



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

April 29, 2020

Mr. Anthony J. Vitale  
Site Vice President  
Entergy Nuclear Operations, Inc.  
450 Broadway, Generation Support Building  
P.O. Box 249  
Buchanan, NY 10511-0249

SUBJECT: INDIAN POINT ENERGY CENTER, UNITS 2 AND 3 – INTEGRATED  
INSPECTION REPORT 05000247/2020001 AND 05000286/2020001

Dear Mr. Vitale:

On March 31, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Indian Point Energy Center, Units 2 and 3. On April 14, 2020, 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,

X /RA/

Signed by: Daniel L. Schroeder

Daniel L. Schroeder, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

Docket Nos. 05000247 and 05000286  
License Nos. DPR-26 and DPR-64

Enclosure:  
As stated

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SUBJECT: INDIAN POINT ENERGY CENTER, UNITS 2 AND 3 – INTEGRATED  
INSPECTION REPORT 05000247/2020001 AND 05000286/2020001 DATED  
APRIL 29, 2020

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

Docket Numbers: 05000247 and 05000286

License Numbers: DPR-26 and DPR-64

Report Numbers: 05000247/2020001 and 05000286/2020001

Enterprise Identifier: I-2020-001-0060

Licensee: Entergy Nuclear Operations, Inc.

Facility: Indian Point Energy Center, Units 2 and 3

Location: 450 Broadway, Generation Support Building  
Buchanan, NY 10511-0249

Inspection Dates: January 1, 2020, to March 31, 2020

Inspectors: B. Haagensen, Senior Resident Inspector  
S. Obadina, Resident Inspector  
J. Vazquez, Resident Inspector  
L. Dumont, Reactor Inspector  
K. Warner, Senior Health Physicist  
S. Wilson, Senior Health Physicist

Approved By: Daniel L. Schroeder, Chief  
Reactor Projects Branch 2  
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 Indian Point Energy Center, Units 2 and 3, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

### **List of Findings and Violations**

No findings or violations of more than minor significance were identified.

### **Additional Tracking Items**

None.

## PLANT STATUS

Unit 2 began the inspection period at rated thermal power. On March 18, 2020, Unit 2 began a coast down in preparation for the planned permanent cessation of operations and defueling. At the end of the inspection period, the plant was at 89 percent rated thermal power.

Unit 3 operated at or near rated thermal power for the entire inspection period.

## INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at

<http://www.nrc.gov/readingrm/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." From January 1 to March 19, 2020, 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.

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 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 and during that time conducted plant status activities as described in IMC 2515, Appendix D, and observed risk significant activities when warranted. In addition, resident and regional baseline inspections were evaluated to determine if all or 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 the cases where it was determined the objectives and requirements could not be performed remotely, management elected to postpone and reschedule the inspection to a later date.

## REACTOR SAFETY

### 71111.04 - Equipment Alignment

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

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

- (1) Main and reheat steam due to steam leaks on several main steam non-return check valve vent valves at Unit 3 on January 22, 2020
- (2) 31, 32, and 33 emergency diesel generators (EDGs) due to 31 EDG prelube pump motor issues and 32 EDG 6-year inspection, maintenance, and testing at Unit 3 on February 11, 2020
- (3) Spent fuel pool cooling system after maintenance on AC-723 (spent fuel pool drain valve) at Unit 3 on February 13, 2020

- (4) Containment pressure relief system following pressure relief after the failure of PCV-1190 (containment pressure relief valve) at Unit 2 on February 24, 2020
- (5) Conformance with established charging system isolation and nitrogen supply ventilation requirements during charging pump recirculation line freeze seal implementation at Unit 2 on March 31, 2020

