



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

May 12, 2020

Mr. Darrell Corbin
Vice President, Operations
Entergy Nuclear Operations, Inc.
Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043-9530

SUBJECT: PALISADES NUCLEAR PLANT – INTEGRATED INSPECTION REPORT
05000255/2020001

Dear Mr. Corbin:

On March 31, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Palisades Nuclear Plant. On April 14, 2020, the NRC inspectors discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

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 Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Billy C. Dickson, Jr., Chief
Branch 2
Division of Reactor Projects

Docket No. 05000255
License No. DPR-20

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Darrell Corbin from Billy Dickson, Jr., dated May 12, 2020.

SUBJECT: PALISADES NUCLEAR PLANT – INTEGRATED INSPECTION REPORT
05000255/2020001

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000255

License Number: DPR-20

Report Number: 05000255/2020001

Enterprise Identifier: I-2020-001-0032

Licensee: Entergy Nuclear Operations, Inc.

Facility: Palisades Nuclear Plant

Location: Covert, MI

Inspection Dates: January 01, 2020 to March 31, 2020

Inspectors: R. Baker, Senior Operations Engineer
B. Bergeon, Operations Engineer
A. Childs, Reactor Engineer
P. Laflamme, Senior Resident Inspector
J. Mancuso, Resident Inspector
T. Ospino, Reactor Engineer
J. Winslow, Reactor Systems Engineer

Approved By: Billy C. Dickson, Jr., Chief
Branch 2
Division of Reactor Projects

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at 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 of more than minor significance were identified.

Additional Tracking Items

None.

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/readingrm/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." From January 1 – March 19, 2020, 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), resident inspectors were directed to begin telework and to remotely access licensee information using available technology. During this time the resident inspectors performed periodic site visits each week and during that time conducted plant status activities as described in IMC 2515, Appendix D; and observed risk significant activities when warranted. In addition, resident and regional baseline inspections were evaluated to determine if all or portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In the cases where it was determined the objectives and requirements could not be performed remotely, management elected to postpone and reschedule the inspection to a later date.

REACTOR SAFETY

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (3 Samples)

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

- (1) 1-2 Emergency Diesel Generator (EDG) starting air system on January 27, 2020
- (2) Station Battery Number 2 system on March 16, 2020
- (3) 7A Service Water system on March 18, 2020

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the implementation of the fire protection program by conducting a walkdown and performing a review to verify program compliance, equipment functionality, material condition, and operational readiness of the following fire areas:

- (1) Fire Area 13A: Auxiliary Building main corridor, 590' elevation on January 6, 2020
- (2) Fire Area 9: Screen House/Intake Structure during P-7A support intallation on January 14, 2020
- (3) Fire Area 28: West Engineered Safeguards Room; 570' elevation on January 15, 2020
- (4) Fire Area 10: East Engineered Safeguards Room on March 12, 2020

71111.11A - Licensed Operator Regualification Program and Licensed Operator Performance

Regualification Examination Results (IP Section 03.03) (1 Sample)

- (1) The inspectors reviewed and evaluated the licensed operator examination failure rates for the requalification annual operating exam administered from January 8, 2020 through February 6, 2020.

71111.11B - Licensed Operator Regualification Program and Licensed Operator Performance

Licensed Operator Regualification Program (IP Section 03.04) (1 Sample)

- (1) Biennial Regualification Written Examinations

The inspectors evaluated the quality of the licensed operator biennial requalification written examinations administered between February 15, 2019 and March 22, 2019.

Annual Regualification Operating Tests

The inspectors evaluated the adequacy of the facility licensee's annual requalification operating test.

Administration of an Annual Regualification Operating Test

The inspectors evaluated the effectiveness of the facility licensee in administering requalification operating tests required by 10 CFR 55.59(a)(2) and that the facility licensee is effectively evaluating their licensed operators for mastery of training objectives.

Regualification Examination Security

The inspectors evaluated the ability of the facility licensee to safeguard examination material, such that the examination is not compromised.

