



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

May 3, 2022

Mr. Christopher P. Domingos
Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company, Minnesota
1717 Wakonade Drive East
Welch, MN 55089-9642

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT – INTEGRATED
INSPECTION REPORT 05000282/2022001, 05000306/2022001, AND
07200010/2021001

Dear Mr. Domingos:

On March 31, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Prairie Island Nuclear Generating Plant. On April 15, 2022, 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,

A handwritten signature in black ink, appearing to read "Hironori Peterson".

Signed by Peterson, Hironori
on 05/03/22

Branch 3
Division of Reactor Projects

Docket Nos. 05000282, 05000306, and
07200010

License Nos. DPR-42, DPR-60, and
SNM-2506

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Christopher P. Domingos from Hironori Peterson dated May 3, 2022.

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT – INTEGRATED INSPECTION REPORT 05000282/2022001, 05000306/2022001, AND 07200010/2021001

DISTRIBUTION:

Jessie Quichocho
Linda Howell
RidsNrrPMPrairieIsland Resource
RidsNrrDorLpl3
RidsNrrDrolrib Resource
John Giessner
Mohammed Shuaibi
Shelbie Lewman
Allan Barker
DRPIII
DRSIII

ADAMS ACCESSION NUMBER: ML22123A140

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RIII	RIII			
NAME	NShah:sw	HPeterson			
DATE	05/03/2022	05/03/2022			

OFFICIAL RECORD COPY

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

Docket Numbers: 05000282, 05000306, and 07200010

License Numbers: DPR-42, DPR-60, and SNM-2506

Report Numbers: 05000282/2022001, 05000306/2022001, and 07200010/2021001

Enterprise Identifier: I-2022-001-0068 and I-2021-001-0164

Licensee: Northern States Power Company

Facility: Prairie Island Nuclear Generating Plant

Location: Welch, Minnesota

Inspection Dates: January 01, 2022, to March 31, 2022

Inspectors: K. Pusateri, Resident Inspector
D. Tesar, Senior Resident Inspector

Approved By: Hironori Peterson
Branch 3
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 Prairie Island Nuclear Generating 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

Unit 1 began the inspection period at rated thermal power. On March 21, 2022, the unit was down powered to 7 percent for Turbine Control Valve Testing and repairs to the turbine control system. The unit was returned to rated thermal power on March 22, 2022, and remained at or near rated thermal power for the remainder of the inspection period. Unit 2 operated at or near rated thermal power for the entire 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 activities described in IMC 2515, Appendix D, "Plant Status," conducted routine reviews using IP 71152, "Problem Identification and Resolution," observed risk significant activities, and completed on-site portions of IPs. 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

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

- (1) Walkdowns of Exterior Temp Structures, D6 Fuel Oil Vault, CST Warming for Cold Weather on February 1, 2022

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (5 Samples)

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

- (1) 21 Motor-Driven Auxiliary Feedwater Pump Post-Surveillance Walkdown on January 6, 2022
- (2) 21 Battery During D6 Risk Informed Completion Time (RICT) on February 3, 2022
- (3) 21 and 22 Auxiliary Feedwater Pump Walkdown During D6 (RICT) on January 31, 2022
- (4) 11 Safety Injection Pump Walkdown on February 16, 2022
- (5) Cardox System Walkdown Following Out-of-Service Period on March 4, 2022

Complete Walkdown Sample (IP Section 03.02) (1 Sample)

- (1) D1 (A Train) and D2 (B Train) Emergency Diesel Generators (Following Maintenance Window) on February 24, 2022

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (6 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) Zone 2, Auxiliary Feedwater Pump Rooms, El. 695' on January 6, 2022
- (2) Zone 12, Relay and Cable Spreading Room, El. 715' on January 12, 2022
- (3) Zone 14, Old P250 Room, El. 715' on January 18, 2022
- (4) Zone 17, Access Control, El. 715' on February 24, 2022
- (5) Zone 3, 11, and 12 Feedwater Pumps, El 695' on March 10, 2022
- (6) Zone 1, Battery Rooms 11 and 12, El 695' on March 9, 2022

Fire Brigade Drill Performance Sample (IP Section 03.02) (1 Sample)

- (1) Turbine Building Unit 1, El. 695' on March 14, 2022

71111.06 - Flood Protection Measures

Inspection Activities - Internal Flooding (IP Section 03.01)

Internal Flooding Sample Units 1 and 2 on March 14, 2022

71111.11Q - Licensed Operator Regualification 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 the Unit 1 Downpower for Turbine Valve Test and 'C' Kernel Replacement on March 23, 2022.

