



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

February 4, 2021

Mr. Christopher P. Domingos
Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company, Minnesota
1719 Wakonade Drive East
Welch, MN 55089-9642

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT – INTEGRATED
INSPECTION REPORT 05000282/2020004 AND 05000306/2020004

Dear Mr. Domingos:

On December 31, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Prairie Island Nuclear Generating Plant. On January 7, 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 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/

Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 05000282 and 05000306
License Nos. DPR-42 and DPR-60

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Christopher Domingos from Hironori Peterson dated February 4, 2021.

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT – INTEGRATED INSPECTION REPORT 05000282/2020004 AND 05000306/2020004

DISTRIBUTION:

Jessie Quichocho
Mark Haire
Richard Skokowski
RidsNrrPMPrairieIsland Resource
RidsNrrDorLpl3
RidsNrrDrolrib Resource
John Giessner
Kenneth O'Brien
Jamnes Cameron
Allan Barker
DRPIII
DRSIII
ROPreports.Resource@nrc.gov

ADAMS ACCESSION NUMBER: ML21035A172

<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	N.Shah:ve via email	H.Peterson: via email			
DATE	2/3/2021	2/4/2021			

OFFICIAL RECORD COPY

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

Docket Numbers: 05000282 and 05000306

License Numbers: DPR-42 and DPR-60

Report Numbers: 05000282/2020004 and 05000306/2020004

Enterprise Identifier: I-2020-004-0027

Licensee: Northern States Power Company

Facility: Prairie Island Nuclear Generating Plant

Location: Welch, Minnesota

Inspection Dates: October 01, 2020 to December 31, 2020

Inspectors: S. Bell, Health Physicist
M. Garza, Emergency Preparedness Inspector
L. Haeg, Project Manager
M. Holmberg, Senior Reactor Inspector
T. McGowan, Resident Inspector
K. Pusateri, Senior Resident Inspector

Approved By: Hironori Peterson, Chief
Branch 3

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

Prairie Island Unit 1 began the inspection period shutdown for refueling outage 1R32 and returned to power operation on October 11, 2020 and remained at or near 100 percent power for the remainder of the inspection period with the exception of a brief downpower to approximately 90 percent during feed water system work on December 15, 2020. Prairie Island 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 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

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (2 Samples)

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

- (1) Unit 1 A train component cooling system walkdown during D2 fast start on 10/20/2020
- (2) Walkdown on Unit 1 A train safety injection pump on 10/06/2020

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 41B 121 electric fire pump room sub-basement on 10/15/2020
- (2) Fire area 26 D2 room during D1 work window on 10/27/2020
- (3) Fire area 31 U1 auxiliary feed water pump room on 10/29/2020
- (4) Fire area 35 battery room #21 during yellow fire risk window on 11/10/2020

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

- (1) The inspectors evaluated the onsite fire brigade training and performance during an announced fire drill for fire area 69 turbine building U1 695' on 11/10/2020

71111.07A - Heat Sink Performance

Annual Review (IP Section 03.01) (1 Sample)

The inspectors evaluated readiness and performance of:

- (1) 122 control room chiller on 12/10/2020

71111.08P - Inservice Inspection Activities (PWR)

PWR Inservice Inspection Activities Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors verified that the reactor coolant system boundary, steam generator tubes, reactor vessel internals, risk-significant piping system boundaries, and containment boundary were appropriately monitored for degradation and that repairs, and replacements were appropriately fabricated, examined and accepted by reviewing the following activities from September 21, 2020 - October 1, 2020:

03.01.a - Nondestructive Examination and Welding Activities.

