



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

August 26, 2025

Mr. James McIntyre
Vice-President & Quality Assurance Director
Sargent & Lundy, LLC
55 E. Monroe Street
Chicago, IL 60603-5780

SUBJECT: NUCLEAR REGULATORY COMMISSION VENDOR INSPECTION REPORT OF
SARGENT & LUNDY, LLC, NO. 99900507/2025-201

Dear Mr. McIntyre:

From July 14 through July 17, 2025, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an inspection at Sargent & Lundy, LLC's (hereafter referred to as S&L) facility in Chicago, IL. The purpose of this limited-scope inspection was to assess S&L'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."

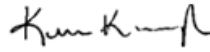
This technically-focused inspection specifically evaluated S&L's implementation of the quality activities associated with the consulting, engineering, design, analysis, and supply of safety-related design packages being supplied for new reactor designs and nuclear operating power reactor projects for the U.S. nuclear industry. The enclosed report presents the results of the inspection. This NRC inspection report does not constitute NRC endorsement of S&L's overall quality assurance (QA) or 10 CFR Part 21 programs.

Based on the results of this inspection, the NRC inspection team found that the implementation of your QA program met the applicable technical and regulatory requirements imposed on you by your customers or NRC licensees. No findings of significance were identified.

In accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," the NRC will make available electronically for public inspection a copy of this letter, its enclosure through the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System, which is accessible at <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions concerning this matter, please contact Ms. Andrea Keim of my staff at (301) 415-1671.

Sincerely,



Signed by Kavanagh, Kerri
on 08/26/25

Kerri A. Kavanagh, Chief
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

Docket No.: 99900507

EPID No.: I-2025-201-0036

Enclosure:

Inspection Report No. 99900507/2020-201
and Attachment

SUBJECT: NUCLEAR REGULATORY COMMISSION VENDOR INSPECTION REPORT OF
SARGENT & LUNDY, LLC, NO. 99900507/2025-201 DATE: August 26, 2025

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NRR-106

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NAME	FVega	KKavanagh	
DATE	08/21/2025	08/26/2025	

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

Docket No.: 99900507

Report No.: 99900507/2025-201

Vendor: Sargent & Lundy, LLC
55 E. Monroe Street
Chicago, IL 60603-5780

Vendor Contact: James W. McIntyre
Vice-President & Quality Assurance Director
Email: james.w.mcintyre@sargentlundy.com
Phone: 312-269-6530

Nuclear Industry Activity: Sargent & Lundy's scope of supply includes design and general engineering services for new plant construction and operating nuclear power plants in the U.S.

Inspection Dates: July 14 - 17, 2025

Inspection Team Leader	Andrea Keim	NRR/DRO/IQVB	
Inspectors:	Yiu Law	NRR/DRO/IQVB	
	Frankie Vega	NRR/DRO/IQVB	
	Jacob Davis	NRR/DRO/IQVB	Trainee
Management:	Kerri Kavanagh	NRR/DRO/IQVB	Branch Chief

Approved by: Kerri A. Kavanagh, Chief
Quality Assurance and Vendor Inspection Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

Enclosure

EXECUTIVE SUMMARY

Sargent & Lundy, LLC
99900507/2025-201

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a vendor inspection at the Sargent & Lundy, LLC's (hereafter referred to as S&L) facility in Chicago, IL, to verify that 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 July 14 - 17, 2025. This was the third NRC inspection at the S&L facility in Chicago, IL since 2000.

This technically-focused inspection specifically evaluated S&L's implementation of the quality activities associated with design, engineering services, and development and supply of safety-related software for new plant construction and nuclear operating power reactor projects for the U.S. nuclear industry.

These regulations served as the basis for the NRC inspection:

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

During the course of 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, and IP 36100, "Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance," dated February 10, 2023.

The NRC inspection team concluded that S&L's QA policies and procedures comply with the applicable requirements of Appendix B to 10 CFR Part 50 and 10 CFR Part 21, and that S&L's personnel are implementing these policies and procedures effectively. The results of this inspection are summarized below.

Inspection Areas

The NRC inspection team determined that S&L established its programs for design control, commercial-grade dedication, supplier oversight, nonconforming materials, parts, or components, corrective action, and internal audits, in accordance with applicable regulatory requirements of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed and activities observed, the NRC inspection team also determined that S&L is implementing its policies and procedures associated with these programs. In addition, the NRC inspection team determined that S&L is implementing its 10 CFR Part 21 program for evaluating deviations and reporting defects that could create a substantial safety hazard in accordance with the applicable regulatory requirements. No findings of significance were identified.

