



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

March 3, 2020

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE R.E. GINNA NUCLEAR POWER  
PLANT, LLC (REPORT 05000244/2019006)

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, 2019, through December 31, 2019. 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, 2021. 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") 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 ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. Furthermore, all 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.

Additionally, Region I plans to conduct inspections in accordance with Temporary Instruction 2515/194, "Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems (NRC Bulletin 2012-01)," as well as Inspection Procedures (IP) 60854.1, "Preoperational Testing of an Independent Spent Fuel Storage Facility Installations at Operating Plants" and IP 60855.1,

“Operation of an ISFSI Independent Spent Fuel Storage Facility Installation at Operating Plants.”

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,

X /RA/

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Signed by: Erin E. Carfang

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 05000244/2019006) DATED MARCH 3, 2020

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ADAMS ACCESSION NUMBER: ML20059L858

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OFFICE	RI/DRP	RI/DRP			
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# IP 22 Inspection Activity Plan Report

## Ginna

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Annual PIR Sample - Safety Related Pump Oil Sampling</b>						1
1	01/13/2020	01/17/2020	IP 71152	000748	Problem Identification and Resolution	
<b>PI&amp;R Biennial Team Inspection - GN</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>TI-194 Open Phase Condition Inspection - Ginna</b>						2
1	03/23/2020	03/27/2020	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>ISI - UNIT 1</b>						1
1	04/12/2020	04/24/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>Radiation Safety - Rad Haz</b>						1
1	04/13/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>Material Control and Accountability - Ginna</b>						1
1	07/13/2020	07/17/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>ISFSI Dry Run &amp; Operational Inspection - Ginna</b>						2
1	07/20/2020	07/24/2020	IP 60854.1	000589	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
1	08/03/2020	08/07/2020	IP 60854.1	000589	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
1	08/17/2020	08/21/2020	IP 60854.1	000589	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
1	09/07/2020	09/11/2020	IP 60854.1	000589	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
1	09/14/2020	09/18/2020	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>Access Control, Protective Strategy, TSR-GN</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	

This report does not include INPO and OUTAGE activities.

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

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## Ginna

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Access Control, Protective Strategy, TSR-GN</b>						4
1	07/20/2020	07/24/2020	IP 71151	001338	Performance Indicator Verification	
<b>EP PROGRAM INSPECTION - GINNA</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 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	07/27/2020	07/31/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	07/27/2020	07/31/2020	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL HEAT SINK</b>						1
1	08/17/2020	08/21/2020	IP 71111.07T	000700	Heat Sink Performance	
<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>FY2020 GINNA INITIAL OL EXAM</b>						5
1	09/06/2020	09/12/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	10/04/2020	10/17/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>50.59 INSPECTION</b>						3
1	09/14/2020	09/18/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>Radwaste</b>						1
1	09/14/2020	09/18/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>Radiation Safety - Dose &amp; PIV</b>						1
1	10/05/2020	10/09/2020	IP 71124.04	000728	Occupational Dose Assessment	
<b>Design Basis Assurance Inspection - Programs - Power Operated Valves - Ginna Unit 1</b>						3
1	11/02/2020	11/06/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
1	11/16/2020	11/20/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
<b>Ginna Requal Inspection with P/F Results</b>						2
1	12/13/2020	12/18/2020	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1	12/13/2020	12/18/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	

This report does not include INPO and OUTAGE activities.

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

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## Ginna

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Radiation Safety - ALARA</b>						1
1	04/05/2021	04/09/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>TRIENNIAL FIRE PROTECTION</b>						3
1	05/03/2021	05/07/2021	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1	05/17/2021	05/21/2021	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>Radiation Safety - Instrumentation</b>						1
1	05/03/2021	05/07/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
<b>Radiation Safety - REMP</b>						1
1	06/07/2021	06/11/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>Access Control, Equipment Testing and Maintenance, Training</b>						3
1	06/14/2021	06/18/2021	IP 71130.02	000734	Access Control	
1	06/14/2021	06/18/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	06/14/2021	06/18/2021	IP 71130.07	000739	Security Training	
1	06/14/2021	06/18/2021	IP 71151	001338	Performance Indicator Verification	
<b>Radiation Safety - RETS</b>						1
1	07/12/2021	07/16/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
<b>EP Exercise Inspection - Ginna</b>						5
1	08/23/2021	08/27/2021	IP 71114.01	000716	Exercise Evaluation	
1	08/23/2021	08/27/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	08/23/2021	08/27/2021	IP 71151	001397	Performance Indicator Verification	
<b>INSERVICE INSPECTION</b>						1
1	10/24/2021	11/06/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>Radiation Safety - Radiation Hazards</b>						1
1	10/25/2021	10/29/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	