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

- (1) The inspectors observed and evaluated Licensed Operator Regualification Training (LORT) As-Found Simulator Scenario (DEP) on March 15, 2022.

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) D6 Unavailability on February 10, 2022
- (2) Unit 1 Turbine Stop Valve Testing on March 22, 2022

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (7 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) Contingency Risk Informed Completion Time (RICT) for D6 Work Window Review of Availability Form 4's on January 30, 2022
- (2) Phoenix Update for Pressurizer Heater "C" Bank Unavailability on February 22, 2022
- (3) WW 2203 D6 Emergency Diesel Generator Maintenance Window on January 18, 2022
- (4) 22 Reactor Coolant Pump (RCP) Lower Bearing Oil Level Decrease on January 14, 2022
- (5) "B" Cooling Water Return Header Work and RICT Implementation on February 24, 2022
- (6) D1 Emergency Diesel Generator Work Window on March 7, 2022
- (7) 22 Diesel Driven Cooling Water (DDCL) Pump Work Window on March 21, 2022

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (6 Samples)

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

- (1) Reactor Coolant Pump Casing ASME Code Compliance on January 14, 2022
- (2) Door 56 From U2 Side Relay Room to Turbine Building Out-of-Service on February 9, 2022
- (3) Fire Protection Change Evaluation 22-002 on March 7, 2022
- (4) 22 Condensate Pump Offline Predictive Motor Analysis (PDMA) Testing on February 11, 2022
- (5) Residual Heat Removal (RHR) System Voids on January 3, 2022
- (6) 22 DDCL Pump ASME OM Code Non-Compliance on March 29, 2022

71111.18 - Plant Modifications

Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02) (2 Samples)

The inspectors evaluated the following temporary or permanent modifications:

- (1) EC 601000001587 Bypass Computer Room UPS Trip and Halon Automatic Initiation on February 24, 2022
- (2) EC 601000003309 Unit 2 Diesel Fuel Oil Storage Tank (FOST) Piping MOD Wax Tape Code Compliance on January 6, 2022

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (6 Samples)

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

- (1) WO 700102208-0600 Bypass D6 Magnetic Pickup Unit (MPU) per ECR 601000003587 on February 11, 2022
- (2) "B" Cooling Water Header Return to Service (RTS) Post-Maintenance Testing on February 24, 2022
- (3) 122 Control Room Cleanup Fan on March 1, 2022
- (4) SP 1194 CARDOX (Carbon Dioxide) 18-month System Test as Post-Maintenance Testing on March 4, 2022
- (5) WO 700102961-0010 Replace Actuator 1/D6 on February 11, 2022
- (6) 22 Diesel Driven Cooling Water (DDCL) Pump Post-Maintenance Testing Following Work Window on March 28, 2022

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance testing activities to verify system operability and/or functionality:

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

- (1) SP 2095 Bus 26 Load Sequencer on February 1, 2022
- (2) SP 2468.1 Unit 2 GL-08-01 Inspections for Modes 1, 3, and 4 on January 18, 2022
- (3) SP 1194 CARDOX (Carbon Dioxide) 18-Month System Test on February 17, 2022
- (4) SP 2856 Bus 26 Undervoltage Relay Test on February 3, 2022
- (5) SP 1054 Turbine Control Valve Testing on March 28, 2022

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) SP 2101 21 Motor-Driven Auxiliary Feedwater Pump Quarterly Flow and Valve Test on January 6, 2022

