417
CR-ANO-1-2016-00549	CR-ANO-1-2016-00606	CR-ANO-2-2016-00421

**CONDITION REPORTS (CRs) FROM NRC QUESTIONING**

CR-ANO-1-2016-00550	CR-ANO-1-2016-00333	CR-ANO-2-2016-00921
CR-ANO-1-2016-00551	CR-ANO-1-2016-00334	CR-ANO-2-2016-00391
CR-ANO-1-2016-00552	CR-ANO-1-2016-00335	CR-ANO-2-2016-00396
CR-ANO-2-2016-00508	CR-ANO-1-2016-00336	CR-ANO-2-2016-00397
CR-ANO-2-2016-00490	CR-ANO-1-2016-00337	CR-ANO-2-2016-00398
CR-ANO-2-2016-00510	CR-ANO-1-2016-00338	CR-ANO-2-2016-00399
CR-ANO-2-2016-00533	CR-ANO-2-2016-00670	CR-ANO-2-2016-00401
CR-ANO-2-2016-00632	CR-ANO-2-2016-00672	CR-ANO-2-2016-00403
CR-ANO-2-2016-00431	CR-ANO-2-2016-00674	CR-ANO-2-2016-00508
CR-ANO-2-2016-00445	CR-ANO-2-2016-00676	CR-ANO-1-2016-00098
CR-ANO-2-2016-00404	CR-ANO-2-2016-00677	CR-ANO-C-2016-00418
CR-ANO-2-2016-00405	CR-ANO-2-2016-00287	CR-ANO-C-2016-00435
CR-ANO-2-2016-00406	CR-ANO-2-2016-00372	CR-ANO-C-2016-00434
CR-ANO-2-2016-00407	CR-ANO-2-2016-00375	CR-ANO-1-2016-01075
CR-ANO-2-2016-00408	CR-ANO-C-2016-00446	CR-ANO-1-2016-01087
CR-ANO-2-2016-00410	CR-ANO-C-2016-00456	CR-ANO-C-2016-00524
CR-ANO-2-2016-00412	CR-ANO-C-2016-00457	CR-ANO-2-2016-00443
CR-ANO-2-2016-00413	CR-ANO-C-2016-00463	CR-ANO-2-2016-00454
CR-ANO-C-2016-00178	CR-ANO-C-2016-00471	CR-ANO-2-2016-00722
CR-ANO-C-2016-00074	CR-ANO-C-2016-00476	CR-ANO-2-2016-00730
CR-ANO-C-2016-0399	CR-ANO-C-2016-00478	CR-ANO-2-2016-00648
CR-ANO-C-2016-0422	CR-ANO-C-2016-00479	CR-ANO-2-2016-00264
CR-ANO-C-2016-0425	CR-ANO-C-2016-00480	CR-ANO-2-2016-00283
CR-ANO-C-2016-0462	CR-ANO-C-2016-00482	CR-ANO-C-2016-00419
CR-ANO-C-2016-0510	CR-ANO-C-2016-01264	CR-ANO-C-2016-00563
CR-ANO-C-2016-00230	CR-ANO-C-2016-00582	CR-ANO-C-2016-00582
CR-ANO-C-2016-00323	CR-ANO-1-2016-00209	CR-ANO-1-2016-00236
CR-ANO-C-2016-00400	CR-ANO-C-2016-00558	CR-ANO-1-2016-00606
CR-ANO-C-2016-00463	CR-ANO-C-2016-00782	CR-ANO-1-2016-00402
CR-ANO-C-2016-00571	CR-ANO-C-2016-01224	CR-ANO-1-2016-00396
CR-ANO-C-2016-01224	CR-ANO-C-2016-01264	CR-ANO-2-2016-00677
CR-ANO-C-2016-01264	CR-ANO-C-2016-00651	CR-ANO-2-2016-00670
CR-ANO-C-2016-00678	CR-ANO-2-2016-00361	CR-ANO-2-2016-00421
CR-ANO-C-2016-00614	CR-ANO-C-2016-00679	CR-ANO-C-2016-00587
CR-ANO-C-2016-01348	CR-ANO-1-2016-01102	CR-ANO-1-2016-00488
CR-ANO-C-2016-01389	CR-ANO-2-2016-01319	CR-ANO-2-2016-00789
CR-ANO-2-2016-00946	CR-ANO-C-2016-01528	CR-ANO-C-2016-00377
CR-ANO-C-2016-00895	CR-ANO-C-2016-01529	CR-ANO-1-2016-00769
CR-ANO-1-2016-00401	CR-ANO-1-2016-00787	CR-ANO-1-2016-00778
CR-ANO-1-2016-00438	CR-ANO-2-2016-00343	CR-ANO-1-2016-00149
CR-ANO-1-2016-00397	CR-ANO-C-2016-00588	CR-ANO-C-2016-00255
CR-ANO-1-2016-00056	CR-ANO-2-2016-00764	CR-ANO-1-2016-00320
CR-ANO-C-2016-0462	CR-ANO-C-2016-00803	CR-ANO-C-2016-00328
CR-ANO-C-2016-00331	CR-ANO-C-2016-00816	CR-ANO-1-2016-00334



