



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

April 28, 2021

EA-21-024

Mr. Joel P. Gebbie
Senior VP and Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

SUBJECT: DONALD C. COOK NUCLEAR PLANT – INTEGRATED INSPECTION REPORT
05000315/2021001 AND 05000316/2021001

Dear Mr. Gebbie:

On March 31, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Donald C. Cook Nuclear Plant. On April 15, 2021, 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 NRC-identified or self-revealing findings were identified during this inspection.

A licensee-identified violation which was determined to be of very low safety significance is documented in this report. We are treating this violation as a non-cited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy.

If you contest the violation or the significance or severity of the violation documented in this inspection report, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region III; the Director, Office of Enforcement; and the NRC Resident Inspector at Donald C. Cook Nuclear Plant.

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/

Néstor J. Félix Adorno, Chief
Branch 4
Division of Reactor Projects

Docket Nos. 05000315 and 05000316
License Nos. DPR-58 and DPR-74

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Joel P. Gebbie from Néstor Félix Adorno dated April 28, 2021.

SUBJECT: DONALD C. COOK NUCLEAR PLANT – INTEGRATED INSPECTION REPORT
05000315/2021001 AND 05000316/2021001

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000315 and 05000316

License Numbers: DPR-58 and DPR-74

Report Numbers: 05000315/2021001 and 05000316/2021001

Enterprise Identifier: I-2021-001-0031

Licensee: Indiana Michigan Power Company

Facility: Donald C. Cook Nuclear Plant

Location: Bridgman, MI

Inspection Dates: January 01, 2021 to March 31, 2021

Inspectors: S. Bell, Health Physicist
A. Dahbur, Senior Reactor Inspector
I. Hafeez, Reactor Inspector
J. Mancuso, Resident Inspector
J. Neurauter, Senior Reactor Inspector
P. Zurawski, Senior Resident Inspector

Approved By: Néstor J. Félix Adorno, Chief
Branch 4
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 Donald C. Cook 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. A licensee-identified NCV is documented in report section: 71111.13.

List of Findings and Violations

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

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
URI	05000315,05000316/ 2021001-01	Unit 1 and Unit 2 Train B Reserve Feed Declared Inoperable Due to Fault Current	71153	Open
LER	05000315/2020-001-00	LER 2020-001-00 for Donald C. Cook Nuclear Plant, Unit 1, Containment Closure Requirements Not Met During Refueling Operations	71153	Closed
LER	05000316/2020-002-00	LER 2020-002-00 for Donald C. Cook Nuclear Plant, Unit 2, Plant Shutdown Required by Technical Specifications Due to Reactor Coolant System Leakage	71153	Closed
LER	05000316/2020-003-00	LER 2020-003-00 for Donald C. Cook Nuclear Plant Unit 2, Manual Reactor Trip and Automatic Safety Injection Due to Failed Open Pressurizer Spray Valve	71153	Closed
LER	05000316/2020-004-00	LER 2020-004-00 for Donald C. Cook Nuclear Plant Unit 2, Automatic Reactor Trip on Low-Low #24 Steam Generator Water Level	71153	Closed
LER	05000316/2020-004-01	LER 2020-004-01 for Donald C. Cook Nuclear Plant Unit 2 Regarding Unit 2 Automatic Reactor Trip on Low-Low #24 Steam Generator Water Level	71153	Closed

PLANT STATUS

Donald C. Cook began the inspection period with both Unit 1 and Unit 2 operating at approximately 100 percent power and, with the following exception, remained at that level throughout the inspection period. On March 19–20, 2021, Unit 1 power was reduced to 92 percent for scheduled main turbine and main feedwater pump testing. The unit was returned to 100 percent on March 20, 2021.

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 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 Disease 2019 (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; conducted plant status activities as described in IMC 2515, Appendix D, “Plant Status”; observed risk-significant activities; and completed on-site portions of IPs. In addition, resident and regional baseline inspections were evaluated to determine if all or portions 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 some cases, portions of an IP were completed remotely and on-site. The inspections documented below met the objectives and requirements for completion of the IP.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

Seasonal Extreme Weather Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated readiness for seasonal extreme weather conditions prior to the onset of severe cold temperatures on February 10, 2021.

