



**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 BRAIDWOOD STATION, UNITS 1 AND 2
(REPORT 05000456/2017005 AND 05000457/2017005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019, for Braidwood 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.

Temporary Instruction (TI)-191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans," will be performed the week of January 16, 2018, as shown in the attached inspection plan. TI-191 is being performed as part of the routine follow-up to Fukushima-related orders.

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. 50-456 and 50-457
License Nos. NPF-72 and NPF-77

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

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

SUBJECT: UPDATED INSPECTION PLAN FOR BRAIDWOOD STATION, UNITS 1 AND 2
(REPORT 05000456/2017005 AND 05000457/2017005)

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Braidwood
Inspection / Activity Plan
09/01/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL-RQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
1, 2	09/25/2017	09/29/2017	IP 7111111B	Licensed Operator Requalification Program	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	10/02/2017	10/06/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			BI EP - EP BASELINE INSPECTION/ PI VERIFICATION		1
1, 2	10/02/2017	10/06/2017	IP 7111402	Alert and Notification System Testing	
1, 2	10/02/2017	10/06/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	10/02/2017	10/06/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/02/2017	10/06/2017	IP 71151	Performance Indicator Verification	
			BI ENG - TRIENNIAL HEAT SINK INSPECTION		3
1, 2	11/13/2017	11/17/2017	IP 7111107T	Heat Sink Performance	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	01/22/2018	01/26/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	01/22/2018	01/26/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	01/22/2018	01/26/2018	IP 71124.04	Occupational Dose Assessment	
			FLEX - FLEX AND SFP FOLLOWUP		4
1, 2	01/16/2018	01/19/2018	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			EP - EP EXERCISE/PI VERIFICATION		2
1	03/05/2018	03/09/2018	IP 7111401	Exercise Evaluation	
1	03/05/2018	03/09/2018	IP 7111406	Drill Evaluation	
1	03/05/2018	03/09/2018	IP 7111408	Exercise Evaluation – Scenario Review	
1	03/05/2018	03/09/2018	IP 71151	Performance Indicator Verification	
			BI ENG - DBA PROGRAMS INSPECTION		1
1, 2	03/12/2018	03/30/2018	IP 7111121N	Design Bases Assurance Inspection (Programs)	
			ISI - INSERVICE INSPECTION UNIT 1		1
1	04/09/2018	04/27/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
1	04/16/2018	04/20/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/16/2018	04/20/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/16/2018	04/20/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/16/2018	04/20/2018	IP 71124.04	Occupational Dose Assessment	
1	04/16/2018	04/20/2018	IP 71151	Performance Indicator Verification	
			BI PI&R - BIENNIAL PI&R INSPECTION		4
1, 2	07/16/2018	08/03/2018	IP 71152B	Problem Identification and Resolution	

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

Braidwood
Inspection / Activity Plan
09/01/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			OL PREP - INIT PREP APRIL 2018		3
1	04/30/2018	05/04/2018	W90368	OL - INITIAL EXAM - 2018 JAN-JUNE - BRAIDWOOD	
			BI FIRE - FIRE PROTECTION AND BAG TRIP		3
1, 2	05/07/2018	06/08/2018	IP 7111105T	Fire Protection [Triennial]	
			OL EXAM - INITIAL EXAM JUNE 2018		3
1	05/29/2018	06/06/2018	W90368	OL - INITIAL EXAM - 2018 JAN-JUNE - BRAIDWOOD	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
1	08/13/2018	08/17/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/13/2018	08/17/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/13/2018	08/17/2018	IP 71151	Performance Indicator Verification	
			ISI - INSERVICE INSPECTION UNIT 2		1
2	10/08/2018	10/26/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	10/15/2018	10/19/2018	IP 71124.05	Radiation Monitoring Instrumentation	
			BI ENG - DBA TEAM		6
1, 2	01/14/2019	02/01/2019	IP 7111121M	Design Bases Assurance Inspection (Teams)	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
1	02/11/2019	02/15/2019	IP 71124.05	Radiation Monitoring Instrumentation	
1	02/11/2019	02/15/2019	IP 71151	Performance Indicator Verification	
			BI EP - EP BASELINE INSPECTION / PI VERIFICATION		1
1, 2	02/25/2019	03/01/2019	IP 7111402	Alert and Notification System Testing	
1, 2	02/25/2019	03/01/2019	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	02/25/2019	03/01/2019	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	02/25/2019	03/01/2019	IP 71151	Performance Indicator Verification	
			ISFSI - ISFSI CASK LOADING INSPECTION		1
1, 2	04/01/2019	05/01/2019	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			OL PREP - INITIAL PREP MAY/JUNE 2019		3
1	05/06/2019	05/10/2019	W90381	OL - INITIAL EXAM - 2019 MARCH-SEPT - BRAIDWOOD	
			OL EXAM - INITIAL EXAM MAY/JUNE 2019		3
1	06/03/2019	06/14/2019	W90381	OL - INITIAL EXAM - 2019 MARCH-SEPT - BRAIDWOOD	