#### 71111.05 - Fire Protection

##### Fire Area Walkdown and Inspection Sample (IP Section 03.01) (8 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) Primary auxiliary building, general floor plan, 35-foot elevation (pre-fire plan (PFP)-205), at Unit 2 on January 3, 2020
- (2) Cable spreading room and battery rooms (PFP-252, PFP 252A, and PFP-254) at Unit 2 on January 24, 2020
- (3) Auxiliary feedwater pump room and atmospheric steam dumps in auxiliary building (PFP-365 and PFP-367) at Unit 3 on February 11, 2020
- (4) Control room (PFP-253) at Unit 2 on February 18, 2020
- (5) 31, 32, and 33 EDGs (PFP-354) at Unit 3 on February 26, 2020
- (6) 480V switchgear room and air conditioning equipment room (PFP-351 and PFP-351A) at Unit 3 on March 11, 2020
- (7) Primary auxiliary building, safety injection pumps/main corridor (PFP-305), at Unit 3 on March 16, 2020
- (8) Charging pump cells during hot work on 32 charging pump recirculation line (PFP-307B) at Unit 3 on March 31, 2020

#### 71111.07A - Heat Sink Performance

##### Annual Review (IP Section 03.01) (1 Sample)

The inspectors evaluated readiness and performance of:

- (1) 32 EDG jacket water and lube oil heat exchanger performance at Unit 3 on February 11, 2020

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

##### Licensed Operator Requalification Training/Examinations (IP Section 03.02) (2 Samples)

- (1) The inspectors observed and evaluated operator performance during an emergency planning drill at Unit 2 on January 29, 2020.
- (2) The inspectors observed and evaluated operator performance during a licensed operator requalification examination at Unit 3 on March 3, 2020.

## 71111.12 - Maintenance Effectiveness

### Maintenance Effectiveness (IP Section 03.01) (1 Sample)

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

- (1) Instrument air system at Unit 3 on March 23, 2020

## 71111.13 - Maintenance Risk Assessments and Emergent Work Control

### Risk Assessment and Management Sample (IP Section 03.01) (7 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) Yellow risk during 23 charging pump maintenance at Unit 2 on January 9, 2020
- (2) Yellow risk due to 35 circulating water pump out of service at Unit 3 on January 21, 2020
- (3) Yellow risk due to replacement of time delay relay 62-2/6A after 480V undervoltage/degraded grid protection system testing at Unit 3 on January 27, 2020
- (4) Yellow risk during concurrent 22 auxiliary boiler feedwater pump and 23 charging pump maintenance at Unit 2 on February 4, 2020
- (5) Elevated risk due to bonnet replacement of AC-723 (spent fuel pool primary water isolation valve) with freeze seal and transfer cask movement at Unit 3 on February 21, 2020
- (6) Comprehensive risk review for Unit 2 work week March 23 to 27, 2020
- (7) Emergent work for 32 charging pump recirc line repairs and freeze seal at Unit 3 on March 30, 2020

## 71111.15 - Operability Determinations and Functionality Assessments

### Operability Determination or Functionality Assessment (IP Section 03.01) (10 Samples)

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

- (1) (CR-IP2-2020-00135) 21 service water pump vacuum breaker fastener degradation and leakage at Unit 2 on January 14, 2020
- (2) (CR-IP3-2020-00020) 31 screen wash basket strainer not rotating at Unit 3 on January 14, 2020
- (3) (CR-IP2-2020-00142) Containment equipment hatch air lock leakage at Unit 2 on January 15, 2020
- (4) (CR-IP2-2020-00020) 21 component cooling water heat exchanger service water line 411 wall thickness approaching minimum allowable for structural integrity under code case N513-4 at Unit 2 on January 27, 2020
- (5) (CR-IP2-2020-00410) Residual heat removal pump flow indicators reading non-zero value with pumps not in service at Unit 2 on January 31, 2020
- (6) (CR-IP2-2020-00331) 21 component cooling water heat exchanger service water line weld plate non-conformance with Code Case at Unit 2 on February 2, 2020