- Liquid Penetrant (PT) Examination, Integral Attachment H-12, Auxiliary Feedwater System
- PT Examination, Integral Attachment H-1/1A, Reactor Coolant System (Pump No. 11 Casing)
- Visual VT-3 Examination, Pipe Restraint H-12, Auxiliary Feedwater System
- Visual VT-3 Examination, Pipe Supports H-1, H-2 and H-4, Safety Injection System
- Welds 1 and 2, Weld Build-up Repairs, DI Emergency Diesel Generator Heat Exchanger Heads (Work Order 700008169-0180)
- Welds 1 and 6, Replacement of Valves CL-113-2, CL-115-2 and Associated Piping (Work Order 700057958-0010)

- 03.01.c – Pressurized-Water Reactor Boric Acid Corrosion Control Activities.
- Condition Evaluation - Leak 1FT-411- Coolant Loop A Flow Transmitter
 - Condition Evaluation - Active Fitting Leak 1PT-124
 - Condition Evaluation - Packing Leak at Valve MV-32230
 - QIM 501000018751, Leakage Identified by Pressure Test SP 1168.13 Safety Injection System Pressure Test
 - QIM 501000017687, 1R31 SP 1392 Unit 1 Insulated Bolted Connection Inspection Pressure Test
 - QIM 501000018755, 1R31, SP 1168.10 Residual Heat Removal System Pressure Test

71111.11A - Licensed Operator Requalification Program and Licensed Operator Performance

Requalification Examination Results (IP Section 03.03) (2 Samples)

The inspectors reviewed and evaluated the licensed operator examination failure rates for the requalification annual operating test which was administered between March 10 - 27, 2020 and May 11 - June 5, 2020.

- (1) Morning session simulator training on 12/15/2020
- (2) Reactivity manipulations following FW system work on 12/20/2020

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 reactivity manipulations following Feedwater System work on 11/03/2020.

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

- (1) The inspectors observed and evaluated operator training in the simulator on 12/08/2020.

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (1 Sample)

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

- (1) Emergency diesel generator maintenance effectiveness on 11/04/2020

Quality Control (IP Section 03.02) (1 Sample)

The inspectors evaluated the effectiveness of maintenance and quality control activities to ensure the following SSC remains capable of performing its intended function:

- (1) Review of QC program during 1R32 on 10/22/2020

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (2 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) Walkdown on Unit 1 B train ECCS during D1 on 11/03/2020
- (2) 121 control room chiller work protected equipment walkdown PRA review on 12/08/2020

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) Functionality of 121/122 FLEX diesel-driven submersible pumps on 10/14/2020
- (2) Operability of Bus 16 bus bars with cracks on 10/05/2020
- (3) Unit 1 B loop cold leg PTLR issue on 10/07/2020
- (4) Steam generator PORV controller classification issue on 11/24/2020
- (5) Power range 1N42 calibration issue on 12/02/2020
- (6) Elevated Bus 112 room temperature on 12/08/2020
- (7) Accident source term and steam generator margin to overfill calculations on 12/30/2020

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) Install U1 Sump B Pump Down Temporary Modification on 12/11/2020

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (5 Samples)

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

- (1) Unit 1 D1 EDG work window on 11/3/2020
- (2) 122 FLEX DD submersible pump surveillance with hydraulic hose failure on 10/23/2020
- (3) PMT of D1 diesel generator after fuel injector maintenance and modification on 11/6/2020

- (4) D5 EDG ventilation damper testing following maintenance on 12/02/2020
- (5) 12 charging pump testing following maintenance on 12/03/2020

71111.20 - Refueling and Other Outage Activities

Refueling/Other Outage Sample (IP Section 03.01) (1 Partial)

- (1) (Partial) 1R32

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) SP 1088B Train B safety injection quarterly surveillance on 12/22/2020

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

- (1) SP 1106A 12 diesel driven cooling water pump surveillance on 11/10/2020

FLEX Testing (IP Section 03.02) (1 Sample)

- (1) 122 FLEX Submersible Pump Surveillance hydraulic hose issue on 12/02/2020

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors completed an evaluation of submitted emergency action level and emergency plan changes on December 2, 2020. This evaluation does not constitute NRC approval.

