



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

October 27, 2021

Mr. Thomas Conboy
Site Vice President
Monticello Nuclear Generating Plant
Northern States Power Company, Minnesota
2807 West County Road 75
Monticello, MN 55362-9637

SUBJECT: MONTICELLO NUCLEAR GENERATING PLAN – INTEGRATED INSPECTION
REPORT 05000263/2021003

Dear Mr. Conboy:

On September 30, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Monticello Nuclear Generating Plant. On October 5, 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,

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

Signed by Peterson, Hironori
on 10/27/21

Hironori Peterson, Chief
Branch 3
Division of Reactor Projects

Docket No. 05000263
License No. DPR-22

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Thomas Conboy from Hironori Peterson dated October 27, 2021.

SUBJECT: MONTICELLO NUCLEAR GENERATING PLAN – INTEGRATED INSPECTION
REPORT 05000263/2021003

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

Docket Number: 05000263

License Number: DPR-22

Report Number: 05000263/2021003

Enterprise Identifier: I-2021-003-0097

Licensee: Northern States Power Company, Minnesota

Facility: Monticello Nuclear Generating Plant

Location: Monticello, MN

Inspection Dates: July 1, 2021 to September 30, 2021

Inspectors: C. Norton, Senior Resident Inspector
T. McGowan, Resident Inspector
V. Myers, Senior Health Physicist

Approved By: Hironori Peterson, Chief
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 Monticello 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

Monticello Nuclear Generating Plant began the inspection period at rated thermal power. During this inspection period, due to low Mississippi river flow and level, the licensee made several power adjustments to maintain river appropriation and river effluent temperature within environmental limits. On July 4, 2021, the unit was down powered to 90 percent to maintain average discharge canal temperature within environmental limits. The unit was returned to rated thermal power on July 4, 2021. On July 22, 2021, the unit was down powered to 82 percent to maintain average discharge canal temperature within environmental limits. The unit was returned to rated thermal power on July 22, 2021. On July 24, 2021, the unit was down powered to 82 percent to maintain average discharge canal temperature within environmental limits. The unit was returned to rated thermal power on July 24, 2021. On July 27, 2021, the unit was down powered to 86 percent to maintain river appropriation within environmental limits. The unit was returned to rated thermal power on July 29, 2021. On August 16, 2021, the unit was down powered to 80 percent to maintain river appropriation within environmental limits. The unit was returned to rated thermal power on August 22, 2021. On September 10, 2021, the unit was down powered to 75 percent to perform a control rod sequence exchange. The unit was returned to rated thermal power on September 10, 2021 and remained at or near rated thermal power for the remainder of the inspection period.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/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 (COVID-19), resident and regional 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, increasing the amount of time on-site as local COVID-19 conditions permitted. As part of their on-site activities, resident inspectors conducted plant status activities as described in IMC 2515, Appendix D, "Plant Status," and conducted routine reviews using IP 71152, "Problem Identification and Resolution," 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 a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on-site. The inspections documented below met the objectives and requirements for completion of the IP.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

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

- (1) The inspectors evaluated readiness for seasonal low river level and flow on July 13, 2021.

External Flooding Sample (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated that flood protection barriers, mitigation plans, procedures, and equipment are consistent with the licensee's design requirements and risk analysis assumptions for coping with external flooding on September 28, 2021.

71111.04 - Equipment Alignment

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

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

- (1) Security uninterruptable power supply on July 14, 2021
- (2) Circulating water system during low river level conditions on July 22, 2021
- (3) High pressure coolant injection system steam line drains on July 25, 2021

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (5 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 zone 03-A, Recirc MG set room on September 9, 2021
- (2) Fire zone 13-C, Turbine building 911' elevation east MCC area on September 9, 2021
- (3) Fire zone 31-A, EFT building 1st floor (Division I) on September 10, 2021
- (4) Fire zone 13-B, Reactor feed pump and lube oil reservoir room on September 10, 2021
- (5) Fire zone 05-C, Fuel pool skimmer tank room on September 10, 2021

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

- (1) The inspectors evaluated the onsite fire brigade training and performance during live burn training on September 3, 2021.