**CONDITION REPORTS (CRs) FROM NRC QUESTIONING**

CR-ANO-1-2016-00490	CR-ANO-C-2016-00838	CR-ANO-1-2016-00240
CR-ANO-C-2016-0399	CR-ANO-C-2016-00884	CR-ANO-1-2016-00279
CR-ANO-C-2016-0422	CR-ANO-C-2016-00895	CR-ANO-C-2016-01131
CR-ANO-2-2016-00375	CR-ANO-C-2016-00905	CR-ANO-C-2016-01155
CR-ANO-C-2016-00194	CR-ANO-1-2016-00352	CR-ANO-1-2016-00237

**CONDITION REPORTS (CRs)**

CR-ANO-C-2015-2221	CR-ANO-C-2015-2286	CR-ANO-C-2015-2451
CR-ANO-C-2015-2323	CR-ANO-C-2015-1864	CR-ANO-C-2015-2282
CR-ANO-1-2015-2346	CR-ANO-C-2015-2467	CR-ANO-C-2015-2244
CR-ANO-C-2015-2241	CR-ANO-C-2015-2775	CR-ANO-C-2015-1746
CR-ANO-2-2015-1746	CR-ANO-C-2015-2328	CR-ANO-C-2015-2328
CR-ANO-C-2015-2406	CR-ANO-C-2015-2379	CR-ANO-C-2015-2368
CR-ANO-C-2015-2318	CR-ANO-C-2015-2523	CR-ANO-C-2015-1245
CR-ANO-C-2015-2500	CR-ANO-1-2015-2643	CR-ANO-C-2014-2488
CR-ANO-1-2014-00759	CR-ANO-2-2015-01671	CR-ANO-C-2011-02942
CR-ANO-1-2015-02230	CR-ANO-2-2015-05263	CR-ANO-C-2014-00259
CR-ANO-1-2015-02618	CR-ANO-2-2015-02879	CR-ANO-C-2015-01240
CR-ANO-1-2015-02619	CR-ANO-C-2015-02831	CR-ANO-C-2015-02145
CR-ANO-1-2015-02620	CR-ANO-2-2015-01826	CR-ANO-C-2015-02241
CR-ANO-1-2015-02621	CR-ANO-C-2015-01032	CR-ANO-C-2015-02244
CR-ANO-1-2015-02628	CR-ANO-2-2015-00797	CR-ANO-C-2015-02245
CR-ANO-1-2015-02630	CR-ANO-2-2014-02970	CR-ANO-C-2015-02249
CR-ANO-1-2015-02633	CR-ANO-C-2014-02814	CR-ANO-C-2015-02829
CR-ANO-1-2015-02634	CR-ANO-1-2014-01628	CR-ANO-C-2015-02832
CR-ANO-1-2015-02670	CR-ANO-2-2013-01961	CR-ANO-C-2015-02834
CR-ANO-1-2015-04178	CR-ANO-2-2013-01913	CR-ANO-C-2015-03030
CR-ANO-2-2013-02502	CR-ANO-1-2009-01045	CR-ANO-C-2015-03567
CR-ANO-2-2015-02879	CR-ANO-1-2008-02560	CR-ANO-C-2015-04389
CR-ANO-1-2015-00882	CR-ANO-1-2005-01140	CR-ANO-C-2015-02831
CR-ANO-C-2015-03029	CR-ANO-1-2015-03272	CR-ANO-C-2013-02916
CR-ANO-C-2006-00665	CR-ANO-C-2010-00977	CR-ANO-C-2010-02502
CR-ANO-C-2012-00098	CR-ANO-C-2012-00358	CR-ANO-C-2013-00666
CR-ANO-C-2013-00781	CR-ANO-2-2015-04328	CR-ANO-C-2014-02478
CR-ANO-C-2015-03618	CR-ANO-C-2015-04767	CR-ANO-C-2014-02596
CR-ANO-C-2014-02597	CR-ANO-C-2015-02834	CR-ANO-C-2015-02388
CR-ANO-C-2015-04198	CR-ANO-1-2004-00668	CR-ANO-C-2015-02982
CR-ANO-C-2015-04521	CR-ANO-C-2015-03663	CR-ANO-C-2015-00712
CR-ANO-C-2015-04766	CR-ANO-C-2015-04884	CR-ANO-C-2015-04768
CR-ANO-C-2015-04769	CR-ANO-C-2015-04865	CR-ANO-C-2015-04879
CR-ANO-C-2015-04406	CR-ANO-C-2015-04893	CR-ANO-C-2015-04881
CR-ANO-C-2015-04950	CR-ANO-C-2015-01493	CR-ANO-C-2015-02385