71114.06 - Drill Evaluation

Drill/Training Evolution Observation (IP Section 03.02) (2 Samples)

The inspectors evaluated:

- (1) Licensed operator re-qualification scenario with Drill and Exercise Performance Indicator evaluation on 11/19/2020
- (2) Drill and exercise performance for September and October 2020 on 12/01/2020

RADIATION SAFETY

71124.01 - Radiological Hazard Assessment and Exposure Controls

Radiological Hazard Assessment (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated how the licensee identifies the magnitude and extent of radiation levels and the concentrations and quantities of radioactive materials and how the licensee assesses radiological hazards.

Instructions to Workers (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated radiological protection-related instructions to plant workers.

Contamination and Radioactive Material Control (IP Section 03.03) (2 Samples)

The inspectors evaluated licensee processes for monitoring and controlling contamination and radioactive material.

- (1) Observed workers exiting the RCA at Unit 1 during a refueling outage.
- (2) Observed the usage, availability, and sensitivity of in plant survey instrumentation for contamination monitoring located at the Unit 1 containment exit during the Unit 1 refueling outage.

Radiological Hazards Control and Work Coverage (IP Section 03.04) (3 Samples)

The inspectors evaluated in-plant radiological conditions during facility walkdowns and observation of radiological work activities.

- (1) Unit 1 Containment Sump C Inspection performed under RWP #201031, 0
- (2) Unit 1 Containment Refueling Activities performed under RWP #201031, 0
- (3) Unit 1 Containment Reactor Cavity Decontamination performed under RWP #201031, 0

High Radiation Area and Very High Radiation Area Controls (IP Section 03.05) (3 Samples)

The inspectors evaluated licensee controls of the following High Radiation Areas and Very High Radiation Areas:

- (1) Barrel Yard
- (2) Unit 1 Containment Sump C
- (3) Unit 1 Containment Regeneration Heat Exchanger Room

Radiation Worker Performance and Radiation Protection Technician Proficiency (IP Section 03.06) (1 Sample)

- (1) The inspectors evaluated radiation worker and radiation protection technician performance as it pertains to radiation protection requirements.

71124.04 - Occupational Dose Assessment

Special Dosimetric Situations (IP Section 03.04) (1 Sample)

The inspectors evaluated the following special dosimetric situations:

- (1) Dose assessment for three declared pregnant workers

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (IP Section 02.12) (1 Sample)

- (1) Unit 1 (April 1, 2019 - September 30, 2020)
Unit 2 (April 1, 2019 - September 30, 2020)

EP02: ERO Drill Participation (IP Section 02.13) (1 Sample)

- (1) Unit 1 (April 1, 2019 - September 30, 2020)
Unit 2 (April 1, 2019 - September 30, 2020)

EP03: Alert & Notification System Reliability (IP Section 02.14) (1 Sample)

- (1) Unit 1 (April 1, 2019 - September 30, 2020)
Unit 2 (April 1, 2019 - September 30, 2020)

MS06: Emergency AC Power Systems (IP Section 02.05) (2 Samples)

- (1) Unit 1 MSPI: AC Power (October 1, 2019 - September 30, 2020)
- (2) Unit 2 MSPI: AC Power (October 1, 2019 - September 30, 2020)

MS09: Residual Heat Removal Systems (IP Section 02.08) (2 Samples)

- (1) Unit 1 MSPI: RHR (October 1, 2019 - September 30, 2020)
- (2) Unit 2 MSPI: RHR (October 1, 2019 - September 30, 2020)

MS10: Cooling Water Support Systems (IP Section 02.09) (2 Samples)

- (1) Unit 1 MSPI: Cooling Water (October 1, 2019 - September 30, 2020)
- (2) Unit 2 MSPI: Cooling Water (October 1, 2019 - September 30, 2020)

BI01: Reactor Coolant System (RCS) Specific Activity Sample (IP Section 02.10) (2 Samples)

- (1) Unit 1 (October 1, 2019 - September 30, 2020)
- (2) Unit 2 (October 1, 2019 - September 30, 2020)

OR01: Occupational Exposure Control Effectiveness Sample (IP Section 02.15) (1 Sample)