- (7) (CR-IP3-2020-00282) 32 EDG jacket water cooler crevice/pitting corrosion on gasket seating surface of the jacket water cooler reversing cover at Unit 3 on February 11, 2020
- (8) (CR-IP2-2020-00034) 21 component cooling water heat exchanger service water line wall-thinning, finite element analysis to justify structural integrity at Unit 2 on March 3, 2020
- (9) (CR-IP2-2020-00741) 32 charging pump recirculation line leak impacts reactor coolant system unidentified leak rate determination at Unit 3 on March 25, 2020
- (10) (CR-IP2-2020-00741) Leak on the common charging pump recirculation line to the volume control tank impacts 32 and 33 charging pump functionality at Unit 3 on March 31, 2020

#### 71111.18 - Plant Modifications

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

The inspectors evaluated the following temporary or permanent modifications:

- (1) Unit 2 EC-85530, permanent modification to weld plate onto 21 component cooling water heat exchanger service water line per Code Case N-789, Revision 1
- (2) Unit 3 EC-85154, temporary modification to establish freeze seal for repairs to AC-723, spent fuel pool fill line

#### 71111.19 - Post-Maintenance Testing

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

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

- (1) 23 EDG test following 2-year inspection and protective relay calibration at Unit 2 on January 13, 2020
- (2) 21 service water pump Zurn™ strainer test following replacement at Unit 2 on January 27, 2020
- (3) 31 auxiliary feedwater pump maintenance and testing of BFD-FCV-1121 (recirculation control valve) at Unit 3 on February 26, 2020
- (4) 33 EDG 6-year maintenance, inspection, and testing at Unit 3 on March 5, 2020
- (5) 32 charging pump recirculation line following installation of temporary patch on March 27, 2020

#### 71111.22 - Surveillance Testing

The inspectors evaluated the following surveillance tests:

##### Surveillance Tests (other) (IP Section 03.01) (8 Samples)

- (1) 3-PT-2Y001C, 33 EDG overspeed trip test at Unit 3 on January 10, 2020
- (2) 2-PT-Q027A, 21 auxiliary feedwater pump test at Unit 2 on January 21, 2020
- (3) 3-PT-Q117B, 32 containment spray pump functional test at Unit 3 on January 29, 2020



- (4) 2-PT-Q027B, 23 auxiliary feedwater pump test at Unit 2 on March 3, 2020
- (5) 3-PT-OL3B1, 31 auxiliary boiler feed pump load sequencer calibration at Unit 3 on March 5, 2020
- (6) 3-PT-M024, low pressure steam dump surveillance test frequency change at Unit 3 on March 11, 2020
- (7) 2-PT-Q28A, 21 residual heat removal pump at Unit 2 on March 13, 2020
- (8) 3-PT-Q085, safety injection system valve operability test at Unit 3 on March 13, 2020

Inservice Testing (IP Section 03.01) (1 Sample)

- (1) 2-PT-2Y045A, 21 service water pump full flow test at Unit 2 on January 27, 2020

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

- (1) 0-SOP-LEAKRATE-001, reactor coolant system operational leakage assessment at Unit 2 on January 8, 2020

FLEX Testing (IP Section 03.02) (1 Sample)

- (1) FLEX-P-3B, diesel driven pump performance/operational test at Unit 3 on March 31, 2020

71114.06 - Drill Evaluation

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

The inspectors evaluated:

- (1) Conduct of a routine emergency preparedness drill at Unit 2 on January 29, 2020

**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) Unit 3 primary auxiliary building  
Unit 3 fuel storage building

Temporary Ventilation Systems (IP Section 03.02) (1 Sample)

The inspectors evaluated the configuration of the following temporary ventilation systems:

- (1) Unit 2 fuel storage building skid  
Unit 3 reactor coolant filter cell  
Unit 3 fuel storage building truck bay

#### Use of Respiratory Protection Devices (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated the licensee's use of respiratory protection devices.

#### Self-Contained Breathing Apparatus for Emergency Use (IP Section 03.04) (1 Sample)

- (1) The inspectors evaluated the licensee's use and maintenance of self-contained breathing apparatuses.

