UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, ILLINOIS 60532-4352

August 7, 2018

Mr. Charles Arnone
Vice President, Operations
Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043–9530

SUBJECT: PALISADES NUCLEAR PLANT—NRC INTEGRATED INSPECTION REPORT 05000255/2018002

Dear Mr. Arnone:

On June 30, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Palisades Nuclear Plant. On July 10, 2018, the NRC inspectors discussed the results of this inspection with yourself and other members of your staff. The results of this inspection are documented in the enclosed report.

Based on the results of this inspection, no findings of significance were identified.

This letter, its enclosure, and your response (if any) 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."

Sincerely,

/RA/

Eric R. Duncan, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 50–255; 72–007
License No. DPR–20

Enclosure:
Inspection Report 05000255/2018002

cc: Distribution via LISTSERV®

Letter to Charles Arnone from Eric Duncan dated August 7, 2018

SUBJECT: PALISADES NUCLEAR PLANT—NRC INTEGRATED INSPECTION REPORT 05000255/2018002

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No:	50–255
License No:	DPR–20
Report No:	05000255/2018002
Enterprise Identifier:	I–2018–002–0021
Licensee:	Entergy Nuclear Operations, Inc.
Facility:	Palisades Nuclear Plant
Location:	Covert, MI
Dates:	April 1 through June 30, 2018
Inspectors:	A. Nguyen, Senior Resident Inspector P. LaFlamme, Senior Resident Inspector J. Boettcher, Acting Senior Resident Inspector/ Resident Inspector B. Bartlett, Project Engineer M. Holmberg, Senior Reactor Inspector V. Myers, Senior Health Physicist K. Pusateri, Reactor Engineer D. Sargis, Reactor Engineer T. Taylor, Resident Inspector, D.C. Cook
Approved by:	E. Duncan, Chief Branch 3 Division of Reactor Projects

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring licensee's performance by conducting an integrated quarterly inspection at the Palisades Nuclear Plant 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.

List of Findings and Violations

No findings or violations were identified.

PLANT STATUS

The plant began the inspection period at rated thermal power, and remained at or near rated thermal power for the remainder of the inspection period.

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) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed plant status activities described in IMC 2515 Appendix D, "Plant Status," and conducted routine reviews using IP 71152, "Problem Identification and Resolution." 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.

REACTOR SAFETY

71111.01—Adverse Weather Protection

Summer Readiness (1 Sample)

The inspectors evaluated summer readiness of offsite and alternate alternating current (AC) power systems during the week of June 17, 2018.

External Flooding (1 Sample)

The inspectors evaluated the licensee's readiness to cope with external flooding during the week of April 25, 2018.

71111.04—Equipment Alignment

Partial Walkdown (3 Samples)

The inspectors evaluated system configurations during partial walkdowns of the following systems/trains:

(1) 1–1 Emergency Diesel Generator (EDG) during 1–2 EDG surveillance testing on April 16, 2018;
(2) Right Train Auxiliary Feedwater (AFW) during P–8B testing on May 16, 2018; and
(3) Left Train Containment Spray during P–54A testing on May 31, 2018.

71111.05AQ—Fire Protection Annual/Quarterly

Quarterly Inspection (4 Samples)

The inspectors evaluated fire protection program implementation in the following selected areas:

(1) Fire Area 1: Control Room/Elevation 625' & Fire Area 33: Technical Support Center/Elevation 625' on April 17, 2018;
(2) Fire Area 10: East Engineered Safeguards Room/Elevations 570' & 579' on April 30, 2018;
(3) Fire Area 13B: Charging Pump Rooms/Elevation 590' on June 28, 2018; and
(4) Fire Areas 11 & 12: Battery Rooms/Elevation 607'–6" on June 22, 2018.

71111.11—Licensed Operator Requalification Program and Licensed Operator Performance

Operator Requalification (1 Sample)

The inspectors observed and evaluated an evaluated simulator scenario on June 5, 2018.

71111.12—Maintenance Effectiveness

Routine Maintenance Effectiveness (1 Sample)

The inspectors evaluated the effectiveness of routine maintenance activities associated with the following equipment:

(1) Turbine building sump pumps.