REPORT DETAILS

1. 10 CFR Part 21 Program

a. Inspection Scope

The NRC inspection team reviewed Sargent & Lundy, LLC's (hereafter referred to as S&L) 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 a sample of S&L's purchase orders (POs) for compliance with the requirements of 10 CFR 21.21, "Notification of Failure to Comply or Existence of a Defect and its Evaluation," and 10 CFR 21.31, "Procurement Documents."

In addition, the NRC inspection team also verified that S&L's nonconformance (NCR) and corrective action program (known internally as the Performance Improvement Process [PIP]) provides a link to S&L's 10 CFR Part 21 program. The NRC noted that S&L have not issued a 10 CFR Part 21 report to the NRC since September 2009 but have issued notices to clients that they are not capable of performing an evaluation of whether defects exist in accordance with their procedures and 10 CFR 21.21(b). The NRC reviewed a sample of the PIPs that S&L's Engineering Oversight Team (EOT) had dispositioned as Significant Conditions Adverse to Quality (SCAQ) (Level 4/5) or Conditions Adverse to Quality (Level 3) and evaluated for potential 10 CFR Part 21 applicability. It was determined that S&L had effectively dispositioned all reviewed NCRs in a timely manner for potential 10 CFR Part 21 reportability, and taken all required actions

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

b. Observations and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that S&L is implementing its 10 CFR Part 21 program in accordance with the regulatory requirements of 10 CFR Part 21. Based on the limited sample of documents reviewed, the NRC inspection team also determined that S&L is implementing its policies and procedures associated with the 10 CFR Part 21 program. No findings of significance were identified

2. Design Control

a. Inspection Scope

The NRC inspection team reviewed S&L'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 to 10 CFR Part

50. The NRC inspection team confirmed that S&L's procedures provide adequate instructions for the controls of design inputs, outputs, design analyses, records, and organizational interfaces.

The NRC inspection team reviewed a representative sample of customer POs, design reports, design specifications, engineering drawings, design reviews and design changes for the following safety-related projects supporting both, the operating nuclear reactor fleet and advanced reactor/small modular reactors: (1) Auxiliary Feedwater Controllers replacement for Palisades; (2) GEH's BWRX-300 control rod drive system mechanical design; (3) Subsurface investigation and hydraulic conductivity oversight for the Clinch River site; (4) Geotechnical and seismic subsurface investigations performed for the Dow Seadrift Operations Site; (5) Diesel fire pumps replacement for the Columbia Generating Station.

The NRC inspection team confirmed that S&L's design control process: (1) was being adequately implemented in accordance with the applicable technical and regulatory requirements; (2) adequately translated technical and quality requirements into applicable specifications, procedures and instructions; (3) effectively controlled design activities by documented instructions and procedures; and (4) accomplished design changes in accordance with the approved procedures.

The NRC inspection team also reviewed S&L's validation and verification (V&V) process for two of the software developed internally by S&L (i.e., MCHAZARD and HYTRAN). MCHAZARD is used by S&L to perform both deterministic and probabilistic evaluations of hazardous chemical releases. HYTRAN is used by S&L to perform water hammer and steady-state acoustic vibration analyses that compute the time-dependent forces on, and pressures and flow velocities in liquid-filled piping system. The NRC inspection team confirmed that the V&V packages included the purpose and scope, software technical requirements, assumptions, methodology and acceptance criteria, calculations, test results, and comparison of test results against benchmarked results.

The NRC inspection team also discussed the design control program with S&L'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 S&L is implementing its design control program in accordance with the regulatory 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 S&L is implementing its policies and procedures associated with the design control program. No findings of significance were identified.

3. Commercial-Grade Dedication

a. Inspection Scope

The NRC inspection team reviewed S&L's policies and implementing procedures that govern the implementation of its commercial-grade dedication (CGD) program to verify compliance with the requirements of Criterion III, and Criterion VII, "Control of Purchased Material, Equipment, and Services," of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed dedication packages for software (1) PROTO-HX Shell & Tube, (2) PROTO-HX Plate Frame, and (3) ANSYS LS-DYNA; and for calibration of measuring & test equipment (M&TE) for a (1) multifunction calibrator, (2) multimeter, and (3) 4-channel, 200MHz oscilloscope. The NRC inspection team reviewed the POs, the commercial-grade item technical evaluations, receipt inspection reports, certificates of compliance, and technical information. The NRC inspection team evaluated the criteria for the identification of an item's safety functions, failure mode and effect analysis (FMEA), selection of critical characteristics and acceptance criteria, and the identification of verification methods to verify effective implementation of S&L's dedication process.