#### 71124.05 - Radiation Monitoring Instrumentation

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

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

##### (1) Portable Survey Instruments

- Unit 3 (3) telepole serial numbers 228317-063, 228317-077, 228317-100, 228317-102
- Unit 3 (6) RO-20 serial numbers 12709, 13073, 13071
- Unit 3 neutron detector model ASP-2 serial numbers 264 and 290

##### Source Check Demonstration

- Unit 3 telepole (geiger-muller detector)
- Unit 3 RO-20 (ion chamber detector)
- Unit 3 radiation protection sample count room SAC-4 (scintillation detector)
- Chemistry laboratory detector 34 (high-purity germanium detector w/gamma spectroscopy)
- Chemistry laboratory tri-carb beta analyzer number alpha H-3 (scintillation detector)
- Unit 3 J.L. Shepherd and Associates model 89 calibrator serial number 8154-20043 (cesium-137 sealed sources)
- Unit 3 model 81-12B beam irradiator serial number 11461 (cesium-137 sealed sources)

##### Area Radiation Monitors and Continuous Air Monitors

- Unit 2 control room monitor R-1
- Unit 2 fuel storage building monitor R-5
- Unit 3 control room monitor R-1
- Unit 3 fuel storage building monitor R-5
- Unit 2 portable continuous air monitor serial number 411630
- Unit 3 portable continuous air monitor serial number 413081

##### Personnel Contamination Monitors, Portal Monitors, and Small Article Monitors

- Unit 3 dosimetry area Fastscan whole-body counter
- Unit 3 small article monitor
- Unit 3 personnel contamination monitor
- Security building exit personnel contamination monitor

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

The inspectors evaluated the calibration and testing of the following radiation detection instruments:

- (1) Alarm Setpoint and Calibration Method Check of Personnel Contamination Monitors, Portal Monitors, and Small Article Monitors
  - Unit 3 small article monitor
  - Unit 3 personnel contamination monitor
  - Security building exit personnel contamination monitor

#### Failure to Meet Calibration or Source Check Acceptance Criteria

- Telepole number 11698
- RO-2 number 05473

### **OTHER ACTIVITIES – BASELINE**

#### 71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

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

- (1) Unit 2 (January 1, 2019, to December 31, 2019)
- (2) Unit 3 (January 1, 2019, to December 31, 2019)

#### BI02: RCS Leak Rate Sample (IP Section 02.11) (2 Samples)

- (1) Unit 3 (January 1, 2019, to December 31, 2019)
- (2) Unit 2 (January 1, 2019, to December 31, 2019)

#### 71152 - Problem Identification and Resolution

#### Annual Follow-up of Selected Issues (IP Section 02.03) (2 Samples)

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

- (1) Part 21 report associated with A220 480V contactors failing to release/open when de-energized at Units 2 and 3
- (2) The time critical operator action program to validate that operator manual actions credited in the updated final safety analysis report, chapter 14, events are appropriately tracking actual operator response times

## 71153 - Followup of Events and Notices of Enforcement Discretion

### Event Report (IP Section 03.02) (1 Sample)

The inspectors evaluated the following licensee event reports (LERs):

- (1) LER 05000247/2018-003-01, Loss of Safety Function Due to Valve SWN-6 Actuator Failure During Service Water Header Swap (ADAMS Accession No. ML20050C993). The inspectors reviewed the updated LER submittal. The previous LER submittal was reviewed in Inspection Report 05000247/2019-001 (ADAMS Accession No. ML19134A080). The inspectors determined that the cause of the condition described in the LER was not reasonably within the licensee's ability to foresee or correct and, therefore, was not reasonably preventable. No performance deficiency nor violation of NRC requirements was identified.