**CONDITION REPORTS (CRs)**

CR-ANO-C-2015-04769	CR-ANO-C-2015-03033	CR-ANO-C-2015-04770
CR-ANO-C-2015-04659	CR-ANO-C-2015-02413	CR-ANO-C-2015-01239
CR-ANO-C-2013-02823	CR-ANO-C-2013-02973	CR-ANO-C-2014-03276
CR-ANO-C-2015-02336	CR-ANO-C-2015-02406	CR-ANO-C-2015-01342
CR-ANO-2-2013-02242	CR-ANO-C-2011-01540	CR-ANO-1-2015-02735
CR-ANO-1-2015-02230	CR-ANO-C-2015-02412	CR-ANO-1-2015-01940
CR-ANO-C-2004-02078	CR-ANO-C-2015-02365	CR-ANO-2-2015-02253
CR-ANO-2-2013-01621	CR-ANO-C-2015-01962	CR-ANO-1-2015-00795
CR-ANO-2-2013-01620	CR-ANO-C-2015-01577	CR-ANO-1-2013-01054
CR-ANO-2-2013-01616	CR-ANO-2-2014-00707	CR-ANO-2-2015-04711
CR-ANO-C-2010-01551	CR-ANO-2-2015-00550	CR ANO-C-2015-03031
CR-ANO-C-2003-00905	CR-ANO-2-2013-00565	CR ANO-C-2015-02830
CR-ANO-1-2003-00958	CR ANO-C-2013-02838	CR ANO-C-2015-04677
CR-ANO-2-2003-01417	CR-ANO-1-2015-02857	CR-ANO-1-2015-02353
CR-ANO-2-2003-01544	CR-ANO-2-2015-03105	CR-ANO-1-2015-02631
CR-ANO-1-2005-00578	CR-ANO-1-2007-01622	CR-ANO-1-2015-02306
CR-ANO-2-2015-05156	CR-ANO-C-2015-01711	CR-ANO-1-2013-02185
CR-ANO-1-2010-01457	CR-ANO-2-2014-00232	CR-ANO-1-2013-02846
CR-ANO-2-2011-00386	CR-ANO-C-2014-00259	CR-ANO-2-2015-04749
CR-ANO 2-2011-01098	CR-ANO-2-2014-00264	CR-ANO-1-2015-01028
CR-ANO 1-2011-01680	CR-ANO-1-2015-00193	CR-ANO-1-2015-02346
CR-ANO 1-2013-00510	CR-ANO-1-2015-00200	CR-ANO-2-2015-01634
CR-ANO 2-2013-00892	CR-ANO-1-2015-00498	CR-ANO-2-2015-02221
CR-ANO C-2013-01097	CR-ANO-1-2015-00762	CR-ANO-2-2015-03011
CR-ANO C-2013-01156	CR-ANO-1-2015-00861	CR-ANOC-2015-01284
CR-ANO C-2013-01304	CR-ANO-1-2015-00881	CR-ANO-C-2015-01493
CR-ANO 2-2013-01822	CR-ANO-C-2013-02916	CR-ANO-2-2015-05013
CR-ANO-C-2014-00202	CR-ANO-C-2015-03229	CR-ANO-C-2015-03033
CR-ANO-C-2014-00210	CR-ANO-2-2015-04187	CR-ANO-C-2015-03942
CR-ANO-C-2015-2379	CR-ANO-C-2014-2488	CR-ANO-C-2015-02838
CR-ANO-C-2015-2368	CR-ANO-2-2015-04348	CR-ANO-C-2015-05072
CR-ANO-C-2015-2436	CR-ANO-2-2015-04386	CR-ANO-C-2015-2175
CR-ANO-C-2015-1864	CR-ANO-1-2015-00902	CR-ANO-C-2014-01925
CR-ANO-1-2015-02643	CR-ANO-1-2015-01112	CR-ANO-1-2015-00627
CR-ANO-C-2015-02285	CR-ANO-2-2014-00648	CR-ANO-1-2015-05010
CR-ANO-C-2015-2328	CR-ANO-2-2014-03475	CR-ANO-1-2015-02618
CR-ANO-1-2015-02456	CR-ANO-2-2015-00581	CR-ANO-C-2015-02287
CR-ANO-1-2015-02630	CR-ANO-2-2015-02210	CR-ANO-C-2015-02284
CR-ANO-1-2015-02620	CR-ANO-2-2015-01364	CR-ANO-1-2015-2643
CR-ANO-C-2015-01879	CR-ANO-C-2015-02833	CR-ANO-C-2015-02368
CR-ANO-2-2015-05036	CR-ANO-C-2015-04461	CR-ANO-C-2015-00627
CR-ANO-C-2015-02296	CR-ANO-C-2015-02367	CR-ANO-C-2015-02369
CR-ANO-1-2015-00408	CR-ANO-C-2015-03034	CR-ANO-C-2015-02222
CR-ANO-C-2015-02834	CR-ANO-C-2015-03788	CR-ANO-1-2015-00513

**CONDITION REPORTS (CRs)**

CR-ANO-C-2015-04965	CR-ANO-C-2015-05010	CR-ANO-C-2015-04804
CR-ANO-C-2015-02460	CR-HQN-2014-00291	CR-ANO-1-2015-00386
CR-HQN-2016-00105	CR-HQN-2016-00207	CR-ANO-1-2015-03766
CR-HQN-2016-00207	CR-HQN-2015-868	CR-HQN-2014-00570
CR-HQN-2015-00566	CR-HQN-2014-0291	CR-HQN-2013-00278
CR-HQN-2014-00667	CR-IP3-2015-03795	CR-RBS-2013-03328

