



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

August 28, 2017

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 05000454/2017005 AND 05000455/2017005)**

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019, for Byron Station, Units 1 and 2. The U.S. Nuclear Regulatory Commission (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 inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," will be performed beginning on March 1, 2018, as shown in the attached inspection plan.

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

Sincerely,

*/RA/*

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

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

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Eric Duncan dated August 28, 2017

SUBJECT: UPDATED INSPECTION PLAN FOR BYRON STATION, UNITS 1 AND 2  
(REPORT 05000454/2017005 AND 05000455/2017005)

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**Byron**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>FLEX - FLEX AND SFP FOLLOWUP</b>		<b>4</b>
1, 2	08/28/2017	09/01/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	10/10/2017	10/13/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/10/2017	10/13/2017	IP 71124.04	Occupational Dose Assessment	
			<b>ISI - INSERVICE INSPECTION UNIT 2</b>		<b>1</b>
2	10/02/2017	10/23/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>BI ENG - DBA TEAM INSPECTION</b>		<b>6</b>
1, 2	01/15/2018	02/02/2018	IP 7111121M	Design Bases Assurance Inspection (Teams)	
			<b>OL PREP - INITIAL PREP DEC 2017</b>		<b>4</b>
1	11/13/2017	11/17/2017	W90369	OL - INITIAL EXAM - 2017 DEC - BYRON	
			<b>OL EXAM - INITIAL EXAM DEC 2017</b>		<b>3</b>
1	12/04/2017	12/15/2017	W90369	OL - INITIAL EXAM - 2017 DEC - BYRON	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	01/29/2018	02/02/2018	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>ISFSI - ISFSI CASK LOADING INSPECTION</b>		<b>2</b>
1, 2	03/01/2018	05/01/2018	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	07/23/2018	07/27/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>ISI - INSERVICE INSPECTION UNIT 1</b>		<b>1</b>
1	09/10/2018	09/28/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>2</b>
1	09/17/2018	09/21/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/17/2018	09/21/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/17/2018	09/21/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/17/2018	09/21/2018	IP 71124.04	Occupational Dose Assessment	
1	09/17/2018	09/21/2018	IP 71151	Performance Indicator Verification	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
1, 2	11/26/2018	11/30/2018	IP 7111111B	Licensed Operator Requalification Program	
			<b>OL PREP - INITIAL PREP DEC 2018</b>		<b>3</b>
1	12/10/2018	12/14/2018	W90370	OL - INITIAL EXAM - 2019- JANUARY - BYRON	
			<b>OL EXAM - INITIAL EXAM JAN 2019</b>		<b>4</b>
1	01/07/2019	01/23/2019	W90382	OL - INITIAL EXAM - 2019 OCT 2108 - APRIL 2019 - BYRON EXAM #1	

This report does not include INPO and OUTAGE activities.  
 This report shows only on-site and announced inspection procedures.

**Byron**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>
1	02/04/2019	03/08/2019	IP 7111105T	Fire Protection [Triennial]	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	04/08/2019	04/12/2019	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>ISI - INSERVICE INSPECTION UNIT 2</b>		<b>1</b>
2	04/08/2019	04/26/2019	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>2</b>
1	06/17/2019	06/21/2019	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	06/17/2019	06/21/2019	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
1, 2	06/24/2019	07/12/2019	IP 71152B	Problem Identification and Resolution	

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