

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

November 17, 2022

Mr. Christopher Domingos Site Vice President Monticello Nuclear Generating Plant Northern States Power Company, Minnesota 2807 West County Road 75 Monticello, MN 55362–9637

# SUBJECT: REISSUE - MONTICELLO NUCLEAR GENERATING PLANT – INTEGRATED INSPECTION REPORT 05000263/2022003

Dear Christopher Domingos:

The NRC identified that the inspection report sent to you dated November 14, 2022, (ML 22307A182) inadvertently omitted an inspection finding that was identified during the inspection period and discussed at the exit meeting. As a result, the NRC has re-issued the report in its entirety to contain the details of the inspection finding.

On September 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Monticello Nuclear Generating Plant. On October 6, 2022, the NRC inspectors discussed the results of this inspection with you and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding involved a violation of NRC requirements. We are treating this violation as a non-cited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy.

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

If you disagree with a cross-cutting aspect assignment in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region III; and the NRC Resident Inspector at Monticello Nuclear Generating Plant.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <u>http://www.nrc.gov/reading-rm/adams.html</u> 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,

Signed by Kozak, Laura on 11/17/22

Laura L. Kozak, Acting Branch Chief Reactor Projects Branch 3 Division of Operating Reactor Safety

Docket No. 05000263 License No. DPR-22

Enclosure: As stated

cc w/ encl: Distribution via LISTSERV

Letter to Christopher Domingos from Laura Kozak dated November 17, 2022.

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# ADAMS ACCESSION NUMBER: ML22321A223

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# U.S. NUCLEAR REGULATORY COMMISSION Inspection Report

Docket Number:	05000263
License Number:	DPR-22
Report Number:	05000263/2022003
Enterprise Identifier:	I-2022-003-0050
Licensee:	Northern States Power Company, Minnesota
Facility:	Monticello Nuclear Generating Plant
Location:	Monticello, MN
Inspection Dates:	July 01, 2022 to September 30, 2022
Inspectors:	J. Corujo-Sandin, Senior Reactor Inspector T. McGowan, Senior Resident Inspector D. Melendez-Colon, Reactor Inspector V. Myers, Senior Health Physicist C. Norton, Senior Resident Inspector L. Rodriguez, Senior Reactor Inspector
Approved By:	Laura L. Kozak, Acting Branch Chief Reactor Projects Branch 3 Division of Operating Reactor Safety

## 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 <a href="https://www.nrc.gov/reactors/operating/oversight.html">https://www.nrc.gov/reactors/operating/oversight.html</a> for more information.

## List of Findings and Violations

Failure to Maintain FLEX Equipment Consistent with the Requirements of						
10 CFR 50.155(c)(2	2)					
Cornerstone	Significance	Cross-Cutting	Report			
		Aspect	Section			
Mitigating	Green	[H.14] -	71111.15			
Systems	NCV 05000263/2022003-01	Conservative				
	Open/Closed	Bias				
The inspectors identified a Green, very low safety significance, non-cited violation of						
10 CFR 50.155(c)(2), mitigation of beyond-design-basis (BDB) events, in that the licensee						
failed to reasonably	protect equipment relied on for the mitigat	tion of BDB events	from the			
effects of natural ph	nenomena that are equivalent in magnitude	e to the phenomena	a assumed in			

developing the design basis of the facility. Specifically, in a misapplication FP-BDB-EQP-01, Equipment Important to BDB Compliance, the FLEX forklift and FLEX front-end loader were routinely left unprotected from the effects of natural phenomena events for longer than allowed.

# **Additional Tracking Items**

None.

## PLANT STATUS

Monticello began the inspection period at rated thermal power. At 7:00 pm on August 29, 2022, the licensee lowered power to 95 percent of rated thermal power to accommodate wind and solar generation and returned to rated thermal power at 8:00 pm on August 29, 2022. At 2:00 am on September 25, 2022, the licensee lowered power to 85 percent of rated thermal power to accommodate wind and solar generation and returned to rated thermal power at 6:00 am on September 25, 2022. The unit 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 <a href="http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html">http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html</a>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

## **REACTOR SAFETY**

## 71111.01 - Adverse Weather Protection

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 August 24, 2022.