**MISCELLANEOUS DOCUMENTS**

<u>Title</u>	<u>Revision/Date</u>
ANO Unit 1, At-Power Probabilistic Risk Analysis Model	4
ANO Unit 2, At-Power Probabilistic Risk Analysis Model	4
ANO Unit 2 Service Water Performance Monitoring Plan and Trending Data	
ANO Unit 1 Emergency Feedwater System	8
Arkansas Nuclear One Integrated Resource Allocation Project Plan	November 11, 2015
Arkansas Nuclear One Collective Evaluation Report, Part 1	0
ANO 5-Year Staffing Summary 2016-2021	February 1, 2016
ANO Unit 2 Condensate, Heater Drain System Health Report, 4th Quarter	2014
ANO Unit 2 Condensate, Heater Drain System Health Report, 4th Quarter	2015
ANO Emergency Plan	0, 36, 37, 38, 39, & 40
ANO Unit 1 Operations 5 year Staffing Summary Target Year 2016,	February 1, 2016
ANO 1R25 Outage Commitment List	
ANO 2R24 Outage Commitment List	
ANO 2015 Equipment Reliability Online Commitment List	
ANO 2016 Equipment Reliability Online Commitment List (Draft)	
ANO 2016 Backlog Reduction Project Plan	
ANO Current O&M Projects (2016-2020)	January 25, 2016
ANO Long Range Outage Plan Summary – Next 5 Outages	
ANO MPRC Capital Spreadsheet (2016-2020)	February 3, 2016
ANO-1 AC Distribution Health Report 3Q15	
ANO-1 DC Distribution Health Report 3Q15	

## MISCELLANEOUS DOCUMENTS

<u>Title</u>	<u>Revision/Date</u>
ANO-1 Reactor Protection System Health Report 3Q15	
ANO-1 Emergency Feedwater System Health Report 3Q15	
ANO-1 Service Water Health Report 3Q15	
ANO-1 AC Distribution Performance Monitoring Plan and Trending Data, 4Q15	
ANO-1 DC Distribution Performance Monitoring Plan and Trending Data, 4Q15	
ANO-1 Reactor Protection System Performance Monitoring Plan and Trending Data, 4Q15	
ANO-1 Emergency Feedwater Performance Monitoring Plan and Trending Data, 4Q15	
ANO-1 Service Water Performance Monitoring Plan and Trending Data, 4Q15	
ANO-2 AC Distribution Health Report 3Q15	
ANO-2 DC Distribution Health Report 3Q15	
ANO-2 Reactor Protection System Health Report 3Q15	
ANO-2 Emergency Feedwater System Health Report 3Q15	
ANO-2 Service Water Health Report 3Q15	
ANO-2 AC Distribution Performance Monitoring Plan and Trending Data, 4Q15	
ANO-2 DC Distribution Performance Monitoring Plan and Trending Data, 4Q15	
ANO-2 Reactor Protection System Performance Monitoring Plan and Trending Data, 4Q15	
ANO-2 Emergency Feedwater Performance Monitoring Plan and Trending Data, 4Q15	
ANO-2 Service Water Performance Monitoring Plan and Trending Data, 4Q15	
ANO Communication Handbook	December 10, 2014
ANO Predictive Maintenance Component Watchlist	
Apparent Cause Evaluation CR-ANO-C-2014-1012, Collective Evaluation of 7 Risk-Significant Issues in 2013	April 15, 2014
Apparent Cause Evaluation CR-ANO-C-2015-4626, Training to Improve Effectiveness	January 26, 2016
ASLP-MMCT-PRSVL, Pressure Relief Valves	0

## MISCELLANEOUS DOCUMENTS

<u>Title</u>	<u>Revision/Date</u>
A2SPGLOR160101, EOL Rapid Shutdown Simulator Lesson	July 27, 2015
ASLP-GM-PMOWN, Maintenance PM Program Owner Training Module	0
ASVEN-SUPV-SAFCON; PowerPoint Presentation: Management Actions to Detect and Prevent Retaliation and Minimize Chilling Effect	January 2016
ANO People Health Committee Organizational Metrics and Risk Assessment for Nuclear Engineering	November 1, 2015
ANO People Health Committee Meeting Minutes	February 22, 2016
ANO Organizational Capacity Assessment Policy Guide	7
ANO Organizational Engagement (OR) Survey Analysis	August 25, 2015
ANO Organizational Engagement (OR) Survey Analysis	January 6, 2016
ANO People Health Committee Meeting Minutes	February 22, 2016
CARB Meeting Minutes	February 24, 2016
CRG Meeting Minutes	January 11, 2016
CRG Meeting Minutes	January 12, 2016
CRG Meeting Minutes	January 26, 2016
CRG Meeting Minutes	January 28, 2016
Comparative Gap Analysis of the ANO Vendor Oversight Fundamental Problem to CR-ANO-C-2014-02318 Stator Lift Assembly Collapse	0
Corporate vs. ANO Reconciliation of EN-PL-100 Implementation Topics and Question Meeting Summary	February 16-17, 2016
Conger-Elsea Arkansas Nuclear One (ANO) Station 95003 Inspection Readiness Assessment Report	December 4, 2015
Emergency Response Organization Staff Assignments	January 14, 2015
Emergency Response Organization Staff Assignments	February 4, 2016
Engineering Programs Snapshot Assessment – Entergy EN-DC-174-Engineering Program Section-ASME Code Section XI ISI Program	December 17, 2015
Engineering Programs Snapshot Assessment – Entergy EN-DC-174-Engineering Program Section XI Repair and Replacement (RR)	December 14, 2015
Containment Repair and Replacement Program	