71111.06 - Flood Protection Measures

Inspection Activities - Internal Flooding (IP Section 03.01) (1 Sample)

The inspectors evaluated internal flooding mitigation protections in the:

- (1) High pressure coolant injection room on July 21, 2021

Cable Degradation (IP Section 03.02) (1 Sample)

The inspectors evaluated cable submergence protection in:

- (1) Cable vaults: NMH 305, 306, 101, 302, 301, 334, 335, 336, 331, 332, 333, and 310

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 while increasing power from 85 percent to 100 percent on July 23, 2021.

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

- (1) The inspectors observed and evaluated licensed operator requalification training on July 26, 2021.

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) Residual heat removal service water system heat exchanger flow control valve replacement on August 31, 2021
- (2) Emergency service water pipe replacement preparations on September 29, 2021

Aging Management (IP Section 03.03) (1 Sample)

The inspectors evaluated the effectiveness of the aging management program for the following SSCs that did not meet their inspection or test acceptance criteria:

- (1) Residual heat removal service water system flow control valve controller failure during system testing on September 1, 2021

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (9 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) Loss of security intrusion detection and assessment equipment on July 7, 2021
- (2) Isolation of the 'D' 10 125V battery charger on July 13, 2021
- (3) Division 1 emergency diesel generator start and load testing on July 13, 2021
- (4) Actions associated with 12 control rod drive (CRD) pump degradation on July 30, 2021
- (5) Replacement of Division 1 Rosemont analog trip module on August 12, 2021
- (6) Management of secondary containment during reactor building closed cooling water heat exchanger inspection and cleaning on August 24, 2021
- (7) Replacement of Division 1 anticipated transient without SCRAM (ATWS) inverter on August 31, 2021
- (8) Division 2 residual heat removal service water system flow control valve trouble shooting on September 2, 2021
- (9) Loss of hydrogen water chemistry system on September 20, 2021

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) QIM 501000054248, VD-9216B (outside air damper for 'B' control room ventilation train) Actuator Failure on July 22, 2021
- (2) QIM 501000054319, LS-23-90 (high pressure coolant injection turbine inlet high drain pot level) Issue Causes Control Room. Annunciator on July 25, 2021.
- (3) QIM 501000054458, PFDA1 Relay not in Tolerance (12 diesel air start logic) on July 29, 2021
- (4) QIM 501000054707, 12 emergency diesel generator oil leak on August 5, 2021
- (5) QIM 501000054991, P-210/MTR motor (RCIC barometric condenser condensate pump motor) commutator discoloration on August 12, 2021
- (6) QIM 501000055533, ATWS CAB 9-95 trouble on August 27, 2021

71111.19 - Post-Maintenance Testing

Post-Maintenance Test Sample (IP Section 03.01) (1 Sample)

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

- (1) Division 2 residual heat removal service water flow control valve post maintenance testing following valve replacement on September 1, 2021.

71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

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

- (1) 0255-02-III, Standby liquid control quarterly pump and valve tests on August 5, 2021
- (2) 0255-05-1A-1-2, 'B' RHRSW Quarterly Pump and Valve Test on September 1, 2021

FLEX Testing (IP Section 03.02) (1 Sample)

- (1) Portable Diesel Pump Testing (FLEX) on September 16, 2021

RADIATION SAFETY

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation

Permanent Ventilation Systems (IP Section 03.01) (1 Sample)

The inspectors evaluated the configuration of the following permanently installed ventilation systems:

- (1) Reactor building ventilation

71124.05 - Radiation Monitoring Instrumentation

Walkdowns and Observations (IP Section 03.01) (7 Samples)

The inspectors evaluated the following radiation detection instrumentation during plant walkdowns:

- (1) Ludlum model 3030P alpha-beta sample counter located in the count room
- (2) Canberra Tennelec 5 XLB alpha-beta sample counter located in the count room
- (3) Thermo small article monitor at the radiologically controlled area exit
- (4) Eberline SK-1 frisker located in the instrument room
- (5) Fisher RO-20 dose rate meter located in the instrument room
- (6) Canberra ARGOS 5AB personal contamination monitor located at the radiologically controlled area exit
- (7) Canberra iSolo alpha-beta sample counter located in the chemistry lab