#### 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) Division 1 250-volt dc system, protected train, containing battery 13 associated battery charger and dc distribution panel on July 26, 2022
- (2) High pressure coolant injection system (HPCI) during work week window: 2238 on September 22, 2022

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

(1) The inspectors evaluated system configurations during a complete walkdown of emergency diesel generator (EDG) 12 system on September 16, 2022

## 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 13-B, reactor feed pump and lube oil reservoir room on July 05, 2022
- (2) Fire zone 3-A, recirculation motor generator set room on July 05, 2022
- (3) Fire zone 31-A, emergency filtration building (EFT) first floor, division 1 on July 05, 2022
- (4) Fire zone 5-C, fuel pool skimmer tank room on July 06, 2022
- (5) Fire zone 13-C, turbine building 911' elevation east MCC area on July 06, 2022

#### 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) Flood zone PAB-1

#### 71111.07T - Heat Exchanger/Sink Performance

#### Heat Exchanger (Service Water Cooled) (IP Section 03.02) (2 Samples)

The inspectors evaluated heat exchanger performance on the following:

- (1) 13 Residual Heat Removal Service Water Pump Cooler (P-109C)
- (2) 'A' Residual Heat Removal Room Air Cooling Unit (V-AC-5)

#### Ultimate Heat Sink (IP Section 03.04) (1 Sample)

The inspectors evaluated the ultimate heat sink performance on the following:

(1) The ultimate heat sink, specifically Sections 03.04.b and 03.04.c were completed

#### 71111.11Q - Licensed Operator Regualification Program and Licensed Operator Performance

# Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

(1) The inspectors observed and evaluated licensed operator performance in the control room during testing and the return to service of the HPCI system on September 22, 2022.

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

(1) The inspectors observed and evaluated integrated scenarios during shift 2 simulator training on August 11, 2022

## 71111.12 - Maintenance Effectiveness

## Maintenance Effectiveness (IP Section 03.01) (4 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) Electric fire pump discharge air vent on August 10, 2022
- (2) Secondary containment isolation dampers on August 31, 2022
- (3) Core spray pump 11 relay maintenance, calibration, and testing on September 13, 2022
- (4) HPCI turbine speed governor EG-M replacement on September 21, 2022

#### 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) Steam jet air ejector valve failure on May 13, 2022

#### 71111.13 - Maintenance Risk Assessments and Emergent Work Control

#### Risk Assessment and Management Sample (IP Section 03.01) (3 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:

- Emergent work activity to address water found in the residual heat removal (RHR)
  14 pump upper bearing oil reservoir sample on July 8, 2022
- (2) Initial implementation of the FLEX maintenance provisions of FP-WM-SCH-01, online scheduling process, to repair shaft seal leak on P-902A, off gas recombiner condensate cooling pump 11 on July 14, 2022
- (3) Emergent work activity to address steam leaks on HPCI system, root valves on July 27, 2022

## 71111.15 - Operability Determinations and Functionality Assessments

#### Operability Determination or Functionality Assessment (IP Section 03.01) (4 Samples)

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

- (1) 501000066143, SW21-1 & SW22-1, residual heat removal service water (RHRSW) system to service water system check valves, failed inservice testing
- (2) 501000066330, unable to dial out on phone system
- (3) 501000066684, vibration data bad P109D, RHRSW pump 14
- (4) 501000065942, flex forklift storage improvement

## 71111.18 - Plant Modifications

## <u>Temporary Modifications and/or Permanent Modifications (IP Section 03.01 and/or 03.02)</u> (<u>1 Sample</u>)

The inspectors evaluated the following temporary or permanent modifications:

(1) Instrument air compressors controller upgrade

## 71111.19 - Post-Maintenance Testing

## Post-Maintenance Test Sample (IP Section 03.01) (9 Samples)

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

- (1) RHR 11 service water pump following pump replacement on July 1, 2022
- (2) RHR 14 pump following motor upper bearing cooling water leak repair on July 8, 2022
- (3) EDG 11 following planned preventive maintenance on July 13, 2022
- (4) HPCI steam leak repairs (root isolation valves) on July 25, 2022
- (5) Secondary containment isolation dampers on August 31, 2022
- Hydraulic control unit for CRD 10-39 (accumulator replacement) on September 06, 2022
- (7) HPCI turbine stop valve on September 22, 2022
- (8) HPCI turbine water induction protection system exhaust drain hi-hi level switch on September 22, 2022
- (9) HPCI solenoid valve (CV-2043) on September 22, 2022