71111.13—Maintenance Risk Assessments and Emergent Work Control (4 Samples)

The inspectors evaluated the risk assessments for the following planned and emergent work activities:

(1) QO–1, safety injection actuation system testing with fuel moves and excavation work on May 2, 2018;
(2) Emergent troubleshooting on right channel safety injection circuit on May 3, 2018;
(3) Evaluation of exposed P–8C AFW pump suction piping during P–8D AFW pump modification activities during the weeks of May 13, 2018 and May 20, 2018; and
(4) Emergent work associated with P–52C component cooling water (CCW) pump during risk significant work activities during the week of June 17, 2018.

71111.15—Operability Determinations and Functionality Assessments (2 Samples)

The inspectors evaluated the following operability determinations and functionality assessments:

(1) Evaluation of past operability performed for CR–PLP–2018–00005, Jacket Water Leakage on the Turbocharger of K–6A, 1–1 EDG dated January 2, 2018; and

(2) Operability evaluation performed for CR–PLP–2018–02217, Operator on Rounds Observed that the Auto Test Feature on the AFAS [Auxilary Feedwater Actuation System] Panels was Not Working Properly dated May 8, 2018.

71111.19—Post Maintenance Testing (4 Samples)

The inspectors evaluated the following post maintenance tests:

(1) Voltage checks after right channel safety injection circuit troubleshooting on May 3, 2018;
(2) Partial QO–5 after Breaker 52–137, CV–3007 High Pressure Safety Injection (HPSI) Train 1 to Loop 1A maintenance on May 15, 2018;
(3) CVCO–4 after P–55B charging pump maintenance on May 22, 2018; and
(4) RO–146 after P–52C CCW pump maintenance on June 21, 2018.

71111.22—Surveillance Testing

The inspectors evaluated the following surveillance tests:

Routine (2 Samples)

(1) RO–128–2, 1–2 EDG 24-hour load run during the week of April 15, 2018; and
(2) RO–97C, AFW automatic initiation test on April 25, 2018.

In-Service (1 Sample)

(1) RT–71M, Class 2 System Inservice Test for Safety Injection & Refueling Water Tank on May 30, 2018.

71114.06—Drill Evaluation

Emergency Planning Drill (2 Samples)

The inspectors evaluated the following Emergency Planning Drills:

(1) Emergency Response Organization Drill on April 11, 2018; and
(2) Emergency Response Organization Drill on June 6, 2018.

RADIATION SAFETY

71124.06—Radioactive Gaseous and Liquid Effluent Treatment

Walk Downs and Observations (1 Sample)

The inspectors evaluated the licensee's radioactive gaseous and liquid effluent treatment systems during plant walkdowns.

Calibration and Testing Program (Process and Effluent Monitors) (1 Sample)

The inspectors evaluated the licensee's gaseous and liquid effluent monitor instrument calibration and testing.

Sampling and Analyses (1 Sample)

The inspectors evaluated radioactive effluent sampling and analysis activities.

Dose Calculations (1 Sample)

The inspectors evaluated dose calculations.

71124.07—Radiological Environmental Monitoring Program

Site Inspection (1 Sample)

The inspectors evaluated the licensee's radiological environmental monitoring program.

Groundwater Protection Initiative Implementation (1 Sample)

The inspectors evaluated the licensee's groundwater monitoring program.

OTHER ACTIVITIES – BASELINE

71151—Performance Indicator Verification (2 Samples)

The inspectors verified the licensee performance indicators submittals listed below:

(1) IE03: Unplanned Power Changes Per 7000 Critical Hours – 1 Sample (April 1, 2017 – March 31, 2018); and
(2) MS05: Safety System Functional Failures (SSFFs) – 1 Sample (April 1, 2017 – March 31, 2018).

71152—Problem Identification and Resolution

Semiannual Trend Review (1 Sample)

The inspectors reviewed the licensee's corrective action program for trends that might be indicative of a more significant safety issue. The inspectors' review was focused on human performance issues, but also considered the results of daily inspector corrective action program (CAP) item screening and licensee trending efforts during the period from January 1, 2018 to June 30, 2018.

