UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 13, 2026

Mr. Andrew Bowman
Manager, Global Nuclear Regulatory Affairs
Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, PA 16066

SUBJECT: NUCLEAR REGULATORY COMMISSION INSPECTION REPORT OF WESTINGHOUSE ELECTRIC COMPANY NO. 99900404/2025-201

Dear Mr. Bowman:

On May 12 – 15, July 7 – 10, August 25 – 28, and December 1 – 5, 2025, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an inspection at the Westinghouse Electric Company (hereafter referred to as WEC) facility in Warrendale, PA. The purpose of this limited-scope routine inspection was to assess WEC's compliance with provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 21, "Reporting of Defects and Noncompliance," and selected portions of Appendix B, "Quality Assurance Program Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities."

This technically-focused inspection specifically evaluated WEC's implementation of quality activities associated with the Limerick Generating Station Units 1 and 2 plant protection system digital modernization project design, implementation, and system validation test activities. The enclosed report presents the results of the inspection. In addition, the NRC inspection team evaluated WEC's closure of the inspection findings documented in the inspection report No. 99900404/2024-201, dated June 18, 2024 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24169A203). This NRC inspection report does not constitute NRC's endorsement of WEC's overall quality assurance (QA) or 10 CFR Part 21 programs.

Within the scope of this inspection, no violations or nonconformances were identified.

In accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding," and the NRC's "Rule of Practice," a copy of this letter, its enclosure(s), and your response will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's document system (ADAMS), accessible at http://www.nrc.gov/reading-rm/adams.html.

Enclosure:
Inspection Report No. 99900404/2025-201
and Attachment

Sincerely,

Douglas Bollock Signed by Bollock, Douglas on 01/13/26

Douglas Bollock, Branch Chief
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

Docket No.: 99900404

EPID No.: I-2025-201-0001

SUBJECT: NUCLEAR REGULATORY COMMISSION INSPECTION REPORT OF WESTINGHOUSE ELECTRIC COMPANY NO. 99900404/2025-201
DATE: January 13, 2026

DISTRIBUTION:
PUBLIC
ABowie, NRR
PMcKenna, NRR
NRR_DRO_IQVB Distribution
bowmanab@westinghouse.com
shakunma@westinghouse.com

ADAMS Accession No.: ML25352A091 **NRR-106**

OFFICE	NRR/DRO/IQVB	NRR/DRO/IQVB	NRR/DEX/EICB
NAME	DZhang	ENour	SDarbali
DATE	1/6/2026	12/18/2025	12/18/2025
OFFICE	NRR/DEX/EICB	R-I/DORS/EB2	NRR/DRO/IQVB
NAME	GBlas	LDumont	DBollock
DATE	12/18/2025	1/12/2026	1/13/2026

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR REACTOR REGULATION
DIVISION OF REACTOR OVERSIGHT
VENDOR INSPECTION REPORT

Docket No.:	99900404
Report No.:	99900404/2025-201
Vendor:	Westinghouse Electric Company 1000 Westinghouse Drive Cranberry Township, PA 16066
Vendor Contact:	Mr. Andrew Bowman Manager, Global Nuclear Regulatory Affairs Email: bowmanab@westinghouse.com
Nuclear Industry Activity:	Westinghouse Electric Company (hereafter referred to as WEC) supplies and supports development of the digital Plant Protection System for Limerick Generating Station Units 1 and 2.
Inspection Dates:	May 12 – 15, July 7 – 10, August 25 – 28, and December 1 – 5, 2025

Inspectors:		
	Deanna Zhang	NRR/DRO/IQVB, Team Leader
	Aaron Armstrong	NRR/DRO/IQVB, Team Leader
	Eric Nour	NRR/DRO/IQVB, Trainee
	Charlotte Ruley	NRR/DRO/IQVB, Trainee
	Louis Dumont	R-I/DORS/EB2
	Samir Darbali	NRR/DEX/EICB, Technical Specialist
	Gilberto Blas	NRR/DEX/EICB, Technical Specialist

Approved by:	Douglas Bollock, Chief Quality Assurance and Vendor Inspection Branch Division of Reactor Oversight Office of Nuclear Reactor Regulation

Enclosure

EXECUTIVE SUMMARY

Westinghouse Electric Company
99900404/2025-201

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a limited-scope routine vendor inspection at the Westinghouse Electric Company (hereafter referred to as WEC) facility in Warrendale, PA, to verify it had implemented an adequate quality assurance (QA) program that complies with the requirements of Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," and 10 CFR Part 21, "Reporting of Defects and Noncompliance." The NRC inspection team conducted this inspection on-site and virtually during the weeks of May 12 – 15, July 7 – 10, August 25 – 28, and December 1 – 5, 2025.

