



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

April 13, 2023

Mr. Mike Dunkelberger  
Quality Assurance Director  
MPR Associates, Inc.  
320 King Street, Suite 400  
Alexandria, VA 22314

SUBJECT: MPR ASSOCIATES, INC.'S NUCLEAR REGULATORY COMMISSION  
INSPECTION REPORT NO. 99902108/2023-201

Dear Mr. Dunkelberger:

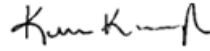
On March 6 through March 10, 2023, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an inspection at the MPR Associates, Inc.'s (hereafter referred to as MPR) facility in Alexandria, VA. The purpose of this limited-scope routine inspection was to assess MPR's compliance with the provisions 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 MPR's implementation of the quality activities associated with the supply of safety-related engineering and design services, software development, commercial-grade dedication services, and Basler excitation systems and associated components for U.S. nuclear power plants. The enclosed report presents the results of the inspection. This NRC inspection report does not constitute NRC's endorsement of MPR's overall quality assurance 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," of 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>.

Sincerely,



Signed by Kavanagh, Kerri  
on 04/13/23

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

Docket No.: 99902108

EPID No.: I-2023-201-0007

Enclosures:

Inspection Report No. 99902108/2023-201  
and Attachment

SUBJECT: MPR ASSOCIATES, INC.'S NUCLEAR REGULATORY COMMISSION  
INSPECTION REPORT NO. 99902108/2023-201 DATE: April 13, 2023

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**NRR-106**

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<b>OFFICE</b>	NRR/DRO/IQVB	NRR/DRO/IQVB	/
<b>NAME</b>	YLaw	KKavanagh	
<b>DATE</b>	4/12/2023	4/13/2023	

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

Docket No.: 99902108

Report No.: 99902108/2023-201

Vendor: MPR Associates, Inc.  
320 King Street, Suite 400  
Alexandria, VA 22314

Vendor Contact: Mr. Mike Dunkelberger  
Quality Assurance Director  
Email: mdunkelberger@mpr.com  
Phone: 703-519-0265

Nuclear Industry Activity: MPR Associates, Inc.'s scope of supply includes safety-related engineering and design services, software development, commercial-grade dedication services, and Basler excitation systems and associated components for U.S. nuclear power plants.

Inspection Dates: March 6 - 10, 2023

Inspectors: Yamir Diaz-Castillo NRR/DRO/IQVB Team Leader  
Andrea Keim NRR/DRO/IQVB  
Yiu Law NRR/DRO/IQVB  
Eva Brown NRR/DRO/IQVB Trainee

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

Enclosure

## EXECUTIVE SUMMARY

MPR Associates, Inc.  
99902108/2023-201

The U.S. Nuclear Regulatory Commission (NRC) staff conducted a limited scope routine inspection at the MPR Associates, Inc.'s (hereafter referred to as MPR) facility in Alexandria, VA, 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 from March 6, 2023 through March 10, 2023. This was the first NRC inspection at the MPR facility.

This technically-focused inspection specifically evaluated MPR's implementation of quality activities associated with the supply of safety-related engineering and design services, software development, commercial-grade dedication (CGD) services, and Basler excitation systems and associated components for U.S. nuclear power plants. Specific activities observed by the NRC inspection team included:

- CGD of a motor operated controller for Salem Nuclear Generating Station, Units 1 and 2
- Receipt inspection of a refurbished field current control board for Perry Nuclear Power Plant, Unit 1
- Meeting of the Corrective Action Review Team

These regulations served as the bases 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) 35710, "Quality Assurance Inspection of Software Used in Nuclear Applications," dated January 30, 2018; 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 results of the inspection are summarized below.

### Inspection Areas

The NRC inspection team determined that MPR established its programs for design control, CGD, procurement document control, supplier oversight, control of measuring and test equipment, nonconforming material, parts, or components, corrective action, and internal audits, in accordance with the 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 MPR is implementing its policies and procedures

associated with these programs. In addition, the NRC inspection team determined that MPR 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 in these areas.

## REPORT DETAILS

### 1. 10 CFR Part 21 Program

#### a. Inspection Scope

The NRC inspection team reviewed MPR Associates, Inc.'s (hereafter referred to as MPR) 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 evaluated the 10 CFR Part 21 postings and a sample of MPR's purchase orders (POs) to verify 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." The NRC inspection team also verified that MPR's nonconformance and corrective action procedures provide a link to MPR's 10 CFR Part 21 program.

The NRC inspection team verified that for a sample of 10 CFR Part 21 evaluations performed, MPR had effectively implemented the requirements for evaluating deviations and failures to comply. The NRC inspection team verified that MPR performed the required notifications in accordance with the requirements of 10 CFR 21.21, as applicable.

The NRC inspection team also discussed the 10 CFR Part 21 program with MPR'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 MPR 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 MPR 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 MPR's policies and implementing procedures that govern the implementation of its design control program to verify compliance with the requirements of Criterion III, "Design Control," of Appendix B to 10 CFR Part 50.

The NRC inspection team reviewed a sample of engineering design packages associated with proposed changes to safety-related systems and/or components. The sample selected included the review of: (1) a critical submergence evaluation; (2) an

assessment of a facility's K2 contactors; (3) an American Society of Mechanical Engineers boundary assessment; and (4) the determination of inspection requirements for an excitation control panel. For each these engineering design packages, the NRC inspection team verified that design inputs were correctly translated in engineering analyses from either information provided by the licensee through the PO or through verified licensee sources. The review also included a demonstration of how design inputs could be obtained from the licensee and the related controls associated with verifying the accuracy of that information. The NRC inspection team also reviewed the relationship between organizations and confirmed that design verification activities were performed by individuals sufficiently independent from those who performed the original design activities and were provided the requisite access and authority independent of the organization performing the design activities.

