



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

August 16, 2019

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

SUBJECT: ERRATA—PRAIRIE ISLAND NUCLEAR GENERATING PLANT—INTEGRATED
INSPECTION REPORT 05000282/2019002; 05000306/2019002; AND
07200010/2019001

Dear Mr. Sharp:

The NRC identified that the inspection report sent to you dated August 2, 2019 (ML 19214A181) inadvertently omitted three inspection observations from the report and failed to reference the Independent Spent Fuel Storage Installation Inspection Report number 07200010/2019001. As a result, the NRC has reissued the report in its entirety with the updated subject. None of these changes affected the technical content of the report.

On June 30, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Prairie Island Nuclear Generating Plant. On July 2, 2019, 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.

The NRC inspectors did not identify any finding or violation of more than minor significance.

S. Sharp

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This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 05000282; 05000306; and
07200010/2019001
License Nos. DPR-42 and DPR-60

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter for Scott Sharp from Hironori Peterson dated August 19, 2019.

SUBJECT: ERRATA—PRAIRIE ISLAND NUCLEAR GENERATING PLANT—INTEGRATED INSPECTION REPORT 05000282/2019002; 05000306/2019002; AND 07200010/2019001

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

Docket Numbers: 05000282; 05000306; and 07200010/2019001

License Numbers: DPR-42 and DPR-60

Report Numbers: 05000282/2019002; 05000306/2019002 and 0720010/2019001

Enterprise Identifier: I-2019-002-0057 and I-2019-001-0141

Licensee: Northern States Power Company, Minnesota

Facility: Prairie Island Nuclear Generating Plant

Location: Welch, Minnesota

Inspection Dates: April 01, 2019 to June 30, 2019

Inspectors: S. Bell, Health Physicist
M. Garza, Emergency Preparedness Inspector
L. Haeg, Senior Resident Inspector
M. Learn, Reactor Engineer
V. Myers, Senior Health Physicist
K. Pusateri, Resident Inspector

Approved By: Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

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

Type	Issue Number	Title	Report Section	Status
URI	05000282,05000306/2 018002-01	Results of ISFSI Cask Array Dose Calculation Not Incorporated into FSAR	60855.1	Closed

PLANT STATUS

Prairie Island Unit 1 operated at full power for the entirety of the inspection period, with the exception of 1) a power reduction to 40 percent power on April 27, 2019, to address elevated bearing vibrations on the #11 feedwater pump. Unit 1 was returned to 100 percent power on May 1, 2019; and 2) a power reduction to 75 percent power on June 4, 2019 for a flexible power operation demonstration.

Prairie Island Unit 2 operated at full power for the entirety of the inspection period, with the exception of a brief down power on May 28, 2019, to support main generator capability testing.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed plant status activities described in IMC 2515 Appendix D, "Plant Status" and conducted routine reviews using IP 71152, "Problem Identification and Resolution." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

Impending Severe Weather Sample (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated readiness for impending adverse weather conditions for heavy snowfall on April 10, 2019

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) #12 residual heat removal subsystem on May 10, 2019
- (2) #11 and #12 auxiliary feed water pumps on April 25, 2019

71111.04S - Equipment Alignment

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

- (1) The inspectors evaluated system configurations during a complete walkdown of fire protection systems in the plant greenhouse on June 19, 2019

71111.05A - Fire Protection (Annual)

Annual Inspection (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated fire brigade performance in response to smoke detected in the 121 motor-driven fire pump room on May 28, 2019

71111.05Q - Fire Protection

Quarterly Inspection (IP Section 03.01) (4 Samples)

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

- (1) Fire zones 3, 11 and 12; feedwater pump area on May 8, 2019
- (2) Fire zone 75; screenhouse 695' elevation on May 24, 2019
- (3) Fire zone 2; auxiliary feedwater pump room on May 23, 2019
- (4) Fire zone 74; screenhouse 670' elevation on June 18, 2019

71111.06 - Flood Protection Measures

Inspection Activities - Internal Flooding (IP Section 02.02a.) (1 Sample)

The inspectors evaluated internal flooding mitigation protections in the:

- (1) D1 and D2 emergency diesel generator rooms on May 28, 2019

Inspection Activities - Underground Cables (IP Section 02.02c.) (1 Sample)

The inspectors evaluated cable submergence protection in:

- (1) 121 motor-driven fire pump room on May 29, 2019

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 main control room during Unit 1 power capability testing on April 3, 2019

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

- (1) The inspectors observed and evaluated an operator requalification session in the simulator on May 10, 2019

71111.12 - Maintenance Effectiveness

Routine Maintenance Effectiveness Inspection (IP Section 02.01) (3 Samples)

The inspectors evaluated the effectiveness of routine maintenance activities associated with the following equipment and/or safety significant functions:

- (1) Unit 2 safety injection system on April 4, 2019
- (2) 121 motor-driven cooling water pump April 2, 2019
- (3) 11 feed water pump on May 1, 2019

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (5 Samples)

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

- (1) AR 501000026841; Unit 1 Feedwater System Trouble Alarm on May 4, 2019
- (2) AR 501000024929; Breaker 1H3 Tripped Open Due to Ground Fault on April 3, 2019
- (3) AR 501000026173; 11 Feedwater Elevated Vibrations on April 29, 2019
- (4) AR 501000025118; 13 Charging Pump Out of Service on April 6, 2019
- (5) AR 501000028641; Received OPdT Rod Stop/Runback Channel Alert on June 19, 2019

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 02.02) (4 Samples)

The inspectors evaluated the following operability determinations and functionality assessments:

- (1) AR 501000026842; 4-CL-90 Cooling Water Pipe Leak on May 8, 2019
- (2) AR 501000027295; 125 VDC Battery Float Alarms on May 13, 2019
- (3) AR 501000027333; TD-6-33 Steam Leak on May 17, 2019
- (4) AR 501000027988; 22 Containment Spray Pump Seal Leakage on May 31, 2019

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) Temporary modification to address through wall leak on 4-CL-90 (cooling water supply piping to 12 auxiliary feedwater pump) on May 4, 2019

71111.19 - Post-Maintenance Testing

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

The inspectors evaluated the following post maintenance tests:

- (1) 121 motor-driven cooling water pump following pump replacement on May 30, 2019
- (2) 22 containment spray pump pressure test on May 31, 2019
- (3) 12 residual heat removal system on June 20, 2019

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) SP 1106C; 121 Cooling Water Pump Quarterly Test on April 5, 2019

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

- (1) SP 2001AA; Reactor Coolant System Leakage Test on May 3, 2019

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

- (1) SP 2307; D6 Diesel Generator 6-month Fast Start Test on April 22, 2019
- (2) SP 1106B; 22 Diesel Driven Cooling Water Pump Monthly Test on April 5, 2019

71114.02 - Alert and Notification System Testing

Inspection Review (IP Section 02.01-02.04) (1 Sample)

- (1) The inspectors evaluated the following maintenance and testing of the alert and notification system:
 - Prairie Island Annual Siren Maintenance 2017
 - Prairie Island Annual Siren Maintenance 2018

71114.03 - Emergency Response Organization Staffing and Augmentation System

Inspection Review (IP Section 02.01-02.02) (1 Sample)

- (1) The inspectors evaluated the readiness of the Emergency Response Organization

71114.05 - Maintenance of Emergency Preparedness

Inspection Review (IP Section 02.01 - 02.11) (1 Sample)

- (1) The inspectors evaluated the maintenance of the emergency preparedness program

71114.06 - Drill Evaluation

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

The inspectors evaluated:

- (1) a licensed operator simulator scenario involving Drill and Exercise Performance Indicator opportunities on May 29, 2019

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

The inspectors evaluated:

- (1) an emergency preparedness drill on April 10, 2019

RADIATION SAFETY

71124.05 - Radiation Monitoring Instrumentation

Calibration and Testing Program (IP Section 02.02) (1 Sample)

The inspectors evaluated the calibration and testing program implementation.