**MISCELLANEOUS DOCUMENTS**

<u>Title</u>	<u>Revision/Date</u>
Engineering Programs Snapshot Assessment – Arkansas Nuclear One, Welding Program	December 11, 2015
Engineering Programs Snapshot Assessment – Arkansas Nuclear One Microbiologically Induced Corrosion Monitoring Program	December 9, 2015
Engineering Programs Snapshot Assessment – Arkansas Nuclear One Generic Letter (GL) 89-13 Service Water Program	December 15, 2015
ESEM-SUPC-SCWE; Safety Conscious Work Environment	0
ERWG Management of Preventative Maintenance on Non-Critical Components	0
FCBT-ADM-SCWE; Safety Conscious Work Environment	2
Force 431, Revision 3, Change in Technical Specifications End States (BAW-2441, Arkansas Nuclear One, Unit 1	March 26, 2013
FORM OPS-A26, Control of Room Checklist – RCS 200F	January 28, 2016
FORM OPS-B28, Control of Room Task Checklist and Miscellaneous Log	January 28, 2016
Historical Data Review Performance Area Report	0
Integrated Nuclear Safety Culture Assessment (INSCAR)	December 2015
IER L2 15-29 Weakness in Reactivity Control	
Indus Asset Suite (IAS Work Control Software Suite)	
Industry Guideline 2013-001, Equipment Reliability Working Group, Management of Preventive Maintenance on Non-Critical Components	0
Letter 2CAN031303, “License Amendment Request, Adoption of Technical Specification Task Force 422, Revision 2, ‘Change in Technical Specifications End States (CE NPSD-1186)’, Arkansas Nuclear One, Unit 2”	March 26, 2013
Letter 1CAN031306, “License Amendment Request, Adoption of Technical Specification Task Force 431, Revision 3, ‘Change in Technical Specifications End States (BAW-2441’, Arkansas Nuclear One, Unit 1”	March 26, 2013
Letter 1CAN031306, “License Amendment Request, Adoption of Technical Specification Task Force 431, Revision 3, ‘Change in Technical Specifications End States (BAW-2441’, Arkansas Nuclear One, Unit 1”	March 26, 2013
Letter 1CAN121302, “License Amendment Request, ‘Technical Specification Change to Extend the Type A Test Frequency to 15 Years,’ Arkansas Nuclear One, Unit 1”	December 20, 2013
List of Self-Assessments and Benchmarks	2016

## MISCELLANEOUS DOCUMENTS

<u>Title</u>	<u>Revision/Date</u>
Letter of Agreement between Entergy Operations, Inc. and Arkansas Department of Health	January 16, 2015
Leadership Team Discussion Conceptual Design	
LT – Apparent Cause Evaluation Report – Undocumented Control Circuitry Jumpers Found on SU3 VR	September 19, 2013
Mechanical Superintendent Bench Strength Planning Report	January 29, 2016
Model Change Requests List for ANO, Unit 1, Probabilistic Risk Analysis Model	January 28, 2016
Model Change Requests List for ANO, Unit 2, Probabilistic Risk Analysis Model	January 28, 2016
Management Program for License Renewal Implementation	0
NSC Observation Data Analysis for the Week	January 29, 2016
NRC Bulletin 2003-01, Potential Impact of Debris Blockage on Emergency Sump Recirculation at PWRs	
Nuclear Safety Culture Assessment, November 2014 Final Results Report, Synergy Consulting Services	March 1, 2015
Operations Shift Schedule	CY 2016
Operational Decision Making Issue; R1 Reactor Vessel Flange Inner O-ring Leakage	January 5, 2016
ODMI: Increasing Void Size Downstream of CV-1400 per PI-1400 Blowdowns	December 8, 2014
ODMI Precursor for CR-ANO-1-2015-4273	January 30, 2016
Operational Excellence, Arkansas Nuclear One Recovery Plan (from the Operations Website)	
Plant Health Problem Area	
Plant Health Committee Meeting Package	February 2, 2016
Plant Health Working Group Meeting Package	February 1, 2016
Plant Health Project Plan	1
Plant Health Committee Meeting Package	January 26, 2016
PM Basis Template – EN – Switchgear – Medium Voltage – 1kV to 7kV	September 25, 2008
Project Plan to Implement Standards Team During Refuel Outage 2R24	