The NRC inspection team also reviewed S&L's measures established for the use of the International Laboratory Accreditation Cooperation (ILAC) accreditation process in lieu of performing commercial grade surveys for procurement of calibration and testing services as part of the CGD process. S&L currently implements this process as described in the Nuclear Energy Institute (NEI) Document No. 14-05A, "Guidelines for the Use of Accreditation in Lieu of Commercial Grade Surveys for Procurement of Laboratory Calibration and Test Services," Revision 1, dated September 2020, which was recognized for use by the NRC in a safety evaluation dated November 23, 2020 (Agencywide Documents Access Management System Accession (ADAMS) No. ML20322A019).

The NRC inspection team also discussed the CGD program with S&L's management and technical staff. The attachment to this inspection report lists the documents reviewed and staff interviewed by the NRC inspection team.

b. Observation and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that S&L is implementing its CGD program in accordance with the regulatory requirements of Criterion III and Criterion VII of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed, the NRC inspection team determined that S&L is implementing its policies and procedures associated with the CGD program. No findings of significance were identified.

4. Supplier Oversight

a. Inspection Scope

The NRC inspection team reviewed S&L's policies and implementing procedures that govern the implementation of its supplier oversight program to verify compliance with the requirements of Criterion IV, "Procurement Document Control," and Criterion VII of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed the nuclear qualified suppliers list (NQSL), a sample of supplier audits, and the most recent POs for these suppliers. For the sample of POs reviewed, the NRC inspection team verified that the POs included, as appropriate: the scope of work, right of access to facilities, and extension of contractual requirements to sub-suppliers. The NRC inspection team also confirmed that the POs adequately invoked the applicable technical, regulatory, and quality requirements.

S&L is a member of the Nuclear Industry Assessment Committee (NIAC), which consists of companies who supply goods and services to the nuclear industry based on a quality program that meets the requirements of Appendix B to 10 CFR Part 50 or NQA-1, "Quality Assurance Requirements for Nuclear Facility Applications," and accept 10 CFR Part 21. NIAC develops and maintains procedures and processes necessary to plan, guide, and share supplier audits with its members. S&L uses NIAC audits to support the qualification and maintenance of suppliers. Once a NIAC audit is received, a qualified representative from S&L's QA organization reviews and evaluates the audit report for completeness and adequacy, in accordance with S&L's QA program and the appropriateness of the scope and approves the audit report as the basis for including the supplier on the NQSL.

For a sample of supplier audits reviewed, the NRC inspection team verified the audit reports included an audit plan, any findings identified, adequate documented objective evidence of compliance with the applicable requirements, and a review by S&L's responsible management. In addition, the NRC inspection team verified that the supplier audits were performed by a qualified auditor. Furthermore, the NRC inspection team reviewed a sample of training and qualification records of S&L's lead auditors and confirmed that the auditing personnel had completed all the required training and had maintained the applicable qualification and certification in accordance with S&L's policies and procedures.

The NRC inspection team also discussed the supplier oversight program with S&L's management and technical staff. The attachment to this inspection report lists the documents reviewed by the NRC inspection team.

b. Observation and Findings

No findings of significance were identified

c. Conclusion

The NRC inspection team concluded that S&L was implementing its supplier oversight program in accordance with the regulatory requirements of 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 S&L was implementing its policies and procedures associated with the supplier oversight program. No findings of significance were identified.

5. Nonconforming Materials, Parts, or Components and Performance Improvement Process

a. Inspection Scope

The NRC inspection team reviewed S&L's policies and implementing procedures that govern the implementation of its nonconforming materials, parts, or components and corrective actions program (known as the performance improvement program (PIP)) 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.