Annual Follow-Up of Selected Issues (1 Sample)

The inspectors reviewed the licensee's implementation of its CAP related to the following issue:

(1) CR–PLP–2018–00005, Jacket Water Leakage on the Turbocharger of K–6A, 1–1 EDG, initiated on January 2, 2018.

INSPECTION RESULTS

No findings or violations were identified.

71152—Problem Identification and Resolution

Observations: Semi-Annual Trend Review	71152
The inspectors' review was focused on human performance issues, but also considered the results of daily inspector CAP item screening and licensee trending efforts. The inspectors' review nominally considered the 6 month period of January 2018 through June 2018, although some examples expanded beyond those dates when warranted by the scope of the trend. The inspectors reviewed condition reports, trend reports, and human performance evaluations to address performance and oversight gaps at the site. During the inspection period, the NRC inspectors noted instances where low level human performance errors occurred in multiple departments, including Operations, Maintenance, and Projects. Examples include a component mispositioning event, a maintenance activity where an incorrect fuse was pulled, an excavation activity that resulted in damage to a 480 volt cable, and two maintenance activities where electrical wiring removed during maintenance was not correctly re-landed following the work. These issues illustrated a decline in the use of human performance tools to prevent errors while performing work in the field and signs of complacency; all of which could potentially impact nuclear safety. The licensee appropriately entered these issues into the CAP and completed timely evaluations of these issues to determine the causes of the performance decline. Corrective actions included training and a re-emphasis on following human performance tools: pre-job briefs; procedure use and adherence; and verification and validation activities. Additionally, the licensee increased the oversight and observation of field activities, and all maintenance and operations personnel were required to complete a dynamic learning exercise focused on verification activities. At the end of this inspection period, some corrective actions were still open and the effectiveness of the actions taken were still being assessed. However, the inspectors determined that the corrective actions taken to date appeared to be effective at addressing the identified gaps. The inspectors planned to continue to evaluate these actions during routine observations and inspections.	

Observations: CR–PLP–2018–00005, Jacket Water Leakage on the Turbocharger of K–6A, 1–1 Emergency Diesel Generator	71152
On January 2, 2018, during the MO–7A–1 monthly surveillance test of the 1–1 Emergency Diesel Generator (EDG), a previously identified jacket water leak on the turbocharger of the 1–1 EDG increased, and caused operators to abort the test. The 1–1 EDG was shut down and declared inoperable. Troubleshooting identified a failure of a gasket beneath the faceplate fasteners on the turbocharger. The gasket was replaced and the 1–1 EDG was subsequently declared operable on January 2, 2018. The inspectors selected this issue based upon the potential risk significance associated with the length of time the failed/degraded turbocharger jacket water gasket was in service. For this issue, the inspectors reviewed the licensee's equipment failure evaluation and cause determination, corrective actions, extent of condition reviews, common cause evaluations, generic implications, and previous occurrences. Additionally, the inspectors reviewed the licensee's operability and reportability evaluation and disposition.	

The inspectors reviewed the licensee's equipment failure evaluation to ensure that the causes of the equipment failure were identified and appropriate corrective actions were assigned based on the safety significance of the issue. The cause of the issue was determined to most likely be a result of cracking of the gasket. The inspectors determined that the corrective actions taken were appropriate.

The inspectors also reviewed the licensee's extent of condition evaluation, generic implications, and previous occurrences. It was noted that the licensee initially identified this leak in October 2016 and entered it into the CAP. At that time, the leak self-sealed upon warmup of the 1–1 EDG and it was determined that the leak was minor and did not impact operability. Additionally, the inspectors noted that a leak was identified and corrected in the same area on the turbocharger in 2014. Previous maintenance records and the associated impact of maintenance were reviewed and discussed for this issue. The inspectors determined the extent of condition evaluation was appropriate for the circumstances.

The inspectors concluded this issue was documented in a timely manner within the CAP and that the immediate operability determination was adequate as written. The licensee also completed a past operability evaluation of the 1–1 EDG. The inspectors questioned some of the assumptions made in the evaluation, which resulted in the licensee revising and clarifying the assumptions. However, these changes did not impact the overall results of the evaluation.