The NRC inspection team also reviewed the implementation of operation and maintenance controls associated with a safety-related software used to support engineering design activities. Specifically, the NRC inspection team reviewed an update to the software platform and confirmed that the changes were evaluated, controlled, and implemented in accordance with MPR's policies and procedures.

In general, the NRC inspection team confirmed that MPR's design control process was consistent with the applicable regulatory requirements, and that MPR correctly translated the design basis into the applicable specifications, drawings, procedures, and instructions. The NRC inspection team confirmed that MPR's design control process ensured that: (1) appropriate quality standards and technical requirements were specified and included in design documents and drawings, (2) independent verifications and checks were integrated into the process and were being performed, (3) qualification tests are performed, as applicable, and (4) design changes were adequately controlled and implemented in accordance with MPR's policies and procedures.

The NRC inspection team also discussed the design control program, including software configuration management, with MPR'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 MPR 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 MPR is implementing its policies and procedures associated with the design control program and the software used to support existing design activities. No findings of significance were identified.



### 3. Commercial-Grade Dedication

#### a. Inspection Scope

The NRC inspection team reviewed MPR's policies and implementing procedures that govern the implementation of its commercial-grade dedication (CGD) program to verify compliance with the regulatory 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 a sample of CGD documents and the commercial-survey of a commercial supplier on MPR's commercial Approved Suppliers List (ASL). The sample of CGD documents reviewed included the following items: (1) exciter replacement cabinet; (2) pressure transmitter; (3) power transformer; (4) relays; and (5) a pressure switch. The CGD documents reviewed included: (1) CGD reports; (2) CGD plans; (3) technical evaluations; (4) receipt, in-process, and final inspection reports; (5) procurement plans; (6) equivalency evaluations; and (7) travelers.

The NRC inspection team evaluated the criteria for the identification of item functions, credible failure mechanisms and modes, selection of critical characteristics and acceptance criteria, identification of verification methods, and justification of the sampling methodologies, as applicable, to verify effective implementation of MPR's CGD process. In addition, the NRC inspection team verified the commercial-grade survey contained the objective evidence necessary to demonstrate the commercial vendor adequately controls the critical characteristics during the applicable activity. The NRC inspection team confirmed that MPR's CGD process provides reasonable assurance that the items and services being dedicated will perform their intended safety function.

The NRC inspection team also witnessed the verification of a sample of critical characteristics as part of the CGD of a motor operated controller for Salem Nuclear Generating Station, Units 1 and 2. The NRC inspection team verified that MPR's technician was adequately following the CGD plan and documenting the inspection results. In addition, the NRC inspection team confirmed the technician was using calibrated measuring and testing equipment (M&TE) to take the appropriate measurements. Furthermore, the NRC inspection team reviewed the training and qualification records of the technician and confirmed the technician had completed all the required training and had maintained the applicable qualification and certification in accordance with MPR's policies and procedures.

The NRC inspection team also discussed the CGD program with MPR'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 MPR 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 and activities

observed, the NRC inspection team also determined that MPR is implementing its policies and procedures associated with the CGD program. No findings of significance were identified.

#### 4. Procurement Document Control and Supplier Oversight

##### a. Inspection Scope

The NRC inspection team reviewed MPR's policies and implementing procedures that govern the implementation of its procurement document control and supplier oversight programs 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 MPR's safety-related ASL and a sample of POs, supplier audits, and receipt inspection records.

The NRC inspection team reviewed a sample of POs and verified the POs included, as applicable: (1) the scope of work; (2) right of access to the suppliers' facilities; (3) extension of contractual requirements to sub-suppliers; (4) and the applicable technical, regulatory, and quality requirements.

The NRC inspection team also reviewed a sample of audit reports and verified that the audit reports included, as applicable: (1) an audit plan; (2) any findings identified; (3) adequate documented objective evidence of compliance with the applicable requirements; and (4) a review by MPR's responsible management. In addition, the NRC inspection team also verified that the audits were performed by qualified auditors. Furthermore, the NRC inspection team reviewed the training and qualification records of lead auditors and auditors and confirmed that auditing personnel had completed all the required training and had maintained the applicable qualification and certification in accordance with MPR's policies and procedures.

The NRC inspection team also observed the receipt inspection of a refurbished field current control board for Perry Nuclear Power Plant, Unit 1 and confirmed that the receipt inspection was performed in accordance with the applicable MPR's policies and procedures. In addition, the NRC inspection team reviewed the training and qualification records of the inspector and confirmed that the inspector had completed all the required training and had maintained the applicable qualification and certification in accordance with MPR's policies and procedures.

The NRC inspection team also discussed the procurement document control and supplier oversight programs with MPR'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 MPR is implementing its procurement document control and supplier oversight programs 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 and activities observed, the NRC inspection team determined that MPR is implementing its policies and procedures associated with the procurement document control and supplier oversight programs. No findings of significance were identified.

5. Control of Measuring and Test Equipment

a. Inspection Scope

The NRC inspection team reviewed MPR's policies and implementing procedures that govern the implementation of its M&TE program to verify compliance with the requirements of Criterion XII, "Control of Measuring and Test Equipment," of Appendix B to 10 CFR Part 50.

MPR sends all their M&TE to a laboratory on the safety-related ASL for calibration. For a sample of M&TE, the NRC inspection team verified that the M&TE had the appropriate calibration stickers and current calibration dates, including the calibration due date. The NRC inspection team also verified that the M&TE had been calibrated, adjusted, and maintained at prescribed intervals prior to use. In addition, the NRC inspection team verified that the Certificates of Calibration contained the following information: (1) as-found or as-left conditions; (2) accuracy required; (3) calibration results; (4) calibration dates; and (5) the due date for recalibration.