Remedial Training and Re-examinations

The inspectors evaluated the effectiveness of remedial training conducted by the licensee and reviewed the adequacy of re-examinations for licensed operators who did not pass a required requalification examination.

Operator License Conditions

The inspectors evaluated the licensee's program for ensuring that licensed operators meet the conditions of their licenses.

Control Room Simulator

The inspectors evaluated the adequacy of the facility licensee's control room simulator in modeling the actual plant, and for meeting the requirements contained in 10 CFR 55.46.

Problem Identification and Resolution

The inspectors evaluated the licensee's ability to identify and resolve problems associated with licensed operator performance.

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

- (1) The inspectors observed and evaluated licensed operator performance in the Control Room during letdown isolation and restoration activities during relief valve replacement inside containment on March 10, 2020

Licensed Operator Requalification Training/Examinations (IP Section 03.02) (1 Sample)

- (1) The inspectors observed and evaluated PLSEG-LOR-19G-03 on March 12, 2020

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (2 Samples)

The inspectors evaluated the effectiveness of maintenance to ensure the following structures, systems, and components (SSCs) remain capable of performing their intended function:

- (1) Turbine building sump system on March 16, 2020
- (2) Neutron monitoring system on March 30, 2020

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (6 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) Risk associated with installing support brackets on P-7A, service water pump and repack of P-7B, service water pump during the week of January 13, 2020
- (2) Elevated risk for planned maintenance on component cooling water pump P-52B on January 27, 2020
- (3) Risk associated with emergent repair activities on CV-944A, Component Cooling Water (CCW) to Spent Fuel Pool (SFP) cooling, air operated valve on February 18, 2020
- (4) Risk associated with unexpected letdown system isolation on February 25, 2020
- (5) Elevated risk for unanticipated loss of one source of offsite power on March 2, 2020
- (6) Elevated risk for shutdown cooling system maintenance, letdown safety valve replacement, and safety injection system testing on March 2, 2020

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (4 Samples)

The inspectors evaluated the licensee's justifications and actions associated with the following operability determinations and functionality assessments:

- (1) ED-02 Station Battery Number 2 Operability Evaluation as documented in CR-PLP-2020-00253 on February 13, 2020
- (2) CCW Operability Evaluation on February 21, 2020
- (3) Containment Spray System Operability Evaluation on March 4, 2020
- (4) Right Train Service Water System Operability Evaluation on March 23, 2020

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (1 Sample)

The inspectors evaluated the following temporary or permanent modifications:

- (1) Engineering Change: P-7A Service Water Pump Column Brace Bracket Replacement Modification on February 19, 2020

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (7 Samples)

The inspectors evaluated the following post maintenance test activities to verify system operability and functionality:

- (1) P-8A Auxiliary Feedwater (AFW) breaker test and pump start following planned maintenance on January 6, 2020
- (2) 1-1 EDG turbo charger support non-destructive testing following planned maintenance on January 8, 2020
- (3) QO-14, Inservice Test Procedure - service water pumps after repack of P-7B service water pump on January 15, 2020
- (4) P-7A service water pump testing following seismic support installation on January 21, 2020
- (5) NI-8 Power Range Safety Channel test following linear amplifier card replacement on January 22, 2020
- (6) 1-1 EDG load reject testing following governor replacement on February 6, 2020
- (7) VT-2 inspection following letdown safety relief valve replacement on March 11, 2020

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

Surveillance Tests (other) (IP Section 03.01) (2 Samples)

- (1) Containment Spray System Pump P-54 Quarterly Surveillance Test on February 10, 2020
- (2) Safety Injection System Right Train Test on March 11, 2020

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) AFW P-8C Quarterly Inservice Test (IST) Surveillance Test on January 30, 2020

RCS Leakage Detection Testing (IP Section 03.01) (1 Sample)

- (1) Primary Coolant System Leak Rate Surveillance Test on January 22, 2020

71114.06 - Drill Evaluation

Drill/Training Evolution Observation (IP Section 03.02) (1 Sample)