71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

Walkdowns and Observations (IP Section 03.01) (3 Samples)

The inspectors evaluated the following radioactive effluent systems during walkdowns:

- (1) Reactor building vent
- (2) Plant stack
- (3) Service water

Sampling and Analysis (IP Section 03.02) (3 Samples)

Inspectors evaluated sampling and analysis for the following discharge paths:

- (1) Plant stack
- (2) Turbine building normal waste sump
- (3) Drywell purge

Dose Calculations (IP Section 03.03) (2 Samples)

The inspectors evaluated the following dose calculations:

- (1) Plant stack releases for the first quarter of 2021
- (2) Drywell purge for April 16-17, 2021

Abnormal Discharges (IP Section 03.04) (1 Sample)

The inspectors evaluated the following abnormal discharges:

- (1) Tritium release from the turbine building normal waste sump identified on April 27, 2021

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

Radioactive Material Storage (IP Section 03.01) (2 Samples)

Inspectors evaluated the licensee's performance in controlling, labelling, and securing radioactive materials for the following areas.

- (1) Rotor storage building
- (2) Warehouse number four

Radioactive Waste System Walkdown (IP Section 03.02) (1 Sample)

The inspectors walked down accessible portions of the following radioactive waste systems and evaluated system configuration and functionality.

- (1) Reactor water cleanup

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

MS06: Emergency AC Power Systems (IP Section 02.05) (1 Sample)

- (1) July 1, 2020 through June 30, 2021

MS07: High Pressure Injection Systems (IP Section 02.06) (1 Sample)

- (1) July 1, 2020 through June 30, 2021

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

- (1) July 1, 2020 through June 30, 2021

BI01: Reactor Coolant System (RCS) Specific Activity Sample (IP Section 02.10) (1 Sample)

- (1) October 01, 2020 through June 30, 2021

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

- (1) October 01, 2020 through June 30, 2021

PR01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual
Radiological Effluent Occurrences (RETS/ODCM) Radiological Effluent Occurrences Sample
(IP Section 02.16) (1 Sample)

- (1) October 01, 2020 through June 30, 2021

71152 - Problem Identification and Resolution

Annual Follow-up of Selected Issues (IP Section 02.03) (3 Samples)

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

- (1) Equipment issues with the reactor water cleanup (RWCU) system that contributed to an uncontrolled locked high radiation area.
- (2) General Electric Hitachi 10 CFR 50.21 notification of security vulnerabilities associated with the GEH NUMAC power range neutron monitoring system (PRNMS) installed at Monticello.
- (3) Assessment of Monticello Nuclear Generating Plant (MNGP) maintenance of flood protection portions of procedure A.6, "Acts of Nature," such that it can support the timely implementation of flood protection activities within the timeframe credited in the updated safety analysis report (USAR.)