The NRC inspection team attended both of S&L's EOT meetings where the EOT performs an overview of S&Ls PIPs in various stages of review. The morning meeting discusses new PIPs recently initiated by S&L staff to confirm that they have been issued with all the correct information and assigned to the correct process groups. The afternoon meeting discusses PIPs that have been dispositioned to ensure that the significance level, which determines if an error is an NCR or not, was correctly assigned, as well as that adequate corrective action has been taken or initiated. The NRC inspection team also reviewed a sample of 13 PIPs selected from PIPs created since July 1, 2024. In reviewing these PIPs, the NRC inspection team verified that S&L ensured that all errors were classified as NCRs if applicable, and that all NCRs were adequately documented, dispositioned, verified, and closed with appropriate corrective action taken. The NRC inspection team also verified that S&L performed adequate review on all NCRs to determine if the NCRs were SCAQs or potentially 10 CFR Part 21 reportable. The PIPs were also reviewed to ensure that all activities required by S&Ls relevant procedures were accomplished in a timely manner.

The NRC Inspection team also reviewed the identification of issues and the process for entering issues into the PIP system, the process for dispositioning and correcting issues by relevant staff, and the process for closing. This review was in the service of ensuring that all potential problems are dispositioned and resolved in accordance with S&L's relevant procedures. The NRC inspection team conducted Interviews with technical and QA staff to verify that the decisions taken to resolve PIPs were adequate and that the actions taken over the lifecycle of a PIP were in accordance with relevant S&L procedures. The NRC inspection team also reviewed the corrective actions documented in the PIP system to ensure they were tracked and their adequacy to the relevant issues.

The documents reviewed by the NRC inspection team as well as a list of S&L staff interviewed are included in the attachment to this inspection report.

b. Observation and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that S&L is implementing its nonconforming materials, parts, or components and corrective action programs in accordance with the regulatory requirements of Criterion XV and Criterion XVI of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed, the NRC inspection team also determined that S&L is implementing its policies and procedures associated with the control of nonconforming materials, parts, or components and PIP programs. No findings of significance were identified.

6. Internal Audits

a. Inspection Scope

The NRC inspection team reviewed S&L's policies and implementing procedures that govern the implementation of its internal audit program to verify compliance with the requirements of Criterion XVIII, "Audits," of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed a sample of internal audits reports. The NRC inspection team verified that S&L had prepared and approved audit plans that identify the scope and criteria to be audited. The NRC inspection team confirmed that the audit reports contained objective evidence of the areas reviewed and that audit findings were entered into the PIP program. Furthermore, the NRC inspection team verified that lead auditors were adequately qualified.

The NRC inspection team also discussed the internal audit program with S&L's management and technical staff. The attachment to this inspection report lists the documents reviewed and the staff interviewed by the NRC inspection team.

b. Observations and Findings

No findings of significance were identified.

c. Conclusion

The NRC inspection team concluded that S&L is implementing its internal audits program in accordance with the regulatory requirements of Criterion XVIII of Appendix B to 10 CFR Part 50. Based on the limited sample of documents reviewed and activities observed, the NRC inspection team determined that S&L is implementing its policies and procedures associated with the internal audit program. No findings of significance were identified.

7. Entrance and Exit Meetings

On July 14, 2025, the NRC inspection team discussed the scope of the inspection with Mr. James McIntyre, Vice President & Quality Assurance Director, and other members of S&L's management and technical staff. On July 17, 2025, the NRC inspection team presented the inspection results and observations during an exit meeting with Mr. McIntyre, and other members of S&L'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 and Persons Interviewed

Name	Title	Affiliation	Entrance	Exit	Interviewed
Andrea Keim	Inspection Team Leader	Nuclear Regulatory Commission (NRC)	X	X	
Yiu Law	Inspector	NRC	X*	X*	
Frankie Vega	Inspector	NRC	X	X	
Jacob Davis	Inspector-in-training	NRC	X	X	
Kerri Kavanagh	Branch Chief	NRC		X	
James McIntyre	Vice President (VP)& Quality Assurance (QA) Director	Sargent & Lundy (S&L)	X	X	X
Alfred Garcia	Quality Assurance	S&L	X	X	X
Alec Kusaka	Quality Assurance	S&L	X	X	
Adam Mrugacz	Quality Assurance	S&L	X	X	X
Gabriele Daley	Nuclear Program Group (NPG) Operations Manager	S&L	X	X	
Tira L. Seals	Executive Assistant	S&L	X	X	
Jared Scott	Project Director	S&L	X		
Jeff Prendergast	Project Director	S&L	X		X
John Masse	Quality Assurance Associate	S&L	X	X	
Ashley Foote	Senior Quality Assurance Associate	S&L	X		
Travis Brosnan	Quality Assurance Associate	S&L	X		X
Kaycee Graal	Quality Assurance Associate	S&L	X		
Catherine McKnight	Quality Improvement Associate	S&L	X		
Shiven Sulkar	Chief Nuclear Officer	S&L	X	X*	
Micheal Breisch	Project Director	S&L	X*		
Elizabeth Marten	Quality Assurance Project Associate	S&L	X*	X*	
Sandra Jannetty	Project Director NPG	S&L	X*	X*	X
David Goode	Project Director NPG	S&L	X*	X*	X
Mathew Cooper	Project Director NPG	S&L	X*	X*	