### **INSPECTION RESULTS**

Observation: Part 21 Report Associated with A220 480V Contactors Failing to Release/Open When De-Energized	71152
The inspectors interviewed the licensee and assessed the licensee's evaluation and corrective actions for Westinghouse Nuclear Safety Advisory Letter (NSAL-19-2), "Contactors Failing to Release Open When Deenergized." NSAL-19-2 described a problem with 480 volts contactors, used in a full voltage non-reversing application, which failed to open when de-energized. Although the operability evaluation and corrective actions performed by the licensee were satisfactory, the Part 21 evaluation was not completed as required by the licensee procedure. The inspectors determined that this issue was minor because the Part 21 evaluation would have concluded that the discovery was not a reportable defect or failure.	
Observation: Validation of Time Critical Operator Actions (TCOAs) and Time Sensitive Operator Actions (TSOAs)	71152
EN-OP-123, "Time Critical Action/Time Sensitive Action Program Standard," Revision 2, provides direction for establishing and maintaining the TCOA program at Indian Point. This program ensures that plant staff can accomplish operator manual actions within the scope defined by the updated final safety analysis report (UFSAR) and the Indian Point probabilistic risk assessment (PRA) model for TCOAs and TSOAs, respectively. The inspectors reviewed the program guidance, interviewed personnel, and verified that the program was being adequately maintained and administered. The inspection reviewed the program for TCOAs on both units but concentrated on Unit 3 for TSOAs.	
The inspectors determined that, in general, 17 Units 2 and 3 TCOAs had been properly identified from the UFSAR, tracked, and time-verified in the simulator and/or in plant walkthroughs. Past observations made during 71111.11Q licensed operator requalification training inspections were consistent with this inspection.	
However, the Unit 3 TSOA program appeared to be missing many risk-significant operator actions. None of the 20 operator manual actions credited in the PRA with Birnbaum importance ratings greater than 1E-6 core damage frequency and/or 1E-7 large early release frequency had been screened for time criticality using the criteria in EN-OP-123, Section 5.1. Seven of these potential TSOAs were similar to corresponding TCOAs and may have been functionally credited/time-validated under the TCOA program. However, the time	

criteria credited under PRA may also have been different than the time credited in the UFSAR and should have been reviewed. Moreover, during interviews, Entergy personnel appeared to be unfamiliar with the TSOA requirements and screening criteria. A list of operator manual actions with sufficient risk importance to require screening was provided to Operations.

This issue of concern was documented in CR-HQN-2020-00729 and assigned for follow-up. Identification of TSOAs are not explicitly required by NRC regulations (but are required by Entergy procedure EN-OP-123), therefore, this is not a violation of NRC requirements.

Risk-significant operator actions that have a Birnbaum risk importance that exceed  $1E-6$  core damage frequency or  $1E-7$  large early release frequency (as specified in EN-SA-G-001) that are not similar to TCOAs include:

- Trip reactor coolant pumps following loss of component cooling water (CCW)
- Reset motor control centers following a loss of offsite power or safety injection signal
- Establish alternate 480V switchgear room ventilation
- Align backup city water cooling to charging pumps after a loss of CCW
- Align residual heat removal shutdown cooling
- Rapidly depressurize reactor coolant system to minimize reactor coolant pump seal leakage during station blackout
- Perform post-loss-of-coolant accident cooldown and depressurization
- Align backup city water cooling to residual heat removal pump 31
- Align alternative safe shutdown system loads to motor control center 312A following a 480V switchgear room flood event
- Start a charging pump in maximum speed following a loss of CCW
- Align primary bleed-and-feed cooling on loss of secondary heat sink
- Isolate a stuck-open pressurizer power-operated relief valve