INSPECTION RESULTS

<p>Observation: Corrective Actions Associated with General Electric Hitachi 10 CFR Part 21 Communication of Cyber Security Vulnerabilities associated with GEH NUMAC PRNMS</p>	<p>71152</p>
<p>In January of 2021, the licensee identified and informed General Electric Hitachi (GEH) of a potential security vulnerability in the power range neutron monitoring system (PRNMS). GEH issued a 10 CFR Part 21 notification describing how the system as designed and installed allowed unauthorized adjustment of local power range monitors. The licensee entered the issue into its corrective program and determined that the vulnerability was a substantial safety hazard. Corrective actions included hardware, software, and procedure changes. The inspectors verified the corrective actions effectively eliminated the PRNMS security vulnerability. The inspectors identified no violations or findings during this review.</p>	
<p>Observation: Assessment of Monticello Nuclear Generating Plant Maintenance of Flood Protection Portions of Procedure A.6, "Acts of Nature," Such that it can Support the Timely Implementation of Flood Protection Activities Within the Timeframe Credited in the Updated Safety Analysis Report (USAR)</p>	<p>71152</p>
<p>In 2013, the NRC completed an inspection at Monticello Nuclear Generating Plant to independently verify that the licensee's external flood protection walkdown activities were conducted using walkdown methodology endorsed by the U.S. Nuclear Regulatory Commission (NRC). During this inspection, the NRC identified a Yellow finding with substantial safety significance associated with licensee failure to maintain a flood plan to protect the site from external flooding events. Specifically, the licensee failed to maintain flood procedure A.6, "Acts of Nature," such that it could support the timely implementation of flood protection measures within the timeframe stated in the USAR.</p> <p>In 2016, after the licensee had taken corrective actions, the NRC performed a follow up inspection of the design, material condition, and procedures for coping with the design basis probable maximum flood as described in the USAR. The NRC determined that procedure A.6, "Acts of Nature," could support the timely implementation of flood protection measures within the timeframe stated in the USAR. No findings were identified.</p> <p>During this inspection period, the inspectors reviewed licensee maintenance of the flood protection portions of A.6, "Acts of Nature," to ensure that licensee ability for coping with the design basis probable maximum flood had not degraded. The inspectors verified that the material required to implement the flood protection measures of A.6 was well maintained, segregated, labeled, and dedicated exclusively for flood protection. The inspectors reviewed monthly, annual, and five-year surveillances that verified the readiness of the dedicated material. The inspectors confirmed that the security plan adequately supported A.6 implementation. The inspectors ensured that the necessary memoranda of understanding with local law enforcement and local contractors were in place and up to date.</p> <p>The inspectors determined that the licensee has maintained the flood protection portions of procedure A.6, "Acts of Nature," such that it can successfully cope with the design basis probable flood within the timeframe stated in the USAR. The inspectors identified no violations or findings during this review.</p>	

Observation: Equipment issues with the reactor water cleanup (RWCU) system that contributed to an uncontrolled locked high radiation area.	71152
<p>In January 2021, the licensee failed to comply with locked high radiation area (LHRA) requirements while addressing issues encountered during a backwash of the RWCU filter (Green NCV documented in inspection report 05000263/2021002). The inspectors observed that multiple equipment issues contributed to the LHRA event. The inspectors reviewed documents associated with the corrective action program and work management process over the previous three years and conducted interviews with staff familiar with the RWCU backwash system.</p> <p>The inspectors determined that unresolved maintenance issues had existed for over three years, including incorrect valve position indication, malfunctioning valve actuators, and valve leakage. The review also indicated that troubleshooting and maintenance efforts were not effective in correcting underlying issues. In addition, the inspectors found several examples involving scheduled RWCU work that was repeatedly cancelled due to the lower priority of this system.</p> <p>Due to extended RWCU outage times, the licensee recently performed a thorough review of RWCU equipment issues and prioritized maintenance on several components. The licensee planned to conduct at least one more RWCU outage this year to perform further maintenance on the system.</p>	