- (1) Alarm Setpoint and Calibration Method Check of Personnel Contamination Monitors, Portal Monitors and Small Article Monitors
 - Rados Two Step Personnel Contamination Monitor Serial Number 479903
 - Eberline PM-7 Portal Monitor Serial Number PM594

Failure to Meet Calibration or Source Check Acceptance Criteria

- Microrem survey instrument Serial Number 566362
- Air sampler mass flow meter Serial Number 476405
- Telepole survey instrument Serial Number 580336

Walk Downs and Observations (IP Section 02.01) (1 Sample)

The inspectors evaluated radiation monitoring instrumentation during plant walkdowns.

- (1) Portable Survey Instruments
 - Ludlum Model 177 Serial Number 478529
 - Ludlum Model 177 Serial Number 478524
 - MG Telepole Serial Number 6612-134
 - Eberline Model AMS4 Serial Number 1726
 - Ludlum Model 9-3 Serial Number 298975

Source Check Demonstration

- Minirad Model 3500
- Ludlum Model 9-3
- Ludlum Model 177

Area Radiation Monitors and Continuous Air Monitors

- Eberline AMS4 Continuous Air Monitor Serial Number 1726
- Eberline AMS4 Continuous Air Monitor Serial Number 537454
- R29 Area Radiation Monitor
- 1R57 Area Radiation Monitor
- R4 Area Radiation Monitor

Personnel Contamination Monitors, Portal Monitors and Small Article Monitors

- Rados Model Two Step Serial Number 479903
- Eberline SAM-11 Small Article Monitor Serial Number 309741
- Eberline PM-7 Portal Monitor Serial Number 479831

71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

Calibration and Testing Program (Process & Effluent Monitors) (IP Section 02.02) (1 Sample)

The inspectors reviewed the following gaseous and liquid effluent monitor instrument calibrations and tests:

- (1)
 - RE-18, Liquid Effluent Radiation Monitor
 - 2R-37, Unit 2 Auxiliary Building Vent Gas Monitor

Dose Calculations (IP Section 02.05) (1 Sample)

The inspectors reviewed the following to assess public dose:

- (1) Liquid and gaseous discharge permits to evaluate public dose calculations:
 - PIGB2018-209, Steam Release
 - PILB2019-016, Liquid Batch Tanks
 - PIGC2018-215; Unit 1 Shield Building Vent

Annual radiological effluent release reports:

- 2017 Annual Effluent Release Report
- 2018 Annual Effluent Release Report

Abnormal gaseous or liquid tank discharges:

- 122 Waste Gas Compressor Moisture Separator Weld Leak, 2017

Instrumentation and Equipment (IP Section 02.04) (1 Sample)

The inspectors reviewed the following radioactive effluent discharge system surveillance test results:

- (1) Unit 1 Auxiliary Building Special Ventilation System

Sampling and Analysis (IP Section 02.03) (1 Sample)

The inspectors reviewed the following:

- (1) Radioactive effluent sampling and analysis activities:

- Aerated Drains Treatment Tank Liquid Discharges
- Auxiliary Building Gaseous Discharges
- Shield Building Gaseous Discharges

Effluent discharges made with inoperable effluent monitors:

- None Available

Walk Downs and Observations (IP Section 02.01) (1 Sample)

The inspectors walked down the following gaseous and liquid radioactive effluent monitoring and filtered ventilation systems to assess the material condition and verify proper alignment according to plant design:

- (1)
 - 2R-22, Unit 2 Shield Building Vent Gas Monitor
 - 2R-37, Unit 2 Auxillary Building Vent Gas Monitor A
 - 1R-19, Unit 1 Steam Generator Blowdown Monitor
 - R-18, Waste Disposal System Liquid Effluent Monitor
 - Auxiliary Building Special Ventilation System

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) April 1, 2018 through March 31, 2019

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

- (1) April 1, 2018 through March 31, 2019

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

- (1) April 1, 2018 through March 31, 2019

MS07: High Pressure Injection Systems (IP Section 02.06) (2 Samples)

- (1) Unit 1 (April 1, 2018 through March 31, 2019)
- (2) Unit 2 (April 1, 2018 through March 31, 2019)