The NRC inspection team verified that the selected M&TE was calibrated using procedures traceable to known industry standards. The NRC inspection team confirmed that when M&TE equipment is found to be out of calibration, MPR generates a nonconformance report (NCR) to identify items that have been accepted using this equipment since the last valid calibration date and to perform an extent of condition review. The NRC inspection team performed a walk-down of MPR's laboratory and confirmed that M&TE were labeled, handled, and stored in a manner that indicated the calibration status of the instrument and ensured its traceability to calibration test data.

The NRC inspection team also discussed the M&TE program with MPR'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 MPR is implementing its M&TE program in accordance with the regulatory requirements of Criterion XII 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 MPR is implementing its

policies and procedures associated with the M&TE program. No findings of significance were identified.

## 6. Nonconforming Materials, Parts, or Components and Corrective Action

### a. Inspection Scope

The NRC inspection team reviewed MPR's policies and implementing procedures that govern the implementation of its nonconforming materials, parts, 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.

MPR's nonconformance process provides for the identification, documentation, segregation, evaluation, and disposition of nonconforming items. The NRC inspection team observed MPR's testing laboratory and verified that nonconforming items were properly identified, marked and segregated, when practical, to ensure that they are not reintroduced into inventory.

The NRC inspection team reviewed a sample of NCRs and confirmed that MPR: (1) dispositioned the NCRs in accordance with the applicable procedures; (2) documented an appropriate technical justification for the dispositions; and (3) took adequate corrective action regarding the nonconforming items to prevent recurrence.

The NRC inspection team also reviewed a sample of condition reports (CRs) and confirmed that the CRs contain, as applicable: (1) adequate documentation and description of conditions adverse to quality; (2) an appropriate analysis of the cause of these conditions and the corrective actions taken to prevent recurrence; and (3) direction for review and approval by the responsible MPR management to verify effective implementation of the corrective actions.

The NRC inspection team also attended an MPR Corrective Action Review Team (CART) meeting. The CART is comprised of at least five members and meets biweekly to ensure that conditions adverse to quality are satisfactorily resolved. The CART ensures that CRs are assigned the appropriate level of significance and that corrective actions are completed and verified. The CART ensures that appropriate levels of management are aware of significant conditions adverse to quality, their cause, and the corrective actions taken. The CART also reviews CRs for closure. The NRC inspection team confirmed that CRs are adequately monitored, evaluated, resolved, and closed during the CART meeting, as applicable.

The NRC inspection team also discussed the nonconforming materials, parts, or components and corrective action programs with MPR'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 MPR 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 and activities observed, the NRC inspection team also determined that MPR is implementing its policies and procedures associated with the control of nonconforming materials, parts, or components and corrective action programs. No findings of significance were identified.

7. Internal Audits

a. Inspection Scope

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

For the sample of internal audits reviewed, the NRC inspection team verified that the audit reports included: (1) an audit plan; (2) audit results; (3) adequately documented objective evidence with the applicable requirements; and (4) a review by MPR's responsible management. These audits were performed at the minimum frequency as specified in MPR's policies and procedures and follow-up actions were taken to resolve identified conditions that require corrective actions and conditions that provide opportunities for improvement. In addition, the NRC inspection team also verified that the internal audits were performed by qualified auditors.

The NRC inspection team also discussed the internal audits program with MPR'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 MPR 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, the NRC inspection team also determined that MPR is implementing its policies and procedures associated with its internal audits program. No findings of significance were identified.

8. Entrance and Exit Meetings

On March 6, 2023, the NRC inspection team discussed the scope of the inspection with Mr. Robert Carritte, MPR's Principal Officer, and other members of MPR's management and technical staff. On March 10, 2023, the NRC inspection team presented the inspection results and observations during an exit meeting with Mr. Carritte, and other members of MPR'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

<b>Name</b>	<b>Title</b>	<b>Affiliation</b>	<b>Entrance</b>	<b>Exit</b>	<b>Interviewed</b>
Robert Carritte	Principal Officer	MPR Associates, Inc. (MPR)	X	X	
John W. Simmons	Vice President	MPR	X	X	
Dennis Klein	Vice President	MPR	X		
Craig B. Swanner	General Manager	MPR	X		
Michael K. Dunkelberger	Quality Assurance Director	MPR	X	X	X
Michael C. Spahn	Quality Engineer	MPR	X	X	X
Lakeisha Ann Eaton	Quality Assurance Coordinator	MPR	X	X	X
Emily P. Mueller	Laboratory Manager	MPR			X
Peter C. Carlone	Engineer	MPR	X	X	
Frank J. Del Campo	Engineer	MPR	X		X
Robert W. Ashworth	Engineer	MPR			X
Thomas C. King	Engineer	MPR			X
Suzanne P. McKillop	Engineer	MPR			X
Raheem A. Rashid	Engineer	MPR			X
Timothy H. Shaw	Engineer	MPR			X
Forrest H. Nale	Engineer	MPR		X	
Yamir Diaz-Castillo	Inspection Team Leader	Nuclear Regulatory Commission (NRC)	X	X	
Andrea Keim	Inspector	NRC	X	X	
Eva Brown	Inspector	NRC	X	X	
Yiu Law*	Inspector	NRC	X	X	

Name	Title	Affiliation	Entrance	Exit	Interviewed
Kerri Kavanagh*	Branch Chief	NRC		X	

\*Participated remotely.

## 2. INSPECTION PROCEDURES USED

Inspection Procedure (IP) 35710, "Quality Assurance Inspection of Software Used in Nuclear Applications," dated January 30, 2018.

