



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

March 4, 2019

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE R.E. GINNA NUCLEAR POWER  
PLANT, LLC (REPORT 05000244/2018006)

Dear Mr. Hanson,

The NRC has completed its end-of-cycle performance assessment of your R.E. Ginna Nuclear Power Plant, LLC (Ginna), reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018, through December 31, 2018. 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 Ginna during the most recent quarter was within the Licensee Response Column (Column 1) of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," 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 Ginna.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. 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. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. Furthermore, all 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 normal baseline inspections, the NRC will be performing Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," and IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," at your facility.

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's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC's Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-5120 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Erin Carfang, Chief  
Projects Branch 1  
Division of Reactor Projects

Docket No. 50-244  
License No. DPR-18

Enclosure:  
R.E. Ginna Inspection Plan

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE R.E. GINNA NUCLEAR POWER PLANT, LLC (REPORT 05000244/2018006) DATED MARCH 4, 2019

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# IP 22 Inspection Activity Plan Report

## Ginna

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>GINNA LICENSE RENEWAL PHASE 4</b>						3
1	03/18/2019	03/22/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RADIATION SAFETY - RAD HAZ</b>						1
1	03/25/2019	03/29/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RADIATION SAFETY - INSTRUMENTS</b>						1
1	05/13/2019	05/17/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>DBAI - Teams</b>						6
1	06/10/2019	06/14/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	06/24/2019	06/28/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>RADIATION SAFETY - REMP</b>						1
1	07/08/2019	07/12/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						8
1	08/05/2019	08/09/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	08/26/2019	08/30/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>EP EXERCISE INSPECTION</b>						5
1	08/19/2019	08/23/2019	IP 71114.01	000716	Exercise Evaluation	
1	08/19/2019	08/23/2019	IP 71151	001397	Performance Indicator Verification	
<b>ISFSI OPERATIONAL INSPECTION</b>						1
1	09/30/2019	10/04/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>Radiation Safety - RETS &amp; PIV</b>						1
1	09/30/2019	10/04/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	09/30/2019	10/04/2019	IP 71151	000746	Performance Indicator Verification	
<b>ACCESS AUTH &amp; CONTROL, FITNESS FOR DUTY</b>						3
1	10/21/2019	10/25/2019	IP 71130.01	000733	Access Authorization	
1	10/21/2019	10/25/2019	IP 71130.02	000734	Access Control	
1	10/21/2019	10/25/2019	IP 71130.06	000738	Protection of Safeguards Information	
1	10/21/2019	10/25/2019	IP 71130.08	000740	Fitness For Duty Program	
1	10/21/2019	10/25/2019	IP 71151	001338	Performance Indicator Verification	

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

## Ginna

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>PI&amp;R Biennial Team Inspection</b>						4
1	02/10/2020	02/14/2020	IP 71152B	000747	Problem Identification and Resolution	
1	02/24/2020	02/28/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>Radwaste</b>						1
1	04/06/2020	04/10/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>Radiation Safety - Rad Haz</b>						1
1	04/13/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/13/2020	04/17/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/13/2020	04/17/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>ISI - UNIT 1</b>						1
1	04/19/2020	05/02/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>Radiation Safety - ALARA</b>						1
1	06/01/2020	06/05/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>MATERIAL CONTROL AND ACCOUNTABILITY</b>						1
1	07/13/2020	07/17/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>Access Control, Protective Strategy, TSR</b>						4
1	07/20/2020	07/24/2020	IP 71130.02	000734	Access Control	
1	07/20/2020	07/24/2020	IP 71130.05	000737	Protective Strategy Evaluation	
1	07/20/2020	07/24/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
1	07/20/2020	07/24/2020	IP 71151	001338	Performance Indicator Verification	
<b>GINNA EP PROGRAM INSPECTION</b>						1
1	07/27/2020	07/31/2020	IP 71114.02	000717	Alert and Notification System Testing	
1	07/27/2020	07/31/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	07/27/2020	07/31/2020	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	07/27/2020	07/31/2020	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL HEAT SINK</b>						1
1	08/03/2020	08/07/2020	IP 71111.07T	000700	Heat Sink Performance -Triennial	

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# IP 22 Inspection Activity Plan Report

## Ginna

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Radiation Safety - Airborne</b>						1
1	08/17/2020	08/21/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>50.59 INSPECTION</b>						3
1	09/14/2020	09/18/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>FY2020 GINNA INITIAL OL EXAM</b>						5
1	09/14/2020	09/18/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/12/2020	10/23/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Radiation Safety - Dose &amp; PIV</b>						1
1	10/19/2020	10/23/2020	IP 71124.04	000729	Occupational Dose Assessment	
1	10/19/2020	10/23/2020	IP 71151	000746	Performance Indicator Verification	
<b>PROGRAM INSPECTION</b>						3
1	11/02/2020	11/06/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1	11/16/2020	11/20/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>Ginna Requal Inspection with P/F Results</b>						2
1	12/14/2020	12/18/2020	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
1	12/14/2020	12/18/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	