MS08: Heat Removal Systems (IP Section 02.07) (2 Samples)

- (1) Unit 1 (April 1, 2018 through March 31, 2019)
- (2) Unit 2 (April 1, 2018 through March 31, 2019)

71152 - Problem Identification and Resolution

Annual Followup of Selected Issues (IP Section 02.03) (1 Sample)

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

- (1) Implementation of adverse condition monitoring program

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

- (1) The inspectors reviewed the corrective action program for potential adverse trends in licensee's 10 CFR 50.65(a)(4) (online risk management) program on April 29, 2019

71153 – Followup of Events and Notices of Enforcement Discretion

Personnel Performance (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated control room personnel performance following a 121 motor-driven fire pump electrical fault on May 28, 2019

Reporting (IP Section 03.05) (1 Sample)

- (1) Prairie Island Event Notification 53853 and subsequent retraction on May 15, 2019

OTHER ACTIVITIES – TEMPORARY INSTRUCTIONS, INFREQUENT AND ABNORMAL

60855.1 - Operation of an Independent Spent Fuel Storage Installation at Operating Plants

Operation of an Independent Spent Fuel Storage Installation at Operating Plants (1 Partial)

- (1) (Partial)

The inspectors closed Unresolved Item 05000282/2018002-01; 05000306/2018002-01, "Results of ISFSI Cask Array Dose Calculation Not Incorporated into FSAR." The details of this review are documented in the inspection results below. No findings or violations were identified.

INSPECTION RESULTS

Observation: Aggregate review of Adverse Condition Monitoring Program	71152
The inspectors reviewed, in aggregate, plant issues being monitored as part of the licensee's adverse condition monitoring program. This included a review of programmatic requirements and processes, as well as discussions with engineering and operations personnel to determine whether active adverse conditions, in aggregate, were manageable. The inspectors also reviewed whether the licensee was appropriately monitoring adverse conditions by establishing criteria or set points for which further evaluation or action was designated. The inspectors determined, overall, that the licensee was effectively managing adverse conditions and no concerns were identified as part of this review.	

Observation: Review of 10 CFR 50.65 (a)(4) online risk management program	71152
<p>The inspectors reviewed licensee procedures and processes, and interviewed knowledgeable licensee personnel regarding the station's implementation of their online risk management program. In particular, the inspectors questioned the licensee's bases for determining whether equipment remained available or unavailable with respect to online risk and work management following certain emergent issues during the inspection period. For a few instances where the licensee determined equipment to be available due to the ability to "start", the inspectors questioned whether consideration was given as to the ability for the equipment to continue to perform its function for any particular amount of time. In some instances, based on discussions with the inspectors, the licensee revisited their availability bases and modified the online risk model to reflect unavailability and/or implemented measures to minimize any impact to overall online risk. Based on these revisions, the licensee initiated changes to how availability bases decisions were documented in operator logs, and also improved interactions with licensee risk analysts when complicated availability questions arose going forward.</p>	

Observation: Prairie Island Event Notification 53853 and retraction	71153
<p>The inspectors reviewed Prairie Island Event Notification 53853 submitted on January 1, 2019, as well as the retraction of this EN made on March 22, 2019. The EN was submitted due to both Unit 2 emergency diesel generators being briefly declared inoperable during extreme cold temperatures on January 31, 2019. Following the period of inoperability for D5 & D6, the licensee performed calculations to show that based on the short duration of the low temperatures, the actual lowest temperature that the equipment would have been exposed would not have been lower than the operability limit. Therefore, the EDGs remained operable for this issue and a retraction to the Event Notification was made. The inspectors reviewed the calculations, held discussions with engineering personnel, and determined that the basis for the retraction was reasonable.</p>	