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. DOCUMENTS REVIEWED

### Policies and Procedures

- MPR Associates, Inc. Nuclear Quality Assurance Manual, Edition 2, Revision 13, dated December 30, 2022
- Nuclear Quality Assurance Procedure (NQAP), STD 1.1, "Order Entry/Contract Review Process," Revision 8, dated December 30, 2022
- NQAP QA-2.1, "Applicability of 10CFR50, Appendix B or NQA-1," Revision 8, dated August 31, 2016
- NQAP QA-2.3, "Indoctrination and Training," Revision 8, dated August 31, 2016
- NQPA QA-2.4, "Certification of Inspection, Examination and Test Personnel," Revision 9, dated July 22, 2016
- NQAP QA-2.5, "Program Elements for Procurement, Receipt, and Acceptance of Items and Services," Revision 8, dated December 20, 2019
- NQAP QA-2.6, "Qualification of ASME Code Design Report and ASME Code Design Specification Certification Personnel," Revision 8, dated December 30, 2022
- NQAP Q-2.7, "Certification of Subject Matter Experts," Revision 4, dated August 31, 2016
- NQAP QA-2.8, "Requirements for Training on the EPRI Performance Prediction Methodology," Revision 2, dated August 31, 2016
- NQAP QA-3.1, "Design Control," Revision 16, dated December 30, 2022



- NQAP QA-3.2, "Requirements for Use of Computer Software," Revision 13, dated December 10, 2021
- NQAP QA-3.3, "Software Development Requirements," Revision 14, dated May 25, 2018
- NQAP QA-3.4, "Certification of ASME Code Design Specifications and ASME Code Design Reports," Revision 5, dated May 25, 2018
- NQAP QA-4.1, "Specification and Evaluation of Replacement Items," Revision 6, dated October 12, 2018
- NQAP QA-4.2, "Procurement Document Control," Revision 10, dated August 27, 2021
- NQAP QA-7.1, "Control of Purchased Items and Services," Revision 6, dated November 30 2016
- NQAP QA-7.2, "Acceptance Processes for Nuclear Grade Items and Services," Revision 5, dated January 1, 2014
- NQAP QA-7.3, "Acceptance Processes for Commercial Grade Items," Revision 8, dated January 1, 2014
- NQAP QA-7.4, "Sampling When Performing Special Tests and Inspections," Revision 4, dated January 1, 2014
- NQAP QA-7.5, "Acceptance Processes for Commercial Grade Services," Revision 13, dated December 30, 2022
- NQAP QA-7.6, "Approved Supplier List," Revision 9, dated August 27, 2021
- NQAP QA-12.1, "Control of Measuring and Test Equipment," Revision 6, dated December 30, 2022
- NQAP QA-15.1, "Control of Nonconforming Items," Revision 13, dated December 6, 2019
- NQAP QA-16.1, "Corrective and Preventive Action," Revision 14, dated January 31, 2018
- NQAP QA-16.2, "10CFR21 Reporting," Revision 8, dated August 31, 2016
- NQAP QA-18.1, "Auditor Qualifications," Revision 7, dated October 12, 2018
- NQAP QA-18.2, "Internal Audit," Revision 13, dated December 30, 2022
- NQAP QA-18.3, "External Audits and Surveys," Revision 8, dated January 5, 2015
- QA 2.3-2, "Training Plan for Implementation of Changes to the Nuclear QA Program," Revision 0, dated May 16, 2012
- 0011-TREND-RPT-2021, "Trend Analysis of 2021 Condition Report and Nonconformance Report Data," Revision 0, dated April 5, 2022

- 0011-TREND-RPT-2020, “Trend Analysis of 2020 Condition Report and Nonconformance Report Data,” Revision 0, dated March 12, 2011
- 0011-CART-MEMO-002, “Appropriate Significance Level for M&TE found Out-of-Tolerance,” Revision 0, dated July 13, 2018

#### Design Control Records

- 1108-2102-0092, “Hope Creek ASME Class Boundary Position Paper”
- 2270-2203-0105, “Brunswick HPCI Pump Critical Submergence”
- 2270-0105-LTR-001, “Condensate Storage Tank Critical Submergence Evaluation for Brunswick Units 1 and 2”
- 0140-0415-SPEC-001, “Software Modification Plan for Version 4.1 of the EPRI MOV PPM,” Revision 3, dated June 9, 2022
- 0140-0415-SPEC-002, “Software Verification and Validation Plan for EPRI MOV PPM v4.1,” Revision 0, dated June 11, 2022
- 0140-0415-SPEC-003, “Software Baseline 1.0 for WinPPM Version 4.1,” Revision 0, dated August 22, 2022
- 1108-0092-RPT-001, “Evaluation of ASME Class Boundary on an RWU Drain Line at Hope Creek” Revision 0
- 0140-2105-0415, “Electric Power Research Institute Motor Operated Valve Performance Prediction Methodology Code,” Revision V4.1
- 0140-0415-SDP-001, “Software Development Process,” Revision 2, dated August 19, 2022
- 1110-0067-PR-001, “Procedure - Turkey Point Unit 3 Excitation Control Panel Inspection (3E04A/3E04B),” Revision 1, dated September 14, 2022
- 1110-0067-PLAN-001, “Turkey Point Unit 3 - Emergency Diesel Generator Exciter Voltage Regulator Bump Test Plan” Revision 0, dated September 14, 2022
- 0200-2109-0218, Davis-Besse K2 Contactors (2<sup>nd</sup> Project)
- Duke Energy Contract No. 02783888 00131, dated June 6, 2022
- Energy Harbor Purchase Order (PO) No. 45665964, October 25, 2021
- Letter P21-1108-1119, “Proposal for ASME Class Boundary Position Paper,” Revision 0, dated March 1, 2021
- Contract Routing, Project ID No. 11082102, “ASME Class Boundary Position Paper,” dated March 22, 2021