71114.06 - Drill Evaluation

Select Emergency Preparedness Drills and/or Training for Observation (IP Section 03.01) (1 Sample)

- (1) Emergency Preparedness INPO Evaluated Exercise on March 15, 2022

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) (2 Samples)

- (1) Unit 1 (January 1, 2021, through December 31, 2021) on January 26, 2022
- (2) Unit 2 (January 1, 2021, through December 31, 2021) on January 26, 2022

IE03: Unplanned Power Changes per 7000 Critical Hours Sample (IP Section 02.02) (2 Samples)

- (1) Unit 1 (January 1, 2021, through December 31, 2021) on January 26, 2022
- (2) Unit 2 (January 1, 2021, through December 31, 2021) on January 26, 2022

IE04: Unplanned Scrams with Complications (USwC) Sample (IP Section 02.03) (2 Samples)

- (1) Unit 1 (January 1, 2021, through December 31, 2021) on January 26, 2022
- (2) Unit 2 (January 1, 2021, through December 31, 2021) on January 26, 2022

71152A - Annual Follow-up Problem Identification and Resolution

Annual Follow-up of Selected Issues (Section 03.03) (1 Sample)

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

- (1) Annual Follow-up of the Solenoid Valve Failure for the D2 Emergency Diesel Generator.

71152S - Semiannual Trend Problem Identification and Resolution

Semiannual Trend Review (Section 03.02) (1 Sample)

- (1) Trend Evaluation for the Quality of Information Provided to NRC on March 16, 2022

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

Event Follow-up (IP Section 03.01) (2 Partials)

- (1) (Partial)
10 CFR 50.9 URI Follow-Up on January 10, 2022
- (2) (Partial)
Follow-Up Violation of T.S. 5.6.6 on January 19, 2022

OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL

60853 - On-Site Fabrication of Components and Construction on an ISFSI

The inspectors evaluated the licensee's Independent Spent Fuel Storage Installation (ISFSI) pad expansion activities from February 2021 to January 18, 2022. The expansion and pad design were previously approved by the NRC through a license amendment (ML20237F365). Throughout construction, the inspectors evaluated the following:

- Preparation of the subsurface, formwork, and type and condition of reinforcing steel.

- The materials used were consistent with the design and procurement specifications.
- Aggregates were tested for potential reactivity.
- Design changes, modifications, and non-conformance reports.
- Qualifications of individuals performing Quality Assurance (QA) functions including non-destructive evaluations.
- QA oversight; and
- American Concrete Institute (ACI) and American Society for Testing and Materials (ASTM) concrete sample test results, including verifying compressive strength tests met design specifications.

The inspectors were onsite on September 15–16, 2021, and observed the following during construction:

- Placement of reinforcing steel was consistent with design requirements.
- Concrete placement was consistent with ACI standards.
- Concrete testing was consistent with ASTM and ACI standards.
- Overall pad dimensions were consistent with the design documents.

INSPECTION RESULTS

Observation: Follow up of D2 Emergency Diesel Generator Solenoid Valve Failure	71152A
<p>The Safety-Related (SR), D2 Emergency Diesel Generator (EDG) B air start solenoid valve (SV) failed to change state on August 16, 2021, and was documented in CAP 501000055123, with an action to evaluate the condition and perform an Extent of Condition (EOC) review. The failed SV was replaced, restoring the system to normal operation on August 19, 2021. Based upon Operating Experience (OE) data for recent failures of this type of (SV), a CAP action was created for an Engineering Change (EC) to acquire a different SV for installation in 2023. The inspectors also reviewed the procedures and documents from a Part 21 perspective and did not identify any issues with the forensics report which determined that no Part 21 report was required. During the review, inspectors identified that CAP action 500000314662 for the EOC review had been marked as complete, yet it did not include appropriate documentation for action closure. The licensee-initiated CAP 501000062261 to document inadequate closure of the action and to reopen the action for proper completion. CAP 501000055123 remains open awaiting closure following the EC action completion. The inspectors determined that the actions being taken and/or planned were reasonable and commensurate with the safety significance of the issue. The inspectors did not identify any findings or violations of more than minor significance.</p>	
Observation: Semiannual Trend Review of Quality of Documents Provided to the NRC	71152S
<p>On September 8, 2021, the inspectors performed a semi-annual trend review regarding a potential adverse trend in the quality of documents being provided to the NRC. These documents were used by the NRC, in part, to evaluate conditions and to determine if, and how much additional inspection is required in specific areas. Inspectors reviewed Corrective Action Program (CAP) items generated in the last year documenting deficiencies with the technical rigor being applied for documents prior to submittal. Some examples of these deficiencies included:</p> <ul style="list-style-type: none"> • <u>CAP 501000060402 “Update NRC response”, dated 2/7/2022</u> 	