Unresolved Item (Closed)	Results of ISFSI Cask Array Dose Calculation Not Incorporated into FSAR 05000282,05000306/2018002-01	60855.1
<p>Description: In Unresolved Item 05000282/2018002-01; 05000306/2018002-01, the inspectors documented an item of concern associated with the licensee's updating of their independent spent fuel storage installation (ISFSI) Final Safety Analysis Report (FSAR). Specifically, the inspectors questioned whether or not the licensee is required to update the ISFSI FSAR with the offsite dose results of calculation TN40HT-0502 for an array of casks in accordance with 10 CFR 72.70.</p> <p>To address this unresolved item, the inspectors reviewed correspondence between the licensee and the NRC and interviewed a member of the licensee's staff. The inspectors reviewed whether calculation TN40HT-0502 was submitted to the NRC by the licensee since the submission of the original FSAR. The inspectors determined that the licensee never submitted calculation TN40HT-0502 to the NRC. Further, the inspectors confirmed that the ISFSI FSAR contained the results of a separate offsite dose analysis that was representative of the conditions at the Prairie Island ISFSI.</p> <p>Since calculation TN40HT-0502 was never submitted to the NRC, and the FSAR already contains results of offsite dose analysis that is representative of the conditions at the Prairie Island ISFSI, the inspectors determined that the licensee was not required to update the ISFSI FSAR with the results of calculation TN40HT-0502 in accordance with 10 CFR 72.70.</p>		

EXIT MEETINGS AND DEBRIEFS

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

- On July 2, 2019, the inspectors presented the integrated inspection results to Mr. S. Sharp and other members of the licensee staff.
- On May 2, 2019, the inspectors presented the Emergency Preparedness Baseline Inspection/Performance Indicator Verification exit meeting to Ms. D. Wilson, Director of Site Performance and other members of the licensee staff.
- On June 20, 2019, the inspectors presented the radiation protection baseline inspection results to Ms. D. Wilson, Director Site Performance and Operations Support, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Drawings	NF-39222	Flow Diagram Feedwater and Auxiliary Feedwater Unit 1	05/04/2007
71111.04S	Drawings	NF-39228-1	Fire Protection & Screen Wash System	95
71111.05A	Corrective Action Documents	AR 501000027914	Received Multiple Unexpected Alarms	05/29/2019
71111.05Q	Procedures	F5 Appendix F	Fire Area 32; Fire Hazard Analysis	36
		Fire Detection Zone 2	Auxiliary Feedwater Pump Rooms, Elevation 695'	48
		Fire Detection Zone 74	Screenhouse Ground Floor, Elevation 670'	34
		Fire Detection Zone 75	Screenhouse Operating Floor Elevation 695'	44
71111.06	Calculations	PI-S-027	Internal Flooding Evaluation of D5/D6 Area	05/21/1999
	Corrective Action Documents	AR 501000027900	Water Intrusion and Short Damage	05/28/2019
	Procedures	H65.2.21	Inaccessible Medium and Low Voltage Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements Aging Management Program	2
		PINGP 1732	Cable Condition Monitoring Cable Inspection	1
71111.11Q	Miscellaneous	None	Prairie Island Nuclear Generating Plant Emergency Plan Drill	04/10/2019
		SEG# P9118ST-0903	Cycle 181 SIM Session #3	0
	Procedures	SP 1282	U1 MOD-025 Verification and Data Reporting of Generator Real and Reactive Power Capabilities (NERC)	0
71111.12	Corrective Action Documents	AR 501000023356	121 Fltr Water Strainer Packing Leak	02/20/2019
		AR 501000024769	121 MDCLP: Broken Bearing Water Line	03/28/2019
		AR 501000024793	121 MDCLP Driver Stand Baseplate UT Data	03/28/2019
		AR 501000024856	121 CLP Motor Uncoupled Run Vibrations	03/31/2019
		AR 501000024877	121 MDCLP Shaft Seal High Temp and Low Flow	03/29/2019
		AR 501000024886	121 MDCLP Issues During Pump Test	03/29/2019
		AR 501000024890	121 MDCLP Motor Lwr Bearing .008" Axial	03/30/2019
	AR 501000024992	Roll UP Cap for 121 MDCLP	04/02/2019	
Work Orders	WO# 700047563	121 Cooling Water Pump Baseline Test	0	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.13	Corrective Action Documents	AR 501000026173	11 Feed Water Pump Inboard Brg Vibes Rising	04/23/2019
		AR 501000026594	Thermal Fatigue Failure Risk CV-31040	04/30/2019
		AR 501000026841	U1 Feedwater System Trouble Alarm ROC	05/04/2019
		AR 501000028641	Received OPdT Rod Stop/RB Channel Alert	06/19/2019
		AR 501000028971	Potential U1 RCS Flow Anomaly	06/25/2019
		AR 501000029445	Decision Making for UT Inspection	07/11/2019
		AR 501000029454	Need for Improved Risk Recognition	07/11/2019
	Miscellaneous	PI_PROD2_5.3_20190225	Current Risk Summary Report as of 03/31/2019 21:40	03/31/2019
	Procedures	1C1.4 AOP1	Rapid Power Reduction Unit 1	15
		C18.1	Engineered Safeguards Equipment Support Systems	53
IC28.2		Unit 1 Feedwater System	46	
71111.15	Corrective Action Documents	AR 501000026842	4 CL-90 Pipe Line Cooling Water Drip	05/04/2019
		AR 501000027295	125 VDC 12 Battery Float ERCS Alarms	05/12/2019
		AR 501000027333	TD-6-33 Steam Leak	05/13/2019
		AR 501000027988	22 CS Pump Mechanical Seal Leakage	05/31/2019
		AR 501000028736	Re-Evaluate Clamp on 4-CL-90	06/19/2019
	Corrective Action Documents Resulting from Inspection	AR 501000028092	Dry Yellow Material on 22 CS Pump Cooler	06/03/2019
	Drawings	NF-39237	Flow Diagra Containment Internal Spray System Units 1 and 2	07/11/2007
		PT 62160817	Seal Piping	0
	Miscellaneous	FP-OP-ACM-01	22 CS Pump Mechanical Seal Leak Rate - Unit 2	05/31/2019
		FP-PA-HU-05	Type 1 Operational Decision Making Evaluation Checklist 22 Containment Spray Pump Mechanical Seal	05/31/2019
71111.22	Corrective Action Documents	AR 501000026726	U2 RCS Leakrate Exceeds H60 Action Level 2	05/03/2019
	Procedures	SP 1106C	121 Cooling Water Pump Quarterly Test	50
		SP 2307	D6 Diesel Generator 6-Month Fast Start Test	43
	Work Orders	WO 700046796	SP 2307 D6 6-Month Fast Start Test	04/16/2019