This technically-focused inspection specifically evaluated WEC's implementation of its QA and 10 CFR Part 21 programs as applied to WEC's activities to support the development of the digital Plant Protection System (PPS) for Limerick Generating Station (LGS) Units 1 and 2. This inspection specifically focused on the development activities and design outputs related to the design phase, implementation phase, and completed portions of the system validation test phase of the digital PPS development lifecycle for LGS Units 1 and 2. In addition, the NRC inspection team evaluated WEC's closure of the inspection findings documented in the inspection report No. 99900404/2024-201, dated June 18, 2024 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24169A203).

The following regulations served as the bases for the NRC inspection:

- Appendix B to 10 CFR Part 50
- 10 CFR Part 21

During this inspection, the NRC inspection team implemented Inspection Procedure (IP) 43002, "Routine Inspections of Nuclear Vendors," dated February 10, 2023; IP 43004, "Inspection of Commercial-Grade Dedication Programs," dated February 10, 2023; IP 36100, "Inspection of 10 CFR Part 21 and Programs for Reporting of Defects and Noncompliance," dated February 10, 2023; and IP 35710, "Quality Assurance Inspection of Software Used in Digital Instrumentation and Control Nuclear Applications," dated April 18, 2024.

The NRC inspection team observed the following specific activities:

- System validation test activities for PPS Integrated Logic Processor (ILP) for software baseline (BL) 6.3 and BL 6.4
- System validation test activities for PPS – Distributed Control System interface for software BL 6.4
- System validation test activities for PPS response time validation for software BL 6.4
- System validation test activities for PPS abnormal conditions for software BL 7.0
- Demonstration of central processing unit max load indications and maintenance and test cabinet alarms

The results of the inspection are summarized below.

Inspection Areas

The NRC inspection team reviewed a sample in the areas of design control, commercial grade dedication, procurement document control, control of purchased material, equipment, and services, test control, control of nonconforming material, parts or components, and corrective action program. The NRC inspection team concluded that the policies and procedures are implemented consistent with the requirements of Appendix B to 10 CFR Part 50, as imposed in procurements documents by licensees. No findings of significance were identified.

10 CFR Part 21 Program

The NRC inspection team reviewed a sample in the area of 10 CFR Part 21. The NRC inspection team concluded that the policies and procedures are implemented consistent with the requirements of 10 CFR Part 21. No findings of significance were identified.

Corrective Action

The NRC inspection team reviewed the corrective actions that WEC took to address Nonconformance Nos. 99900404-2024-201-01 and 99900404-2024-201-02, documented in inspection report No. 99900404/2024-201, dated June 18, 2025 (ADAMS Accession No. ML24169A203). The NRC inspection team reviewed the documentation that provided the objective evidence that all the corrective actions were completed and adequately implemented. Based on this review, the NRC inspection team closed Nonconformance Nos. 99900404-2024-201-01 and 99900404-2024-201-02.

REPORT DETAILS

1. 10 CFR Part 21 Program

   a. Inspection Scope

   The U.S. Nuclear Regulatory Commission (NRC) inspection team reviewed WEC's policies and implementing procedures that govern the implementation of its Title 10 of the *Code of Federal Regulations* (10 CFR) Part 21, "Reporting of Defects and Noncompliance," program to verify compliance with the regulatory requirements. The NRC inspection team also evaluated the 10 CFR Part 21 postings and verified that these postings are in compliance with the 10 CFR 21.6, "Posting Requirements." The NRC inspection team verified that WEC's corrective action procedures provide a link to the 10 CFR Part 21 program. The NRC staff also reviewed a sample of Part 21 evaluations that are applicable to the Limerick Generating Station (LGS) Units 1 and 2 Plant Protection System (PPS) digital modernization project and verified that these evaluations were performed documented in accordance with WEC's 10 CFR Part 21 program procedures.

   The NRC inspection team also discussed WEC's 10 CFR Part 21 program with WEC's management and technical staff. The attachment to this inspection report lists the documents reviewed and personnel interviewed by the NRC inspection team.

   b. Observations and Findings

   No findings of significance were identified.

   c. Conclusion

   The NRC inspection team concluded that WEC has established its 10 CFR Part 21 program in accordance with the requirements of 10 CFR Part 21. Based on the limited sample of documents reviewed, the NRC inspection team determined that WEC is implementing its policies and procedures consistent with the requirements of 10 CFR Part 21. No findings of significance were identified.

2. Design Control

   a. Inspection Scope

   The NRC inspection team reviewed WEC's policies and implementing procedures that govern the implementation of its design control program to verify compliance with the regulatory requirements of Criterion III, "Design Control," of Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities." The NRC inspection team reviewed a sample of design output documents for the design phase, implementation phase, and test phase for the Limerick PPS digital modernization project and verified these documents have been adequately completed in accordance with WEC's policies and procedures. Specifically, the NRC inspection team traced system attributes for Central Processing Unit (CPU) load limits, response times, secure operational environment, the component interface module (CIM), and communication independence from the license amendment request documents of the Limerick digital PPS to system requirements, the

system requirements to software requirements and hardware design descriptions, to software design descriptions and hardware drawings, and to the system validation test procedures and data sheets. The NRC inspection team also reviewed completed independent verification and validation (IV&V) tasks, including a regression analysis report for these lifecycle phases.