## 71111.22 - Surveillance Testing

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

## Surveillance Tests (other) (IP Section 03.01) (4 Samples)

- (1) Recombiner train outlet hydrogen analyzer surveillance on July 07, 2022
- (2) Security system emergency diesel generator operability check on July 07, 2022
- (3) Fire detection and instrumentation detector sensitivity check for battery rooms and cable spreading room on July 20, 2022
- (4) HPCI system surveillance testing on September 22, 2022

## Inservice Testing (IP Section 03.01) (1 Sample)

(1) HPCI quarterly pump and valve tests on July 08, 2022

## 71114.06 - Drill Evaluation

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

The inspectors evaluated:

(1) Licensed operator retraining scenario with graded emergency action level classification on September 26, 2022

## **RADIATION SAFETY**

## 71124.07 - Radiological Environmental Monitoring Program

Environmental Monitoring Equipment and Sampling (IP Section 03.01) (1 Sample)

(1) The inspectors evaluated environmental monitoring equipment and observed collection of environmental samples.

#### Radiological Environmental Monitoring Program (IP Section 03.02) (1 Sample)

(1) The inspectors evaluated the implementation of the licensee's radiological environmental monitoring program.

#### GPI Implementation (IP Section 03.03) (1 Sample)

(1) The inspectors evaluated the licensee's implementation of the Groundwater Protection Initiative program to identify incomplete or discontinued program elements.

#### **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, 2021 through June 30, 2022

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

(1) July 1, 2021 through June 30, 2022

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

(1) July 1, 2021 through June 30, 2022

#### 71152A - Annual Follow-Up Problem Identification and Resolution

#### Annual Follow-Up of Selected Issues (Section 03.03) (2 Samples)

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

(1) The inspectors reviewed the effectiveness of corrective actions associated with power to security equipment on July 7, 2022

(2) The inspectors reviewed the effectiveness of corrective actions associated with documentation annotation and the failure to follow own process governing documenting results in various field records on August 03, 2022

## 71152S - Semiannual Trend Problem Identification and Resolution

Semiannual Trend Review (Section 03.02) (2 Samples)

- (1) The inspectors reviewed the licensee's corrective action program for potential adverse trends in documentation that might be indicative of a more significant safety issue
- (2) The inspectors reviewed the licensee's corrective action program for potential adverse trends in status control (i.e., bump sensitive equipment) that might be indicative of a more significant safety issue

## INSPECTION RESULTS

Failure to Maintain FLEX Equipment Consistent with the Requirements of 10 CFR 50.155(c)(2) Cornerstone Significance Cross-Cutting Report Aspect Section Mitigating [H.14] -71111.15 Green NCV 05000263/2022003-01 Conservative Systems Open/Closed Bias

The inspectors identified a Green, very low safety significance, non-cited violation of 10 CFR 50.155(c)(2), mitigation of beyond-design-basis (BDB) events, in that the licensee failed to reasonably protect equipment relied on for the mitigation of BDB events from the effects of natural phenomena that are equivalent in magnitude to the phenomena assumed in developing the design basis of the facility. Specifically, in a misapplication FP-BDB-EQP-01, Equipment Important to BDB Compliance, the FLEX forklift and FLEX front-end loader were routinely left unprotected from the effects of natural phenomena events for longer than allowed.

## Description:

The FLEX debris removal equipment was routinely left unprotected from the effects of natural phenomena events for longer than the one shift allowed by FP-BDB-EQP-01, Equipment Important to BDB Compliance, which states, "Debris removal equipment must be returned to their designated storage location after use or by the end of shift." Vehicles and tools are stored in either the FLEX building or Warehouse 6 which meet ASCE-7 (37) requirements. The licensee justified that as long as the work was going to continue the next day or the next week, the equipment need not be returned to BDB protective storage at the end of shift. On July 27, 2022, the FLEX forklift was removed from BDB protective storage and returned on August 3, 2022. On August 11, 2022, the FLEX forklift was removed from BDB protective storage and returned on August 15, 2022. On August 17, 2022, the FLEX forklift was removed from BDB protective storage for preventive maintenance and was returned on August 30, 2022. On August 28, 2022, the licensee documented that while performing the severe weather checklist, the step requiring verification that all FLEX equipment was in its storage location could not be performed. On September 7, 2022, the FLEX front-end loader was removed from BDB protective storage for preventative maintenance. On September 15, 2022, a rental front end loader was obtained as corrective action for not

having the FLEX front-end loader available. The FLEX front-end loader was repaired and returned to its storage location on September 30, 2022.