Quality Issue Management (QIM) 501000058054 documented that based off H10.1 and H10.1.B the site did not use or implement the SI [Safety Injection] accumulator discharge check valves Check Valve Condition Monitoring (CVCM) plans. The CAP implied that the standard ISTC code requirements were being applied. This information was provided to the NRC on November 5, 2021, via QF0739. However, this information was not fully accurate as CVCM Plans were prepared and signed for the Residual Heat Removal (RHR) cold leg Safety Injection (SI) accumulator discharge check valves to allow for partial flow testing, during the summer of 2019. This was then used as justification to update the surveillance procedures to implement the partial flow testing.

- CAP 501000056770 “Incorrect information provided to NRC”, dated 10/05/2021

This CAP identified that the In-Service Inspection (ISI) Engineer provided information as part of the response to a Request for Information (RFI) for the 2R32 ISI Inspection. However, the information was not fully accurate, in that the response to question B8 SP 2408 was listed as "Containment Power Quarterly Inspection". This was incorrect in two respects, 1) SP 2408 is "Walkdown of the Shield Building Annulus" and 2) SP 2554 was "Containment at Power Quarterly Inspections" but was changed to "Containment Power Inspection" on June 7, 2021.

- CAP 501000057560 “Rev 8 of PTLR submitted with error”, dated 10/21/2021

On September 8, 2021, CAP 501000055874 “PTLR 54 EFPY fluence not bounding” was issued to document that the fluence values used for developing the Pressure Temperature Limits Report (PTLR) and the associated curves used to limit heat up and cool down, were higher than previously determined.

On October 5, 2021, CAP 501000056729 “Fluence Analysis Unexpected High W2 Weld” was issued to document an error in the current calculation used to determine fluence values and adjusted reference temperatures (ART). Specifically, the calculation used a wrong dimension for the W2 weld location resulting in fluence values higher than what was previously reported. As a result, the PTLR heat up and cooldown curves and ARTs needed revision; this also impacted other items that relied on the ARTs and/or PTLR curves as inputs.

On October 8, 2021, Westinghouse provided a letter to Prairie Island Nuclear Generating Plant (PINGP) “Impact Assessment for Prairie Island Units 1 and 2 – PTLR Non-Conservatism”. This letter identified the calculational error discussed above and determined that the previously calculated fluence values and ARTs at end of life (54 EFPY) and the existing PTLR curves were non-conservative and required revision.

On October 12, 2021, PINGP submitted Revision 8 of the PTLR (previously approved on February 16, 2021) to restore compliance with Technical Specification 5.6.6.C. However, the report referenced the incorrect PTLR curves and apparently had not accounted for the calculational errors discussed in the previous CAPs.

The inspectors reviewed the PINGP Fleet Procedures FP-R-LIC-13, “Communications with the NRC,” and FP-R-LIC-02, “Regulatory Correspondence,” which discussed the licensee's requirements and commitments for ensuring that adequate technical rigor was applied prior to submitting information to the NRC. These documents require that reviewers, in part, confirm the following:

- Is the information provided complete?