(1) (October 1, 2019 – September 30, 2020)

71152 - Problem Identification and Resolution

Semiannual Trend Review (IP Section 02.02) (1 Sample)

(1) AR 501000043177; Post-Maintenance Issue Trend on 10/19/2020

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 501000044544; Potential Trend of Critical Equipment on 10/22/2020
- (2) Part 21 Relating to Masoneilan Controllers

INSPECTION RESULTS

Observation: Semi-Annual Trend Review of AR 501000043177, "Potential Trend: Incorrect PMT Activities"	71152
The inspectors reviewed AR 501000043177, "Potential Trend: Incorrect PMT Activities," initiated by the licensee on August 13, 2020, to examine a cognitive trend surrounding problems identified during post-maintenance testing that originated in the preparation of the activities. The licensee re-established expectations that were communicated to the applicable departments regarding maintenance restoration activities. Based on their review of the trend and the actions taken to address the issues, the inspectors determined that the actions were adequate to address the trend and did not identify any concerns with the licensee's resolution of this issue. No findings or violations were identified.	
Observation: Annual Sample of AR 501000044554, "Potential Trend of Critical Equipment Failures"	71152
Based on an unplanned reactor trip of Unit 1, and an unplanned circulating water pump trip on Unit 2 - both in the Fall of 2020, the licensee generated AR 501000044554, "Potential Trend of Critical Equipment Failures." Although a potential trend was not identified based on the evaluations performed for each issue, organizational aspects related to the two issues were addressed in RCE 501000043602. The inspectors did not identify any concerns related to the licensee's evaluation of this potential trend and resulting actions. No findings or violations were identified.	
Observation: Annual sample of AR 501000039193 Masoneilan 8005N Converter Part 21 Issue on 12/07/2020	71152
The inspectors evaluated licensee CAP 501000016276, regarding a May 2018, Part 21 report, involving a manufacturing defect with Masoneilan model 8005N I/P converters. These converters were used at Prairie Island to control the safety-related steam generator power operated relief valves (S/G PORV). The defect involved an internal roll pin that wasn't fully inserted during manufacture. As a result, the converter could operate normally for an indeterminate period, but then fail, if the pressure regulating ball fell out of the space in which it was normally restricted by a properly inserted roll pin. The only way to determine the pin	

position, was to x-ray the converter. The licensee had initiated actions to x-ray the components but did not complete those actions. The manufacturer determined that the issue was not generic and was limited to a single converter sent to another facility. Based on this information, the licensee closed the CAP, as the part 21 was deemed not applicable and therefore their installed converters were operable.

On October 15, 2018, following maintenance, the converter for the 12 S/G PORV failed a post-calibration test. The subject converter was replaced under AR 501000018617 with a similar model, and the failed component was sent to a vendor for forensic analysis. In March 2020, the licensee obtained the results of this analysis, which confirmed that the failure was due to misalignment of the internal roll pin. Subsequently, the licensee created CAPs 501000039193 and 501000039400 to reevaluate the part 21 and determine the corrective actions. A licensee past-operability determination concluded that the 12 S/G PORV had been operable, and that the converter internal regulating ball likely dislodged as a result of the maintenance activity, causing the test failure. Additionally, given the result of this past-operability evaluation and based on past surveillance history, the licensee concluded that the other S/G PORVs remained operable. Additional actions left the replacement frequency for the installed converters coincident with planned maintenance on the S/G PORVs in subsequent refueling outages. Therefore, these components would remain installed in the plant for the next several years.

The inspectors could not refute the licensee's operability assessment but did question whether the licensee had adequately assessed and managed the risk from the potential adverse condition. As a result of the inspectors' concerns, the licensee created assignments to evaluate the risk aspect from this potential defect for the installed 8005N I/P controllers and to develop additional corrective actions based on the results of that assessment. Additionally, corrective actions were also developed to track the replacement of the installed converters with either x-rayed models or equivalent models, not subject to the defect. The inspectors concluded that these actions were reasonable and noted that the licensee is aware that they may be potentially at risk should these converters fail due to a potential defect prior to scheduled replacement.