EXIT MEETINGS AND DEBRIEFS

The inspectors confirmed that proprietary information was controlled to protect it from public disclosure. No proprietary information was documented in this report.

- On July 10, 2018, the inspectors presented the quarterly integrated inspection results to Mr. C. Arnone, Site Vice President, and other members of the licensee staff.
- On June 7, 2018, the inspectors presented the radiation protection program inspection results to Mr. C. Arnone, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

71111.01—Adverse Weather Protection

- Admin 4.02; Control of Equipment; Revision 80
- AOP-38; Acts of Nature; Revision 14
- CR-PLP-2017-03457; Nuclear Plant Operator Repositioned Valve MV-FP338 Without Comparing the Valve Label Nomenclature to the Operating Procedure Step Nomenclature; 07/20/2017
- CR-PLP-2017-04195; Generate a Work Order to Recoat and Caulk the Base of EX-05 (Startup Transformer 1-3); 09/12/2017
- CR-PLP-2017-05257; Nuclear Plant Operator Found a Piece of Balloon Material Stuck to the Cooler Fins; 11/15/2017
- CR-PLP-2017-05659; Piece of Aluminum Siding Found just East of the Main Transformer; 12/12/2017
- CR-PLP-2017-05679; Found SE Hatch Cover for the Catacombs Open; 12/13/2017
- CR-PLP-2018-00816; Muffin Fan in EC-112 Making a Loud Squealing Sound and Vibrating Door to Panel; 02/15/2018
- CR-PLP-2018-02167; Received Alarm EK-0333; 05/05/2018
- CR-PLP-2018-02942; Loose Items in the Switchyard; 06/20/2018

- CR-PLP-2018-02944; Some Stations in the Switchyard Have Places Where the Bolts are Not Protruding Past the Nut; 06/20/2018
- EN-WM-104; On Line Risk Assessment; Revision 16
- SOP-30; Station Power; Revision 87
- SOP-8; Main Turbine and Generating Systems; Revision 107
- WO 52753629; Warm Weather Checklist – WCC

71111.04—Equipment Alignment
- M-201; Piping & Instrument Diagram; Safety Injection, Containment Spray, and Shutdown Cooling System; Sheet 2; Revision 28
- M-204; Piping & Instrument Diagram; Safety Injection and Containment Spray; Sheet 18; Revision 41
- M-204; Piping & Instrument Diagram; Safety Injection and Shutdown Cooling System; Sheet 1; Revision 88
- M-207; Piping & Instrument Diagram; Auxiliary Feedwater System; Sheet 2; Revision 42
- SOP-12; Feedwater System; Revision 78
- SOP-3; Safety Injection and Shutdown Cooling System; Revision 105

71111.05—Fire Protection
- CR-PLP-2018-01876; NRC Resident Questioned In-Situ Items Stored in the Closet in the Technical Support Center; 04/18/2018
- DBD-7.10; Design Basis Document for NFPA 805 Fire Protection Program; Revision 2
- EA-FPP-03-001; Analysis of Combustible Loading at Palisades Nuclear Plant; Revision 3
- EN-DC-161; Control of Combustibles; Revision 17
- Pre Fire Plan 1; Room 325 & Various Rooms; Control Room; Elevation 625’
- Pre Fire Plan 10; Rooms 001, 001A, 001B, 003, & 004; East Engineered Safeguards Room; Elevations 570’ & 579’`
- Pre Fire Plan 33; Room 320 A, Technical Support Center; Elevation 625’
- Pre-Fire Plan 11 & 12; Room 225 & 225A; Battery Rooms; Elevation 607’ -6”
- Pre-Fire Plan 13B; Rooms 100, 104, 104A, 104B, & 117; Charging Pump Rooms; Elevation 590’

71111.11—Licensed Operator Requalification Program
- Simulator Exam Scenario SES-243; Revision 1