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) Unit 2 AB & CD fuel oil transfer pumps with fuel oil transfer pump AB2 inoperable on January 21, 2021.

- (2) Unit 1 AB emergency diesel generator (EDG) while guarded for essential service water (ESW) maintenance on February 10, 2021.
- (3) Unit 2 critical control power inverter and direct current (DC) supply breaker MDAB-6 due to Unit 2 600 volt alternating current (AC) supply breaker EZC-A-4AL tripped on March 18, 2021.

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (3 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) Unit 2 east 4 KV rooms on February 2, 2021.
- (2) Fire Zone 42D; emergency power supply AB battery room Unit 1 elevation 609'-6" on March 31, 2021.
- (3) Fire Zone 15; 1 CD EDG room Unit 1 elevation 587' on March 31, 2021.

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

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

- (1) The inspectors observed and evaluated Unit 2 Training Session 3, RQ-S-4505-U2, on March 3, 2021.

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (6 Samples 1 Partial)

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) Completion of the Unit 1 airlock equalizing valve removal begun on November 18, 2020.
- (2) Maintenance risk for cycle 117 week 04 with significant switchyard work and Unit 1/2 EDGs protected on January 25, 2021.
- (3) Emergent work; Unit 2 AB2 EDG fuel oil transfer pump failure on February 1, 2021.
- (4) Maintenance risk for cycle 117 week 07 with Unit 1 Train B solid state protection system (SSPS) testing and maintenance of the following on February 16, 2021:
 - Unit 2 ESW pump discharge and strainer
 - West diesel driven fire pump
 - Unit 2 middle hotwell pump
- (5) Maintenance risk for cycle 117 week 012 with Unit 1 closed cooling water heat exchanger outlet maintenance on March 22, 2021.
- (6) Risk management for Unit 2 AB2 fuel oil transfer pump out of service on February 2, 2021.
- (7) (Partial)
Unit 1 SI line voiding on March 24, 2021.

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (7 Samples)

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

- (1) Action Request (AR) 2020-10495; Unit 1 West Closed Cooling Water Heat Exchanger Leakage on January 2, 2021.
- (2) AR 2020-8692; Unit 2 East Component Cooling Water (CCW) Pump Shaft Seal Leakage on January 15, 2021.
- (3) AR 2021-022; Chemical and Volume Control System (CVCS) unit Cross Tie Leakage Unit 2 to Unit 1 on February 1, 2021.
- (4) AR 2021-2081; Slight Ground Indication on 600V Bus 21A on March 10, 2021.
- (5) AR 2021-1389; Unit 2 Containment Upper Volume West Air Sampler Containment Isolation Valve Failed Stroke Test on February 24, 2021.
- (6) AR 2021-2290; Unit 2 - Damaged Cable 2-3420R-2 to Unit 2 Critical Control Power Cabinet on March 24, 2021.
- (7) AR 2021-2098; Unit 2 Glycol Chiller #3 Tripped on March 15, 2021.

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (3 Samples)

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

- (1) Unit 1 ESW maintenance on February 10, 2021.
- (2) Unit 1 ESW discharge pump and strainer maintenance on February 17, 2021.
- (3) Unit 1 turbine driven auxiliary feedwater pump room cooler on March 9, 2021.

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

Surveillance Tests (other) (IP Section 03.01) (5 Samples)

- (1) Unit 2 EDG surveillance on January 5, 2021.
- (2) Unit 1 Train A SSPS on January 14, 2021.
- (3) Unit 1 AB EDG surveillance on January 19, 2021.
- (4) East control room pressurization/cleanup filter system operability test on March 8, 2021.
- (5) Unit 2 CD EDG surveillance on March 10, 2021.

RADIATION SAFETY

71124.08 - Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation

Waste Characterization and Classification (IP Section 03.03) (2 Samples)

- (1) The inspectors evaluated the licensee's characterization and classification of radioactive waste for shipment DCC 20-023 consisting of primary resin.
- (2) The inspectors evaluated the licensee's characterization and classification of radioactive waste for shipment DCC 19-094 consisting of spent resin.