No violations or findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On October 1, 2020, the inspectors presented the Inservice inspection results to J. Ohotto, General Manager Nuclear Fleet Operations, and other members of the licensee staff.
- On October 14, 2020, the inspectors presented the radiation protection baseline inspection results to Mr. C. Domingos, Acting Site Vice President, and other members of the licensee staff.
- On December 2, 2020, the inspectors presented the IP 71114.04 Exit Meeting inspection results to Mr. B. Carberry, Xcel Emergency Preparedness Manager, and other members of the licensee staff.
- On December 16, 2020, the inspectors presented the Annual Licensed Operator Requalification Examination Results inspection results to Mr. S. Sarrasin, Licensed Operator Requalification Training Lead, and other members of the licensee staff.

- On January 7, 2021, the inspectors presented the Exit Meeting inspection results to Mr. C. Domingos, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Corrective Action Documents Resulting from Inspection	AR 501000047958	Surface Water Corrosion on 21 Clg Water Strainer	01/22/2021
	Drawings	NF-39245-1	Flow Diagram Component Cooling Systems, Unit 1	
71111.05	Fire Plans	Fire Detection Zone 35	Fire Detection Zone 35: F5 Appendix A	30
	Procedures	F5	Fire Hazard Analysis: Appendix FI (Fire Area 31)	36
		F5	Appendix A5-A: Elevation 695'	43
		F5 Appendix A	Fire Detection Zone 97	46
71111.07A	Corrective Action Documents	AR 501000036554	NOS: KB3 Installed Without Thread Engagement	01/14/2020
		AR 501000036567	Excessive Leakage During TP 1687	01/16/2020
		AR 501000036690	Surface Rust on Base Plate	03/04/2020
		AR 501000037537	Non-Qualified Parts Installed in 121 CR Chiller	02/11/2020
		AR 501000047029	ZN-02 Frequency Different than Maintenance Rule	01/15/2020
	Corrective Action Documents Resulting from Inspection	AR 501000047029	Maintenance Rule Functions Not Updated Post Maintenance Rule Evaluation Panel	12/11/2020
	Work Orders	WO 700057576	122 Control Room Chiller Inspection (PM3138-3)	02/16/2020
71111.08P	Corrective Action Documents	QIM 501000017687	1R31 SP 1392 Unit 1 Insulated Bolted Connection Inspection Pressure Test	10/06/2018
		QIM 501000018751	Leakage Identified by Pressure Test SP 1168.13 Safety Injection System Pressure Test	11/05/2018
		QIM 501000018755	1R31, SP 1168.10 RHR System Pressure Test	11/05/2018
		QIM	1R31 SP 1168.16 Pressure Test ISI	11/05/2018