Corrective Actions: This issue was entered into the licensee corrective action program.

Corrective Action References: 501000065942, 501000066382, 501000066386

Performance Assessment:

Performance Deficiency: The licensee failed to reasonably protect equipment relied on for the mitigation of beyond-design-basis-events from the effects of natural phenomena that are equivalent in magnitude to the phenomena assumed in developing the design basis of the facility.

Screening: The inspectors determined the performance deficiency was more than minor because it was associated with the Protection Against External Factors attribute of the Mitigating Systems cornerstone and adversely affected the cornerstone objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, the licensee failed to protect equipment relied on for the mitigation strategies and guidelines from the effects of natural phenomena that are equivalent in magnitude to the phenomena assumed in developing the design basis of the facility.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." The finding screened to green because, although it involved equipment credited in the FLEX strategy such that FLEX functions might not be completed in accordance with existing plant procedures within the time allotted, each exposure period was less than 21 days.

Cross-Cutting Aspect: H.14 - Conservative Bias: Individuals use decision making-practices that emphasize prudent choices over those that are simply allowable. A proposed action is determined to be safe in order to proceed, rather than unsafe in order to stop. Specifically, the inspectors determined that the licensee non-conservatively interpreted the FLEX debris removal equipment requirements of FP-BDB-EQP-01, Equipment Important to BDB Compliance, which states that the front-end loader and forklift can be removed from storage for non-FLEX use but must be returned to their storage location after use or by the end of shift. The licensee justified that as long as the work was going to continue the next day or the next week, the equipment did not need to be returned to storage at the end of shift. Enforcement:

Violation: 10 CFR 50.155 (c)(2) requires that the equipment relied on for the mitigation strategies required to mitigate beyond-design-basis external events from natural phenomena be reasonably protected from the effects of natural phenomena that are equivalent in magnitude to the phenomena assumed for developing the design basis of the facility. Contrary to this requirement, the licensee routinely left the FLEX forklift and the FLEX front-end loader unprotected for extended periods.

Enforcement Action: This violation is being treated as a non-cited violation, consistent with Section 2.3.2 of the Enforcement Policy.

Observation: Follow-Up Review of Corrective Actions Associated with Past71152ADocumentation Annotation Pertaining to Maintenance and Surveillance Activities71152ADuring the inspection period, the inspectors reviewed various documentation on recent<br/>preventive maintenance procedures and surveillance activities performed by site<br/>maintenance and operations personnel. The inspectors did not observe any issues pertaining<br/>to improper usage of markings for non-applicable steps, changing steps without appropriate<br/>approvals, or failure to perform independent verifications when required.

Observation:Corrective Actions Associated with Bump Sensitive Equipment71152SOn April 21, 2022, both fuel oil (FO) pumps, P-160B and P-160-D, were found running for<br/>emergency diesel generator (EDG) 12. Vortex considerations with both FO pumps running<br/>resulted in the inoperability but not the non-functionality of EDG 12. A vortex formed in the<br/>first 24 hours of diesel operation at rated load would not have interrupted the flow of fuel from<br/>the storage tank to the day tank. The licensee returned the FO pumps to a normal lineup and<br/>declared EDG 12 operable. The licensee entered this issue into the corrective action program<br/>as QIM 50100062468, EDG FO pumps found running, EDG 12 inoperable. The licensee<br/>determined that workers likely bumped the switches while climbing a scaffold approximately<br/>three feet from the FO pump switches. The licensee protected the switches with covers to<br/>preclude future bumping.

On July 21, 2022, Xcel identified in QIM 501000064902 that Monticello had issues with status control of plant equipment that directly impacted emergency systems relied upon to protect public health and safety. The QIM established that workers were not effectively identifying and eliminating bump-sensitive component risks, consistently applying verification practices, and that marked status control areas were under-utilized to notify workers of sensitive equipment.