- Is the information provided correct? Was the preparer of the response a subject matter expert?
- Does the response answer the question being asked? Is the response on topic and clear?
- Are inputs and assumptions appropriately validated?
- If there is an embedded calculation, is it correct?
- If the response contains a condition adverse to quality, was it documented in the CAP?

On January 18, 2022, the Corporate Functional Area Manager (CFAM) of Engineering identified an Area of Concern (AOC) with “multiple instances where engineering personnel have provided incorrect information to external stakeholders”. An action was developed to stress the “What Your Signature Means” with Engineering personnel. This action was completed at an Engineering “All Hands” Meeting in February of 2022, followed by action closure on February 18, 2022. The inspectors’ review concluded that for the first two examples above where incorrect information was provided to the NRC, the consequences of those were minimal and did not adversely affect the NRC’s ability to perform its regulatory function. The third example above is being tracked in the Unresolved Item (URI) documented in Report 2021-004. The licensee implemented corrective actions to assure plant operations are within proper safety limits and have taken actions to correct and update the PTLR and its associated documents. The inspectors have no immediate concerns with the licensee’s corrective actions; however, based on the relatively short “runtime” of these actions, the inspectors could not make an assessment regarding their effectiveness for this trend review.

EXIT MEETINGS AND DEBRIEFS

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

- On April 15, 2022, the inspectors presented the integrated inspection results to Mr. C. Domingos, Site Vice President, and other members of the licensee staff.

THIRD PARTY REVIEWS

Inspectors reviewed Institute on Nuclear Power Operations reports that were issued during the inspection period.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
60853	Corrective Action Documents	501000051919	Concrete Mix Options Not Meet Design Req	05/13/2021
		501000053098	Soil Densometer Equipment Deltas	06/11/2021
		501000054279	ISFSI Subgrade Compaction Test	07/22/2021
		501000054336	Concrete Delivery Rejected at Job Site	07/23/2021
		501000054983	NOS: Contractor Uncalibrated M&TE	08/11/2021
		501000055049	ISFSI Expansion - Plate Load Test Data	08/13/2021
		501000055298	ISFSI Const Subgrade Density Test Missed	08/20/2021
		501000059357	ISFSI Expansion - Concrete Pad Thickness	12/30/2021
		Westinghouse IR-2021-10020	Near Miss During Concrete Pour at Prairie Island ISFSI	09/16/2021
		Westinghouse IR-2021-10068	Water Cement Ratio Exceeded Requirement	09/17/2021