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.02	Corrective Action Documents	QIM501000013992	SP1397 Weekly Siren Testing	
		QIM501000014787	SP1397 Weekly Siren Testing	
	Miscellaneous		Alert and Notification System Design Report	4
			PINGP Annual Alert and Notification Review Report 2018	01/09/2019
		Prairie Island Siren Maintenance Checklists from 2017 and 2018		
71114.03	Corrective Action Documents	QIM501000005853	Issue And Failure to Respond to Aug Test	
		QIM501000014183	SEC Issues During Simulator Session	
	Procedures	F3-1.1	On-shift Staffing Analysis Report	3A
		SP 1744	Semi-Annual Emergency Organization Augmentation Response Drill	44
	Work Orders	WO700026217	SP 1744 Emergency Organization Augmentation Response Test	
		WO700044381	SP 1744 Emergency Organization Augmentation Response Test	
71114.05	Corrective Action Documents	AR603000001473	EP Critique Report	
		AR603000001686	EP Critique Report	
		AR603000001793	EP Critique Report	
		AR603000001794	EP Critique Report	
		AR603000002777	EP Critique Report	
		AR603000003000	EP Critique Report	
		AR606000000729	Emergency Plan NRC Baseline Inspection Readiness	
		AR606000000861	EP Critique Report	
		QIM501000004321	SPC-EP-114 EOP Setpoint Changes	
		QIM501000008126	NOS: Fleet EP Surveillance Management	
		QIM501000008132	NOS: Inconsistent PASS Drill Frequency	
		QIM501000008135	NOS: EP Consult Omission on EC	
		QIM501000008182	NOS: May 2017 Drill Report Lacks 9.09 Obj	
		QIM501000008275	NOS IRMA: EP Objective Administration and Tracking	
QIM501000008277	NOS Semiannual HP Drills			

