



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

February 28, 2018

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:** ANNUAL ASSESSMENT LETTER FOR R. E. GINNA NUCLEAR POWER PLANT, LLC (REPORTS 05000244/2017006, 05000244/2017402, AND 05000244/2017501)

Dear Mr. Hanson:

The NRC has completed its end-of-cycle performance assessment of R. E. Ginna Nuclear Power Plant LLC (Ginna), reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. 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, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, 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 your facility.

Ginna was in the Regulatory Response Column of the NRC's ROP Action Matrix until the end of first quarter 2017. This was based on a single inspection finding having low-to-moderate safety significance (i.e., White) in the Emergency Preparedness Cornerstone originating in the second quarter of 2016, and all PIs within the expected range (i.e., Green). This was documented in inspection report and assessment follow-up letter (05000244/2016009) (ML16262A213) dated September 20, 2016. On November 28, 2016, the NRC issued a supplemental inspection report (05000244/2016010) (ML16333A024) which stated that your actions to address the performance issue were acceptable and the finding was closed. On April 3, 2017, the NRC issued an assessment follow-up letter (05000244/2017009) (ML17093A560) returning Ginna to the Licensee Response Column of the NRC Action Matrix effective April 1, 2017.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. 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. 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.

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 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 Michelle Catts, Acting Branch Chief, Projects Branch 1, at 610-337-5012 with any questions you have regarding this letter.

Sincerely,

*/RA/*

David L. Pelton, Director,  
Division of Reactor Projects

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

Enclosure:  
R. E. Ginna Inspection Plan

cc: Distribution via ListServ

SUBJECT: ANNUAL ASSESSMENT LETTER FOR R. E. GINNA NUCLEAR POWER PLANT, LLC (REPORTS 05000244/2017006, 05000244/2017402, AND 05000244/2017501) DATED FEBRUARY 28, 2018

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<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
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DATE	2/15/18	2/20/18	2/27/18		

OFFICIAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## Ginna

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>PI&amp;R BIENNIAL</b>						1
1	03/05/2018	03/09/2018	IP 71152B	000747	Problem Identification and Resolution	
1	03/19/2018	03/23/2018	IP 71152B	000747	Problem Identification and Resolution	
<b>RADIATION SAFETY - ALARA</b>						1
1	03/19/2018	03/23/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>CYBER FULL IMP</b>						4
1	03/26/2018	03/30/2018	IP 71130.10P	000741	Cyber Security	
1	04/09/2018	04/13/2018	IP 71130.10P	000741	Cyber Security	
<b>RADWASTE</b>						1
1	04/16/2018	04/20/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>ACCESS CONTROL, EQUIP PERF, TRAINING</b>						3
1	05/21/2018	05/25/2018	IP 71130.02	000734	Access Control	
1	05/21/2018	05/25/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	05/21/2018	05/25/2018	IP 71130.07	000739	Security Training	
1	05/21/2018	05/25/2018	IP 71151	001338	Performance Indicator Verification	
<b>TRIENNIAL FIRE PROTECTION</b>						4
1	06/04/2018	06/08/2018	IP 71111.05T	000696	Fire Protection (Triennial)	
1	06/18/2018	06/22/2018	IP 71111.05T	000696	Fire Protection (Triennial)	
<b>RADIATION SAFETY - AIRBORNE</b>						1
1	06/25/2018	06/29/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>RADIATION SAFETY - DOSIMETRY</b>						1
1	07/23/2018	07/27/2018	IP 71124.04	000729	Occupational Dose Assessment	
<b>EP PROGRAM INSPECTION</b>						1
1	07/30/2018	08/03/2018	IP 71114.02	000717	Alert and Notification System Testing	
1	07/30/2018	08/03/2018	IP 71114.03	000718	Emergency Preparedness Organization Staffing and Augmentation System	
1	07/30/2018	08/03/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	07/30/2018	08/03/2018	IP 71151	001397	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

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## Ginna

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>GINNA INITIAL OL EXAM</b>						<b>9</b>
1	07/30/2018	08/03/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	08/27/2018	09/07/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>RADIATION SAFETY - RAD HAZ &amp; PIV</b>						<b>1</b>
1	10/22/2018	10/26/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/22/2018	10/26/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	10/22/2018	10/26/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/22/2018	10/26/2018	IP 71151	000746	Performance Indicator Verification	
<b>UNIT 1 INSERVICE INSPECTION</b>						<b>1</b>
1	10/29/2018	11/09/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>GINNA REQUAL INSP W/ P/F RESULTS</b>						<b>2</b>
1	11/12/2018	11/16/2018	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance - Annual	
1	11/12/2018	11/16/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>GINNA LICENSE RENEWAL PHASE 4</b>						<b>2</b>
1	03/11/2019	03/15/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RADIATION SAFETY - RAD HAZ</b>						<b>1</b>
1	03/25/2019	03/29/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RADIATION SAFETY - INSTRUMENTS</b>						<b>1</b>
1	05/13/2019	05/17/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>ISFSI OPERATIONAL INSPECTION</b>						<b>1</b>
1	05/20/2019	05/24/2019	IP 60855	001001	Operation Of An ISFSI	
1	05/20/2019	05/24/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>DBAI - Teams</b>						<b>4</b>
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)	

# IP 22 Inspection Activity Plan Report

## Ginna

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<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>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, SGI CONTROL, FFD</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	