



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

August 28, 2018

Mr. Bryan Hanson
Senior VP, Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CLINTON POWER STATION, UNIT 1
(REPORT 05000461/2018005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, for Clinton Power Station. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In addition to the baseline inspection provided in the attached plan, Inspection Procedure 60855.1, "Operation of an ISFSI Independent Spent Fuel Storage Installation at Operating Plants," is planned for the week of October 1, 2018. As discussed in our July 11, 2018, Assessment Followup Letter, Clinton Power Station remained in the Regulatory Response Column (Column 2) of the NRC's Action Matrix based on a White Finding/Violation associated with the Division 3 shutdown service water (SX) pump. The NRC plans to conduct a supplemental inspection using Inspection Procedure 95001 to assess the effectiveness of your corrective actions taken to address this White Finding. The supplemental inspection is scheduled to begin on September 17, 2018.

In the 2017 End-of Cycle Assessment letter dated March 2, 2018, the NRC identified a cross-cutting theme in the Human Performance cross-cutting area. Specifically, there were 22 findings which had a cross-cutting aspect in this area. In the last 12 months there have been 16 findings which had a cross-cutting aspect in human performance. As a result, Clinton Power Station no longer meets the cross-cutting theme criteria. However, we encourage you to continue with your efforts to further improve human performance.

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

Please contact me at 630-829-9731 with any questions you have regarding this letter.

Sincerely,

/RA/

Karla Stoedter, Chief
Branch 1
Division of Reactor Projects

Docket No. 50-461
License No. NPF-62

Enclosure:
Inspection Report 05000461/2018005
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Karla Stoedter dated August 28, 2018

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CLINTON POWER STATION, UNIT 1
(REPORT 05000461/2018005)

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IP 22 Inspection Activity Plan Report

Clinton

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
INITIAL LICENSE EXAM AUG 2018						4
1	08/26/2018	09/08/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
95001 Division 3 Service Water Pump Failure						2
1	09/17/2018	09/21/2018	IP 95001	000938	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
ISFSI Cask Loading Inspection 4Q2018						2
1	10/01/2018	10/05/2018	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EP BASELINE INSPECTION / PI VERIFICATION						1
1	10/22/2018	10/26/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	10/22/2018	10/26/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	10/22/2018	10/26/2018	IP 71151	001397	Performance Indicator Verification	
1	11/05/2018	11/09/2018	IP 71114.02	000717	Alert and Notification System Testing	
DBA PROGRAM						3
1	10/29/2018	11/16/2018	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RADIATION PROTECTION BASELINE INSPECTION						1
1	11/26/2018	11/30/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
SECURITY BASELINE INSPECTION						1
1	02/19/2019	02/22/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
DBA TEAM						6
1	03/11/2019	03/29/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
RP Baseline						1
1	03/11/2019	03/15/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
EP EXERCISE INSPECTION / PI VERIFICATION						2
1	03/18/2019	03/22/2019	IP 71114.01	000716	Exercise Evaluation	
1	03/18/2019	03/22/2019	IP 71151	001397	Performance Indicator Verification	
SECURITY BASELINE INSPECTION						1
1	03/18/2019	03/22/2019	IP 71130.02	000734	Access Control	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Clinton

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
BIENNIAL PI&R INSPECTION						4
1	05/06/2019	05/24/2019	IP 71152B	000747	Problem Identification and Resolution	
CYBER SECURITY INSPECTION						5
1	08/05/2019	08/23/2019	IP 71130.10P	000741	Cyber Security	
2019 Clinton Exam						3
1	08/12/2019	08/16/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	09/09/2019	09/20/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
RP Baseline						2
1	08/26/2019	08/30/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/26/2019	08/30/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
SECURITY BASELINE INSPECTION						1
1	09/09/2019	09/13/2019	IP 71130.07	000739	Security Training	
1	09/09/2019	09/13/2019	IP 71151	001338	Performance Indicator Verification	
INSERVICE INSPECTION UNIT 1						1
1	09/16/2019	10/06/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP Baseline						2
1	09/23/2019	09/27/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/23/2019	09/27/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	09/23/2019	09/27/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/23/2019	09/27/2019	IP 71124.04	000729	Occupational Dose Assessment	
CORPORATE SECURITY BASELINE INSPECTION						4
1	01/14/2020	01/16/2020	IP 71130.08	000740	Fitness For Duty Program	
SECURITY BASELINE INSPECTION						1
1	02/10/2020	02/14/2020	IP 71130.02	000734	Access Control	
1	02/10/2020	02/14/2020	IP 71130.08	000740	Fitness For Duty Program	
RP Baseline Inspection						1
1	03/02/2020	03/06/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	03/02/2020	03/06/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	

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09/01/2018 - 06/30/2020

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FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS						7
1	03/23/2020	03/27/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	04/13/2020	04/17/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
TRIENNIAL HEAT SINK INSPECTION						2
1	04/06/2020	04/10/2020	IP 71111.07T	000700	Heat Sink Performance -Triennial	
RP Baseline Inspection						1
1	05/04/2020	05/08/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	