The inspectors evaluated:

- (1) An Emergency Preparedness drill on February 19, 2020

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

IE01: Unplanned Scrams per 7000 Critical Hours Sample (IP Section 02.01) (1 Sample)

- (1) Unit 1 (January 1, 2019 - December 31, 2019)

IE04: Unplanned Scrams with Complications (USwC) Sample (IP Section 02.03) (1 Sample)

- (1) Unit 1 (January 1, 2019 - December 31, 2019)

MS08: Heat Removal Systems (IP Section 02.07) (1 Sample)

- (1) Unit 1 (January 1, 2019 - December 31, 2019)

71152 - Problem Identification and Resolution

Annual Follow-up of Selected Issues (IP Section 02.03) (1 Sample)

The inspectors reviewed the licensee's implementation of its corrective action program related to the following issues:

- (1) Elevated Unidentified Primary Coolant System (PCS) Leakage Condition Evaluation as documented in CR-PLP-2019-5037 during the week of February 24, 2020

INSPECTION RESULTS

Observation: PCS Unidentified Leakage Evaluation	71152
<p>The inspectors reviewed the events, circumstances, and causal evaluation associated with elevated Primary Coolant System (PCS) unidentified leakage rates that occurred in December of 2019, and January and February of 2020. Their efforts included assessing the licensee's Emergent Issues Team (EIT) level 3 troubleshooting, trending, and aggregate review activities. Additionally, the inspectors reviewed leakage trends, equipment condition assessments for the letdown system, Primary Coolant Pump (PCP) seal leak-off system, and control rod drive mechanism leakage collection manifold, monthly containment tour results, and containment sump level monitoring. The inspectors also interviewed operators, maintenance workers, and engineering personnel to complete their assessment efforts. In their review, the inspectors noted that most of the elevated unidentified leakage was accounted for by known leakage from the PCP seal leak off system (hard piped) to Primary System Drain Tank (in containment) and the letdown system to Vacuum Degassifier Tank (in auxiliary building) via the VCT divergent valve bypass (3-way flow valve). Since the above sources cannot be quantitatively measured individually on a routine basis, the collective measurements must administratively be quantified as unidentified combined leakage as required by station procedures. As a corrective action, the licensee performed adjustments on the VCT divergent valve and adjusted VCT system pressure to reduce flow across the divergent valve, which resulted in lowering unidentified leakage to normal and expected levels. Therefore, since the licensee confirmed the sources of elevated leakage in both measure and location, and associated</p>	