In August 2022, the licensee formed a multidisciplinary team to identify and recommend solutions to eliminate or reduce the risk associated with bump sensitive equipment. The team identified and initiated corrective actions for dozens of items.

Observation: Corrective Actions Associated with Power to Security Equipment 71152S On July 7, 2021, while testing security equipment, a component in the power supply failed to properly respond. The licensee entered this event into their corrective action program as quality issue management (QIM) 501000053835. The licensee performed an apparent cause evaluation and identified that the station personnel did not demonstrate adequate troubleshooting and teamwork needed to identify that a system was not properly configured. Contributing causes included a lack of system knowledge, a lack of sensitivity to security significance, and inadequate procedures.

The inspectors verified that corrective actions to address the apparent cause and contributing causes were addressed. Corrective actions included revising the troubleshooting process to include security, revising operator rounds to include the component, training operators on these components, training security on the impacts of inoperable security equipment, revising the applicable test procedure to include clear prerequisite verification steps, updating security procedures, creating alarm response procedures associated with these components, revising maintenance surveillance procedures. The inspectors observed the testing of the components on July 7, 2022, and verified corrective actions effectively prevented recurrence of the event.

# EXIT MEETINGS AND DEBRIEFS

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

- On October 6, 2022, the inspectors presented the integrated inspection results to Mr. C. Domingos, Site Vice President, and other members of the licensee staff.
- On July 28, 2022, the inspectors presented the radiation protection inspection results to Ms. M. Neal, Director Nuclear Fleet Operations, and other members of the licensee staff.
- On August 26, 2022, the inspectors presented the triennial heat sink inspection results to Mr. S. Hafen, Plant Manager and other members of the licensee staff.

# **DOCUMENTS REVIEWED**

Inspection	Туре	Designation	Description or Title	Revision or
Procedure				Date
71111.01	Procedures	1478	External Flood Monthly and Annual Surveillance	24
		EWI-08.19.01	Cable Condition Monitoring Program	10
		FP-PE-CBL-01	Cable Condition Monitoring Program	5
	Work Orders	700091077-010	Underground Vaults for Water - Inspection	08/23/2022
71111.04	Drawings	NH-36051 (M-	P&ID Diesel Oil System	U
		133)		
		NH-36051-1 (M-	P&ID Diesel Oil System	77
		133)		
		NH-36249 (M-	P&ID (Steam Side), High Pressure Coolant Injection System	85
		123)		
		NH-36249-1 (M-	P&ID HPCI Hydraulic Control & Lubrication System	78
		123-1)		
		NH-36250 (M-	P&ID (Water Side), High Pressure Coolant Injection System	87
		124)		
		NH-36664 (M-	P&ID RHR Service Water & Emergency Service Water	97
		112)	Systems	
	Procedures	Ops Man	Emergency Diesel Generators	62
		B.09.08.05		
		Ops Man B.09.09-	250 VDC System	6
		02 (Description of	,	
		Equipment)		
		Ops Man B.09.09-	250 VDC System (Figures)	5
		06		
71111.05	Fire Plans	Strategy A.3-03-A	Fire Zone 3-A, RECIRC MG Set Room	9
		Strategy A.3-05-C	Fuel Pool Skimmer Tank Room	6
		Strategy A.3-13-B	Fire Zone 13-B. RX Feed Pump and Lube Oil Reservoir	14
		j,	Room	
		Strategy A.3-13-C	Turbine Building 911' Elevation East MCC Area	12
		Strategy A.3-31-A	EFT Building 1st Floor (Division 1)	12
71111.06	Calculations	07-035	Monticello Generating Plant Internal Flooding Analysis	0
	Procedures	C 4-I	Operations Manual Section: Abnormal Procedures, Plant	19