- Contract Routing, Project ID No. 22702203, "HPCI Pump Critical Submergence," June 14, 2022
- Contract Routing, Project ID No. 02002109, "Davis-Besse K2 Contactors (2<sup>nd</sup> Project)," dated November 10, 2021
- Public Service Enterprise Group Order No. 5000034446, "ASME Class Boundary Position Paper," dated March 17, 2021
- Electric Power Research Institute (EPRI) Project Agreement No. 10013474NQA, "PPM Code Support 2021," dated February 19, 2021
- EPRI Project Agreement No. 1001347NQA, "PPM Code Support 2021," dated February 19, 2021
- EPRI Project Agreement No. 10014742NQA, "PPM Code Support 2022," dated January 27, 2022
- MPR-140-090-1, Revision 7, "Software Requirements Specification for EPRI PPM for Windows," dated September 21, 2021
- MAPS Project Quality Record, Project ID No. 02002109, "Davis-Besse K2 Contactors (2<sup>nd</sup> Project)," dated November 4, 2021
- MAPS Quality Record, Project ID No. 22702203, "HPCI Pump Critical Submergence," August 22, 2022

#### Commercial-Grade Dedication Records

- MPR Commercial Grade Dedication Process Diagram
- Commercial Grade Dedication Report No. 0321-0129-RPT-001, "Allen Bradley 700DC-P800-Z1 Relays," Revision 0, dated August 17, 2022
- Commercial Grade Dedication Report No. 0280-0128-RPT-001, "SR8A Power Isolation Transformer," Revision 0, dated September 10, 2019
- Commercial Grade Dedication Report No. 0115-0054-RPT-001, "Rosemount 1151 Pressure Transmitters," Revision 2, dated April 6, 2021
- Commercial Grade Item/Service Acceptance Record No. 0321-0129-CGAR-001, "K10/K11/K18 Relays, Allen Bradley, 700DC-P800-Z1," Revision 0, dated August 15, 2022
- Commercial Grade Item/Service Acceptance Record No. 0280-0128-CGAR-001, "Perry Power Isolation Transformer," Revision 0, dated September 8, 2021
- Commercial Grade Item/Service Acceptance Record No. 0115-0054-CGAR-001, "Rosemount 1151 Pressure Transmitter 1085509," Revision 0, November 12, 2020

- Commercial Grade Item/Service Acceptance Record No. 0115-0054-CGAR-001, "Rosemount 1151 Pressure Transmitter 1085509," Revision 1, dated December 30, 2020
- Commercial Grade Item/Service Acceptance Plan No. 0280-0128-CGAP-001, "Basler BE13487002 Power Isolation Transformer," Revision 1, dated August 3, 2021
- Commercial Grade Item/Service Acceptance Plan No. 0280-0136-CGAP-001, "Potentiometer for Perry Field Current Control Board," Revision 1, dated February 21, 2023
- Commercial Grade Item/Service Acceptance Plan No. 0321-0129-CGAP-001, "Relays, Allen Bradley 700DC-P800-Z1," Revision 0, dated June 6, 2006
- Commercial Grade Item/Service Acceptance Plan No. 0115-0054-CGAP-001, "Rosemount Model 1151 Pressure Transmitters," Revision 0, dated August 28, 2020
- Commercial Grade Item/Service Acceptance Plan No. 0110-0092-CGAP-009, "Conductors PSL U1 EDG VR Excitation System Replacement," Revision 2, dated July 9, 2020
- Commercial Grade Item Evaluation No. CGI-EVAL-020, "K4 Relay (Allen-Bradley 700DC-P800-Z1 and 700DC=P400-Z1)," Revision 4, dated February 10, 2022
- Commercial Grade Item Evaluation No. CGI-EVAL-101, "Setpoint Potentiometer - GENERIC," Revision 1, dated December 17, 2020
- Commercial Grade Item Evaluation No. CGI-EVAL-115, "Power Isolation Transformer," Revision 0, dated March 17, 2022
- Certificate of Conformance No. 0321-0129-CC-001, "K10/K11/K18 Relays, Allen Bradley, 700DC-P800-Z1," Revision 0, dated August 15, 2022
- Certificate of Conformance No. 0380-0098-CC-001, "Task 0380-2106-0098 - Hatch Pressure Switch CGD," Revision 0, dated October 10, 2022
- Certificate of Conformance No. 0280-0128-CC-001, "One Power Isolation Transformer with Basler Part Number BE13487002," Revision 0, dated September 8, 2021
- Certificate of Conformance No. 0115-0054-CC-001, "Rosemount 1151 Pressure Transmitters," Revision 0, dated November 12, 2020
- Certificate of Conformance No. 0115-0054-CC-002, "Rosemount 1151 Pressure Transmitters," Revision 0, dated November 12, 2020
- Final Inspection Report No. 0380-0098-FINS-001, Revision 0, dated October 24, 2022
- Final Inspection Report No. 0321-0129-FINS-001, "K10/K11/K18 Relays, Allen Bradley, 700DC-P800-Z1," Revision 0, dated August 15, 2022
- Final Inspection Report No. 0280-0128-FINS-001, "Perry Power Isolation Transformer, BE13487002," Revision 1, dated September 8, 2021