Shipping Records (IP Section 03.05) (3 Samples)

The inspectors evaluated the following non-excepted radioactive material shipments through a record review:

- (1) Shipment DCC20-016, Radioactive - SCO material shipment consisting of radioactive samples packaged in a general design package.
- (2) Shipment DCC20-023, Radioactive - LSA waste shipment consisting of primary resin packaged in a Type A package.
- (3) Shipment DCC19-094, Radioactive - LSA waste shipment consisting of spent demineralizer resin packaged in a general design package.

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 03.01) (2 Samples)

- (1) Unit 1 (January 1, 2020 – December 31, 2020)
- (2) Unit 2 (January 1, 2020 – December 31, 2020)

IE03: Unplanned Power Changes per 7000 Critical Hours Sample (IP Section 03.02) (2 Samples)

- (1) Unit 1 (January 1, 2020 – December 31, 2020)
- (2) Unit 2 (January 1, 2020 – December 31, 2020)

IE04: Unplanned Scrams with Complications (USwC) Sample (IP Section 03.03) (2 Samples)

- (1) Unit 1 (January 1, 2020 – December 31, 2020)
- (2) Unit 2 (January 1, 2020 – December 31, 2020)

MS05: Safety System Functional Failures (SSFFs) Sample (IP Section 03.04) (2 Samples)

- (1) Unit 1 (January 1, 2020 – December 31, 2020)
- (2) Unit 2 (January 1, 2020 – December 31, 2020)

71152 - Problem Identification and Resolution

Annual Follow-up of Selected Issues (IP Section 02.03) (2 Samples)

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

- (1) AR 2020-4198: Design Basis Non-Conformance of Containment Penetrations CPN-16 & 47 on January 1, 2021.
- (2) AR 2021-1900; Both Units Lost Train B Reserve Feed on February 26, 2021.

71153 – Follow-up of Events and Notices of Enforcement Discretion

Event Report (IP Section 03.02) (4 Samples)

The inspectors evaluated the following licensee event reports (LERs):

- (1) LER 05000315/2020-001, "*Unit 1 Containment Closure Requirements Not Met During Refueling Operation*," on December 9, 2020, (ADAMS Accession Number [ML20353A109](#)), during the week of March 29, 2021. The inspection conclusions associated with this LER are documented in the Results Section 71152 of this report.
- (2) LER 05000316/2020-02-00, "*Plant Shutdown Required by Technical Specifications Due to Reactor Coolant System Leakage*" on May 1, 2020, (ADAMS Accession No. [ML20188A216](#).) The inspectors determined that it was not reasonable to foresee or correct the cause discussed in the LER therefore no performance deficiency was identified. The inspectors did not identify a violation of NRC requirements.
- (3) LER 05000316/2020-03-00, "*Manual Reactor Trip and Automatic Safety Injection Due to Failed Open Pressurizer Spray Valve*," (ADAMS Accession No. [ML20188A216](#)) on September 4, 2020. The inspectors determined that it was not reasonable to foresee or correct the cause discussed in the LER therefore no performance deficiency was identified. The inspectors did not identify a violation of NRC requirements.
- (4) LERs 05000316/2020-004-00 & 05000316/2020-004-01, "*Unit 2 Automatic Reactor Trip on Low-Low #24 Steam Generator Water Level*" (ADAMS Accession Nos. [ML20353A108](#) & [ML21063A250](#)) on October 12, 2020. The inspection conclusions associated with these LERs are documented in Inspection Report 05000316/2020004 under Inspection Results Section 71153.

Notice of Enforcement Discretion (NOED) (IP Section 03.04) (1 Partial)

- (1) (Partial)
The inspectors evaluated the licensee actions surrounding NOED EA-21-024 Enforcement Discretion for Technical Specifications 3.8.1, "AC Sources – Operating " due to Unit 1 and Unit 2 Train B reserve feed being declared inoperable due to fault current which can be accessed at <https://www.nrc.gov/docs/ML2106/ML21063A568.pdf> on March 1, 2021.