Inspection	Туре	Designation	Description or Title	Revision or
Procedure	•			Date
71111.07T	Calculations	08-085	Post LOCA Reactor Building Heatup Analyses for EPU	0F
		97-083	Acceptance Criteria for RHRSW Flow Loop Checks in	0
			Procedure 7070	
	Calibration	FI-7189 Card 6	FI-7189: Division 1 RHR/RHR-SW/CS Systems Test	03/17/2021
	Records		Instrument, Card 6	
	Corrective Action	501000049337	FI-7189 Indicating Higher Than Actual	03/09/2021
	Documents	501000049639	FI-7189 Impact on 13 RSW Pump Baseline	03/17/2021
		501000056747	ECCS Pump Availability Question	10/05/2021
		501000057418	IST Annual Trending Review	10/19/2021
		501000058725	Repeat - Condenser Fouling	12/02/2021
		501000062175	RHR RM Cooling Units PRA Model Concern	04/12/2022
	Corrective Action	501000065806	2022 UHS: RHRSW IST Procedures ISTB-3550	08/24/2022
	Documents	501000065812	22UHS: Unknown Flow Noise in A RHR Rm	08/24/2022
	Resulting from	501000065826	22UHS: Enhancements to A.6, Acts of Nature	08/24/2022
	Inspection	501000065848	22UHS: Temp Gradient Across RHRSW-14	08/24/2022
		501000065853	22UHS: RHRSW Flow Loop Cal Units	08/25/2022
		501000065873	22UHS: Clarify GL 89-13 HX Criteria	08/25/2022
		501000065884	22UHS: NRC Observations	08/25/2022
		501000065901	22UHS: M&TE Process Post FI-7189 Failure	08/25/2022
	Drawings	NH-36664	P&ID RHR Service Water & Emergency Service Water	97
	-		Systems	
		NH-36665	P&ID Service Water System & Make-Up Intake Structure	109
	Engineering	60100003242	RHR Flow Loop Calibration	03/18/2022
	Changes	6EQVENG27783	Replace V-4AC-4 and V-AC-5 Cooling Coils	02/28/2020
	Procedures	A.6	Acts of Nature	64
		B.08.01.04-05	Emergency Service Water	32
		C.4-B.08.01.01.A	Loss of Service Water	14
		C.6-020-A-17	Southeast Equip Rm V-AC-5 High Temp	10
		C.6-CWT104	River Level - Low	0
		C.6-CWT502	River Flow - Low	0
		DBD-S.04	Intake Structure	7
		DBD-T.19	Design Bases Document: External Considerations	D
		EWI-08.22.01	Generic Letter 89-13	14

Inspection	Туре	Designation	Description or Title	Revision or
Procedure				Date
		1.05.25	Zebra Mussel Inspection	9
	Work Orders	00449322	Mech - Replace 13 RHRSW Motor Cooling Coil	10/28/2013
		00518804	Mech-P-109C, Clean 13 RHRSW Motor Cooler Per 4058-03-PM	01/18/2018
		700039942-0010	RHR Service Water System Instrument Maintenance Procedure	03/03/2020
		700047296	4058-3 (Clean 13 RHRSW Motor Clr P-109C)	12/16/2021
		700055078	PM 4126 (Inspect West Service Water Bay)	09/28/2021
		700057971	PM 4125 (Inspect East Service Water Bay)	04/21/2021
		700059226	4058-5 A RHR RM Air Cooling Unit V-AC-5	07/14/2020
		700060484	Intake Bay/Traveling Screen Forebays Inspection	09/28/2021
		700082689-0010	A RHR Room Air Cooling Unit V-AC-5 Internal Cleaning,	05/12/2022
			External Cleaning and Visual Inspection	
		700087674	FI-7189, Replace Indicator	03/17/2021
		700089703-0020	RHRSW-14/68, SAWA Valve Testing	08/16/2022
		700091195-0010	P-109C, Generate Pump Curve	12/14/2021
		700098226-0010	"A" RHRSW Quarterly Pump and Valve Tests	03/09/2022
		700099950-0010	14 ESW Quarterly Pump and Valve Tests	04/19/2022
		700102185-0010	"A" RHRSW Quarterly Pump and Valve Tests	06/10/2022
		700103955-0010	SW-103 and SW-104 Valve Operability Test	07/20/2022
71111.11Q	Miscellaneous	Simulator	Licensed Operator Requalification, Cycle 22D Integrated	08/02/2022
		Exercise Guide (SEG) MT-LOR-	Scenario (Simulator)	
		22D-001S		400
	Procedures	0255-06-IA-1	HPCI Quarterly Pump and Valve Tests	109
		1069	HPCI Flow Control System Dynamic Test Procedure	27
		7136	HPCI System Instrumentation Maintenance	15
		B.03.02-05	Opening HPCI Steam Line Isolation Valves, MO 2304 and 2305	63
71111.12	Corrective Action Documents	501000066352	4kVB-34 Kept Charging After Closing	09/12/2022
	Drawings	NE-36404-5	152-505 Elementary	78
	-	NH-36808 (M-	P&ID - Air Flow Diagram Reactor Building Upper Part	77