Name	Title	Affiliation	Entrance	Exit	Interviewed
Robert Gerke	Project Director NPG	S&L	X*	X*	X
Micheal Flannagan	Project Director NPG	S&L	X*		
Peter Carusona	Project Director NPG	S&L	X*		
Quinn Reynolds	Project Director NPG	S&L	X*		X
Kevin Morris	Quality Assurance Project Associate	S&L	X*		
Maury Pressburger	Project Director NPG	S&L	X*		
William Barasa	Senior Engineering Manager	S&L		X*	
Brendon Strelow	Project Manager	S&L		X*	
Daniel Webb	Vice-President	S&L		X*	
Douglass Johnson	Sr. Vice-President and Director	S&L		X*	
Todd Baumbach	Vice-President	S&L		X*	

*Participated via teleconference

2. INSPECTION PROCEDURES USED

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

3. LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Item Number	Status	Type	Description
No previous findings			

4. DOCUMENTS REVIEWED

Policies and Procedures

- SL-TR-1A, "S&L Nuclear Quality Assurance Program Topical Report SL-TR-1A," Revision 27, dated April 24, 2025
- Standard Operating Procedure (SOP)-0401, "Design Drawings," Revision 9, dated July 7, 2022
- SOP-0204, "Computer Software Quality Policies and Requirements," Revision 17, dated March 25, 2024.
- SOP-0402, "Design Calculations," Revision 16, dated March 25, 2024
- SOP-0403, "Control of Design Input," Revision 8A, dated November 13, 2023

- SOP-0404, "Design Reviews," Revision 5, dated February 25, 2021
- SOP-0405, "Engineering Evaluations and Reports," Revision 15, dated March 25, 2024
- SOP-0406, "Control of Design Changes," Revision 4A, dated May 9, 2022
- SOP-0203, Project Management, Revision 3, dated April 8, 2021
- SOP-0407, Specifications and Bill of Materials, Revision 4, dated March 25, 2024
- SOP-0408, "Commercial Grade Dedication," Revision 3, dated June 8, 2022
- SOP-0601, "Project Procurement," Revision 19, dated August 8, 2023
- Standard Operating Procedure (SOP)-1401, "Performance Improvement Process" Revision 18, dated January 16, 2025
- SOP-1405, "Reporting Defects and Noncompliances" Revision 10, dated May 13, 2025
- SOP-1602, "Records Control" Revision 16, dated November 13, 2024
- SOP-1701, "Audits and Surveillances," Revision 8A, dated July 25, 2016
- SOP-1801, "Process Definition and Associated Personnel Qualifications" Revision 9, dated September 1, 2022
- GAS-0204-01, "Software Procurement," Revision 6, dated January 19, 2022
- GAS-0204-02, "Software Control," Revision 3, dated May 20, 2022
- GAS-0204-03, "Software Acceptance – Non-Nuclear Requirements," Revision 2, dated March 8, 2025
- GAS-0204-04, "Software Acceptance – Commercial Grade Dedication," Revision 3, dated April 10, 2024
- GAS-0204-06, "Software Development," Revision 3, dated September 26, 2024
- GAS-0603-02, "Control of Measuring & Test Equipment," Revision 3, dated December 3, 2024
- QAS-0408, "Commercial Grade Survey Performance," Revision 1, dated August 21, 2021
- QAS-601, "Supplier Quality Program Evaluation," Revision 19, dated January 17, 2025
- QAS-0603, "Control of Purchased Services," Revision 0, dated June 27, 2022
- QAS-1401, "QA PIP Processing," Revision 11, Dated September 2, 2020
- QAS-1402, "Data Analysis and Trending of PIPs," Revision 8, dated March 1, 2017
- QAS-1403, "Root Cause Analysis and Apparent Cause Evaluation," Revision 7, dated August 4, 2023
- QAS-1404, "Common Cause Analysis," Revision 3A, dated November 20, 2014
- QAS-1700, "Audit, Surveillance, Survey, and Evaluation Planning and Scheduling," Revision 19, dated January 25, 2024
- QAS-1701, "Qualification and Audit Personnel," Revision 11, dated August 8, 2024
- QAS-1702, "Audits and Surveillances," Revision 13, dated December 8, 2023
- QAS-1703, "Nuclear Industry Assessment Corporation (NIAC) Assessments," Revision 2A, dated December 8, 2023
- QAS-1704, "Auditing Quality Assurance Division Activities," Revision 2, dated May 1, 2023

