



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

August 28, 2018

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

SUBJECT: UPDATED INSPECTION PLAN FOR BYRON STATION, UNITS 1 AND 2
(REPORT 05000454/2018005 AND 05000455/2018005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, for Byron Station, Units 1 and 2. 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.

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 630-829-9620 with any questions you have regarding this letter.

Sincerely,

/RA/

Eric R. Duncan, Chief
Branch 3
Division of Reactor Projects

Docket Nos. 50-454; 50-455
License Nos. NPF-37; NPF-66

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Eric Duncan dated August 28, 2018

SUBJECT: UPDATED INSPECTION PLAN FOR BYRON STATION, UNITS 1 AND 2
(REPORT 05000454/2018005 AND 05000455/2018005)

DISTRIBUTION:

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DATE	8/28/2018						

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Byron

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RADIATION PROTECTION BASELINE INSPECTION						2
1, 2	09/17/2018	09/21/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/17/2018	09/21/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	09/17/2018	09/21/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/17/2018	09/21/2018	IP 71124.04	000728	Occupational Dose Assessment	
SECURITY BASELINE INSPECTION						2
1, 2	09/17/2018	09/21/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	09/17/2018	09/21/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
EP BASELINE INSPECTION / PI VERIFICATION						1
1, 2	10/15/2018	10/19/2018	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	10/15/2018	10/19/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	10/15/2018	10/19/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/15/2018	10/19/2018	IP 71151	001397	Performance Indicator Verification	
BIENNIAL REQUAL PROGRAM INSPECTION						2
1, 2	10/22/2018	10/26/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
INITIAL EXAM JAN 2019						3
1, 2	12/10/2018	12/14/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	01/06/2019	01/25/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
TRIENNIAL FIRE PROTECTION INSPECTION						3
1	02/04/2019	03/08/2019	IP 71111.05T	000696	Fire Protection (Triennial)	
SECURITY BASELINE INSPECTION						1
1, 2	02/25/2019	03/01/2019	IP 71130.02	000734	Access Control	
INSERVICE INSPECTION UNIT 2						1
2	04/08/2019	04/26/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
RADIATION PROTECTION BASELINE INSPECTION						1
1, 2	04/08/2019	04/12/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

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

Byron

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY BASELINE INSPECTION						1
1, 2	05/20/2019	05/24/2019	IP 71130.07	000739	Security Training	
1, 2	05/20/2019	05/24/2019	IP 71151	001338	Performance Indicator Verification	
RADIATION PROTECTION BASELINE INSPECTION						2
1, 2	07/08/2019	07/12/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	07/08/2019	07/12/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
TRIENNIAL HEAT SINK INSPECTION						2
1, 2	07/29/2019	08/02/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
BIENNIAL PI&R INSPECTION						4
1, 2	08/05/2019	08/23/2019	IP 71152B	000747	Problem Identification and Resolution	
2019 NRC Dev Exam BYRON						3
1, 2	08/18/2019	08/23/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	09/29/2019	10/04/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	10/27/2019	11/01/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
1, 2	11/03/2019	11/08/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
PRE-ONSITE VALIDATION OF NRC-WRITTEN EXA						2
1	08/19/2019	08/23/2019	PREP	000959	(PREP)	
DBA PROGRAM						3
1, 2	08/26/2019	09/13/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RP Baseline						1
1, 2	09/16/2019	09/20/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
EP EXERCISE INSPECTION / PI VERIFICATION						2
1, 2	10/28/2019	11/01/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/28/2019	11/01/2019	IP 71151	001397	Performance Indicator Verification	
CORPORATE SECURITY BASELINE INSPECTION						4
1, 2	01/14/2020	01/16/2020	IP 71130.08	000740	Fitness For Duty Program	

IP 22 Inspection Activity Plan Report

Byron

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RP Baseline Inspection						1
1, 2	02/03/2020	02/07/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
SECURITY BASELINE INSPECTION						1
1, 2	02/03/2020	02/07/2020	IP 71130.02	000734	Access Control	
1, 2	02/03/2020	02/07/2020	IP 71130.08	000740	Fitness For Duty Program	
Inservice inspection Byron Unit 1						1
1	03/09/2020	03/27/2020	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
RP Baseline Inspection						1
1, 2	03/16/2020	03/20/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
SECURITY BASELINE INSPECTION						1
1, 2	04/27/2020	05/01/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	04/27/2020	05/01/2020	IP 71151	001338	Performance Indicator Verification	