- Final Inspection Report No. 0115-0054-FINS-001, “Final Inspection of First Device from Exelon Power Labs, Rosemount 1151 Pressure Transmitters” Revision 0, dated November 12, 2020
- Final Inspection Report No. 0115-0054-FINS-002, “Final Inspection of First Device from Exelon Power Labs, Rosemount 1151 Pressure Transmitters” Revision 0, dated November 12, 2020
- In-Process Inspection Report No. 0321-0129-IINS-001A, “Beaver Valley K4 Relays, Contact Configuration,” Revision 0, dated August 9, 2022
- In-Process Inspection Report No. 0321-0129-IINS-001B, “Beaver Valley K4 Relays,” Revision 0, dated August 9, 2022
- In-Process Inspection Report No. 0321-0129-IINS-002A, “Beaver Valley K4 Relays, Contact Configuration,” Revision 0, dated August 10, 2022
- In-Process Inspection Report No. 0321-0129-IINS-002B, “Beaver Valley K4 Relays,” Revision 0, dated August 10, 2022
- In-Process Inspection Report No. 0115-0054-IINS-001, “Rosemount Model 1151 Pressure Transmitters,” Revision 0, dated September 14, 2020
- Project Plan for Procurement No. 0280-0136-PP-001, “Perry Field Current Control Board Refurbishment,” Revision 1, dated February 24, 2023
- Project Plan for Procurement No. 0321-0129-PP-001, “Allen Bradley 700DC-P800-Z1 Relays,” Revision 0, dated June 6, 2022
- Project Plan for Procurement No. 0380-0098-PP-001, “P45NCA-6 Pressure Switch,” Revision 0, dated February 15, 2022
- Project Plan for Procurement No. 0280-0128-PP-001, “Power Isolation Transformer for Perry Nuclear Power Plant,” Revision 1, dated May 12, 2021
- Project Plan for Procurement No. 0110-0112-PP-002, “Marathon 210 Terminal Blocks,” Revision 0, dated June 5, 2020
- Project Plan for Procurement No. 0110-0112-PP-003, “States Terminal Blocks,” Revision 0, dated June 5, 2020
- Project Plan for Procurement No. 0115-0054-PP-001, “Rosemount 1151 Pressure Transmitters,” Revision 0, August 19, 2020
- Nuclear Grade Item/Service Acceptance Record No. 0380-0098-NUAR-001, “P45NCA-6 Technical Evaluation and Commercial Grade Dedication Plan,” Revision 2, dated August 4, 2008
- Receipt Inspection Report No. 0380-0098-RINS-001A, “P45NCA-6 (Item 1 of 2),” Revision 0, dated October 12, 2022

- Receipt Inspection Report No. 0380-0098-RINS-001B, "P45NCA-6 (Item 2 of 2)," Revision 1, dated January 1, 2023
- Receipt Inspection Report No. 0110-0112-RINS-070, "TBT2, TBNM, Terminal Board TBT2, TBNM (10 pole), Marathon 210," Revision 0, dated July 7, 2020
- Nuclear Supplier Commercial Grade Survey Plan No. NSA-2021-01, Revision 0, dated February 3, 2022
- Specification and Equivalency of Replacement Items No. 0321-0129-EE-001, "Relays, Allen Bradley 700DC-P800-Z1," Revision 0, dated June 6, 2022
- Specification and Equivalency of Replacement Items No. 0280-0128-EE-001, Revision 1, dated August 3, 2021
- Specification and Equivalency of Replacement Items No. 0115-0054-EE-001, "Rosemount 1151 Pressure Transmitters," Revision 0, September 30, 2020
- Special Tests and Inspections Record No. 0321-0129-STIR-001, "K10/K11/K18 relays, Allen Bradley, 700DC-P800-Z1," Revision 0, dated August 15, 2022
- Special Tests and Inspections Record No. 0280-0128-STIR-001, "Perry Power Isolation Transformer," Revision 0, dated August 8, 2021
- Special Tests and Inspections Record No. 0110-0112-STIR-009, "Conductors PSL U1 EDG VR Excitation System Replacement," Revision 1, dated September 9, 2021
- Traveler No. 0280-01280TRV-001, "Perry Power Isolation Transformer," Revision 0, dated August 6, 2021
- Traveler No. 0280-0136-TRV-001, "Perry Field Current Control Board," revision 0, dated January 31, 2023
- Traveler No. 0321-0129-TRV-001, "Beaver Valley K4 Relays, 700D-P800-Z1," Revision 0, dated August 5, 2022
- Traveler No. 0321-0129-TRV-002, "Beaver Valley K4 Relays, 700D-P800-Z1," Revision 0, dated August 9, 2022
- Traveler No. 0380-0098-TRV-001, "Differential Pressure Switch (DPS-01)," Revision 0, dated October 12, 2022
- Traveler No. 0380-0098-TRV-002, "Differential Pressure Switch (DPS-02)," Revision 0, dated October 12, 2022
- Traveler No. 0115-0054-TRV-001, "Rosemount Pressure Transmitters," Revision 0, dated September 10, 2020
- 0321-0112-MEMO-001, "Seismic Qualification Test Summary for Allen Bradley 700DC-P800-Z1 Relays," Revision 0, dated January 25, 2017

### Calibration and Testing Records

- 0011-CART-MEMO-001, "Appropriate Significance Level for M&TE found Out-of-Tolerance," Revision 0, dated July 13, 2019
- Certificate of Calibration No. 0011388946 for a stopwatch
- Certificate of Calibration No. 0011393108 for a digital scale
- Certificate of Calibration No. 0011354958 for postal scale
- Certificate of Calibration No. 0011341295 for an AC/DC/IR hipot test set
- Certificate of Calibration No. 0011388942 for a clamp meter
- Certificate of Calibration No. 0011387429 for a multimeter
- Certificate of Calibration No. 0011413418 for a torque wrench
- Certificate of Calibration No. 0011387651 for a digital caliper
- Certificate of Calibration No. 0011345181 for a digital multimeter
- Certificate of Calibration No. 0011426541 for a torque driver