INSPECTION RESULTS

Licensee-Identified Non-Cited Violation	71111.13
<p>This violation of very low safety significance was identified by the licensee and has been entered into the licensee corrective action program and is being treated as an NCV, consistent with Section 2.3.2 of the Enforcement Policy.</p>	
<p>Violation: Donald C. Cook, Unit 1, TS 3.9.3 requires, in part, that, during movement of irradiated fuel assemblies within containment, the status of each containment penetration providing direct access from the containment atmosphere to the outside atmosphere is either (1) closed by a manual or automatic isolation valve, blind flange, or equivalent; or (2) capable of being closed by an operable containment purge supply and exhaust system. The associated Required Action A.1 requires the immediate suspension of movement of irradiated fuel assemblies within containment when one or more containment penetrations are not in the status required by TS 3.9.3.</p> <p>Contrary to the above, from October 4, 2020 (1616) to October 6, 2020 (1444), the licensee failed to maintain the status of each containment penetration providing direct access from the containment atmosphere to the outside atmosphere during movement of irradiated fuel assemblies within containment as either (1) closed by a manual or automatic isolation valve, blind flange, or equivalent; or (2) capable of being closed by an operable containment purge supply and exhaust system. Specifically, the equalization valves of the containment penetration associated with the Unit 1 containment personnel airlock door at the 612 elevation were removed as part of preventative maintenance Work Order 5553058301-01. The removal of these equalization valves caused the containment penetration to provide direct access from the containment atmosphere to the outside atmosphere and movement of irradiated fuel assemblies within containment was not suspended.</p> <p>Significance/Severity: Green. The inspectors assessed the significance of the finding using Inspection Manual Chapter (IMC) 0609, Appendix G, "Shutdown Operations Significance Determination Process;" Exhibit 4, "Barrier Integrity Screening Questions;" under Block B, "Containment Barrier." Because the finding degraded the physical integrity of reactor containment, Question B.9 directed the inspectors to IMC 0609, Appendix H, "Containment Integrity Significance Determination Process." The inspectors determined the finding was 'Type B' related to 'Containment isolation valves in lines' using Table 4.1 and required Phase 2 evaluation using Section 07.01/Table 7.1. Using Section 07.02 (Step 2.1), the inspectors screened the finding as Green since the finding did not occur within eight days of the outage start. The licensee reported this event to the NRC as LER 05000315/2020-001-00, 'Unit 1 Containment Closure Requirements Not Met During Refueling Operation, on December 9, 2020, (Adams Accession Number ML20353A109).</p> <p>Corrective Action References: Action Request (AR) 2020-8528, Question Regarding Containment Integrity</p>	

Observation: Design Basis Non-Conformance of Containment Penetrations CPN-16 & 47	71152
<p>The inspectors assessed the licensee's corrective actions taken to address the non-conforming condition captured in AR 2020-4198; "Design Basis Non-conformance of CPN-16/47." The non-conforming condition was that revision 1 of calculation SD-000504-003 did not consider the thermal stress effects in the evaluations for containment piping penetrations at containment penetration numbers CPN-16 and CPN-47. Therefore, the</p>	

effects of the thermal stresses were not considered in the evaluation at the flued head to sleeve junction structural discontinuity which is not in conformance with the requirements of the applicable design code (i.e., the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section III Division 1 (1968)). The inspectors reviewed the licensee's evaluation of the thermal stress effects at structural discontinuities as well as the evaluation of stress and fatigue against the allowable limits specified in the ASME Section III-1968 design code. Based on the inspector's review, no concerns were identified.

Unresolved Item (Open)	Unit 1 and Unit 2 Train B Reserve Feed Declared Inoperable Due to Fault Current URI 05000315,05000316/2021001-01	71153
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Description:

On February 26, 2021, at 1008 hours, a fault current occurred between the high side of reserve auxiliary transformer and associated breaker on the Train B reserve feed for both units. This caused the circuit breakers to open, removing access to one of the two immediate offsite power sources at both units. The Unit 1 and Unit 2 Train B reserve feed were declared inoperable and required action 'A' of TS 3.8.1 was entered for both units. TS 3.8.1 Condition A.3 requires operability be restored within 72 hours or the plant be in Mode 3 within the next 6 hours and in Mode 5 within the following 36 hours.