The NRC staff observed how the health of the Advant Controller (AC) 160 components is monitored via the “Node Heartbeats” screen on the Safety Display and the maintenance and test panel (MTP). For the CIM, the NRC inspection team also observed how the operability of the CIMs is monitored via the Safety Display and the MTP; for example, when toggling a CIM switch to Local mode or when physically removing a CIM from its baseplate, various messages are provided to in the Safety Display and MTP. The NRC inspection team confirmed that these features were consistent with the LGS PPS LAR documents, and system requirements and design specifications.

The NRC inspection team also discussed WEC’s design control program with WEC’s management and technical staff. The attachment to this inspection report lists the documents reviewed and personnel interviewed by the NRC inspection team.

b. Observations and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that WEC has established its design control program in accordance with the requirements of Criterion III of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed, the NRC inspection team also determined that WEC is implementing its policies and procedures consistent with the requirements of Criterion III of Appendix B to 10 CFR Part 50. No findings of significance were identified.

3. Commercial Grade Dedication, Procurement Document Control, and Control of Purchased Material, Equipment and Services

a. Inspection Scope

The NRC inspection team reviewed WEC’s policies and implementing procedures that govern the implementation of its commercial grade dedication program, procurement document control program, and control of purchased material, equipment, and services program to verify compliance with the requirements of Criterion III, Criterion IV, “Procurement Document Control,” and Criterion VII, “Control of Purchased Material, Equipment and Services,” of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed a sample of purchase orders (POs) and verified that applicable regulatory requirements, design bases, and other requirements necessary to assure adequate quality are included or referenced in these sample set of POs. The NRC inspection team also reviewed a sample of supplier audit reports and commercial grade surveys (CGS) performed associated with components used in the Limerick PPS project and verified that the scope of the audits and CGS, audit and CGS results, and any findings were properly documented. The NRC inspection team reviewed a sample of commercial grade

dedication packages and witnessed a receipt inspection for one of the components undergoing the dedication process. The NEC inspection team verified that the receipt inspection was performed in accordance with written procedures and checklists.

The NRC inspection team also discussed WEC's commercial grade dedication program, procurement document control program, and control of purchased material, equipment, and services program with WEC's management and technical staff. The attachment to this inspection report lists the documents reviewed and personnel interviewed by the NRC inspection team.

b. Observations and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that WEC has established its commercial grade dedication program, procurement document control program, and control of purchased material, equipment, and services program in accordance with the requirements of Criterion III, Criterion IV, and Criterion VII of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed, the NRC inspection team also determined that WEC is implementing its policies and procedures consistent with the requirements of Criterion III, Criterion IV, and Criterion VII of Appendix B to 10 CFR Part 50. No findings of significance were identified.

4. Nonconforming Parts, Materials, or Components, and Corrective Action Program

a. Inspection Scope

The NRC inspection team reviewed WEC's policies and implementing procedures that govern the implementation of its control of nonconforming parts, materials, or components and corrective action programs to verify compliance with the requirements of Criterion XV, "Nonconforming Materials, Parts, or Components," and Criterion XVI, "Corrective Action," of Appendix B to 10 CFR Part 50, respectively.

The NRC inspection team verified that WEC's processes and procedures provide for the identification, documentation, segregation, evaluation, and disposition of nonconforming items. These processes also apply the principles of rework, repair, reject, use-as-is.

The NRC inspection team reviewed a sample of automation issues tracking system (RITS) associated with the production of the Limerick digital modernization project to confirm that WEC dispositioned the nonconforming materials in accordance with the applicable procedures, documented an appropriate technical justification for various dispositions and took adequate corrective action regarding the nonconforming items to prevent recurrence as appropriate.

The NRC inspection team also reviewed a sample of Corrective Action Program (CAP)-Incident Reports (CAP-IRs) and Problem Identification and Resolution Reports (PIRs) to verify: (1) adequate documentation and description of conditions adverse to quality; (2) appropriate identification of corrective actions taken to correct the condition; (3) direction for review and approval by the responsible authority; (4) a description of the current status of

the corrective actions; and (5) actions taken to verify timely and effective implementation of the corrective actions. In addition, the NRC inspection team confirmed that the corrective action and nonconformance process provides a link to the 10 CFR Part 21 Program.

The NRC inspection team discussed WEC's controls for nonconforming parts, materials, or equipment and its corrective action programs with WEC's management and technical staff. The attachment to this inspection report lists the documents reviewed and personnel interviewed by the NRC inspection team.

b. Observations and Findings

b.1 Corrective Actions Associated with Nonconformance 99900404/2024-201-01.