71111.12—Maintenance Effectiveness
- CR-PLP-2017-03412; Maintenance Rule (a)(1) Action Plan Turbine Building Sump Pumps; 08/24/17
- CR-PLP-2017-04984; MRFF and Performance Criteria Exceeded; 10/31/17
- CR-PLP-2017-04994; FME Identified in Pit; 11/01/17
- CR-PLP-2018-00080; Breaker 52-453 Found Tripped on Thermal; 01/04/18
- CR-PLP-2018-00081; Level Switch for Turbine Building Sump Pump Trouble; 01/04/18
- CR-PLP-2018-00242; MRFF for the January 1, 2018 Failure of the Turbine Building Sump Pumps; 01/12/18
- CR-PLP-2018-00261; Both Turbine Building Sump Pumps Tripped on Thermals; 01/13/18
- CR-PLP-2018-00411; MRFF for the January 13, 2018 Failure of the Turbine Building Sump Pumps; 01/23/18
- CR-PLP-2018-00905; MRFF for the February 11, 2018 Failure of the Turbine Building Sump Pumps; 02/21/18
- CR-PLP-2018-01603; Both Turbine Building Sump Pumps Tripped Free; 03/30/18

- CR-PLP-2018-01839; Ninth Functional Failure in 24 Months of the Turbine Building Sump Pumps; 04/16/18
- CR-PLP-2018-02341; Turbine Building Sump Pump P-45A Damaged; 05/15/18
- CR-PLP-2018-02342; High Running Amps on Breaker 52-137; 05/15/18
- CR-PLP-2018-02925; MRFF Turbine Building Sump Pumps; 06/19/18
- System Health Report Liquid Radwaste System K-90.62; 4th Quarter 2017

71111.13—Maintenance Risk Assessments and Emergent Work Control
- Admin 4.02; Control of Equipment; Revision 80
- EC-58765; Auxiliary Feedwater Pump P-8D Skid and Shed Foundation and Buried Pipe Installation; Revision 0
- EC-77606; Evaluation of Unburied/Exposed P-8C Suction Piping; Revision 0
- EN-WM-104; On Line Risk Assessment; Revision 16
- Operations Log; Various Dates
- Operator's Risk Report; Various Dates
- Review Schedule for Work Week 1825; June 18, 2018

71111.15—Operability Evaluations and Functionality Assessments
- AOP-11; Loss of 480V Buses; Revision 1
- AOP-20; EDG 1-1 Malfunctions; Revision 2
- AOP-8; Loss of Bus 1C; Revision 1
- ARP-20A; Diesel Generator 1-1 Scheme EK-20; Revision 8
- CR-PLP-2018-00005; Jacket Water Leakage on the Turbocharger of K-6A, 1-1 Emergency Diesel Generator; 01/02/2018
- CR-PLP-2018-00984; Past Operability Evaluation Performed Under CA #1 of CR-PLP-2018-00005 Should be Revised; 02/26/2018
- CR-PLP-2018-02217; Operator on Rounds Observed that the Auto Test Feature on the AFAS Panels was Not Working Properly; 05/08/2018
- EOP-3.0; Station Blackout Recovery; Revision 18
- QI-39; Auxiliary Feedwater Actuation System Logic Test; Revision 9
- SOP-22; Emergency Diesel Generators; Revision 75

71111.19—Post-Maintenance Testing
- CR-PLP-2018-02146; Link was Broken During Restoration from the Work; 05/03/2018
- CR-PLP-2018-02476; Found Cracks on the Exocentric Shaft Webbing on P-55B; 05/22/2018
- CR-PLP-2018-02989; A Mathematical Error was Made in the Prep Task for P-55B Charging Pump; 06/21/2018
- CR-PLP-2018-02990; Measurements Were Never Recorded; 06/21/2018
- CVCO-4; Periodic Test Procedure – Charging Pumps; Revision 11
- EC 77905; Charging Pump P-55B Eccentric Shaft Weld Cracks; Revision 0
- RO-146; Comprehensive Pump Test Procedure – Component Cooling Water Pumps P-52A, P-52B and P-52C; Revision 12
- SPS-E-11; 480 Volt Breaker Inspection and Repair; Revision 28
- VEN-M201; Sheet 43; Sub-Panel for Vertical Section (C13-5); Revision 67
- WO 454823; P-52C, Inspect and Repair Pump
- WO 459219; P-55B, 'B' Charging Pump 18 Month Maintenance
- WO 501028; SIAS Activated Red Light – Right Channel did Not Light – QO-1
- WO 52739433-03; PM 480 Volt Breaker 52-137 (MO-3007)
- WO 52799427; RO-146C – P-52C, Inservice Test Component Cooling Water Pump Comprehensive
- WO 52813776; P-55B (T-106B) Discharge Accumulator Post Maintenance