## **EXIT MEETINGS AND DEBRIEFS**

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

- On April 14, 2020, the inspectors presented the integrated inspection results to Anthony J. Vitale, Site Vice President, and other members of the licensee staff.
- On March 5, 2020, the inspectors presented the radiation protection inspection debrief for in-plant airborne radioactivity and radiation monitoring instrumentation (inspection procedures 71124.03 and 71124.05) inspection results to Anthony Vitale, Site Vice President, and other members of the licensee staff.
- On February 13, 2020, the inspectors presented the Part 21 report associated with A220 480V contractors failing to release/open when de-energized at Units 2 and 3 inspection results to Mahvash Mirzai, Regulatory Assurance Manager, and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Corrective Action Documents		CR-IP2-2010-03881, CR-IP2-2010-04395, CR-IP2-2010-04830, CR-IP2-2014-01364, CR-IP2-2014-01767, CR-IP2-2014-01983, CR-IP2-2015-01072, CR-IP2-2016-01973, CR-IP2-2016-02152, CR-IP2-2016-02383, CR-IP2-2018-01335, CR-IP2-2018-02008, CR-IP2-2018-02475, CR-IP2-2018-02541, CR-IP2-2018-02588, CR-IP2-2019-04736, CR-IP2-2019-04766, CR-IP2-2019- 04916	
	Drawings	9321-F-27363	Flow Diagram, Chemical & Volume Control System, Sheet No. 1	Revision 55
	Procedures	0-PIP-401-FRZ	Piping Freeze Seal Procedure	Revision 5
		2-PT-R027C	WCPPS Local Leak Rate	Revision 11
		2-PT-R027C-DS001	Containment Pressure Relief Valves PCV-1190 and PCV-1191	Revision 12
		EN-DC-214	Freeze Seal Evaluations	Revision 3
	Work Orders	00541612		
71111.05	Corrective Action Documents		CR-IP2-2020-00236	
	Corrective Action Documents Resulting from Inspection		CR-IP2-2020-00274, CR-IP2-2020-00275, CR-IP2-2020-00633	
	Fire Plans	PFP-205	Primary Auxiliary Building, 35'-0" Elevation and 42'-0" Elevation	Revision 0
		PFP-206	Piping Bay and Tunnel, PAB 35'-0", Primary Auxiliary Building	Revision 0
		PFP-252	Cable Spreading Room, Control Building	Revision 11
		PFP-252A	Battery Rooms, Control Building	Revision 0
		PFP-253	Control Room, Control Building	Revision 13
		PFP-254	Battery Room 23, Superheater Building	Revision 16
		PFP-307	General Floor Plan – Primary Auxiliary Building, 55'-0" Elevation	Revision 12
		PFP-307B	Charging Pumps – Primary Auxiliary Building	Revision 12

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Miscellaneous	TCE 20-046	Transient Combustible Evaluation for 32 Charging Pump Cell and Corridor	Revision 1
	Procedures	EN-MA-118	Foreign Material Exclusion	Revision 16
71111.11Q	Miscellaneous	13SX-LOR-SES024	PT-404 Fails High, Bus 6A Faults, ATWS, Faulted SG and MSIV Fails Open	Revision 4
	Procedures	2-POP-2.1	Operation at Greater Than 45% Power	Revision 66
		3-AOP-480V-1	Loss of Normal Power to Any Safeguards Bus	Revision 7
		3-AOP-INST-1	Instrument/Controller Failures	Revision 14
		3-E-0	Reactor Trip or Safety Injection	Revision 6
		3-E-1	Loss of Reactor or Secondary Coolant	Revision 4
		3-E-2	Faulted Steam Generator Isolation	Revision 2
		3-ES-1.1	SI Termination	Revision 4
		3-FR-S.1	Response to Nuclear Power Generation/ATWS	Revision 3
71111.13	Corrective Action Documents Resulting from Inspection		CR-IP2-2020-00476	
	Miscellaneous	EOOS	T-2 Risk Schedule for the Work Week March 23 to 27, 2020	March 19, 2020
		EOOS	Unit 3 Operator's On-Line Risk Report for January 9, 2020	January 9, 2020
		EOOS	Unit 3 Operators' On-Line Risk Report for March 30, 2020	March 30, 2020
		EOOS	Unit 3 Operator's On-Line Risk Report for February 5, 2020	February 5, 2020
		EOOS	Unit 2 Operators' On-Line Risk Report for March 23, 2020	March 23, 2020
		EOOS	Unit 2 Operators' On-Line Risk Report for March 24, 2020	March 24, 2020
		EOOS	Unit 2 Operators' On-Line Risk Report for March 25, 2020	March 25, 2020
		EOOS	Unit 2 Operators' On-Line Risk Report for March 26, 2020	March 26, 2020
		EOOS	Unit 2 Operators' On-Line Risk Report for March 27, 2020	March 27, 2020
	Procedures	EN-MA-119-02	General Material Handling	Revision 1
		EN-WM-104	On Line Risk Assessment	Revision 20
71111.15	Calculations	IP-CALC-19-00057	Leak Evaluation at 21 CCW HX Service Water Inlet Line Downstream of Valve SWN-34	Revision 2
		IP-CALC-20-00003	Structural PAD Reinforcement for Service Water Line #411 Elbow IAW ASME Code Case N-789-1	Revision 0
		IP-CALC-20-	Finite Element Analysis and Code Qualification of Leaking	Revision 0