		Westinghouse IR-2021-10905	Flatness Inspection of Safety Related Pad	10/06/2021
		Westinghouse IR-2021-11816	Pad Flatness at Pullboxes Exceeds Specified Criteria	10/28/2021
		Westinghouse IR-2021-12181	Re-Inspection of Flatness for ISFSI Pad	11/06/2021
		Westinghouse IR-2021-13392	PINGP ISFSI Concrete Pad Thickness Variations	12/13/2021
		Westinghouse IR-2021-6629	Soil Densometer Calibration Results Delta	06/11/2021
	Westinghouse IR-2021-8876	Braun Intertec Plate Load Test Data Loss	08/16/2021	
	Corrective Action Documents Resulting from Inspection	501000056098	ISFSI Worker Stumbled on Rebar	09/16/2021
		501000059767	ISFSI Exp. - Errors in Concrete Tickets	01/14/2022
	Engineering Changes	601000000444	ISFSI Expansion Project	0
	Miscellaneous		Braun Intertec Co. Letter: Plate Load Test Results	08/17/2021
			S&L Review of Braun's "Plate Load Test Results - Braun	08/25/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Letter;"	
		FCR 001	PINGP ISFSI Pad Expansion - Excavation Work Plan	05/30/2021
		FCR 002	PINGP ISFSI Pad Expansion - Excavation Work Plan	06/03/2021
		FCR 003	PINGP ISFSI Pad Expansion - Excavation Work Plan	06/03/2021
		FCR 005	PINGP ISFSI Pad Expansion - Excavation Work Plan	06/08/2021
		FCR 006	PINGP ISFSI Pad Expansion - Excavation Work Plan	07/14/2021
		FCR 019	PINGP ISFSI Pad Expansion - Pad Installation Work Plan	10/13/2021
		FCR 020	Prairie Island ISFSI Pad Expansion - Pad Installation Work Plan	10/13/2021
		FCR 025	PINGP ISFSI Pad Expansion - Pad Installation Work Plan	11/06/2021
		FCR 028	PINGP ISFSI Pad Expansion - Pad Installation Work Plan	11/09/2021
	PO4500828442	Concrete Purchase Order	05/18/2021	
	Procedures		ASTM D6951 Braun Intertec Quality Manual; MnDOT Dynamic Cone Penetrometer Testing	0
		Section 3.5.I.31	Braun Intertec Quality Manual; Potential Reactivity of Aggregates - Mortar Bar Method	13
		Section 3.5.V.10	Braun Intertec Quality Manual; Moisture-Density Relation of Soil-Modified Proctor	13
Work Orders	WO700081836	ISFSI Expansion: Concrete Pad Install	0	
	WO700082161	ISFSI Expansion: Excavation	1	
71111.04	Procedures	2C1.5	Operation Without Computer	39
		E-Plan	Emergency Plan	58
		FP-EP-EQP-01	Equipment Important to Emergency Response	9
		PINGP 1672, FP-EP-EQP-01	Equipment Important to Emergency Response	22
71111.05	Calculations	M-4163-001	C02 Concentrations in the Relay and Cable Spreading/Computer Room	1
	Fire Plans	DBD Top 06	Design Bases Document for Fire Protection	17
		PINGP 1676	Unit #1 Hydrogen Seal Oil Unit Fire Drill and Critique	03/14/2022
	Work Orders	70100056221	SP 1275 10-Month Safe Shutdown Fire Barrier Inspection	08/14/2020
71111.06	Drawings	NF 39303-2	Miscellaneous Drain and Vent Piping	76
		NF 39303-4	Miscellaneous Drain and Vent Piping-Unit 1	4
		NF-39303	Miscellaneous Drain and Venting Pipe-Unit 1	06/30/1970