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Miscellaneous		Prairie Island Nuclear Generating Plant Emergency Plan	56
	Self-Assessments		Focused Self-Assessment Plan and Report EP Program Assessment 12/10/2018 – 01/19/2019	
		A-EP-PINGP-2018-1	2018 Nuclear Oversight PINGP Emergency Preparedness Audit	03/09/2018
		A-EP-PINGP-2019-1	2019 Nuclear Oversight Audit of Prairie Island Emergency Preparedness	03/07/2019
71124.05	Calculations		2018 Prairie Island Radiological Isotopic Mixture Evaluation	08/01/2018
	Calibration Records		Canberra Fastscan Whole Body Counter (WBC)	08/16/2018
			JL Shepherd Irradiator Calibration	12/4/2018
			AMS-4 Calibration Data Sheet for SN 0351	03/28/2019
			Eberline PCM-1B Calibration Data Sheet For SN 293283	08/07/2018
			Portal Monitor Calibration Data Sheet For SN 514991	01/16/2019
			SAM-11 Calibration Data Sheet For SN 538530	08/07/2018
			AMP-100 Calibration Data Sheet For SN 5013-044	03/04/2019
		4084.01	Certificate Of Calibration For ASP-1 SN 1565	05/08/2019
	Miscellaneous		Radiochemistry Interlaboratory Comparison Program Data	05/06/2019
			Radiochemistry Interlaboratory Comparison Program Data	12/12/2018
		SSA 606000000562	2018 Prairie Island Isotopic Mix Evaluation	0
	Procedures	RPIP 1531	JL Shepherd Source Calibrator Operation	11
71124.06	Corrective Action Documents	01555235	Incorrect Volume On Gas Marineli	04/10/2017
		501000026917	Radiation Monitoring System Deep Dive Inspection	05/06/2019
	Miscellaneous	1526914	Off-Site Dose Calculation Manual Change Evaluation	10/11/2016
		PIGB2018-209	11 Steam Release Effluent Report	09/23/2018
		PIGC2018-215	Unit 1 Shield Building Vent Continuous Gaseous Release Report	12/05/2018
		PILB2019-106	121 ADT Monitor Tank Liquid Batch Release Report	06/18/2019

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Procedures	SP 1125	Gas Decay Tank Monthly Activity Analysis	39
		SP 1783.1B	Westinghouse Radiation Monitor Electronic Calibration Train B	01/10/2018
		SWI STE-10	Evaluation of Out of Tolerance Calibration Data in Instrumentation and Control Procedures	6
	Work Orders	700006828	18 Month 121 Auxiliary Building Special Ventilation Filter Testing	12/11/2017
		700010175	West Radiation Monitor Train B Calibration	02/17/2018
		700010177	Victoreen Radiation Monitor Calibration	2/16/2018
		700012241	NMC Radiation Monitor Train A Calibration	2/17/2018
71151	Corrective Action Documents	AR501000009426	DEP Failure for Incorrect PAR	
		QIM501000021789	Simulator DEP Failure	
		QIM501000022808	Simulator DEP Failure	
	Miscellaneous		NRC Performance Indicator Data; Emergency Preparedness – Drill/Exercise Performance; 2nd Quarter 2018 – 1st Quarter 2019	
			NRC Performance Indicator Data; Emergency Preparedness – ERO Readiness; 2nd Quarter 2018 – 1st Quarter 2019	
			NRC Performance Indicator Data; Emergency Preparedness – Alert and Notification System Reliability; 2nd Quarter 2018 – 1st Quarter 2019	
71152	Corrective Action Documents	AR 501000025067	13 Charging Pump Speed Controller Flashing	04/04/2019
	Procedures	FG-OP-RSK-01	Configuration Risk Monitor User Guide	2
		FP-OP-RSK-01	Risk Monitoring and Risk Management	9
71153	Corrective Action Documents	AR 501000022572	Unplanned LCO Entry Into T.S. 3.8.1 B & E	01/31/2019
	Procedures	F5 Appendix K	Fire Protection Systems Functional Requirements	28