Following the 2024 NRC inspection of WEC, the NRC issued Nonconformance 99900404/2024-201-01 for WEC's failure to ensure that purchased material, equipment and services from Liberty Electronics conform to the PO requirements. Specifically, WEC did not provide sufficient objective evidence to demonstrate that Liberty had included in its quality program requirements to (1) use International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC) 17025, "General requirements for the competence of testing and calibration laboratories" accredited laboratories for procured calibration services, and (2) record inspection, measurement, and test equipment used for all inspection and tests for WEC products. In addition, WEC did not provide sufficient objective evidence that documents the basis to allow certain procurement restrictions imposed on procurements from Liberty as documented in CAP-IR-2020-4474 to be removed.

In its response to the NRC dated June 18, 2024 (ADAMS Accession No. ML24199A220) WEC stated that the steps that they would take to avoid further noncompliance would be the creation of CAP-IR-2024-6678. The NRC inspection team reviewed the corrective actions identified in CAP-IR-2024-6678, including objective evidence of the adequate implementation of these corrective actions. Specifically, the NRC inspection verified that:

- Training was conducted with WEC supplier quality auditors to ensure consistency (1) when processing deficiencies identified during the CGS process, and (2) the level of specificity required when documenting the objective evidence documentation for deficiencies identified.
- Completion of an extent of condition evaluation of the Westinghouse QSL and identification and completion of additional corrective actions to address the results of the evaluation.
- Revision of WEC's procedure, QA-7.22, "Commercial Grade Survey Process," to clarify the requirements for maintaining compensatory measure on the QSL until WEC Engineering has fully resolved any of the discrepancies within the commercial grade item or the supplier.
- Performance of limited scope CGS of Liberty Electronics to reconcile the lack of objective evidence documented within WEC's CGS report, WES-2023-102.

Based on its review, the NRC inspection team closed Nonconformance 99900404/2024-201-01.

b.2 Corrective Actions Associated with Nonconformance 99900404/2024-201-02.

Following the 2024 NRC inspection of WEC, the NRC issued Nonconformance 99900404/2024-201-02, for WEC's failure to promptly correct conditions adverse to quality. Specifically, WEC closed CAP-IR-2023-3864 and CAP-IR-2023-11754 without including sufficient details in the closure statement about resolution and did not include objective evidence of all performed activities within the corrective action reports.

In its response to the NRC dated June 18, 2024 (ADAMS Accession No. ML24199A220), WEC stated that the steps that they would take to avoid further noncompliance would be the creation of CAP-IR 2024-5058, CAP-IR 2024-5561, CAP-IR-2024-6149, and CAP-IR-2024-6685 to address the lack of procedural compliance by conducting causal analysis, extent of condition, extent of cause, and refresher training. In addition, WEC introduced an additional final QA approval of all CAP-IRs in the closure workflow to control CAP closure which includes a checklist to aid issue owners in ensuring compliance for CAP closure.

The NRC inspection team reviewed the documentation that provided the objective evidence for the completion of the corrective actions, including a review of CAP-IR 2024-5058, CAP-IR 2024-5561, CAP-IR-2024-6149, and CAP-IR-2024-6685. Specifically, the NRC inspection team verified that the CAP-IR's provided objective evidence that the causal analysis, extent of cause, extent of condition, and refresher training actions had been completed and that a checklist and final quality assurance check of each report was implemented within WEC's updated corrective action program process.

The NRC inspection team determined that WEC's corrective actions were adequately implemented to address Nonconformance 99900404/2024-201-02. Based on its review, the NRC inspection team closed Nonconformance 99900404/2024-201-02.

c. Conclusion

The NRC inspection team concluded that WEC has established controls for nonconforming materials, parts, or components, and corrective actions program in accordance with the requirements of Criterion XV and Criterion XVI of Appendix B to 10 CFR Part 50. Based on the limited samples reviewed, the NRC inspection team also determined that WEC is implementing its policies and procedures consistent with the requirements of Criterion XV and Criterion XVI of Appendix B to 10 CFR Part 50.

5. Test Control

a. Inspection Scope

The NRC inspection team reviewed WEC's policies and implementing procedures that govern the implementation of its test control program to verify compliance with the requirements of Criterion XI, "Test Control," of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed a sample of test procedures and test datasheets that cover portions of the Limerick PPS system validation tests and verified that these procedures adequately identify the objective of the tests covered by the procedure, and the

test data sheets included: appropriate test cases to verify that the test objectives were accomplished, and the expected results of each test case were properly identified. The NRC inspection team witnessed the performance of a sample of test cases in the areas of integrated logic processor tests, PPS abnormal conditions tests, PPS-Distributed Control System interface tests, and time response tests for various software baselines of the PPS and verified that these tests were performed in accordance with test procedures and test data sheets.

The NRC inspection team also discussed WEC's test control program with WEC's management and technical staff. The attachment to this inspection report lists the documents reviewed and personnel interviewed by the NRC inspection team.

b. Observations and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that WEC has established its test control program in accordance with the requirements of Criterion XI of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed, the NRC inspection team also determined that WEC is implementing its policies and procedures consistent with the requirements of Criterion XI of Appendix B to 10 CFR Part 50. No findings of significance were identified.