EXIT MEETINGS AND DEBRIEFS

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

- On October 5, 2021, the inspectors presented the integrated inspection results to Mr. T. Conboy, Site Vice President, and other members of the licensee staff.
- On July 1, 2021, the inspectors presented the radiation protection inspection results to Mr. D. Thurston, Acting Chemistry Manager, and other members of the licensee staff.
- On October 5, 2021, the inspectors presented the radiation protection inspection results to Mr. T. Conboy, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.01	Calculations	140046	External Flooding Protection Features	2B
	Procedures	1478	External Flood Monthly and Annual Surveillance	24
		1478-01	External Flood Five Year Surveillance	4
		A.6	Acts of Nature	63
71111.04	Drawings	NF-85716	Security System Circuit Diagram	79
		NH36249	High Pressure Coolant Injection System	85
	Procedures	A.6	Acts of Nature	63
71111.05	Fire Plans	Strategy A.3-03-A	Fire Zone 3-A, RECIRC MG Set Room	9
		Strategy A.3-05-C	Fire Zone 5-C, Fuel Pool Skimmer Tank Room	6
		Strategy A.3-13-B	Fire Zone 13-B, Rx Feedpump and Lube Oil Reservoir Room	14
		Strategy A.3-13-C	Fire Zone 13-C, Turbine Building 911' Elevation East MCC Area	12
		Strategy A.3-31-A	EFT Building 1st Floor (DIV I)	12
	Procedures	A.3-002	Fire Brigade Organization	17
		A.3-003	Operation of Fire Fighting Equipment	19
		A.3-004	Fire Fighting Procedures and Strategies	8
71111.06	Procedures	DBD-S.01	Reactor Building	6
		DBD-T.08	Internal Flooding	5
	Work Orders	700074741	Inspection of Manholes and Vaults for Water	07/12/2021
71111.11Q	Miscellaneous	RQ-55-99	Manual Initiation of High Pressure Coolant Injection to Maintain Reactor Level	1
	Procedures	2300	Reactivity Adjustments	24
		Ops Man C.2-5	Power Operation	80
71111.12	Procedures	0255-05-11C-2	RHR Service Water System Leakage-Loop B	11
		FP-OP-RSK-01	Risk Monitoring and Risk Management	13
	Work Orders	700052484	12 RHR HX RHRSW Outlet	08/31/2021
71111.13	Corrective Action Documents	501000053835	Loss of Security Power during 0298-02	07/07/2021
		501000054030	Risk Inaccurate on Plant Status Report	07/13/2021
		501000054473	12 CRD Pump Internal Degradation	07/28/2021
		501000054568	12 CRD Post Filter Isolation Valves Leak	07/29/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date	
		501000055693	50 Percent LCO Completion Time Exceeded (Division 2 Residual Heat Removal Service Water)	09/02/2021	
		501000056184	Unexpected Alarm HWC014 HWC H2 High Diff	09/18/2021	
		501000056196	Plant Chemistry Impact of HWC OOS	09/19/2021	
	Drawings	NF-85716	Security System Circuit Diagram	79	
		NF74259	External Connection Diagram ATWS Panel 9-95	E	
		NH-36242	P&ID Vessel Instrumentation Nuclear Boiler System	81	
		NX 16162-1-3	ATWS Elementary Drawing	76	
		NX-1-162-1-8	ATWS Elementary Diagram	78	
		NX-1612-1-5	Elementary Diagram-Recirc Pump Trip System	77	
		NX-16162-5-4	Trip Unit Cabinet 9-95	76	
		NX-7831-93-2	Elementary Diagram Boiler Process Instrumentation	78	
	Procedures	4131-PM	RBCCW Heat Exchanger Inspection and Cleaning	24	
		FP-OP-OL-01	Operability	22	
		QF 1152	Reactor Plant Event Notification Worksheet	4	
		QF 2010	Risk Assessment Worksheet	33	
		QF0571	Troubleshooting Plan	7	
	Work Orders	700017507	Replace Rosemont Analog Trip Division 1	08/12/2021	
		700095731	9-95, Troubleshoot ATWS	08/31/2021	
	71111.15	Corrective Action Documents	501000054248	VD-92B Actuator Failure	07/21/2021
			501000054319	LS-23-90 Issue Causes C.R. Annunciator	07/24-2021
501000054458			PFDA1 Relay not in Tolerance	07/27/2021	
501000054707			12 EDG Oil Leak	08/04/2021	
501000054991			P-210/MTR Motor (RCIC Barometric Condenser Condensate Pump) Commutator Discoloration	08/11/2021	
501000055533			ATWS CAB 9-5 Trouble	08/27/2021	
Corrective Action Documents Resulting from Inspection		501000054373	NRC Question on C.6-003-B-10 Basis	07/25/2021	