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		NX-8875-50-8	152-505 Internal	E
	Procedures	4048-PM	Secondary Containment Isolation Damper Maintenance	29
		4115-PM	HPCI System Inspection	34
		4850-505-PM	152-505, 11 CS Pump Relay Maintenance, Calibration and	9
			Test Tripping	
		FP-MA-ES-01	Electrical Safety	13
		FP-PE-RLP-01	License Renewal Implementation	9
	Work Orders	700074627-0020	Secondary Containment Isolation Damper	08/31/2022
		700076209-0030	HPCI Turbine Speed Governor EGM	09/21/2022
		700085022	Electric Fire Pump Air Vent Rebuild	08/10/2022
71111.13	Corrective Action	501000065007	HPCI Steam Line De-Pressure Time	07/26/2022
	Documents			
	Drawings	NH-54817-4	P&ID Off Gas Modification Train 'A'	83
	Procedures	1376-02	RHR Pump Motor Oil Sampling	7
		FP-WM-SCH-01	Online Scheduling Process	27
		QF-2007	Planning and Approval of High Risk or Scheduled Work	3
			Risk, Off Gas Recombiner Condensate Cooling Pump	
	Work Orders	700082311-0010	I-HPCI-R-7	07/27/2022
		700106547-0010	I-HPCI-R-6	07/27/2022
		700108898-0030	P-202D/MTR, Correct Oil Cooler Leakage	07/07/2202
		700108898-20	P-202D/MTR Pressure Test Installed Coil	07/07/2022
71111.15	Corrective Action	501000065942	FLEX Forklift Storage Improvement	0
	Documents	501000066143	SW 21-1 and SW 22-1 Failed IST Testing	09/05/2022
		501000066330	Unable to Dial Out on Phone System	0912/2022
		501000066382	FLEX Equipment not Returned by End of Day	0
		501000066386	Trend: Lack of Reverence for FLEX Equipment	0
		501000066684	Vibration Data Bad P-109D	09/23/2022
	Procedures	B.08.08-05	Plant Communications System	10
71111.18	Corrective Action	501000065522	NRC identified Work Plan Typo (Wrong Component	08/09/2022
	Documents		Identified in Work Plan Title)	
	Resulting from		· ·	
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	Drawings	NH-36049-2	P&ID Instrument Air System	87
	Engineering	60100002842	Commercial Change Package, Instrument Air Compressor	0
	Changes		SEQC-1 Replacement	
	Work Orders	700087578-0017	17 IAC C-446 Elektronikon Installation	0
71111.19	Procedures	0074	Control Rod Drive Exercise	71
		0187-01	Emergency Diesel Generator 11/Emergency Service Water	107
			11 Quarterly Pump and Valve Tests	
		4048-PM	Secondary Containment Isolation Damper Maintenance	29
		4115-PM	HPCI System Inspection	34
		7100	CRD-HCU Instrument Maintenance Procedure	8
	Work Orders	700006422-0040	HPCI Turbine Stop Valve	1
		(PMT)		
		700054643-0170	Post Maintenance Test/Return to Service Instructions	1
			Emergency Diesel Generator 11	
		700082311-0020	LS-23-90 Lower Root Isolation Valve	07/25/2022
		700106547-0020	LS-23-90-Upper Root Isolation Valve	07/25/2022
		700107976-0090	PMT/RTS Instructions RHRSW 11 Pump	3
		700108898-0040	P-202D/MTR, Cooling Coli PMT/RTS	07/07/2022
		700109666-0020	Hydraulic Control Unit for Control Rod Drive 10-39	09/07/2022
		7001111934-0020	LS-23-98 PMT	09/22/2022
		700112562-0030	SV-2043 Air Leaking Past Exhaust Port	0
		(PMT)		
71111.22	Drawings	NH-36249 (M-	P&ID (Steam Side) High Pressure Cooling Injection System	85
		123)		
		NH-3649-1 (M-	P&ID HPCI Hydraulic Control & Lubrication System	78
		123-1)		
	Procedures	0211	Recombiner Train Outlet Hydrogen Analyzer Procedures	47
		0255-06-IA-1	HPCI Quarterly Pump and Valve Tests	109
		0298-02	Security System Emergency Generator Operability Check &	31
			Alarm	
		ISP-FIR-1147-07	Fire Detection Instrumentation Detector Sensitivity Check for	3
			Battery Rooms and Cable Spreading Room	
		NH-36250 (M-	P&ID (Water Side) High Pressure Coolant Injection System	87