Licensee investigation identified a failed bus structure in loop feeder enclosure #1 which feeds both Unit 1 and Unit 2. Repair/replacement was required to return the circuit to operable status, however the time to complete repairs exceeded the 72-hour completion time of TS 3.8.1 Condition A.3. The other immediate offsite power source, all four emergency diesel generators, and the backup offsite power source remained fully functional.

On February 28, 2021, the licensee requested enforcement discretion to not enforce compliance with the TS 3.8.1 Condition A.3 completion time for an additional 48 hours to allow time to repair the failed bus structure and perform necessary post-maintenance testing. Unit 1 and Unit 2 were operating at approximately 100 percent power. Without this enforcement discretion, Unit 1 and Unit 2 were required to be in MODE 3 by 1608 hours on March 1, 2021, and Mode 5 by 2208 hours on March 2, 2021.

The NRC granted the verbal request and subsequently issued NOED No. EA-21-024 to ([ML21063A568](#)) exercise discretion and not enforce compliance with TS 3.8.1.A.3 Condition A.3, for a 48-hour period starting on March 1, 2021, and ending at 1006 hours, on March 3, 2021. The NOED approval basis and required compensatory measures were documented by NRC letter to I&M, dated March 4, 2021. The repair and post-maintenance activities were completed with equipment restored to service at 0522 hours on March 2, 2021. During the NOED period, inspectors verified the required NOED actions were performed.

Planned Closure Actions: The licensee was evaluating the cause to the electrical fault at the conclusion of this inspection period. The inspectors opened this unresolved item (URI) to review the licensee's cause determination and other information to determine whether performance deficiencies or violations of more than minor significance occurred leading to the need for the NOED.

Licensee Actions: The licensee inspected the affected equipment for damage, replaced necessary components, and restored the equipment back to service. The licensee also placed temporary heaters in the affected loop feed enclosure for moisture control and established a future action to install permanent heaters along with preventative maintenance measures.

Corrective Action References: AR 2021-1900

EXIT MEETINGS AND DEBRIEFS

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

- On April 15, 2021, the inspectors presented the integrated inspection results to Mr. J. Gebbie, Senior Vice President, and other members of the licensee staff.
- On January 14, 2021, the inspectors presented the radiation protection baseline inspection results to Mr. J. Gebbie, Senior Vice Present, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.01	Procedures	1-OHP-4021-057-002	Placing and Removing from Service Circulating Water Deicing System	28
71111.01	Procedures	12-IHP-5040-EMP-004	Plant Winterization and De-Winterization	24
71111.01	Procedures	12-OHP-4022-001-010	Severe Weather	21
71111.04	Procedures	2-OHP-4021-032-008AB	Operating DG2AB Subsystems	37
71111.04	Procedures	2-OHP-4021-032-008C	Operating DG2AB Subsystems	33
71111.05	Fire Plans	Fire Zone 15	1 CD Diesel Generator Room Unit 1 Elevation 587'	38
71111.05	Fire Plans	Fire Zone 42D	E.P.S. AB Batter Room Unit 1 Elev. 609'-6"	38
71111.11Q	Miscellaneous	RQ-E-ANN-22	Licensed Operator Annual Requalification Scenario #22	2
71111.11Q	Miscellaneous	RQ-E-ANN-37	Licensed Operator Annual Requalification Scenario #37	4
71111.13	Corrective Action Documents	AR 2020-8528	Question Regarding Containment Integrity	0
71111.13	Corrective Action Documents	AR-2021-0702	AB2 Tripped Thermal Overload Following Restoration	0
71111.13	Corrective Action Documents	AR-2021-0875	2-QT-106-AB2 Pressure Failed to Return to Desired Setting	0
71111.13	Miscellaneous		Units 1 & 2 Cycle 117, Week 04	0
71111.13	Miscellaneous		Units 1 & 2 Cycle 117, Week 07	0
71111.13	Miscellaneous		Units 1 & 2 Cycle 117, Week 12	0
71111.13	Miscellaneous		Operational Narrative Logs	01/25/2021 – 01/29/2021
71111.13	Miscellaneous		Operational Narrative Logs	02/16/2021 – 02/19/2021
71111.13	Miscellaneous		Unit 1/2 Online Risk for Cycle 117, Week 07	0
71111.13	Miscellaneous	IACE2020-8528	Apparent Cause Evaluation - AR 2020-8528	0
71111.13	Procedures	1-OHP-4030-127-041	Refueling Integrity	047
71111.13	Procedures	10IHP-4030-114-	Containment Integrity	018