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		00005	Service Water Elbow	
	Corrective Action Documents		CR-IP2-2018-06412, CR-IP2-2019-04593, CR-IP2-2019-04787, CR-IP2-2020-00014, CR-IP2-2020-00034, CR-IP2-2020-00098, CR-IP2-2020-00135, CR-IP2-2020-00142, CR-IP2-2020-00295, CR-IP3-2020-00741	
	Corrective Action Documents Resulting from Inspection		CR-IP2-2020-00172, CR-IP2-2020-00410	
	Miscellaneous	IP2-CISS/WCPS DBD	Design Basis Document for Weld Channel Pressurization System	Revision 1
	Procedures	0-CON-403-ALK	CBI Personal and Equipment Airlock Hatches	Revision 0
		2-PC-R9	RHR System Flow – CCR	Revision 19
		2-SOP-4.2.1	Residual Heat Removal System Operation	Revision 68
		EN-OP-104	Operability Determination Process	Revision 16
		EN-WM-100	Work Request Generation, Screening and Classification	Revision 15
	Work Orders	00538166		
		52453837		
		52579841		
		52731336		
71111.18	Corrective Action Documents		CR-IP2-2019-04593, CR-IP2-2019-04787, CR-IP2-2020-00014, CR-IP2-2020-00034, CR-IP2-2020-00098, CR-IP2-2020-00295	
	Drawings	Drawing 9321-F-27513, Sheet 1	Flow Diagram of Auxiliary Cooling System in Primary Building and Fuel Storage Building	Revision 34
	Engineering Changes	EC-85154	Install Freeze Seal for AC-723 Work	February 13, 2020
		EC-85530	Structural Pad Reinforcement for Service Water Line #411 Elbow IAW ASME Code Case N-789-1	Revision 0
	Miscellaneous	NRC Safety Evaluation by NRR	Proposed Alternative to Utilize ASME Code Case N-789-1 Relief Request RR-EN-15-1	Revision 1
	Procedures	0-PIP-401-FRZ	Piping Freeze Seal Procedure	Revision 5
		EN-DC-214,	Freeze Seal Evaluation Summary	Revision 3



Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		Attachment 9.3		
		EN-OP-102	Protective and Caution Tagging	Revision 24
	Work Orders	00528976		
71111.19	Corrective Action Documents		CR-IP2-2020-00289, CR-IP2-2020-00319	
	Miscellaneous	PICS	Unit 2 Plant Integrated Computer Readout for RCS Leak Rate (Point U6003)	March 27, 2019
	Procedures	0-EDG-407-ELC	Emergency and Appendix "R" Diesel Generator Engine Analysis/Inspection	Revision 8
		2-PT-M021C	Emergency Diesel Generator 23 Load Test	Revision 31
	Work Orders	00541612		
		51504824		
		52693170		
		52787951		
		52910898		
		52910904		
71111.22	Corrective Action Documents	FCV-1207	CR-IP3-2018-00901, CR-IP3-2018-01137, CR-IP3-2018-02067, CR-IP3-2019-03183	
		FCV-1210	CR-IP3-2015-02273, CR-IP3-2016-04166, CR-IP3-2019-00191, CR-IP3-2019-04175, CR-IP3-2020-00147, CR-IP3-2020-00429	
		Turbine Overspeed CRs	CR-IP3-2017-02848, CR-IP3-2017-05149, CR-IP3-2018-00054, CR-IP3-2019-01910	
	Engineering Evaluations	Evaluation 20-3001-00	Revise the IP3 TRM to Reduce the Test Frequency of the Low-Pressure Steam Dump Valves from Monthly to Quarterly	Revision 0
	Procedures	0-SOP-LEAKRATE-001	RCS Leakrate Surveillance, Evaluation, and Leak Identification	Revision 6
		2-PT-2Y045A	21 SWP Full Flow Test	Revision 5
		2-PT-Q013-DS082	Valve FCV-1123 IST Data Sheet	Revision 22
		2-PT-Q013-DS092A	Valve FTC-406C IST Data Sheet	Revision 30
		2-PT-Q013-	Valve FTC-406D IST Data Sheet	Revision 28