71111.22—Surveillance Testing
- CR-PLP-2018-02596; NRC Identified Boric Acid Accumulation on MV-ES3204; 05/30/2018
- CR-PLP-2018-02597; NRC Resident Noticed Boric Acid Deposit Directly Under CV-3001; 05/30/2018
- CR-PLP-2018-02602; Dry Boric Acid on the Thermowell for TCV-1575 Sensing Bulb; 05/30/2018
- CR-PLP-2018-02608; Dry, White Boric Acid Below MV-ES502; 05/30/2018
- RO-97 Basis; Auxiliary Feedwater System Automatic Initiation Test Procedure; Revision 8
- RO-97; Auxiliary Feedwater System Automatic Initiation Test Procedure; Revision 23
- RT-71M; Class 2 System Inservice Test for Safety Injection and Refueling Water Tank; Revision 11
- SEP-PT-PLP-001; Inservice Inspection Pressure Testing Program; Revision 4
- WO 52731710; RT-71M-Class 2 Test for Safety Injection & Refueling Water Tank
- WO 52740809; RO-97C, Auxiliary Feedwater System Automatic Initiation Test

71114.06—Emergency Planning Drill or Training Evolution
- AOP-38; Acts of Nature; Revision 14
- CR-PLP-2018-01790; NIOS Identified a Drill Participant Used the Wrong Revision of EI-7.0; 04/12/2018
- Dress Rehearsal Exercise Scenario Package; 04/11/2018
- EAL Basis; Emergency Action Level Technical Bases; Revision 7
- Exercise Scenario Package; 06/06/2018
- SEP; Site Emergency Plan; Revision 30

71124.06—Radioactive Gaseous and Liquid Effluent Treatment
- CH 6.23; Waste Gas Decay Tank Release; Revision 13
- CR-PLP-2017-02744; Batch Card LRW-060118 - Groundwater Collected from NFPA-805 Excavation - Performed Without Tank Recirculation; 06/06/2018
- CR-PLP-2017-05148; RETS Basis Document Not In Alignment with ODCM Methodology; 11/08/2017
- CR-PLP-2018-02709; Groundwater Collected from NFPA-805 Excavation Leaked From Container and Recollected; 06/05/2018
- CR-PLP-2018-02740; Most Conservative Parameters for Batch Card WG-120517 2b Not Selected; 06/06/2018
- CR-PLP-2018-02741; Incorrect Post-Sample Pressure Recorded on Batch Card WG-120517 2b; 06/06/2018
- DWR-10; Stack Effluent Sampling and Calculations; Revision 56
- LRW-062217; T-87A/B Release Authorization; 6/22/2017
- Offsite Dose Calculation Manual; Revision 29
- WG-120517-2B; WGDT Release Authorization for T-68B; 12/09/2017
- WO 00421566; RR-84D-Rad Gaseous Effluent Sample Flow Rate Calculation
- WO 52683303; RR-9B – Radwaste Discharge Monitor RIA-1049 Calibration
- WO 52701570; RT-85C – SFP Ventilation HEPA & Charcoal Testing
- WO 52745700; RR-9I – Waste Gas Discharge Monitor RIA-1113 Calibration

71124.07—Radiological Environmental Monitoring Program
- 2016 Radiological Environmental Operating Report; 05/10/2017
- 2017 Radiological Environmental Operating Report; 05/10/2018
- Chemistry Operating Procedure Basis Document for COP-35; Revision 3
- CR-PLP-2017-03335; LLD Requirements for Radiological Storage Areas Not Included in ODCM; 07-13/2017