6. Entrance and Exit Meetings

On May 12, 2025, the NRC inspection team discussed the scope of the inspection during the entrance meeting with Christopher Crefeld, WEC's Vice President, Global Instrumentation and Controls, and other members of WEC's management and technical staff. On December 5, 2025, the NRC inspection team presented the inspection results during an exit meeting with Chris Srock, WEC's Senior Director, Global Instrumentation and Controls, and other members of WEC's management and technical staff. The attachment to this report lists the attendees of the entrance and exit meetings, as well as those individuals whom the NRC inspection team interviewed.

ATTACHMENT

1. ENTRANCE/EXIT MEETING ATTENDEES

Name	Position	Affiliation	Entrance	Exit	Interviewed
Chris Meier	Consulting Engineer	WEC	X	X*	X
Dominic Mocello	System Test Manager	WEC	X		X
Steven Merkiel	Integrated System Engineer Lead	WEC	X		X
Matthew Shakun	Licensing Engineer	WEC	X		X
John Semonos	WEC Licensing	WEC	X		
Garret Takei	Engineer	WEC	X		X
Lauren Furguiele	Project Manager	WEC	X	X*	X
Angela Zubroski	Quality and Ops Planning Manager	WEC	X		X
Parastoo Muse	Limerick DMP Program Manager	WEC	X	X*	X
Warren Odess-Gillet	Licensing I&C Engineer	WEC	X*	X*	X*
Christopher Srock	Senior Director Global Instrumentation and Control	WEC	X	X*	

Steven Billman	Director, Control and Information System	WEC	X*		
Andrew Barth	Senior Specialist Contract Management	WEC	X	X*	X
Jerrod Ewing	Operating Plants Licensing Manager	WEC	X	X	X
Andrew Lutz	Principal Project Manager	WEC	X		
Dante Mincin	Manager, Qualification Operation	WEC	X		
Miguel Vallarta	Manager, Safety Hardware Engineering and Drafting	WEC	X*	X*	
Daniel Zenger	Principal Product Engineer	WEC	X*		
Quang Nguyen	Director, Safety and Reactor Systems Engineering	WEC	X*		
Bryan Jaskiewicz	Functional and System Engineering Manager	WEC	X*		
Mikhail Lemkov	I&C Safety Software Manager	WEC		X*	
Johnathan Semanco	Principal Engineer	WEC		X*	
Chris Crefeld	Vice President, Global Instrumentation and Controls	WEC	X*		X
Murat Uzman	Fellow Engineer, IV&V	WEC	X		X
Srinivasan Suresh	Principal Engineer	WEC/Cyient			X
Kenneth Pryke	Test Lead	WEC			X
Brandon Neff	Test Lead	WEC			X
David Bash	Technician	WEC			X

Michael Pezek	Test Lead	WEC			X
Bailey O'Malley	Tester	WEC			X
Jeff Mascitelli	Senior Engineer	WEC			X
Anandi Balakumar	IV&V Team Leader	WEC			X
Mark Samselski	Engineering Manager	Constellation	X		
Scott Schumacher	Senior Engineer	Constellation	X*		
Michael Foote	Senior Staff Engineer	Constellation	X		
Gerald Segner	Senior Project Manager	Constellation	X*		
Ashley Rickey	Project Manager	Constellation	X*	X*	
Steven Hesse	Manager, Reactor Engineering	Constellation	X		
Kevin Cawley	Electrical Engineer	Constellation	X		
Brian Devine	Operations Senior Manager	Constellation	X		
Kayla Marriner	Project Manager	Constellation		X*	
Deanna Zhang	Inspection Team Leader	Nuclear Regulatory Commission (NRC)	X	X	
Aaron Armstrong	Inspector	NRC			
Eric Nour	Inspector	NRC	X	X	

Charlotte Ruley	Inspector	NRC			
Louis Dumont	Inspector	NRC	X*		
Samir Darbali	Inspector	NRC	X*	X	
Gilberto Blas	Inspector	NRC		X*	
Kerri Kavanagh	Branch Chief	NRC	X*	X*	

*Remote

2. INSPECTION PROCEDURES USED:

- Inspection Procedure (IP) 43002, “Routine Inspections of Nuclear Vendors,” dated February 10, 2023
- IP 43004, “Inspection of Commercial-Grade Dedication Programs,” dated February 10, 2023
- IP 36100, “Inspection of 10 CFR Part 21 and Programs for Reporting of Defects and Noncompliance,” dated February 10, 2023

3. LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Item Number	Status	Type	Description
99900404/2024-201-01	Closed	Notice of Nonconformance (NON)	Criterion VII of Appendix B to 10 CFR 50
99900404/2024-201-02	Closed	NON	Criteria XVI of Appendix B to 10 CFR 50

4. DOCUMENTS REVIEWED

Quality Assurance Procedures (QAP)