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		NF-39303-H3	Miscellaneous Drain and Vent Piping-Unit 1	06/30/1970
	Engineering Evaluations	EC: 0000008754	Evaluate the Relay and Cable Spreading Compartment for Internal Flooding	0
	Procedures	H36	Plant Flooding	12
71111.12	Corrective Action Documents	501000059179	One Year Turbine TE	12/17/2021
	Engineering Evaluations	1067-0096-LTR-001	Prairie Island Turbine Valve Test Interval Extension Evaluation (1 and 2)	0
	Miscellaneous	01/07/2022	Maintenance Rule Expert Panel Meeting Minutes of January 7, 2022	01/07/2022
		Agenda	Prairie Island Maintenance Rule Expert Panel Meeting - January 7, 2022	01/07/2022
	Procedures	5AWI 4.10.0	Technical Specification Bases and Technical Requirements Manual Control Programs	14
		FP-E-MR-01	Maintenance Rule Process	12
	Work Orders	700095602	Troubleshooting Plan for C Kernel	01/05/2022
71111.13	Corrective Action Documents	501000060757	Group C PZR HTRs PRA Entry Time	02/22/2022
	Procedures	H10.1	ASME Inservice Testing Program	42
	Work Orders	700007434	1-CL 7434 Clg Return HDR	02/28/2022
71111.15	Corrective Action Documents	501000059495	Residual Heat Removal Voids	01/05/2022
		501000059751	Operating Experience Evaluation (OEE) Westinghouse Tech Bulletin 22-1: Reactor Coolant Pump (RCP) Casing Design Analysis	01/13/2022
		501000060104	"C" Phase Amperage Dropping 22 CD Pump	01/26/2022
		CE 501000058196	Conduct of Condition Evaluations (from FP-PA-ARP-01) Frequency/Scope of GL-08-01 Locations Like 2RH-01/2RH-06	11/10/2021
	Engineering Evaluations	602000019672	Troubleshooting Plan - Unit 2 Residual Heat Removal System Voids	01/05/2022
		608000000834	Review of Void at 2RH-14-500IN3-Part 1 (Void Loads)	0
		608000000834	Review of Void at 2RH-14-500IN3-Part 2 (Structural Investigation)	0
		608000000834	Unit 2 Residual Heat Removal System - Void at 2RH-14	01/05/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Operability Evaluations	501000059495 (ECR 60800000000834)	Evaluation to Support Past Operability of Voiding on the "B" Train of RHR	0
	Procedures	H10.1	ASME Inservice Testing Program	42
		SP 1106B	22 Diesel Cooling Water Pump Monthly Test	103
	Work Orders	700102337	"C" Phase Voltage Dropping 22 CD Pump	02/08/2022
71111.18	Procedures	IP-ENG-001	Standard Design Process (EB-17-06)	1
		IP-ENG-001 Attachment 5	Design Equivalent Change Package	1
	Work Orders	700070278	D5 Fuel Oil Replacement Piping Coat - Activity 60	08/12/2021
		70100093990	D6 Vault Inspection UNS	01/18/2022
71111.19	Procedures	SP 1106A	12 Diesel Cooling Water Pump Monthly Test	100
	Work Orders	7000062859	122 CR/CU Fan Timer Faulty	02/16/2022
		700007134	Wall Thinning Due to MIC-Repair/Replace	05/03/2021
		700007434	Post Maintenance Testing 6" Piping - Wall Thinning Due to MIC - Repair/Replacement	05/03/2021
		70001029610010	Replace D6 E1 Gov Actuator	02/07/2022
		700062859	122CR C/U Fan Timer Faulty - Bench Test Replacement Timer	02/17/2022
		700102961	Replace D6 E1 Governor Actuator	02/07/2022
		701000062590020	122 CR/CU Fan Timer Faulty	02/16/2022
71111.22	Corrective Action Documents	501000020741	NOS: F5 App K Cardox System and Doors 56/57	12/05/2018
		501000061537	Turbine Valve Leak	03/22/2022
	Drawings	NF-39335-185	Residual Heat Removal A-73-97	11/10/1971
	Procedures	SP 2468.01	Unit 2 GL-08-01 Inspections for Mode 1, 3, and 4	5
	Work Orders	700079294	SP 1194 18-Month Cardox (CO2) Systems Test	01/05/2022
		700092505	SP 2089A-2A Residual Heat Removal Pump and Suction Valve From RWST	01/28/2022
		70090687	SP 2856 BUS 26 Undervoltomnicron Test	01/18/2022
		70100091894	SP 2095 BUS 26 Load Sequencer Test	01/18/2022
WO 700101720		SP 2468.1 Unit 2 GL-08-01 Inspections for Modes 1, 3, and 4	01/18/2022	
71152S	Corrective Action	501000059609	AST NRC RAI Response Incorrect	01/10/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Documents	501000059748	NRC Violation Partial ACE Request	01/13/2022
		501000060402	Update NRC Response	02/07/2022
	Corrective Action Documents Resulting from Inspection	501000056770	Incorrect Information Provided to the NRC	10/05/2021
		501000057560	Rev 8 of PTLR Submitted with Errors	10/21/2021
71153	Calculations	ENG-ME-819	Adjusted Reference Temperatures for Unit 1 and Unit 2 Reactor Vessel Materials at 54 EFPY	0
		SIR- 99-75	Update to the Generic Letter 92-01 Reactor Vessel Structural Integrity for Prairie Island Units 1 and 2	002
		WCAP-14637	Prairie Island Unit 2 Heat up and Cooldown Limit Curves for Normal Operation	3
	Corrective Action Documents	500001473878	Reactor Vessel Fluence Calculations	04/11/2015
	Corrective Action Documents Resulting from Inspection	501000060322	NRC Question Fluence Methodology Change	02/03/2022
	Procedures	H44	Reactor Vessel Integrity Program	32