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		501000019097		
		QIM 501000019994	Condition Evaluation Leak 1FT-411- Coolant Loop A Flow Transmitter	01/02/2019
		QIM 501000020187	ISI Indications SP 1168.16 Pressure Test	01/02/2019
		QIM 501000034635	Condition Evaluation Active Fitting Leak 1PT-124	01/02/2019
		QIM 501000036454	Cooling Water Thru-Wall Drip 3-CL-88	09/08/2020
	Corrective Action Documents Resulting from Inspection	QIM 501000044218	1R32 NRC ISI Inspection 2020 Item	09/18/2020
		QIM 501000044883	1R32 ISI RI-ISI Program N-716-1	09/30/2020
	Miscellaneous		Weld Control Record, (WO 700008169-0180) Welds 1 and 2	12/08/2017
			WPS B31-P1P1-GTSM-001	5
			PQR PBNP-WP-6	0
			PQR KNPP-GMP 102-311-GS-PQR	0
			PQR PAL-SM-1-1(1)	0
			Weld Control Record (WO 700057958-0010), Welds 1 and 3	10/11/2019
			Personnel Certification Statement- MT/PT/UT/VT Level II; A Franck	08/11/2020
			Personnel Certification Statement- MT/PT/UT/VT Level II; C Pearson	05/26/2020
	NDE Reports	2004P033	Liquid Penetrant Examination- Integral Attachment H-1/1A, RCP-11	09/25/2020
		2018U001	FW Elbow-Pipe Weld W-4	10/03/2018
		2018U014	FW Pipe to Elbow Weld 3	10/02/2018
		2020P003	Liquid Penetrant Examination- Integral Attachment H-12, AFW	09/28/2020
		2020V027	Visual Examination of Pipe Hanger, Support or Restraint (VT-3), H-1, SI	09/24/2020
		2020V028	Visual Examination of Pipe Hanger, Support or Restraint	09/24/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
			(VT-3), H-2, SI		
		2020V029	Visual Examination of Pipe Hanger, Support or Restraint (VT-3), H-4, SI	09/24/2020	
		2020V046	Visual Examination of Pipe Hanger, Support or Restraint (VT-3), H-12, AFW	09/26/2020	
		BOP-MT-19-01	Magnetic Particle Examination- Welds I & 6	10/18/2019	
		BOP-PT-19-014	Liquid Penetrant Examination- Welds 2,3,4,5,7,8,9	10/07/2019	
		BOP-UT-20-006	UT Calibration/Examination- 6-RC-13B, W10	09/25/2020	
		OP-VT-17-034	Visual Examination: System Leakage (VT-2) - DI Air Coolant, Jacket Coolant, and Lube Oil Cooler	12/18/2017	
		OP-VT-19-022	Visual Examination: System Leakage (VT-2) - 4-CL-90, 4-CL-23, CL-115-2, CL-113-2	10/18/2019	
	Procedures	FP-PE-FAC-01	FAC Program	17	
		FP-PE-FAC-02	Layout and Marking of Piping and Components for Flow Accelerated Corrosion Program	4	
		FP-PE-NDE-200	Solvent Removable Visible Dye Penetrant Examination	2	
		FP-PE-NDE-402	Ultrasonic Examination of Austenitic Pipe Welds - Supplement 2	7	
		FP-PE-NDE-530	Visual Examination, VT-3	10	
		H.2	Boric Acid Corrosion Control Program,	28	
		H10.7	Fifth Interval Inservice Inspection (ISI) Plan	7	
		H10.7.1	ISI Component Schedule	4	
	Work Orders	70008169-0180	Perform Weld Build-up Machining on DI Floating Channel Heads	12/08/2017	
		700057958-0010	Replace Valves CL-113-2, CL-115-2 and Piping	10/11/2019	
	71111.12	Procedures	PM 3001-2-D1	D1 Diesel Generator Inspection (034-011)	41
		Work Orders	WO 700058618-0010	Replace Jumper Gaskets and Seals	4
	71111.15	Calculations	CN-CRA-11-17	Steam Generator Tube Rupture Margin to Overfill Analysis for Prairie Island Units 1 and 2 to Support the Alternate Source Term Submittal	05/26/2011
NSPM Calculation (DOC) No. CN-			Prairie Island SGTR Hand Calculation for Input to Alternate Source Term Dose Analysis	0	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		CRA-09-32		
		NSPM Calculation (Doc) No. ENG-EE-166	Unit 1 480VAC Safeguards Bus Temperature Limitations	06/28/2018
	Corrective Action Documents	AR 501000046983	Bus 112 Room Temperature	12/08/2020
	Miscellaneous	L-PI-09-114 (10 CFR 50.90)	License Amendment Request (LAR) to Adopt the Alternate Source Term Methodology	10/27/2009
		PINGP Calculation (GEN-PI-081)	EAB, LPZ, and CR Doses Due to Steam Generator Tube Rupture Accident – AST	07/25/2019
		TAC Nos. ME2609 and ME2610	Prairie Island Nuclear Generating Plant, Units 1 and 2 - Issuance of Amendments Re: Adoption of Alternate Source Term Methodology	01/22/2013
	Procedures	C18.1	Engineered Safeguards Equipment Support Systems: (Battery Room Cooling and Ventilation)	59
		EOP 1E	Steam Generator Tube Rupture	25
71111.18	Corrective Action Documents	AR 501000047167	Sump B Temp Mod Pump Needs to be Replaced	12/16/2020
	Engineering Changes	AR 601000002790	Install Unit 1 Sump B Pump Down TMod	12/23/2020
71111.19	Procedures	WO 700041908-0010	D1 Diesel Generator Install Gasketless Injector Nozzles	2
71111.22	Procedures	SP 1088B	Train B Safety Injection Quarterly Test	32
71114.04	Miscellaneous	PI-2019-663	Changes to EAL Technical Basis	11/14/2019
		PI-2019-680	10 CFR 50.54(q) Review Form	11/14/2019
71114.06	Miscellaneous		EP Performance Records	09/02/2020
71124.01	Corrective Action Documents	501000032260	Boundary Controls for HRAs	09/24/2019
		501000033781	Elevated Dose Rates SFP Skimmer Filters	10/22/2019
		501000044384	1R32 - Worker Exited RCA Out of Process	09/21/2020
		501000045075	Level 2 PCE 1R32 #1	10/04/2020
	Miscellaneous		Technical Basis Document 20-002; Source Checks in the Field for Reducing Radiation Survey Frequency.	04/07/2020
			Prairie Island Plant Alpha Characterization Study	09/21/2020