Design Documents

Auxiliary Feedwater Controllers

- PO No. 98004066, dated March 4, 2024
- S&L Proposal No. IV0293-711 Rev. 0 "Proposal for Scoping and Requirements Development for Auxiliary Feedwater Controllers Replacement (project Phase 1)," dated February 21, 2024
- Project Specification No. SPEC-24-00003-PL "Auxiliary Feedwater Controllers

- Replacement and Positioner Upgrade,” Revision 0, dated June 27, 2024
- SOP-0404 Design Review Documentation for EC-00000093333, Revision 0

S&L CRN Geotech Vendor Subsurface Investigation Oversight

- PO No. 7461776, Revision 3, dated June 12, 2024
- SL-TVA-2006, Proposal for IV0293.981 Revision 0 CRN Subsurface Hydraulic Conductivity Oversight, dated June 7, 2024
- Report SL-019083, “Summary of CRN Subsurface Investigation & Hydraulic Conductivity Oversight,” Revision 0, August 30, 2024.

Replacement of Diesel Fire Pumps

- PWP for Contract No. 361873 “Diesel Fire Pump Replace”, dated February 20, 2024
- Specification No. 11308, “Fire Protection Pump, Engine, and Controller Procurement Specification,” Dated August 31, 2023 (Project No. 10919.246)
- Quality Requirements Form SOP-0301-03, Revision 12 for Contract No. 361873, dated March 14, 2023.
- Study No. ENW AR 225223 “Diesel Driven Fire Pump Replacement Study,” December 19, 2022
- Calculation Modification Record Form No. 20254 for Calculation No. E/I-02-90-01 Revision 18, dated
- Calculation Modification Record Form No. 20270 for Calculation No. 2.06.20 Revision 14
- Calculation Modification Record Form No. 20271 for Calculation No. E/I-02-95-01 Revision 9
- Calculation Modification Record Form No. 20272 for Calculation No. E/I-02-87-07 Revision 14
- Calculation Modification Record Form No. 0000020181 for Calculation No. FP-02-10-01
- Calculation Modification Record Form No. 20660 for Calculation No. DO-2542-2
- Design Equivalent Change Package “Replacement of Diesel Driven Fire Pumps,” Revision 001, May 27, 2025

Mechanical Design – Control Rod Drive System

- P.O. No. 437146871, Revision 11, dated August 9, 2024
- Project proposal IV0293.418, Revision 3, dated November 2023
- Drawing Number 006N5923, Revision 3, June 22, 2022
- SP0-S&L-A00-NNN-TPLN-PM-0001 “BWRX-300 Standard Plant Design S&L Project Manual” for Project No. A14975, Revision 0, dated April 7, 2024
- SP0-S&L-G12-RZZ-LEQP-MM-0001 associated with Project No. A14975.012, BWRX-300 Control Rod Drive System Equipment Lists
- SP0-S&L-G12-RZZ-LINE-MM-0001 associated with Project No. A14975.012, BWRX-300 Control Rod Drive System Pipeline List

Mechanical Design - Primary Containment Cooling System

- PO/SOW Doc-0016-8383 “S&L Engineering Services – BWRX-300 MNI Reactor Building Engineering & Design to Support BL2” Revision 7
- S&L proposal IV0293.418, Revision 3 for “GE BWRX-300 MNI Reactor Building Engineering and Design Support,” dated November 20, 2023

Geotechnical and Seismic Subsurface Investigation

- Proposal No. IV0293.334, dated May 1, 2023

- PO 000002598, dated June 2, 2023
- PO-0045798, dated June 13, 2023
- Procurement plan for Project No. A13766.124, dated June 9, 2023
- Specification No. X-2002, "Xe-100 Long Mott Project Subsurface Exploration" for project No. 13766.124, dated September 15, 2023