## Miscellaneous Documents

<u>Title</u>	<u>Revision/Date</u>
Post-Event Simulator Testing: ANO-2 ASI Trip During 1-Hour Shutdown	April 27, 2014
Preventive Maintenance Optimization Software (PMOS PM Database)	
Post-Outage Reports for refueling outages 1R20 through 1R25 and 2R19 through 2R24	
Production Performance Review Meeting Report	January 29, 2016
Predictive Maintenance Watch List	
Performance Review Meeting Report ANO / Radiation Protection	January 2016
Performance Review Meeting Report ANO / Security	January 2016
PowerPoint Presentation, "Fleet Performance Evaluation RCE & Update"	
Repair Replacement Plan 2E-35A	September 30, 2015
Repair Replacement Plan 2E-35B	September 30, 2015
Repair Replacement Plan 2SW-25B	October 26, 2014
Radiation Protection Performance Review Meeting	January 2016
Recovery Team Phase 2 Indoctrination Briefing	
SARB Observation Sheet	February 2, 2016
SARB Meeting Agenda	February 2, 2016
Selected Condition Review Group (CRG) Meetings	January 27, 2016 / February 1, 2016 / February 2, 2016
Standing Order: Condition Reports Bypassing the Control Room with Potential Operability Impact	January 27, 2016
Sump Recirculation at PWRs	
SU3 Non-Segregated Bus – Insulation Test Data	October 10, 2015
Safety Culture Leadership Team Minutes	January 2014 - January 2016
System Health Report – Switchyard	Q3 – 2015
Task to Training Matrix, ANO Mechanical Maintenance	January 15, 2016
Task to Training Matrix, ANO Instrument and Controls Maintenance	February 22, 2016



**Miscellaneous Documents**

<u>Title</u>	<u>Revision/Date</u>
Technical Manual 01-1236437-00; Instructions Manual Unit 1 Reactor Vessel	5
TDI075 0260, Instruction Manual for Ingersoll-Rand High Pressure Safety Injection Pumps	
TRM 3.7.12, Unit 1, Fire Barriers	
TRM 3.7.5, Unit 2, Fire Barriers	
Third Party Nuclear Safety Culture Performance Assessment (TPSCPA)	May 1, 2015
T+1 Meeting Week Critique for January 25, 2016	February 4, 2016
T+1 Meeting Week Critique for February 1, 2016	February 12, 2016
T+1 Meeting Week Critique for February 8, 2016	February 19, 2016
T+1 Meeting Week Critique for January 18, 2016	January 28, 2016
Unit 2 Operations Manning & Active List	Q1 - 2016
Unit 1 Shift Relief Sheet (living document reviewed daily from 1/25/2016 through 2/5/2016)	
Unit 1 and Unit 2 Crane Deficiency Lists	January 25, 2016
Unit 1 Shift Relief Sheet (computer generated living document)	
Unit 2 Shift Relief Sheet (computer generated living document)	
Unit 1 Operations Manning & Active List	Q1 - 2016
Unmitigated SPV PMs from 2015 Project Excel Spreadsheet	
V-1007-00, Unit 1, High Pressure Injection MOV Data	2
Welding Material Requisition No. 05368	December 1, 2014
2015 Senior Leader Face to Face Meeting Matrix (Excel spreadsheet)	
2016 Corporate Oversight Plan ANO 95-003 Recovery, Interoffice Memo, "Interim Paired Observation Guideline,	0
2R25 Master Activities List for HPSI, LPSI, SDC, EFW, Spray, and SI	January 20, 2016
2X-03 4160V Hi-POT Test	October 10, 2015
2X-03 6900V HI-POT Test	October 10, 2015

**MISCELLANEOUS DOCUMENTS**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
ULD-1-SYS-12	ANO Unit 1 Emergency Feedwater System	8
ULD-1-TOP-20	ANO-1 Reactor Building Sump Qualification Basis	
SCEW A013, CV-1000, AZ-1000	System Component Evaluation Worksheet	10
EQDRS A013	EQ Data Record Summary Sheet	5
WT-WTANO-2013-325		
EQRA V33-003	Environmental Qualification Report Assessment	6
ULD-1-TOP-20	ANO-1 Reactor Building Sump Qualification Basis	
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 36	December 5, 2012
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 37	February 13, 2013
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 37 (Addendum)	January 20, 2016
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 38	December 17, 2013
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 38 (Addendum)	January 20, 2016
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 39	October 23, 2014
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 39 (Addendum)	January 20, 2016
Att. 9.2, EN-EP-305	10 CFR 50.54(q) Evaluation – ANO E-Plan Revision 40	December 15, 2015
8.Q.3-8.1	Limited Torque Type HBC, SB/SMB-0 and Type SMB-00 Valve Operator Maintenance	17
ASLP-EP-A0060	Training Material: Duty Emergency Planner	8
ASGATT-EM-DECISION MAKING	Training – Non-Conservative Decision Making, Operating Experience Responses and Assumptions, Lifted Leads, and PMT's	
CEO-99/00089	Switchyard and Transmission Interface Agreements	January 20, 2016
EC-61177	Qualification of the Unit 1 Circulating Water Lifting Tool	7
EC-26194	Intake Structure Spreader Lifting Beam Re-Rate	0
EC12402	Determination of Limiting ANO-2 Condensate Pump Pressure to Avoid Exceeding Allowable Flow	1
WPS-SS-8/8-B		

