



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

August 28, 2019

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

SUBJECT: LIMERICK GENERATING STATION, UNITS 1 AND 2 – UPDATED INSPECTION  
PLAN (INSPECTION REPORTS 05000352/2019005 AND 05000353/2019005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2021, for Limerick Generating 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.

NRC Region I plans to conduct inspections per Temporary Instruction 2515/194, "Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems," Inspection Procedure 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection," and Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," at your facility during the period.

You should be aware that the agency is pursuing potential changes to the Reactor Oversight Process, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the Reactor Oversight Process be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of

NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-5337 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Jonathan E. Greives, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos. 50-352 and 50-353  
License Nos. NPF-39 and NPF-85

Enclosure:  
Inspection Plan

cc: Distribution via ListServ

SUBJECT: LIMERICK GENERATING STATION, UNITS 1 AND 2 – UPDATED INSPECTION  
PLAN (INSPECTION REPORTS 05000352/2019005 AND 05000353/2019005)  
DATED AUGUST 28, 2019

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OFFICIAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## Limerick

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>LM-ACCESS CONTROL, EQUIP PERF, TRAINING</b>						3
1, 2	07/08/2019	07/12/2019	IP 71130.02	000734	Access Control	
1, 2	07/08/2019	07/12/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	07/08/2019	07/12/2019	IP 71130.07	000739	Security Training	
1, 2	07/08/2019	07/12/2019	IP 71151	001338	Performance Indicator Verification	
<b>Material Control and Accountability</b>						1
1, 2	08/18/2019	08/24/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>ISFSI OPERATIONAL INSPECTION</b>						2
1, 2	08/26/2019	08/30/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>RADIATION SAFETY - REMP</b>						1
1, 2	09/08/2019	09/14/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>DECEMBER 2019 LIMERICK INITIAL EXM FY20</b>						4
1, 2	09/22/2019	09/28/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	12/01/2019	12/07/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>TI-194 Open Phase Condition Inspection - Limerick</b>						2
1, 2	10/07/2019	10/11/2019	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
<b>LIMERICK REQUAL INSP W/ P/F RESULTS</b>						2
1, 2	10/20/2019	10/26/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1, 2	10/20/2019	10/26/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EP EXERCISE INSPECTION</b>						5
1, 2	11/18/2019	11/22/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2	11/18/2019	11/22/2019	IP 71151	001397	Performance Indicator Verification	
<b>Radiation Safety - RETS &amp; PIV</b>						1
1, 2	12/09/2019	12/13/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	

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Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Radwaste</b>						1
1, 2	01/06/2020	01/10/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>LM-Access Authorization and Fitness for Duty</b>						3
1, 2	01/06/2020	01/10/2020	IP 71130.01	000733	Access Authorization	
1, 2	01/06/2020	01/10/2020	IP 71130.08	000740	Fitness For Duty Program	
<b>CYBER FULL IMP</b>						4
1, 2	01/13/2020	01/17/2020	IP 71130.10P	000741	Cyber Security	
1, 2	01/27/2020	01/31/2020	IP 71130.10P	000741	Cyber Security	
<b>Radiation Safety - ALARA</b>						1
1, 2	01/27/2020	01/31/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>10 CFR 50.69 Implementation Inspection</b>						4
1, 2	02/10/2020	02/14/2020	IP 37060	000521	IP 37060, "10 CFR 50.69, Risk-Informed Categorization and Treatment of Structures, Systems	
1, 2	02/24/2020	02/28/2020	IP 37060	000521	IP 37060, "10 CFR 50.69, Risk-Informed Categorization and Treatment of Structures, Systems	
<b>Radiation Safety - Rad Haz</b>						1
1, 2	03/30/2020	04/03/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/30/2020	04/03/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/30/2020	04/03/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>ISI - UNIT 1</b>						1
1	04/06/2020	04/10/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>PI&amp;R Biennial Team Inspection</b>						4
1, 2	06/08/2020	06/12/2020	IP 71152B	000747	Problem Identification and Resolution	
1, 2	06/22/2020	06/26/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>50.59 INSPECTION</b>						3
1, 2	07/20/2020	07/24/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	

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## Limerick

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>LIMERICK EP PROGRAM INSPECTION</b>						1
1, 2	09/07/2020	09/11/2020	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	09/07/2020	09/11/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	09/07/2020	09/11/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	09/07/2020	09/11/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	09/07/2020	09/11/2020	IP 71151	001397	Performance Indicator Verification	
<b>PROGRAM INSPECTION</b>						3
1, 2	09/14/2020	09/18/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	09/28/2020	10/02/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>Radiation Safety - Airborne</b>						1
1, 2	09/14/2020	09/18/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>Access Control, Protective Strategy, TSR</b>						4
1, 2	10/05/2020	10/09/2020	IP 71130.02	000734	Access Control	
1, 2	10/05/2020	10/09/2020	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	10/05/2020	10/09/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
1, 2	10/05/2020	10/09/2020	IP 71151	001338	Performance Indicator Verification	
<b>FY21 LIMERICK INITIAL OL EXAM</b>						4
1	11/08/2020	11/14/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	12/06/2020	12/12/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>TRIENNIAL HEAT SINK</b>						1
1, 2	11/16/2020	11/20/2020	IP 71111.07T	000700	Heat Sink Performance	
<b>Radiation Safety - Dose &amp; PIV</b>						1
1, 2	12/14/2020	12/18/2020	IP 71124.04	000728	Occupational Dose Assessment	
<b>DESIGN BASIS ASSURANCE INSPECTION - TEAM</b>						6
1, 2	01/24/2021	01/30/2021	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	02/07/2021	02/13/2021	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>Radiation Safety - Instruments</b>						1
1, 2	02/15/2021	02/19/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	

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

## Limerick

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>INSERVICE INSPECTION - UNIT 2</b>						1
2	05/02/2021	05/08/2021	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>Radiation Safety - Rad Hazards</b>						1
1, 2	05/03/2021	05/07/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	