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			2020 National Source Tracking System Annual Reconciliation	01/02/2020
	Procedures	FP-RP-NISP-05	Access Controls for High Radiation Areas	3
		FP-RP-NISP-07	Control of Radioactive Material	2
		FP-RP-SEN-02	Radiological Work Planning and Controls	10
	Radiation Surveys	M-202001002-17	Down Post Sump C from VHRA	10/02/2020
		PI-M-20161108-2	1R30 Rx Head Set	11/08/2016
		PI-M-2018-1013-5	1R31 Rx Head Set	10/13/2018
		PI-M-20191022-9	Area Around SFP Skimmer Filter and Pump	10/22/2019
	Radiation Work Permits (RWPs)	201031	1R32 Sump C	0
	Self-Assessments		Self-Assessment for the NRC Inspection Procedure 71124.01	Undated
		Nuclear Oversight Audit Report - 2020 Radiation Protection/Radiological Environmental Monitoring Program/Radwaste Shipping	09/11/2020	
71124.04	Miscellaneous		Declared Pregnant Worker Dose Assessment	10/10/2019
			Declared Pregnant Worker Dose Assessment	03/05/2020
			Declared Pregnant Worker Dose Assessment	04/01/2020
	Radiation Work Permits (RWPs)	2000059	Dose Restricted Individuals	00
71151	Miscellaneous		Electronic Dosimetry Alarm Logs 10/01/2019 Through 09/30/20	Various
			Chemistry Radiochemistry Data for Units 1 and 2 for DEI from 10/01/2019 Through 09/30/2020.	
			Alert and Notification System Reliability Performance Indicator Records	07/01/2019 - 09/30/2020
			Emergency Response Organization Drill Participation Performance Indicator Records	06/30/2019 - 09/30/2020
			Drill and Exercise Performance - Performance Indicator Records	06/30/2019 - 09/30/2020
71152	Corrective Action Documents	AR 501000016276	OE: PVNGS ADV Failed to Open. Faulty I/P	08/29/2018

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		AR 501000018617	B SG PORV Not Opening	10/15/2018
		AR 501000039193	Manufacturing Defect Found in Failed I/P	03/27/2020
		AR 501000039400	Inadequate Screening of CAP 501000018617	04/03/2020
		AR 501000043177	Potential Trend: Incorrect PMT Activities	08/13/2020
	Corrective Action Documents Resulting from Inspection	AR 501000045858	Bus 16 Logic Relay Cabinet Missing Fasteners	10/27/2020
		AR 501000047218	Maintenance Rule Basis Document Scoping	12/18/2020