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71114.06	Miscellaneous	RQ-SS-201	Scenario Evaluation Guide	0
71124.07	Calibration Records	5829	Radiological Environmental Monitoring Air Sampler Calibration	11/01/2021
	Miscellaneous	545502	GEL Laboratories Analysis Report	06/22/2021
		550647	GEL Laboratories Analysis Report	08/19/2021
		550648	GEL Laboratories Analysis Report	08/19/2021
		556389	GEL Laboratories Analysis Report	10/19/2021
		558022	GEL Laboratories Analysis Report	11/03/2021
		ODCM-07.01	Radiological Environmental Monitoring Program	26
	Procedures	1.05.33	Weekly Radiological Environmental Monitoring Procedures	11
		1.05.36	Semiannual Shoreline Sediment and Fish Sampling	4
		1.05.39	Monthly Radiological Environmental Analysis Report	3
		1.05.43	Radiological Environmental Monitoring Air Sampler Calibration and Maintenance	3
		1.05.51	Radiological Environmental Monitoring Vegetation Sampling	3
	Work Orders	700081451	Meteorological Tower Preventative Maintenance	10/22/2021
71151	Corrective Action Documents	501000063695	HPCI UA Not Entered into Phoenix	06/08/2022
	Miscellaneous	QF0445 (FP-R- PI-01)	NRC and MOR Data Collection and Submittal Forms; MSPI High Pressure Injection System; 3rd Quarter 2021 through 2nd Quarter 2022	08/10/2022
		QF0445 (FP-R- PI-01)	NRC and MOR Data Collection and Submittal Forms; MSPI Emergency AC Power Systems; 3rd Quarter 2021 through 2nd Quarter 2022	08/10/2022
		QF0445 (FP-R- PI-01)	NRC and MOR Data Collection and Submittal Forms; MSPI Heat Removal Systems; 3rd Quarter 2021 through 2nd Quarter 2022	08/10/2022
	Procedures	FP-R-PI-01	Preparation of NRC Performance Indicators	10
71152A	Corrective Action	501000053835	Loss of Security Power during 0298-02	07/07/2021
	Documents	602000020940	Apparent Cause Evaluation, Loss of Security Power during 0298-02	09/01/2021
	Drawings	NF 85716	Security System Circuit Diagram 480 MCC-191, MCC-192,	79

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71152S	Corrective Action	501000062468	EDG FO Pumps Found Running, EDG 12 Inoperable	04/21/2022
	Documents	501000064804	Water Gong Not Working	07/18/2022
		501000065326	Switch Covers Needed for Status Control	08/05/2022
		501000065376	Evaluate Plexiglass Covers in the Plant	08/05/2022
	Miscellaneous	Licensee Internal	Status Control Walkdown Work Sheet	08/08/2022
		Spreadsheet		
	Procedures	0000-A	Operations Daily Log - Mode 1	109
		0010	Reactor SCRAM Functional Test	32
		003	Drywell High Pressure SCRAM and Group 2, 3 & SCTMT	37
			Isolation Test and Calibration Procedure	
		0030	ECCS High Drywell Pressure Sensor	23
		0356	Stack/Vent Iodine/Particulate Sample	24
		FP-G-DOC-4	Procedure Processing	43
		OSP-AN2-0567	Monitor ADS Pneumatic Supply	9
	Work Orders	700093480-0010	Warehouse No.1/No.2 Fire Suppression	07/18/2022