## MISCELLANEOUS DOCUMENTS

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
EC 61455, 2R24	Evaluate Leak from 2SI-13D for Boric Acid	February 13, 2013
ENS-PL-158	Switchyard and Transmission Interface Requirements	
FFAM-CAA-DPIC	Department Performance Improvement Coordinator (DPIC) Job Familiarization Guide	7
FFAM-OE-OECOORD	OE Coordinator / ICES Coordinator Job Familiarization Guide	0
FFAM-PI-CARB	CARB Member Job Familiarization Guide	0
FFAM-PI-RMCAP	Corrective Action Program Responsible Manager	0
FLP-CAA-TRENDANALYSIS	Trend Analysis Training	1
HDR-95003-001	ANO-Historical Data Review - HDR Performance Area Report	0
HDR-95003-002	ANO-Historical Data Review – HDR Assessment Area Report	0
ANO EN-LI-123-BA-FA-001	Focused Assessment Performance Area Report, “Problem Identification and Resolution”	May 11, 2015
OE-NOE-2013-000482		December 5, 2012
OE-NOE-2015-000123		January 20, 2016
OE-NOE-2015-00199		December 17, 2013
SIDP-1029	Inadequate Interrupting Capability of Switchyard 22kV Breakers	February 10, 2015
SIDP-7479	B0125 – Replace Bushings and Develop PSR for Breaker Replacement	June 3, 2015
SIPD-7388	Re-Design and Replace U2 SU2 and SU3 Non-Seg Bus	September 1, 2015
SIPD-7776	B0126 – 22kV Breaker Replacement in 2R26 (Fall 2018)	January 28, 2016
TDI075 0390	Electronic Only Installation Operation and Maintenance Manual for Unit II Condensate Pumps	0
ULD-2-SYS-16	Upper Level Document, ANO Unit 2, 4.16 kV System	October 23, 2014
0CNA129208	Conceptual Design for Station Blackout (SBO) Modification – ANO, Unites 1 and 2 (TAC NOS. M84338 and 84339)	
0CAN021401	Response to Request for Additional Information (RAI) Regarding Response to Bulletin 2012001, Design Vulnerability in Electric Power System ANO – Units 1 and 2 Docket Nos. 50-313 and 50-368 License Nos. DPR-51 and NPF-6	

## **MISCELLANEOUS DOCUMENTS**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
0CAN119507	Notification of Completion of Station Blackout Diesel Testing Commitments	
0CAN089203	Conceptual Design for Station Blackout Modification (TAC Nos. M68508 and M68509)	
1007914	EPRI Report, Lifting, Rigging, and Small Hoist Usage Guide	0
0CNA119310	Station Blackout (SBO) Commitment For A One-Time Confirmatory Load Test, ANO, Units 1 and 2 (Tac Nos. M85956 and M85957)	
1378-1 (Obsolete)	GE Technical Information Letter (Proprietary) – Improving Reliability of Medium Voltage Generator Auxiliary Equipment	December 12, 2002
1701 (Obsolete)	GE Technical Information Letter (Proprietary) – Improving Reliability of Medium Voltage Generator Auxiliary Equipment	December 12, 2002
1701-R1	GE Technical Information Letter (Proprietary) – Improving the Reliability of Medium and High Voltage Auxiliary Equipment	March 2, 2015

## **LEARNING ORGANIZATION**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
LO-ALO-2011-049	ANO Preventative Maintenance Program Focused Self-Assessment	February 3, 2012
LO-ALO-2014-001		
LO-ALO-2014-066	Snapshot Assessment Focusing Specifically on Reactivity Management	
LO-ALO-2014-094	Maintenance Services Supplemental Worker Oversight	December 9, 2015
LO-ALO-2015-001		
LO-ALO-2015-043	Pre-NRC Fire Protection Triennial Self-Assessment Plan	
LO-ALO-2015-059		
LO-ALO-2015-071	Entergy Nuclear Vendor Manuals and the Re-Contact Process	January 11, 2016
LO-ALO-2015-072	Entergy Nuclear Acceptance of Vendor Documents	January 10, 2016
LO-ALO-2015-107	10 CFR Part 37 Materials Security Review	January 8, 2016
LO-ALO-2014-072	Outage Readiness and OCC Effectiveness Snapshot Self-Assessment	January 10, 2016

## **LEARNING ORGANIZATION**

<u>Number</u>	<u>Title</u>	<u>Revision/Date</u>
LO-ALO-2015-073	Preventive Maintenance Component Classification Assessment	December 16, 2015
LO-ALO-2015-079	Single Point Vulnerability Process-Assessment	January 5, 2016
LO-ALO-2015-081	Margin Management Self-Assessment	January 5, 2016
LO-ALO-2015-084	Entergy Predictive Maintenance Program Assessment	January 7, 2016
LO-ALO-2015-090	Entergy ANO Protective System Maintenance Monitoring Program Assessment	December 15, 2015
LO-ALO-2015-115	Performance Analysis and Training Needs Analysis Snapshot Self-Assessment	
LO-ALO-2015-117	Ops Training Comprehensive Assessment Plan	
LO-ALO-2015-093	Motor Operated Valve Program Snapshot Assessment	November 18, 2015
LO-ALO-2015-098	Entergy Large Motor Program Assessment	January 8, 2016