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		DS092B		
		2-PT-Q027A	21 Auxiliary Feed Pump	Revision 18
		2-PT-Q027B	23 Auxiliary Feed Pump	Revision 21
		2-PT-Q028A	21 Residual Heat Removal Pump	Revision 26
		3-PT-M024	Low Pressure Steam Dump Functional Test	Revision 20
		EN-LI-100 Attachment 9.1	PAD for Evaluation 20-3001-00, Revise the IP3 TRM to Reduce the Test Frequency of the Low-Pressure Steam Dump Valves from Monthly to Quarterly	Revision 0
	Work Orders	52807596		
		52810025		
		52865607		
		52865613		
		52904589		
		52904590		
		52904591		
		52909565		
		52912537		
71124.03	Procedures	EN-RP-501	Respiratory Protection Program	Revision 6
		EN-RP-505	PortaCount Respirator Fit Testing	Revision 7
71124.05	Miscellaneous	EN-RP-301	Instrument Response Check Failure Review, Telepole Number 11698, Attachment 4, dated February 23, 2019	Revision 12
		EN-RP-301	Instrument Response Check Failure Review, RO-2 Number 05473, Attachment 4, dated February 20, 2019	Revision 12
	Self-Assessments	Indian Point Energy Center Radiation Monitor EAL Review	Indian Point Energy Center Emergency Action Levels Review	October 10, 2019
71151	Miscellaneous	Email from T.R. Jones	Subject: Unit 2 & 3 RCS Activity for Jan - Dec 2019	March 18, 2020
		Unit 2 Chemistry Log		January 1 to December 31, 2019
		Unit 2 eSOMs	Operator Rounds Log, RCS Identified Leak Rate	January 1 to December 31,

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
				2019
		Unit 3 Chemistry Log	Dose Equivalent Iodine	January 1 to December 31, 2019
		Unit 3 Chemistry Log	RCS Dose Equivalent Iodine	January 1 to December 31, 2019
		Unit 3 eSOMs	Operator Rounds Log, RCS Identified Leak Rate	January 1 to December 31, 2019
71152	Corrective Action Documents		CR-IP2-2011-05166, CR-IP2-2015-03699, CR-IP3LO-2015-0032, CR-IP3-2018-03335, CR-IP3-2020-00256, CR-HQN-2020-00195	
			CR-HQN-2020-00134, CR-HQN-2020-00195, CR-IP2-2011-05166, CR-IP2-2015-03699, CR-IP2-2019-03907, CR-IP2-2020-00578, CR-IP3-LO-2015-00032, CR-IP3-2018-03335, CR-IP3-2019-03370, CR-IP3-2020-00256	
	Corrective Action Documents Resulting from Inspection		CR-HQN-2020-00729*	
	Procedures	EN-LI-102	Corrective Action Program	Revision 39
		EN-LI-108-01	10 CFR 21 Evaluations and Reporting	Revision 10
		EN-OP-123	Time Critical Action/Time Sensitive Action Program Standard	Revision 2
		EN-OP-123	Time Critical Action/Time Sensitive Action Program Standard	Revisions 001 and 002
		EN-SA-G-001	Identification and Documentation of Time Critical Actions	Revision 1
		EN-SA-G-001	Identification and Documentation of Time Critical Actions	Revision 1
		OAP-115	Operations Commitments and Policy Details	Revision 34