- CR-PLP-2018-01410; Some Environmental Lower Limit of Detection Values Implemented by the Vendor Did Not Match the Environmental Lower Limit of Detection Values Listed in the ODCM; 03/23/2018
- LO-PLPLO-2018-00012; 2018 Pre-NRC inspection 71124.07 “Radiological Environmental Monitoring Program” Self-Assessment
- Offsite Dose Calculation Manual; Revision 29
- Procedure No CH 6.10; Radiological Environmental Monitoring Program; Revision 22
- Procedure No COP-35; Ground Water Monitoring Program; Revision 8
- REMP Air Station Flowmeter Calibration Record; Meter Number 03036141; 01/08/2018
- REMP Air Station Flowmeter Calibration Record; Meter Number 03039506; 08/16/2016
- REMP Air Station Flowmeter Calibration Record; Meter Number 15E147599; 06/01/2017
- REMP Air Station Flowmeter Calibration Record; Meter Number 1642; 11/09/2016
- REMP Air Station Flowmeter Calibration Record; Meter Number PAL-1; 12/05/2016
- REMP Air Station Flowmeter Calibration Record; Meter Number PAL-2; 08/30/2016
- Work Order 52697622 01; Annual Visit Of Calibration of REMP Flow Meters

71151—Performance Indicator Verification
- NEI 99-02; Regulatory Assessment Performance Indicator Guideline; Revision 7
- NRC Performance Indicator Technique/Data Sheet; Safety System Unavailability/Safety System Functional Failures (MS05); April 2017 through March 2018
- NRC Performance Indicator Technique/Data Sheet; Unplanned Power Changes Per 7000 Critical Hours (IE03); April 2017 through March 2018
- PNP 2017-043; Letter from C. Arnone; Reactor Protection System Actuation While the Reactor was Shutdown: 07/17/2017

71152—Identification and Resolution of Problems
- Certificate of Conformance; Turbocharger Part 22602186REP; 10/02/2012
- Certificate of Conformance; Entergy/Palisades Power P.O. 10319418; Revision 2
- CR-PLP-2014-04831; Observed Water Leak of Approximately 20 Drops Per Minute from the East Flange on the Turbo of the K-6A 1-1 Emergency Diesel Generator; 10/06/2014
- CR-PLP-2016-04723; Operators Noticed a Leak on the East Face Plate of the Turbo Charger Cooler on K-6A Emergency Diesel Generator 1-1; 10/04/2016
- CR-PLP-2016-05316; During MO-7A-1, 35 Drops Per Minute Jacket Water Leak was Noted on K-6A; 11/07/2016
- CR-PLP-2017-03722; During Performance of MO-7A-1, Operators Noted a Jacket Water Leak from 1-1 Emergency Diesel Generator Turbocharger Casing; 08/08/2017
- CR-PLP-2018-00005; Jacket Water Leakage on the Turbocharger of K-6A Emergency Diesel Generator 1-1; 01/02/2018
- CR-PLP-2018-00232; LIC-0101A was Found in Cascade and Not in Service; 01/11/2018
- CR-PLP-2018-00570; I&C Technicians Inadvertently Pulled the Incorrect Fuse; 02/01/2018
- CR-PLP-2018-00573; Error in the Current Occurrence of the PM; 02/01/2018
- CR-PLP-2018-00984; Past Operability Evaluation Performed Under CA #1 of CR-PLP-2018-00005 Should be Revised to More Accurately Reflect Actual Plant Conditions; 02/26/2018
- CR-PLP-2018-01930; Motor Leads for VC-10 (Control Room HVAC Refrigeration Condensing Unit) Mis-Wired; 04/20/2018
- CR-PLP-2018-02143; Wire Not Landed on the Maintained Safety Injection Initiation Relay Circuit; 05/03/2018
- CR-PLP-2018-02806; Energized 480V Cable Damaged During Performance of Trenching and Shoring Activities; 06/11/2018
- EN-LI-102; Corrective Action Program; Revision 32
- EN-LI-108; Event Notification and Reporting; Revision 15

- EN-MA-121; Fluid Leak Prevention and Management Program; Revision 7
- EN-MA-145; Maintenance Standard for Torque Applications; Revision 9
- EN-MS-S-040-L; Fastener Preload; Revision 0
- EN-WM-100; Work Request (WR) Generation, Screening and Classification; Revision 13
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- WO 449911; K-6A, Leak on East Face Plate of Turbo Charger Cooler