- W2-5.1-101, “Westinghouse Corrective Action Program Procedure” Revision 11.0, dated June 16, 2025
- W2-5.1-101.W01, “Corrective Action Program Issue Identification, Screening, and Classification” Revision 5.0, dated June 16, 2025
- W2-5.1-101.W11, “Corrective Action Program Issue Evaluation, Analysis, Resolution, and Trending” Revision 4.0, dated June 16, 2025
- NA 15.1, “Control of Nonconformances,” Revision 22.0, dated September 12, 2024
- W2-5.1-201, “Identification and Reporting of Conditions Adverse to Nuclear Safety” Revision 3.0, dated March 27, 2024

- W2-5.1-201.W01, “Nuclear Safety Review Staff Work Instruction” Revision 3.0, dated March 27, 2024
- W2-5.1-201.W02, “10 CFR Part 21 Posting” Revision 1.0, dated March 27, 2024
- W2.9.4-101, “Control of Purchased Items and Services” Revision 9.0, dated July 2, 2025
- W2-9.5-101, “Supplier QA Program Qualification and assessment”, Revision 4.1, dated September 30, 2024
- W2-9.5-102, “Commercial Grade Dedication process, Revision 2”
- W2-9.5-104, “Supplier Oversight”, Revision 2.0, dated June 5, 2018
- W2-9.5-105,” Control of Suppliers and the ASL and QSL”, Revision 3.0, dated October 10, 2018
- W2-9.5-106, “Supplier Corrective Action Request Process”, Revision 4.1, dated April 11, 2025
- W2-9.14-200, “Counterfeit, Fraudulent, and Suspect Items,” Revision 0.2, dated July 5, 2022
- NA 6.1.2, “Quality Specification for Procurement”, Revision 8.2, dated November 15, 2023
- QCI-308, “Work Instruction for Receiving Inspection of Item(s) Controlled on a Westinghouse Commercial Dedication Instruction,” Revision 8, November 2024
- QCI-415, Work Instruction for Sampling, Revision 1
- QA-2.8, “Qualification of Audit Personnel”, Revision 2.2, dated December 14, 2022

Design Control

- WNA-VR-00580-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System IV&V Summary Report,” Revision 1, dated August 2024
- WNA-VR-00580-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System IV&V Summary Report,” Revision 2, dated January 2025
- WNA-ECN-00133-GLIM, “Limerick DMP Baseline 6.2r1 Updates,” Revision 0
- WNA-ECN-00134-GLIM, “Limerick DMP Baseline 6.3 Updates,” Revision 0
- WNA-ECN-00135-GLIM, “Limerick DMP Baseline 6.4 Updates,” Revision
- WNA-LD-01578-GLIM, “Limerick DMP Architecture & Layout Index Sheet,” Revision 4
- WNA-CN-00603-GLIM, “Limerick Generating Station, Units 1 & 2, Digital Modernization Project Plant Protection System Time Response Calculations,” Revision 3
- WNA-DS-05075-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Requirement Specification,” Revision 0

- WNA-DS-05101-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Component Functional Logic Specification,” Revision 1, dated August 2023
- WNA-DS-05129-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Functional Logic Specification,” Revision 1, dated August 2023
- WNA-SD-00746-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Design Description for the Bistable Processor Logic and Regulatory Guide 1.97 Processor,” Revision B, dated February 2024
- WNA-SD-00747-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Design Description for the Local Coincidence Logic Processor,” Revision B, dated February 2024
- WNA-SD-00748-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Design Description for the Integrated Logic Processor,” Revision B, dated February 2024
- WNA-SD-00749-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Software Design Description for the Interface and Test Processor,” Revision B, dated February 2024
- WNA-SD-00750-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Design Description for the Maintenance and Test Panel,” Revision B, dated February 2024
- WNA-SD-00751-GLIM, “Limerick Generating Station Units 1&2 Plant Protection System Digital Modernization Project Software Design Description for the Safety Display,” Revision 5, dated November 2025
- WNA-RL-07536-GLIM1, “AC160 Software Release Record for BPL,” Revision 3
- WNA-RL-07538-GLIM1, “AC160 Software Release Record for RG1.97-Div2,” Revision 2
- WNA-RL-07541-GLIM1, “AC160 Software Release Record for LCL-ECCS/NSSSS,” Revision 2
- WNA-RL-07542-GLIM1, “AC160 Software Release Record for LCL-RPS,” Revision 4
- WNA-RL-07543-GLIM1, “AC160 Software Release Record for ILP with Voting,” Revision 4
- WNA-RL-07544-GLIM1, “AC160 Software Release Record for ILP without Voting,” Revision 4
- WNA-RL-07547-GLIM1, “Software Release Record for Unit 1 FPDS Maintenance and Test Panel,” Revision 4
- WNA-RL-07548-GLIM1, “Software Release Record for FPDS Safety Display,” Revision 4

<u>Commercial Grade Dedication Package</u>

- CDI-4057, Services Associated with Built to Print Electro-mechanical Parts & Assemblies, Revision 14, dated August 2024
- CDI-2794, Pluggable Relay with Terminal Block Base, Revision 22, dated February 19, 2020
- CDI-3497, Solid-state Relays for Use in Production, Revision 8, dated February 2, 2023
- CDI-2687, Standard Safety Isolation Amplifier or Signal Conditioner, Revision 22, dated September 11, 2024
- CDI-2660, Ovation Modules, Revision 24, dated March 5, 2024