corrective actions addressed the condition, the inspectors concluded the licensee actions taken were timely and effective commensurate with safety significance.
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EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On April 14, 2020, the inspectors presented the integrated inspection results to Mr. D. Corbin, Vice President Operations, and other members of the licensee staff.
- On January 24, 2020, the inspectors presented the licensed operator requalification program biennial inspection results to Mr. D. Lucy, General Manager Plant Operations, and other members of the licensee staff.
- On February 25, 2020, the inspectors presented the licensed operator requalification program annual operating test results, inspection results to Mr. D. Karnes, Operations Training Instructor, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Corrective Action Documents	CR-PLP-2020-00188	Threads for One 151-213 Alarm Relay Retention Screw and Clip Found Stripped	01/21/2020
		CR-PLP-2020-00214	Small Air Leak Coming from Diaphragm on PVC-1490, EDG 1-2 K-6B Starting Air Pressure Control	01/23/2020
		CR-PLP-2020-00219	Flexible Conduit Separated from Junction Box in the Overhead in Emergency Diesel Generator 1-2 Room	01/23/2020
		CR-PLP-2020-00239	Air Leak Between the Bonnet and Body of PCV-1490, K-6B Starting Air	01/25/2020
		CR-PLP-2020-00248	Two Pressure Control Valves for PCV-1490 did not Regulate Output Pressure as Designed	01/27/2020
		CR-PLP-2020-00297	Bus 1D Relay Testing (Cubicle 152-208) Y-Phase Relay for P-52B Protection Found to have High Dropout Moving Contact Cutting into Resting Shelf	01/30/2020
		CR-PLP-2020-00301	Valve Seat Threaded into Valve Body not Securely Attached on PCV-1490, EDG 1-2 Air Start Pressure	01/30/2020
		CR-PLP-2020-00899	P-7A Service Water Pump Packing Leak	03/19/2020
		CR-PLP-2020-00904	Repack Service Water Pump P-7C	03/19/2020
		DR-PLP-2020-00501	During Testing, Floor Drain in the Auxiliary Feedwater Room was Very Slow to Drain Causing Back Up Around the P-8A and P-8B Auxiliary Feedwater Pumps.	02/15/2020
	Procedures	DBD-1.03	Auxiliary Feedwater System	10
		SOP-12	Feedwater System	81
71111.05	Calculations	EA-FPP-03-001	Analysis of Combustible Loading at Palisades Nuclear Plant	4
	Corrective Action Documents Resulting from Inspection	CR-PLP-2020-00019	NRC Identified: Left Sample on the Frisking Station in a Level 1 Transient Combustible Area	01/06/2020
	Fire Plans	Pre Fire Plan 13A	Main Corridor - North / Elevation 590'	5
	Miscellaneous	DBD-7.10	NFPA 805 Fire Protection Program	3
71111.11A	Miscellaneous		Palisades Licensed Operator Requalification Annual	02/25/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Examination Summary Results for 2020	
71111.11B	Corrective Action Documents	CR-PLP-2019-00652	Two SROs Failed DEP (Drill and Exercise Performance) during CPE Simulator Scenario on 02/11/2019	02/11/2019
		CR-PLP-2019-00937	Licensed Operator Qualification were Removed from Two Operators due to Failing the DEP Portion of the Annual Operating Exam during Simulator Scenarios	03/06/2019
		CR-PLP-2019-04436	During the LOR As Found Simulator Exam a student accessed ESOMS Narrative Logs in order to utilize the Equipment Database portion. This is a forbidden program to use during an exam.	11/05/2019
	Corrective Action Documents Resulting from Inspection	CR-PLP-2020-00229	EN-TQ-210, Conduct of Simulator Training, Procedure Requires Clarification for the Scenario Grading Process	01/24/2020
	Miscellaneous	Job Performance Measure	PLJPM-LOR-CVCS-08	01
		Job Performance Measure	PLJPM-LOR-AOP-45	00
		Job Performance Measure	PLJPM-LOR-RO Admin-08	00
		Job Performance Measure	PLJPM-LOR-SRO Admin-08	00
		Job Performance Measure	PLJPM-LOR-FPS-02	02
		Job Performance Measure	PLJPM-LOR-AOP-32	01
		Job Performance Measure	PLJPM-LOR-CSS-03	05
		Job Performance Measure	PLJPM-LOR-AOP-41	00
		Job Performance Measure	PLJPM-LOR-RO Admin-07	00
		Job Performance Measure	PLJPM-LOR-SRO Admin-07	00

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Scenario-Based Testing Checklist	SES-245	00
		Scenario-Based Testing Checklist	SES-246	00
		Scenario-Based Testing Checklist	SES-278	01
		Scenario-Based Testing Checklist	SES-279	02
		Simulator Exam Scenario	SES-276	00
		Simulator Exam Scenario	SES-277	01
		Simulator Exam Scenario	SES-278	01
		Simulator Exam Scenario	SES-279	02
		Simulator Performance Test Procedure	Real Time and Repeatability Test	04/25/2016
		Simulator Performance Test Procedure	Steady State Test	08/26/2019
		Simulator Performance Test Procedure	Simultaneous Closure of All Main Steam Isolation Valves	10/23/2019
		Simulator Performance Test Procedure	Trip of any Single Reactor Coolant Pump	10/23/2019