Drawings		NX 16162-1-3	ATWS Elementary Diagram	77	
Procedures	C.6-003-B10	HPCI Turbine Inlet Hi Drain Pot Level	9		
71111.19	Work Orders	700052484-0020	Post Maintenance Test 1RSW CV-1729	09/01/2021	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.22	Procedures	0255-02-III	SBLC Quarterly Pump and Valve Tests	68
		0255-05-1A-1-2	'B' RHRSW Quarterly Pump and Valve Test	91
		OSP FIR 0609	Portable Diesel Pump Testing	6
71124.06	Corrective Action Documents	501000051131	Turbine Building Normal Waste Sump Abnormal Discharge	04/27/2021
	Engineering Changes	0000028235	Basis for Stack Wide Range Noble Gas Monitor Effluent Reporting Methodology	0
	Miscellaneous	1_2021-01-05_001	Charcoal Filter Gamma Spectrum Analysis for Plant Stack	01/05/2021
		1_2021-01-05_005	Particulate Filter Gamma Spectrum Analysis for Plant Stack	01/05/2021
		1_2021-01-17_005	Noble Gas Gamma Spectrum Analysis for Plant Stack	01/17/2021
		1_2021-04-15_007	Noble Gas Gamma Spectrum Analysis for Drywell Purge	04/15/2021
		3_2021-04-15_009	Charcoal Filter Gamma Spectrum Analysis for Drywell Purge	04/15/2021
		5_2021-04-15_008	Particulate Filter Gamma Spectrum Analysis for Drywell Purge	04/15/2021
		MTGB2021-032	Gaseous Effluent Release Report for Drywell Purge	04/17/2021
		MTGB2021-032	Gaseous Effluent Release Report for Drywell Purge	04/15/2021
		MTGC2020-115	Gaseous Effluent Release Report for Plant Stack	01/06/2021
		MTLC2021-001	Turbine Building Normal Waste Sump Release Report	05/03/2021
	MTLC2021-001	Liquid Effluent Release Report for Turbine Building Normal Waste Sump	05/03/2021	
	N/A	Turbine Building Normal Waste Sump Tritium Results	04/26/2021	
	Procedures	I.02.06	Airborne Continuous Release Report	3
		I.02.08	Airborne Batch Release Report	3
71124.08	Procedures	R.06.09	Storage and Inventory of Radioactive Material Outside the Power Block	25
71151	Miscellaneous	QF0739	NRC Performance Indicator Data; MSPI Emergency AC Power Systems, 3rd Quarter 2020 through 2nd Quarter 2021	09/28/2021
		QF0739	NRC Performance Indicator Data; MSPI High Pressure Injection System; 3rd Quarter 2020 through	09/28/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			2nd Quarter 2021	
		QF0739	NRC Performance Indicator Data; MSPI Heat Removal Systems; 3rd Quarter 2020 through 2nd Quarter 2021	09/28/2021
	Procedures	FP-R-PI-01	Preparation of NRC Performance Indicators	9
71152	Corrective Action Documents	501000027322	AO-12-4-14A Failed to Close During Filter Isolation for Backwash	05/12/2019
		501000038667	RV-3112 Leaks Past its Seat	03/11/2020
		501000040145	Suspected RC-50-2 Seat Leakage	04/30/2020
		501000040885	AO-12-4-20A Leaks by Seat	05/22/2020
		501000045378	AO-12-4-14A Will Not Close During Backwash/Precoat	10/12/2020
		501000045580	RV-3112 Step Change	10/16/2020
		501000046699	RV-3112 Leakage	11/26/2020
		501000047959	AO-12-4-14A Will Not Close During Backwash/Precoat	01/23/2021
		501000048004	Potential Security Flaw in PRNMS/PPC	01/22/2021
		501000048130	AO-12-4-14A Won't Close	01/26/2021
		501000049135	AO-12-4-14A Cycling Issues	03/01/2021
		501000049162	Adverse Trend in Reactor Water Cleanup Performance	03/02/2021
		501000049396	Part 21 SC 21-02 Rev 0 Issued	03/11/2021
		501000051668	RC-50-1 Failed Post Maintenance Testing	05/10/2021
	Miscellaneous	Memorandum of Understanding	XCEL Energy and Wright County Sherriff's Office	06/21/2021
		QF0588	10 CFR Part 21 Engineering Evaluation CAP Number 501000048004	2
		SC 21-02 006N4945	Safety Communication	03/09/2021
	Procedures	C.2-05	Power Operation	80
		FP-S-FSIP-01	Security Compensatory Measures	17
		OSP-NIP-0546	LPRM Calibration	16
	Work Orders	700055880	Repair AO-12-14A for QIM 501000027322	03/19/2020
		700071578	Replace RV-3112	01/29/2021
		700081029	Repair AO-12-4-14A for QIM 501000045378	03/17/2021
		700085036	Repair of AO-12-4-14A for QIM 501000047959	01/24/2021
		700085292	Repair of AO-12-4-14A for QIM 501000048130	01/29/2021