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		010		
71111.13	Procedures	PMP-4100-SDR-001	Plant Shutdown Safety and Risk Management	50
71111.13	Work Orders	55400525	Unit 2 2-QT-106-AB2	0
71111.13	Work Orders	5555089021	Unit 2 Train B RPS/ESF/RTB/SSPS Test	0
71111.13	Work Orders	5555089208	Rack In/Out Reactor Trip Bypass Breaker Train B	0
71111.15	Corrective Action Documents	AR 2020-10495	Unit 1 – West CCW Heat Exchanger Leakage	0
71111.15	Corrective Action Documents	AR 2020-8692	Unit 2 – East CCW Pump Shaft Seal Leakage	0
71111.15	Corrective Action Documents	AR 2021-0022	CVCS Unit Cross Tie Leakage Unit 2 to Unit 1	0
71111.15	Corrective Action Documents	AR 2021-1389	Unit 2 – 2-ECR-17, Containment Upper Volume West Air Sampler ESR-7 Containment Isolation Valve Failed Open Stroke Time	0
71111.15	Corrective Action Documents	AR 2021-2081	Unit 2 - Slight Ground Indication on 21A	0
71111.15	Corrective Action Documents	AR 2021-2098	Unit 2 – 12 OME-129-3 Tripped Twice on HP1 Error Code	0
71111.15	Corrective Action Documents	AR 2021-2290	Unit 2 - Damaged Cable 2-3420R-2 to Unit 2 CCRP	0
71111.15	Miscellaneous	ODMI1-21-001	CVCS Unit Cross Tie Leakage Unit 2 to Unit 1	2
71111.19	Miscellaneous	55234168-01	Open/Clean Inspect Unit 2 West Essential Service Water Vent Trap 2-T-131-3	02/18/2021
71111.19	Miscellaneous	55267657-02	Perform PMT Leak Inspection Unit 2 West Essential Service Water Vent Trap 2-T-131-3	02/17/2021
71111.19	Miscellaneous	55267657-03	Perform PMT Leak Inspection Unit 2 West Essential Service Water Vent Trap 2-T-131-4	02/18/2021
71111.19	Procedures	1-OHP-4030-119-022E	East Essential Service Water System Test	36
71111.19	Work Orders	55511830-01	1-HV-AFP-T1AC Perform Investigation	03/09/2021
71111.19	Work Orders	55511830-04	1-HV-AFP-T1AC; Perform Post Maintenance Test	03/10/2021
71111.22	Procedures	1-IHP-4030-111-1A	Train 'A' Solid State Protection System (SSPS) Automatic Trip and Actuation Logic Operational Test (TADOT,	14

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Actuation Logic Test and Master Relay Test) and Reactor Trip Breaker Operational Test (TADOT)	
71111.22	Procedures	1-OHP-4030-128-024E	East Control Room Pressurization/Cleanup Filter System Operability Test	6
71111.22	Procedures	1-OHP-4030-132-027AB	AB Diesel Generator Operability Test (Train B)	62
71111.22	Procedures	2-IHP-4030-266-09	Unit 2 CD Diesel Generator Room CO2 Fire Suppression Test	3
71111.22	Procedures	2-OHP-4030-232-027CD	CD Diesel Generator Operability Test (Train A)	64
71111.22	Work Orders	55553689	Perform 1-THP-4030-111-01A; Solid State Protection System Logic/Reactor Trip Breakers	01/03/2021
71124.08	Corrective Action Documents	AR 2019-6715	CESA Boxes Not Used in Five Years	07/09/2019
71124.08	Corrective Action Documents	AR 2020-10116	Minor Documentation Errors Found in RP Shipping Paperwork	12/10/2020
71124.08	Corrective Action Documents	AR 2020-6352	Radioactive Material Container	08/11/2020
71124.08	Corrective Action Documents	AR 2020-9868	Rad Waste Discrepancy with UFSAR	12/02/2020
71124.08	Corrective Action Documents Resulting from Inspection	AR 2021-0427	Minor Shipping Documentation Error	01/13/2021
71124.08	Miscellaneous		Radioactive Material Transportation Training Documents	Various
71124.08	Miscellaneous		DC Cook 10 CFR 61 Scaling Factor Report for 2017	12/04/2018
71124.08	Miscellaneous	474095005	10 CFR 61 Laboratory Analysis of Primary Radioactive Resin	02/12/2019
71124.08	Miscellaneous	DCC 19-094	Radioactive Waste Shipment of Spent Demineralizer Resin	12/09/2019
71124.08	Miscellaneous	DCC 20-016	Radioactive Material Shipment Consisting of Contaminated Equipment	05/26/2020
71124.08	Miscellaneous	DCC 20-023	Radioactive Waste Shipment of Primary Resin	05/26/2020
71124.08	Miscellaneous	RP-C-PB31	Radioactive Material Transportation Security Plan Lesson Plan	5