71111.11B	Miscellaneous	Simulator Performance Test Procedure	Maximum Size Reactor Coolant System Rupture Combined with Loss of All Offsite Power	10/23/2019
		Simulator Performance Test Procedure	Slow Primary System Depressurization to Saturated Condition with Pressurizer Relief or Safety Valve Stuck Open	10/23/2019
		Simulator Performance Test Procedure	Cycle 27 Core Performance Test	11/09/2018
		Simulator Post-Transient Comparison Test	Post Event Simulator Testing for DR-19-002 Event – Manual Plant Trip	01/03/2019
		Simulator Post-Transient Comparison Test	Post Event Simulator Testing for DR-19-003 Event – Automatic Plant Trip	01/09/2019
		TQF-201-IM05, Rev 11	Remedial Training Plan, PL-N0019 Annual JPM Evaluation Failure (PLJPM-LOR-AOP-S1, Rev 0 and PLJPM-LOR-SRO ADMIN1, Rev 0)	03/14/2019
	Procedures	EN-TQ-114	Licensed Operator Requalification Training Program Description	12
		EN-TQ-202	Simulator Configuration Control	11
		EN-TQ-210	Conduct of Simulator Training	11
		EN-TQ-217	Examination Security	09
		PNT 8.0	Palisades Simulator Configuration Management	4
		Procedure No. 4.00, Attachment 2	Certification for Resuming Active License Status	05/08/2018
		Procedure No. 4.00, Attachment 2	Certification for Resuming Active License Status	09/12/2018
		Procedure No. 4.00, Attachment 2	Certification for Resuming Active License Status	12/02/2019
		RT-191	Startup Physics Test	12
		TQF-210-DD03-Grade	LOR Crew Performance Evaluation Grading Criteria	5

		TQF-210-DD04-Grade	RO/SRO Performance Evaluation Grading Criteria	2
		TQF-210-DD05-Grade	STA/SE Performance Evaluation Grading Criteria	2
	Self-Assessments	LO-PLPLO-2018-00054	Pre-71111.11 Inspection Self-Assessment (Part 1)	03/29/2019
		LO-PLPLO-2018-00086	Pre-71111.11 Inspection Self-Assessment (Part 2)	01/22/2020
	Work Orders	Discrepancy Report DR 12-028	Add Generator Output Breaker Malfunction Request	
		Discrepancy Report DR 16-036	Aux Feedwater Controller Replacement (FIC-0736A & FIC-0737A)	
		Discrepancy Report DR 18-047	Phase 2 Modification to the Switchyard	
		Discrepancy Report DR 19-031	Loss of Simulator Sounds During Simulator Scenario	
		Discrepancy Report DR 19-057	CRDM Fan Failure	
71111.12	Corrective Action Documents	CR-PLP-202-00418	The Display Screen on PY-0102B (Thermal Margin Monitor Channel 'B') is Dim and the Brightness Needs to be Adjusted	02/10/2020
		CR-PLP-2020-00259	Exceeded Maintenance Rule Performance Criteria for Primary Coolant and Pressurizer & Level Control Systems	01/28/2020
		CR-PLP-2020-00919	CV-0511, Turbine Bypass to Condenser, Actuator not Maintaining Pressure for a Minimum of 5 Minutes.	03/20/2020
		CR-PLP-2020-00922	FPS Door #60 Located Near the Missile Door of the TSC had Threshold Gasket Lifted up	03/20/2020
		CR-PLP-2020-00952	Tracking CR for Maintenance Rule Evaluations of Low Safety Significant Equipment Performance Issues	03/24/2020
	Miscellaneous	System Health Report	Neutron Monitoring System	Q3 - 2019