### Procurement Records, Audit Reports, and Commercial-Grade Surveys

- PO No. 0280-0136-PO-001 for inspection, refurbishment, and testing of one field control circuit board, Revision 0, dated January 31, 2023
- PO No. 0200-0218-PO-001, for three (3) Basler P/N 28789, ABB P/N AE50-30-11-87, Revision 0, dated November 10, 2021
- PO No. 0380-0098-PO-001 for a pressure switch, Revision 0, dated February 2, 2022
- PO No. 0280-0128-PO-001 for power isolation transformer, Revision 2, dated May 11, 2021
- PO No. 0115-0054-PO-001 for testing services, Revision 0, dated August 28, 2020
- PO No. 0011-0001-1305 for quality assurance services for a software, dated April 25, 2013
- PO No. 0011-0001-1305, Change Order 10, for quality assurance services for a software, dated November 17, 2022
- PO No. 2270-0106-PO-001 for a software, Revision 0, dated June 28, 2022
- PO No. 0011-0001-PO-2202 for calibration services of M&TE, Revision 0, dated January 27, 2022

- PO No. 0011-0001-PO-2202, Change Order 01, for calibration services of M&TE, dated March 21, 2022
- PO No. 0011-0001-PO-2202, Change Order 02, for calibration services of M&TE, dated March 30, 2022
- PO No. 0011-0001-PO-2202, Change Order 03, for calibration services of M&TE, dated June 30, 2022
- PO No. 0011-0001-PO-2202, Change Order 04, for calibration services of M&TE, dated October 12, 2022
- PO No. 0011-0001-PO-2202, Change Order 05, for calibration services of M&TE, dated November 10, 2022
- PO No. 0011-0001-PO-2202, Change Order 06, for calibration services of M&TE, dated December 12, 2022
- PO No. 0282-0192-PO-001 for safety related hardware, Revision 0, dated March 10, 2022
- PO No. 0282-0192-PO-001, Change Order 1, for safety related hardware, dated March 25, 2022
- PO No. PS06-0009-001 for a software, dated February 24, 2016
- PO No. PS06-0009-001, Change Order 9, for a software, dated March 3, 2023
- PP No. 0011-0001-1304, Project Plan for Procurement, Receipt, and Acceptance of Items and Services for quality assurance services for a software, Revision 0, dated April 25, 2013
- PP No. 2270-0106-PP-001, Project Plan for Procurement, Receipt, and Acceptance of Items and Services for quality assurance services for a software, Revision 0, dated June 27, 2022
- PP No. 0011-0001-PP-2201, Project Plan for Procurement, Receipt, and Acceptance of Items and Services for quality assurance services for calibration services of M&TE, Revision 0, dated January 1, 2022
- PP No. 0282-0192-PO-001, Project Plan for Procurement, Receipt, and Acceptance of Items and Services for quality assurance services for safety-related hardware, Revision 0, dated March 10, 2022
- 0011-0001-NUAR-2203-01, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated April 15, 2022
- 0011-0001-NUAR-2203-02, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated June 6, 2022
- 0011-0001-NUAR-2203-03, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated June 10, 2022



- 0011-0001-NUAR-2203-04, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated June 30, 2022
- 0011-0001-NUAR-2203-05, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated July 20, 2022
- 0011-0001-NUAR-2203-06, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated October 18, 2022
- 0011-0001-NUAR-2203-07, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated November 15, 2022
- 0011-0001-NUAR-2203-08, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated December 8, 2022
- 0011-0001-NUAR-2203-09, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated January 12, 2023
- 0011-0001-NUAR-2203-10, Nuclear Grade Item/Service Acceptance Record for calibration services of M&TE, Revision 0, dated February 22, 2023
- 0282-0192-NUAR-001, Nuclear Grade Item/Service Acceptance Record for safety related hardware, Revision 0, dated March 31, 2022
- 0282-0192-RINS-002, Receipt Inspection Report for safety-related hardware, Revision 0, March 31, 2022
- Interim Review of Approved Supplier for a research laboratory, dated April 27, 2020
- IRAS-21-005, Interim Review of Approved Supplier for a software supplier, Revision 0, dated April 30, 2021
- IRAS-22-010, Interim Review of Approved Supplier for a software supplier, Revision 0, dated November 1, 2022 (Ben)
- NIAC-22-004, Evaluation of NIAC audit for a software supplier, Revision 9, dated June 10, 2022
- NIAC-18-005, Evaluation of NIAC Audit for a software supplier, Revision 1, dated July 10, 2018
- NIAC-21-004, Evaluation of NIAC Audit for a software supplier, Revision 0, dated August 18, 2021
- NIAC-21-004, Evaluation of NIAC Audit for a software supplier, Revision 2, dated March 11, 2022
- NIAC-21-003, Evaluation of NIAC Audit for an ASME component supplier, Revision 0, dated August 3, 2021

