



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2018

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR QUAD CITIES NUCLEAR POWER  
STATION, UNITS 1 AND 2 (REPORT 05000254/2017006; 05000265/2017006)**

Dear Mr. Hanson:

The NRC has completed its end-of-cycle performance assessment of Quad Cities Nuclear Power Station, Units 1 and 2, reviewing performance indicators (PIs), inspection results and enforcement actions from January 1, 2017, through December 31, 2017. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Quad Cities Nuclear Power Station, Units 1 and 2, during the most recent quarter was within the Licensee Response Column (Column 1) of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low safety significance (i.e., Green) and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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 12 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 baseline inspection, the NRC inspection schedule includes two infrequently performed inspections. The inspections include Inspection Procedure (IP) 60853, "On-Site Fabrication of Components and Construction of an ISFSI [Independent Spent Fuel Storage Installation]," and IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants."

This letter and its enclosure 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 Nos. 50-254; 50-265  
License Nos. DPR-29; DPR-30

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Karla Stoedter dated March 2, 2018

SUBJECT: ANNUAL ASSESSMENT LETTER FOR QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 (REPORT 05000254/2017006; 05000265/2017006)

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# IP 22 Inspection Activity Plan Report

## 07200053 - Quad Cities (ISFSI)

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>ISFSI Pad Inspection</b>						3
1	04/30/2018	05/03/2018	IP 60853	000999	On-Site Fabrication Of Components And Construction On An ISFSI	

# IP 22 Inspection Activity Plan Report

## Quad Cities

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>INSERVICE INSPECTION UNIT 2</b>						1
2	03/19/2018	04/04/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						2
1, 2	03/19/2018	03/23/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/19/2018	03/23/2018	IP 71124.04	000728	Occupational Dose Assessment	
<b>INITIAL EXAM JULY 2018</b>						7
1, 2	03/19/2018	03/23/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/17/2018	06/23/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	07/15/2018	07/28/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	04/02/2018	04/06/2018	IP 71130.01	000733	Access Authorization	
1, 2	04/02/2018	04/06/2018	IP 71130.02	000734	Access Control	
1, 2	04/02/2018	04/06/2018	IP 71151	001338	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	07/23/2018	07/27/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
<b>ISFSI Cask Loading Inspection</b>						2
1, 2	08/13/2018	08/17/2018	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>DBA PROGRAMS</b>						3
1, 2	08/20/2018	09/07/2018	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
1, 2	09/10/2018	09/28/2018	IP 71152B	000747	Problem Identification and Resolution	
<b>FORCE-ON-FORCE PLANNING &amp; EXERCISE WEEK</b>						7
1, 2	10/01/2018	10/05/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	10/22/2018	10/26/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>EP EXERCISE/PI VERIFICATION</b>						2
1	10/08/2018	12/07/2018	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	

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

## Quad Cities

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EP EXERCISE/PI VERIFICATION</b>						2
1	12/03/2018	12/07/2018	IP 71114.01	000716	Exercise Evaluation	
1	12/03/2018	12/07/2018	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL HEAT SINK INSPECTION</b>						2
1, 2	11/05/2018	11/09/2018	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
1, 2	12/10/2018	12/14/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>TRIENNIAL 50.59 INSPECTION</b>						3
1	01/14/2019	01/18/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>INSERVICE INSPECTION UNIT 1</b>						1
1	03/18/2019	04/03/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
1, 2	03/18/2019	03/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>FLEX/MITIGATING STRATEGIES/SFP</b>						4
1, 2	04/22/2019	04/26/2019	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	05/20/2019	05/24/2019	IP 71130.02	000734	Access Control	
1, 2	05/20/2019	05/24/2019	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	05/20/2019	05/24/2019	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						2
1, 2	06/03/2019	06/07/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/03/2019	06/07/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	08/12/2019	08/16/2019	IP 71130.07	000739	Security Training	
1, 2	08/12/2019	08/16/2019	IP 71151	001338	Performance Indicator Verification	

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## Quad Cities

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
1	09/16/2019	09/20/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>BIENNIAL REQUAL PROGRAM INSPECTION</b>						2
1, 2	10/21/2019	10/25/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>Triennial Fire Protection Inspection</b>						3
1	11/04/2019	12/06/2019	IP 71111.05T	000696	Fire Protection (Triennial)	
<b>EP BASELINE INSPECTION /PI VERIFICATION</b>						1
1, 2	11/04/2019	11/08/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	11/04/2019	11/08/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	11/04/2019	11/08/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/04/2019	11/08/2019	IP 71151	001397	Performance Indicator Verification	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
1	12/02/2019	12/06/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	