## **DRAWINGS**

<u>Title</u>	<u>Revision/Date</u>
M-230 Sheet 1; Piping & Instrument Diagram – Reactor Coolant System	120
RC-201 Sheet 1; Small Pipe Isometric – Reactor Vessel R-1 Flange Gasket Leak-off Drain	6
RC-202 Sheet 1: Small Pipe Isometric – Reactor Vessel Flange Gasket Leak-off (Pressure Test Connection)	8
LW-263 Sheet 1; P-32A/B/C/D (seal) Overflow and Leakage Drains to RB Sump	4
M1B-223 Sheet 1; Upper (RV) Shell Assembly	1
M1B-400 Sheet 1; Specification Drawing for Replacement RVCH ANO-1	0
M1B-408 Sheet 1; ANO-1 Replacement RVCH – Final Machining of Sealing Surface, Gasket Grooves and Flange External Diameter	0
M1B-425 Sheet 1; ANO-1 Replacement RVCH – Final Machining of Stud Holes and o-ring Clip Location Grooves	0
M-213 Sheet 2; Piping & Instrument Diagram – Laundry Waste and Containment & Aux Building Sump Drainage	31
6600-M-2084 Piping Class Sheet	10
C-149 Reactor Building Reinforced Concrete Ground Floor EL. 357—0”	8
C-151 Reactor Building Reinforced Concrete Plans EL. 362’-0” to 376’-6”	2

## DRAWINGS

<u>Title</u>	<u>Revision/Date</u>
C-152 Reactor Building Reinforced Concrete Operating Floor EL. 401'-6"	7
C-155 Reactor Building Reinforced Concrete Wall Sections & Details – Sheet 2	8
C-161 Reactor Building Reinforced Concrete Plan EL. 396'-6" To EL. 406'-6"	4
C-174 Reactor Building Structural Steel Plan EL. 357'-0"	13
C-175 Reactor Building Structural Steel Plan EL. 373'-6" and 376'-6"	11
C-176 Reactor Building Structural Steel Plan EL. 401'-6"	10
C-177 Reactor Building Structural Steel Plan at EL. 424'-6	27
C-179 Reactor Building Structural Steel Miscellaneous Platforms	7
C-109 Reactor Building Liner Plate Typical Details	12
C-202, Unit 1, Auxiliary Building Plan Elevation 335'-0"	14
C-2113, Reactor Building Liner Plate Typical Wall Details	13
C-2148 Reactor Building Concrete Outline Plans at EL. 336'-6", EL. 357'-0" & EL.376'-6"	11
C-2151 Reactor Building Reinforced Concrete Plan EL. 357'-0"	6
C-2152 Reactor Building Reinforced Concrete Plan EL. 376'-6"	8
ANO-M-592, Containment Sump Strainer Specification	3
C-2167, Reactor Building Reinforced Concrete Miscellaneous Sections & Details, Sheet 1	8
C-2202, Auxiliary Building Plan Elevation 335'-0"	15
C-2612, Containment Building IWE Boundaries, Sheet 10	5
C-2612 Containment Building IWE Boundary Drawing, Sheet 19	0
C-2612 Containment Building IWE Boundary, Sheet 24	0
FB-160-1, Fire Barrier Penetration Computer Room, Sheet 1	1
FB-160-1, Fire Barrier Penetration Computer Room, Sheet 2	2
FB-2109, Fire Penetration MCC Room, Sheet 1	1
M-120, Plumbing and Draining Containment Building Area 25, Plan Elevation 336'-6"-337'-0", Sheet 3	N
M-213, Unit-1, Piping & Instrument Diagram-Laundry Waste and Containment & Aux. Building Sump Drainage, Sheet 2	31

## **DRAWINGS**

<u>Title</u>	<u>Revision/Date</u>
M-232, Unit-1, Piping & Instrument Diagram-Decay Heat Removal System, Sheet 1	106
M-592-1, Unit-1, RB Sump Strainer Final Design Strainer Layout	
M-592-5, Unit-1, Sump Strainer Cartridge 400/10 Pockets, Sheet 1	00
M-2206, Unit 2, Piping & Instrument Diagram-Steam Generator Secondary System, Sheet 1	152
M-2213, Unit 2, Piping & Instrument Diagram-Liquid Radioactive Waste System Reactor Building All Elevations, Sheet 8	11
M-2230, Unit 2, Piping & Instrument Diagram-Reactor Coolant System, Sheet 2	44
M-592, Containment Sump Strainer Specification	3

## **CALCULATIONS**

<u>Title</u>	<u>Revision/Date</u>
CALC-ANO1-ME-11000027, Review of the Wall Thinning Inspection Aging	
CALC 89-E-0137-01; Service Water Flow to the Emergency Feedwater System	3
CALC-1.1.1 RB Seismic Analysis for Containment BLDG and Internals	0
CALC-46 Reactor Bldg. Internals	0
CALC-ANO-SE-15-00001 – Single Point Vulnerabilities Project	0
CALC-47 Reactor Bldg. Internals	0
CALC-95-R-0024-01, Basic Requirement for the Component Data Base on Station Doors and Hatches	12
CALC-07-E-0019-01, Accountability of Unit 1 RB Sump Strainers Sacrificial Surface Area	2
CALC-ANO2-FP-09-00035, Fire Protection Engineering Evaluation for Penetration Seals in Fire Area GG	2
CALC-05-E-0005-01, Allowable Liner Plate Thickness	0
CALC-ANOC-CS-14-00005, PCI Promatec Product 12 Flood Sealant	0
CALC-ANO1-ME-11000027, Review of the Wall Thinning Inspection Aging	
CALC-89-E-0137-01; Service Water Flow to the Emergency Feedwater System	3
CALC-1.1.1 RB Seismic Analysis for Containment BLDG and Internals	0
CALC-46 and CALC-47 Reactor Bldg. Internals	0