Audit/Survey

- WES-2023-300, Revision 0
- WES-2025-050, Revision 0
- WES-2024-106, Revision 0, dated August 12, 2024
- WES-2024-266, Revision 0, dated August 23, 2024
- WES-2023-102, dated March 21,2023
- WES-2024-267, dated August 16, 2024
- WES-2024-152/NIAC 31474, dated January 12, 2024

Purchase Orders (PO)

- 4500931943, STND SFTY IR Preamp Chassis Bottom FAB, dated February 21, 2025
- 4500931545, Flow Control Service Screw, HEX CAP 1/4IN-28X1-1/2IN GRADE 5, dated February 18, 2025
- 4500935224, Module Input Isolator E/I 0-1 Vrms, dated March 28, 2025
- Contract ID 00800304, Limerick Plan Protection System Digital Upgrade Project, dated November 18, 2020

Test Control Documents

- WNA-TP-01109-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Integrated Logic Processor Test Specification/Procedure,” Revision 1, dated April 2025
- WNA-TD-01109-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Integrated Logic Processor Test Data Sheets,” Revision 0, dated May 2025
- WNA-TD-01109-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Integrated Logic Processor Test Data Sheets,” Revision 1, dated August 2025

- WNA-TD-01117-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Distributed Control System Interface Test Data Sheets,” Revision 1, dated July 2025
- WNA-TD-01142-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Abnormal Conditions Integrated Logic Processor Test Data Sheets,” Revision 0, dated June 2025
- WNA-TP-01117-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Distributed Control System Interface Test Specification/Procedure,” Revision 1, dated June 2025
- WNA-TP-01142-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Abnormal Conditions Integrated Logic Processor Test Specification/Procedure,” Revision 1, dated June 2025
- WNA-TP-01112-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Time Response Test Specification/Procedure,” Revision 1, dated August 2025
- WNA-TD-01112-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Time Response Test Data Sheets,” Revision 0, dated August 2025
- WNA-TP-01144-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Abnormal Conditions Nuclear Steam Supply Shutoff System Test Specification/Procedure,” Revision 1, dated August 2025
- WNA-TD-01144-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Abnormal Conditions Nuclear Steam Supply Shutoff System Test Data Sheets,” Revision 1, dated November 2025
- WNA-TP-01112-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Time Response Test Specification/Procedure,” Revision 2, dated November 2025
- WNA-TS-00216-GEN, “Plant Protection System Upgrade Equipment Qualification Unit Configuration and Test Specification”, Revision 3, dated July 2024
- WNA-TP-08031-GLIM, “Limerick Plant Protection System Upgrade Components Reconciliation Equipment Qualification Test Monitoring Procedure”, Revision 3, dated February 2025
- WNA-AR-01150-GLIM, “Limerick Generating Station Unit 1 Digital Modernization Project Plant Protection System Factory Acceptance Testing Regression Analysis Report,” Revision 0, dated May 2025
- WNA-TD-01134-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project, Plant Protection System Maintenance and Test Panel Miscellaneous Test Data Sheets,” Revision 0, dated August 2025
- WNA-TD-01119-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Cabinet Indication and Status Test Data Sheets,” Revision 2, dated November 2025

- WNA-TD-01146-GLIM, “Limerick Generating Station Units 1&2 Digital Modernization Project Plant Protection System Abnormal Conditions-Miscellaneous Test Data Sheets,” Revision 1, dated November 2025

10 CFR Part 21 Evaluations

- LTR-SRC-24-39, “Nuclear Safety Evaluation for IR-2024-10627 Common Q System Time Response Calculation Methodology,” dated December 18, 2024

Automation Issues Tracking System (RITS)

- RITS 78714, dated July 20, 2023
- RITS 78715, dated July 20, 2023
- RITS 79463, dated January 5, 2024
- RITS 79538, dated January 23, 2024
- RITS 79541, dated January 23, 2024
- RITS 80438, dated June 20, 2024
- RITS 81834, dated November 18, 2024
- RITS 82086, dated December 17, 2024
- RITS 82152, dated December 19, 2024
- RITS 82212, dated January 8, 2025
- RITS 82221, dated January 9, 2025
- RITS 82448, dated February 7, 2025
- RITS 82643, dated February 28, 2025
- RITS 82652, dated February 28, 2025
- RITS 82752, dated March 13, 2025
- RITS 82767, dated March 13, 2025
- RITS 83081, dated April 25, 2025
- RITS 83233, dated May 9, 2025
- RITS 83236, dated May 11, 2025
- RITS 83248, dated May 12, 2025
- RITS 83284, dated May 14, 2025
- RITS 83286, dated May 14, 2025
- RITS 83287, dated May 14, 2025
- RITS 84481, dated September 1, 2025
- RITS 84497, dated September 3, 2025
- RITS 84506, dated September 3, 2025
- RITS 84511, dated September 4, 2025
- RITS 84512, dated September 4, 2025
- RITS 84520, dated September 5, 2025
- RITS 84527, dated September 6, 2025
- RITS 84619, dated September 12, 2025
- RITS 84657, dated September 16, 2025
- RITS 84675, dated September 16, 2025
- RITS 84733, dated September 25, 2025
- RITS 84744, dated September 26, 2025