- NIAC-21-001, Evaluation of NIAC Audit for a calibration laboratory, Revision 1, dated March 10, 2021
- NIAC-20-001, Evaluation of NIAC Audit for a software supplier, Revision 0, dated September 30, 2020
- NIAC-20-001, Evaluation of NIAC Audit for a software supplier, Revision 1, dated December 11, 2020
- NSAP-2020-03, NIAC [Nuclear Industry Assessment Committee] Assessment Plan/MPR Audit Plan for a research laboratory, Revision 0, dated August 19, 2020
- NSAR-2020-03, NIAC Assessment Report/MPR Audit Report for a research laboratory, Revision 0, dated September 25, 2020
- NSA-LTR-2020-03-002, Summary and Supplier Transmittal Letter for a research laboratory, Revision 0, dated September 25, 2020
- Nuclear Supplier Commercial Grade Survey Report No. CSGR-2021-01, Survey No. NSA-2021-01, Revision 0, dated April 16, 2021
- QA-7.6-1, Evaluation of NIAC Audit for a calibration laboratory, audit dated January 18-21, 2021
- QA-7.6.2, Interim Review of Approved Supplier for a research laboratory, dated April 27, 2020
- QA-7.6.2, Interim Review of Approved Supplier for a software supplier, dated June 1, 2020
- QUAL-EXT-20-01, Supplier Qualification Extension for a research laboratory, Revision 0, dated April 30, 2020
- QUAL-EXT-21-01, Supplier Qualification Extension for a software supplier, Revision 0, dated April 30, 2021
- QUAL-EXT-21-01, Supplier Qualification Extension for a software supplier, Revision 1, dated July 13, 2021
- QUAL-EXT-20-03, Supplier Qualification Extension for a software supplier, Revision 0, dated June 22, 2022

#### Internal Audits

- Nuclear Internal Audit Plans (NIAP)-22-001, NIAP-22-002, NIAP-22-003, NIAP-22-004, NIAP-22-005, NIAP-22-006, NIAP-22-007, NIAP-22-008, NIAP-22-009, NIAP-22-010, NIAP-22-011, NIAP-22-012
- Nuclear Internal Audit Reports (NIAR)-22-001, NIAR-22-002, NIAR-22-003, NIAR-22-004, NIAR-22-005, NIAR-22-006, NIAR-22-007, NIAR-22-008, NIAR-22-009, NIAR-22-010, NIAR-22-011, NIAR-22-012

- Internal Audit Change Requests (IACR)-N22-06-01, IACR-N22-06-02, IACR-N22-07-01, IACR-N22-07-02, IACR-N22-10-01, IACR-N22-11-01

#### Nonconformance Reports

- 20-030, 20-067, 20-068, 21-002, 21-004, 21-007, 21-016, 21-017, 21-018, 21-023, 22-005, 22-011, 22-012, 22-014, 22-017, 22-029, 22-030, and 22-039

#### Condition Reports

- 19-103, 20-044, 20-080, 20-081, 21-001, 21-002, 21-025, 21-026, 21-025, 21-045, 21-058, 21-061, 22-014, 22-029, 22-039, 22-040, 22-044, 22-045, and 23-002

#### Supplier Corrective Action Request

- 2019-03 and 2021-01

#### Condition Reports Opened During the Nuclear Regulatory Commission Inspection

- 23-012

#### 10 CFR Part 21 Screening and Evaluation Reports

- SCRN-2023-03, "Part 21 Screening Report - (CR-23-005)," Revision 0, dated February 3, 2023
- SCRN-2023-01, "Part 21 Screening Report - (CR-23-002)," Revision 0, dated March 1, 2023
- SCRN-2020-16, "Part 21 Screening Report - (CR-20-082)," Revision 0, dated January 11, 2021
- EVAL-21-2020-06 / SCRN-2020-11, "Part 21 Screening Report for CR-20-069," dated November 13, 2020
- EVAL-21-2020-09 / SCRN-2020-15, "Part 21 Screening Report - (CR-20-081)," Revision 0, dated January 11, 2021
- EVAL-21-2022-03 / SCRN-2022-05, "Part 21 Screening Report - (CR-22-045)," Revision 0, dated October 20, 2022
- EVAL-21-2023-01 / SCRN-2023-02, "Part 21 Screening Report - (CR-23-004)," Revision 0, dated February 3, 2023
- EVAL-21-2020-08 / SCRN-2020-14, "Part 21 Screening Report - (CR-20-080)," Revision 0, dated January 11, 2021
- EVAL-21-2022-02 / 2270-0108-LTR-001, "RA-70 Failure Analysis," Revision 0, dated October 27, 2022

- EVAL-21-2020-01/0310-0039-MEMO-001, “Root Cause and Extent of Condition Evaluation, K1 Contactor Failure (CR-20-008),” Revision 0, dated March 13, 2020
- EVAL-21-2022-02/2270-0108-LTR-001, “RA-70 Failure Analysis,” Revision 0, dated October 27, 2022
- EVAL-21-2021-04/0001-0001-MEMO-022, “CR-21-082, Action Item #1597, Assess Condition of K1X EDG Excitation System,” Revision 0, dated February 10, 2022
- 0315-0080-MEMO-003, “CR-19-103, 10 CFR Part 21 Evaluation, Improperly Dedicated Parts Provided in Replacement Excitation System,” Revision 0, dated November 11, 2019

#### Training and Qualification Records

- E-mail dated November 15, 2022, from T. Shaw to G. Church, “RE: EPRI MOV PPM Training Course”
- E-mail dated May 18, 2012, from T. King to L. Eaton, “Acknowledgement and Understanding of MPR Nuclear Quality Assurance Program Changes”
- EPRI MOV PPM Code Refresher Training, April 27, 2021
- Training and Qualification Records for:
  - Frank Del Campo
  - Robert M. Carritte
  - Collin Clark
  - David Cowles
  - Erin M. Dubas
  - Michael Dunkelberger
  - Lakeisha Eaton
  - Thomas King
  - Matthew V. Minkoff
  - Emily P. Muller
  - Mojtaba Oghaei
  - Alexander B. Penney
  - Brendan Powell
  - Michael Spahn
  - Timothy H. Shaw
  - Kumar Swagat
  - Christopher Terella