71111.12	Miscellaneous	System Health Report	Turbine Generator System	Q3 - 2019
71111.13	Corrective Action Documents	CR-PLP-2020-00231	P-39B Cooling Tower Pump Packing has a Large Leak	01/24/2020
		CR-PLP-2020-00232	Water Bubbling Out of Inspection Cover Near Base of P-39B, Cooling Tower Pump	01/24/2020
		CR-PLP-2020-00611	Received EK-0702 Relief Valve RV-2006 Discharge High Temp Unexpectedly	02/25/2020
	Drawings	M-202	System Diagram Chemical and Volume Control System	11
		M-202	Piping & Instrument Diagram Chemical & Volume Control System Sheet 1A	64
	Engineering Changes	34410	Heat Balance Calculation Using the Ultrasonic Flowmeter Measurement Device	6
		EC 85426	Use of Tree Stand on Service Water Pump P-7A	0
	Procedures	Admin 4.02	Control of Equipment	82
		AOP-23	Primary Coolant Leak	2
		EN-WM-104	On-Line Risk Assessment	21
	Work Orders	539281 01	HTR Drain Pump Subcooling Valve Fuse Block Loose	02/14/2020
71111.15	Corrective Action Documents	CR-PLP-2020-00126	White Crystalline Substance Found on Wire Termination on Cable C51/J49C/2 in Junction Box J49C	01/15/2020
		CR-PLP-2020-00253	Discovered Foreign Material/Debris Inside Numerous Cells During Quarterly Battery Check of ED-02 Station Battery	01/27/2020
		CR-PLP-2020-00510	CCW Should be Considered Inoperable - DNC	02/20/2020
		CR-PLP-2020-00552	During Review of Diagnostic Test on CV-0944A an Anomaly on the Trace was Suspected to be Easy-Torque-Thrust Sensor Failure	02/20/2020
		CR-PLP-2020-00559	Determined that Technical Specifications Basis for Limiting Condition of Operation (LCO) 3.7.7, Component Cooling Water (CCW) System, Should be Clarified	02/20/2020

71111.15	Corrective Action Documents	CR-PLP-2020-00568	Information on Vendor Drawing M-240, Sheet 9 (Revision 5) did not Appear to Have a Valid Model Number for the Actuators Associated with the 18" Valves (722A-SR-51).	02/20/2020
		CR-PLP-2020-00722	Control Room Received EK-0702 Relief Valve RV-2006 Discharge High Temp Unexpectedly	03/04/2020
		CR-PLP-2020-00872	Commercial Grade Valve ASME Sect. III, Class 3 Application Evaluation	03/17/2020
		CR-PLP-2020-00907	Low Pressure Safety Injection Stem Nut Transition Time Evaluation	03/19/2020
		CR-PLP-2020-00948	Found 52-1501 Group 1 Proportional heaters, in the Tripped Free Condition	03/24/2020
	Corrective Action Documents Resulting from Inspection	CR-PLP-2020-00563	The NRC Identified a 15 Drop per Minute Leak (Severity Level 3) from CV-0944A, CCW to SFP HXS, RW Evaps, C-50's/54 & NSSS	02/20/2020
	Drawings	M-209	Piping & Instrument Diagram, Component Cooling System, Sheet 3	60
	Engineering Changes	27090	Palisades EDG Turbo Support Cracking Report by MPR Associates	0
		79224	ED-02 Foreign Material Cell 26 Reasonable Assurance of Operability	000
		86234	Engineering Assessment of MV-SW602B	0
	Procedures	CEP-NDE-0640	Turbocharger Support Liquid Penetrant Examination	01/08/2020
		EN-OP-104	Operability Determination Process	16
		MO-29	Engineered Safety System Alignment	40
		SPS-E-20	Maintenance for 2400 Volt Siemens Switchgear	8
	Work Orders	52874649-01	K-6A Turbocharger Support Inspection	10/09/2019
		52877399 03	Containment Spray Header Level/Pressurizer Gauge Cal	01/28/2020
		52898504	MO-29 Engineering Safety System Alignment	01/26/2020
71111.18	Calculations	EA-EC82054-01	Equivalency Evaluation of SW Pumps P-7A, P-7B, and P-7C Lower Column Brace Brackets	01/15/2020
	Corrective Action Documents Resulting from Inspection	CR-PLP-2020-00583	The NRC Found a Numerical Error in the Computation Section of Calculation "Equivalency Evaluation of SW Pumps P-7A, P-7B, and P-7C Lower Column Brace Brackets:	02/21/2020
71111.18	Corrective Action	CR-PLP-2020-	The NRC Found a Computational Error in the Computation	02/21/2020