Software – Hytran

- User's Manual for HYTRAN (Hydraulic Transient Analysis Program), July 2022
- Software Configuration Control Submittal Form GAS-0204-02-01 for HYTRAN, dated November 15, 2022
- Software User Documentation Form GAS-0204-02-03 for HYTRAN
- Software Verification & Validation Report Certification Form GAS-0204-06-01 for HYTRAN, November 14, 2022.
- HYTRAN v2.0 Validation Report, Revision 0

Software – McHazard

- Calculation No. 2019-03163, Revision 1 "Software Verification and Validation Report for Monte Carlo Hazard Analysis Program- MCHazard, November 11, 2023
- Software Configuration Control Submittal Form GAS-0204-02-01 for Monte Carlo Hazard Analysis Program, November 11, 2023
- Software user documentation Form GAS-0204-02-03 for McHazard
- Software Verification & Validation Report Certification for Monte Carlo Hazard Analysis Program (MCHAZARD), November 08, 2023
- Software Requirements Specification and Software Design and Test Plan, November 06, 2023

Performance Improvement Process (PIP) (i.e., Corrective Action Process)

- PIP 2022-1053
- PIP 2023-1297, 2133, 2599,
- PIP 2024-0063, 0096, 0335, 0339, 1266, 1775, 2711, 2712, 2735, 2924, 3110, 3111, 3112
- PIP 2025-0055, 1350

Commercial Grade Dedication Packages

- CGD package for software PROTO-HX Shell & Tube
- CGD package for software PROTO-HX Plate & Frame
- CGD package for software ANSYS LS-DYNA
- CGD package for a Fluke Multifunction Calibrator
- CGD package for a Fluke Multimeter
- CGD package for Agilent/HP Oscilloscope
- ILAC Calibration Certificate for a sub-supplier

Audit Reports

- Evaluation Report No. 2023-010, dated March 29, 2023
- Evaluation Report No. 2024-006, dated October 10, 2024
- Audit Report No. 2021-075, dated January 17, 2022

- Audit Report No. 2024-002, dated June 6, 2024
- Audit Report No. 2025-000, dated April 7, 2025
- NIAC Audit Report No. 2023-046, dated December 5, 2023
- NIAC Assessment Evaluation Report No. 2024-074, dated September 27, 2024
- NIAC Surveillance Report No. 2023-071, dated February 29, 2024
- Surveillance Report No. 2024-073, dated January 30, 2025
- Audit Report No. 2023-050 dated February 15, 2024
- Audit Report No. 2024-010 dated April 5, 2024
- Audit Report No. 2024-051 dated December 16, 2024
- Audit Report No. 2024-052 dated December 20, 2024

Miscellaneous

- Nuclear Safety Review Committee Minutes January 15 with Updates (AutoPIPE), Dated January 15, 2024
- Tracking of AUTOPIPE Critical Error Client Notifications [UNKNOWN DATE]
- NPG PIPs since 7-1-2024, Dated July 8, 2025
- PIP 2023-1297 Impact Evaluation and Extent of Condition Report, dated October 25, 2023
- Email communication for PIP 2023-1297 "Start of 60 day 10 CFR Clock," dated September 18, 2023
- Email communication for PIP 2023-1297 "Documentation of Discussion," dated September 23, 2023
- "Sargent & Lundy Nuclear Qualified Suppliers List," Revision 215, dated July 10, 2025
- "Quality Assurance Division - Overview Schedule for the period of 10/01/2024 to 12/31/2026," dated February 28, 2025

Training and Qualification Records

- Qualification Records 6 design engineers: J Gerol, S Micic, D Nielson, S Pfeiffer, J Prendergast, D Stamatov
- Qualification Records for 19 commercial grade dedication personnel: A. Brown, L. Cleveland, J. Coats, T Hausman, P. Hoang, M Idell, P. Kohler, K. Mayer, T. McFall, K. Miller, A. Mrugacz, M. Nena, D. Nevill, R. Peterson, B. Rovagnati, A. Stanford, M. Summers, J. Wakeland, R. Young
- Qualification Records for 5 Lead Auditors: T. Brosnan, A. Foote, K. Graal, A. Kusaka, A. Mrugacz