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71124.08	Procedures	12-THP-6010-RPP-900	Preparation of Radioactive Shipments	35
71124.08	Procedures	12-THP-6010-RPP-903	Activity Determination and Waste Classification	8
71124.08	Procedures	12-THP-6010-RPP-904	High Integrity Containers	8
71124.08	Procedures	PMP-6010-PCP-900	Radioactive Waste Process Control Program	14
71124.08	Procedures	PMP-6010-PCP-901	Shipment of Radioactive Material and Waste	7
71124.08	Procedures	PMP-6010-RPP-301	Control of Material in a Radiation Controlled Area	35
71151	Miscellaneous		Operational Narrative Logs	01/01/2020 – 12/31/2020
71151	Procedures	PMP-7110-001	Reactor Oversight Program Performance Indicators and Monthly Operating Report Data Sheets (January 2020 through December 2020)	19
71152	Calculations	MD-12-CONT-004-N	Fatigue Analysis of Penetrations	3
71152	Calculations	SD-000504-003	Stress Analysis for Unit 1 Penetrations CPN-17, CPN-47 and CPN-39 for Piping End Loads	2
71152	Corrective Action Documents	AR 2020-4198	Design Basis Non-Conformance of Containment Penetrations CPN-16 & 47	05/18/2020
71152	Corrective Action Documents	AR 2021-1900	Both Units Lost Train B Reserve Feed	0
71152	Miscellaneous	1V040.1-RPT-001	Vendor Report: DC Cook Unit #1 and #2, Containment and Crane Wall Piping Penetration Analysis and Qualification Guideline	1
71152	Miscellaneous	DCC-PM-201-QCN	ASME Design Specification for Containment Piping Penetrations	6
71152	Miscellaneous	PORC 4811	Plant Operating Review Committee 4811, 'IPTE Unit Shutdown for Both Units with Train B Reserve Feed Deenergized'	0
71152	Miscellaneous	PORC 4840	Plant Operating Review Committee 4840, 'Request for	0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Notice of Enforcement Discretion for Technical Specifications 3.8.1, "AC Sources – Operating"	
71153	Corrective Action Documents	AR 2020-6941	U2 Manual Reactor Trip and Auto Safety Injection	09/04/2020
71153	Corrective Action Documents	AR 2020-8488	Unit 2 Reactor Trip - 12 October 2020	10/12/2020
71153	Corrective Action Documents	AR 2021-1900	Both Units Lost Train B Reserve Feed	0
71153	Drawings	E-2508	34.5kV Bus Wiring Diagram	24
71153	Drawings	RSC1-4249	Relay Diagram 34.5kV Reserve Feed Lead Differentials	2
71153	Engineering Changes	E-1300	345/34.5kV One Line Diagram	36
71153	Miscellaneous	AEP NRC-2021-20	Compensatory Action 1-21-CCA-0030 per NOED AEP NRC-2021-20	03/01/2021
71153	Miscellaneous	AEP NRC-2021-20	Compensatory Action 2-21-CCA-0028 per NOED AEP NRC-2021-20	03/01/2021
71153	Miscellaneous	LER 315/2020-001-00	Unit 1 Containment Closure Requirements Not Met During Refueling Operations	00