	Documents Resulting from Inspection	00584	Section of Calculation "Equivalency Evaluation of SW Pumps P-7A, P-7B, and P-7C Lower Column Brace Brackets"	
	Engineering Changes	82054	Service Water Pumps P-7A, P-7B, and P7-C	0
	Procedures	NMS-1-10	Dual Linear Power Current Measurements	16
	Work Orders	00536528 01	152-104, AFW-P-8A Breaker, Adjust Bayonet per SPS-E-1	01/06/2020
71111.19	Corrective Action Documents	CR-PLP-2019-04896	NMS-I-7, Dual Linear Power Channel Tilt Adjustment and NMS-I-10, Dual Linear Power Current Measurements, Procedures Needed a DRN Initiated	12/13/2019
		CR-PLP-2020-00114	NI-1/3A (Source & Wide Range Neutron Monitor CH1/3) was Found Out of Tolerance for the Upper End of the Source Count Range	01/14/2020
		CR-PLP-2020-00169	Calibration of Excore Nuclear Instrumentation is Needed	01/20/2020
		CR-PLP-2020-00355	The Plan for Refilling T-25A, Diesel Generator Fuel Oil Day Tank was Changed to Utilize on Site Fuel	02/05/2020
		CR-PLP-2020-00356	During Maintenance on K-6A, Emergency Diesel Generator 1-1, it was Discovered that the 2R Fuel Pump Cover was Loose when it's Wingnut was Bottomed Out	02/05/2020
		CR-PLP-2020-00369	The CK-DE412 Left Bank Valve Train Lube Oil Supply is Leaking	02/05/2020
		CR-PLP-2020-00373	During Performance of MO-7A-1, FI-0890, Diesel Generator 1-1 Service Water Flow was 710 gpm	02/06/2020
		CR-PLP-2020-00483	FUZ/J015-1 was Found Ajar from it's Fuse Block Holder	02/13/2020
	Engineering Changes	EC 85426	Use of Tree Stand on Service Water Pump P-7A	0
	Procedures	CEP-NDE-0902	ASME Section XI VT-2 Examination Record	03/11/2020
		EN-MA-101-03	Maintenance Work Preparation Process	11
		EN-MA-118	Foreign Material Exclusion	01/08/2020
		MO-7A-1	Emergency Diesel Generator 1-1	101
		NMS-I-7	Dual Linear Power Channel Tilt Adjustment	23
		QO-14	Inservice Test Procedure - Service Water Pumps	44
		RE-131	Diesel Generator 1-1 Load Reject	10