- RITS 84758, dated September 27, 2025
- RITS 84922, dated October 14, 2025
- RITS 84935, dated October 17, 2025
- RITS 84946, dated October 17, 2025
- RITS 85099, dated November 5, 2025
- RITS 85169, dated November 11, 2025
- RITS 85192, dated November 14, 2025
- RITS 85193, dated November 14, 2025
- RITS 85194, dated November 14, 2025

Corrective Action Program Issue Reports (CAP-IRs)

- CAP-IR-2023-3185, dated March 28, 2023
- CAP-IR-2023-3864, dated April 18, 2023
- CAP-IR-2023-4482, dated May 5, 2023
- CAP-IR-2023-4866, dated May 16, 2023
- CAP-IR-2023-5195, dated May 29, 2023
- CAP-IR-2023-6856, dated July 14, 2023
- CAP-IR-2023-8261, dated August 23, 2023
- CAP-IR-2023-11611, dated November 21, 2023
- CAP-IR-2023-12158, dated December 6, 2023
- CAP-IR-2023-12161, dated December 6, 2023
- CAP-IR-2024-2567, dated March 12, 2024
- CAP-IR-2024-5058, dated May 8, 2024
- CAP-IR-2024-5561, dated May 20, 2024
- CAP-IR-2024-6048, dated June 3, 2024
- CAP-IR-2024-6149, dated June 5, 2024
- CAP-IR-2024-6678, dated July 20, 2024
- CAP-IR-2024-6685, dated July 20, 2024
- CAP-IR-2024-8514, dated August 14, 2024
- CAP-IR-2024-8935, dated August 26, 2024
- CAP-IR-2024-8984, dated August 27, 2024
- CAP-IR-2024-8997, dated August 28, 2024
- CAP-IR-2024-9039, dated August 28, 2024
- CAP-IR-2024-9085, dated August 29, 2024
- CAP-IR-2024-9493, dated September 10, 2024
- CAP-IR-2024-9494, dated September 10, 2024
- CAP-IR-2024-9495, dated September 10, 2024
- CAP-IR-2024-10152, dated September 26, 2024
- CAP-IR-2024-10389, dated October 3, 2024
- CAP-IR-2024-10627, dated October 9, 2024
- CAP-IR-2024-11882, dated November 9, 2024
- CAP-IR-2024-12131, dated November 15, 2024
- CAP-IR-2024-12132, dated November 15, 2024
- CAP-IR-2024-12134, dated November 15, 2024
- CAP-IR-2024-12135, dated November 15, 2024
- CAP-IR-2024-13293, dated December 18, 2024

- CAP-IR-2025-2246, dated March 6, 2025
- CAP-IR-2025-2249, dated March 6, 2025
- CAP-IR-2025-2250, dated March 6, 2025
- CAP-IR-2025-2251, dated March 6, 2025
- CAP-IR-2025-2252, dated March 6, 2025
- CAP-IR-2025-2255, dated March 6, 2025
- CAP-IR-2025-2258, dated March 6, 2025
- CAP-IR-2025-2887, dated March 21, 2025
- CAP-IR-2025-5261, dated May 22, 2025
- CAP-IR-2025-5264, dated May 22, 2025
- CAP-IR-2025-5265, dated May 22, 2025
- CAP-IR-2025-5266, dated May 22, 2025
- CAP-IR-2025-5268, dated May 22, 2025

Problem Identification and Resolution Reports (PIRs)

- PIR-2025-2814, dated September 9, 2025
- PIR-2025-4000, dated September 30, 2025
- PIR-2025-4011, dated October 1, 2025
- PIR-2025-4012, dated October 1, 2025
- PIR-2025-4025, dated October 12, 2025
- PIR-2025-4128, dated October 12, 2025

Corrective Action Reports Opened During the Inspection

- PIR-2025-2663, dated August 26, 2025
- PIR-2025-6845, dated December 2, 2025

Training Records

- Douglas Burget, Lead Auditor Qualification package, dated February 17, 2025
- Steven Vandevort, Lead Auditor Qualification package, dated March 24, 2025
- Training records for Janakirman Murugesan
- Training records for Srinivasan Suresh

Miscellaneous/Other

- LTR-IVV-22-013, “Resource Allocation Agreement for Cyient Engineers to Perform IV&V Activities on Limerick PPS Project,” dated October 20, 2022
- LIM-25-010-P, “Update to WCAP-18598, Revision 2, “Licensing Technical Report for the Limerick Generating Stations Units 1&2 Digital Modernization Project,” Revision 3, dated September 30, 2025