71111.19	Procedures	SPS-E-1	2400 Volt and 4160 Volt Allis Chalmers and Siemens Vacuum Circuit Breaker Auxiliary Switch Adjustments	42
	Work Orders	00532545 01	K06A; Turbocharge S. Vertical Support has 2 Cracks	01/08/2020
		00536251 01	Power Range Excure Drawers / NMS-I-10	01/21/2020
		00536591 01	NI-8; Replacement of Linear Amplifier Cards	01/21/2020
		52907186	MO-7A-1X - D/G 1-1 Emergency Diesel Generator Fuel Oil Trans Test	02/05/2020
		539805 05	RV-2006, Valve Replacement PMT	03/11/2020
		539805 11	PMT: Ops, Charging and Letdown System Checks	03/11/2020
		E-605	Connection Diagram 2400V SWGR #1C Unit #104	14
		WO 536382	P-7B; Studs on Packing Gland Follower are Difficult to Move	01/15/2020
71111.22	Corrective Action Documents	CR-PLP-2020-00191	The 5% and 10% Deviation Alarm Lights on the NI-7 Power Range Drawer were not Illuminating During Calibration of the NI-5 Power Range Drawer	01/21/2020
		CR-PLP-2020-00192	Power Range Encore Drawers / NMS-I-7 Upper and Lower Meter Readings Out of Tolerance	01/21/2020
		CR-PLP-2020-00221	NI-2/4A Source Range Found Out-Of-Tolerance During Right Channel Instrumentation Calibration	01/23/2020
		CR-PLP-2020-00240	The DWO-1PCS Unidentified Leak Rate Values Require Entry to Action Level 2 per Admin 4.19	01/25/2020
		CR-PLP-2020-00261	ESSO-1 Containment Spray Header Fill Required due to as Left and as Found Pressures on PI-3002 During Replacement of Pressure Gauges	01/28/2020
		CR-PLP-2020-00264	ESSO-1 Containment Spray Header Fill Required due to as Left and as Found Pressures on PI-3002 During Replacement of Pressure Gauges	01/28/2020
		CR-PLP-2020-00373	During Performance of MO-7A-1, FI-0890, Diesel Generator 1-1 Service Water Flow was Reading 710gpm	02/06/2020
		CR-PLP-2020-00405	Results from Independent Lab Analysis of Diesel Fuel Oil Delivery Received on 01/21/2020 List an UNSAT Result for Heat Content of 19343 BTU/lb	02/07/2020
	Procedures	4.10	PCS Leak Rate Monitoring Program	6
		4.19	PCS Leak Rate Monitoring Program	6
		DWO-1	Operator's Daily/Weekly Items Modes 1, 2, 3, and 4	109
		QO-1	Safety Injection System	03/11/2020
		QO-14	Inservice Test Procedure - Service Water Pumps	44

		QO-16	Inservice Test Procedure - Containment Spray Pumps	41
		QO-21	Inservice Test Procedure - Auxiliary Feedwater Pumps	53
		SOP-4	Containment Spray System	27
	Work Orders	52905576	QO-21C, Auxiliary Feedwater System Valve Inservice Test	01/30/2020
		52906177 01	QO-16B - 1st Procedure - Containment Spray Pump P-54B	02/10/2020
71114.06	Procedures	SOE-3	Entergy Palisades Nuclear Plant February 19, 2020 Emergency Planning Drill Scenario Narrative	0
71151	Corrective Action Documents	CR-PLP-2020-00724	The Monthly Performance Indicator (PI) for Maintenance Execution Index Changed from Green to Red for the Month of February 2020	03/04/2020
	Miscellaneous	MSPI Derivation Documents	MSPI Derivation Documents for January 1, 2019 through December 31, 2019	01/01/2019 - 12/31/2019
	Procedures	EN-FAP-OM-005	Nuclear Performance Indicator Program	09/01/2019
		EN-LI-114	Regulatory Performance Indicator Process	08/28/2019
71152	Corrective Action Documents	CR-PLP-2020-00403	Pressure Control Valves for T-57 Vacuum Degasifier Tank are not Controlling Pressure at their Designed 22.5 psig and 23.5 psig	02/07/2020
		CR-PLP-2020-00409	The DWO-1 PCS Unidentified Leak Rate Exceeded Action Level 3	02/09/2020
		CR-PLP-2020-00414	Reach Rods for MV-CRW105, Vacuum Degasifier Tank T-57 Inlet and MV-CRW106, Vacuum Degasifier Tank T-57 Bypass Appeared Closed when the Associated Valves were not Fully Closed	02/10/2020
	Miscellaneous		January 2020 3-Hour UNID Leak Rate Averaged vs. RIA-1817	0
			Primary System Drain Tank T-74 - Cycle 27	0
			January 2020 3-Hour UNID Leak Rate Averaged vs Sump Fill Rate (60 Min Sample)	0
	Procedures	EN-MA-125	Troubleshooting Control of Maintenance Activities	25
		EN-MA-125-Attachment 3	Troubleshooting Control Form - PCS Leakage Assessment Determination	01/30/2020