



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

September 9, 2024

David P. Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear /office (CNO)
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: CLINTON POWER STATION – COMMERCIAL GRADE DEDICATION
INSPECTION REPORT 05000461/2024011

Dear David P. Rhoades:

On August 30, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Clinton Power Station and discussed the results of this inspection with Andrew Krakowski, Plant Manager and other members of your staff. The results of this inspection are documented in the enclosed report.

One finding of very low safety significance (Green) is documented in this report. This finding involved a violation of NRC requirements. We are treating this violation as a non-cited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy.

If you contest the violation or the significance or severity of the violation documented in this inspection report, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region III; the Director, Office of Enforcement; and the NRC Resident Inspector at Clinton Power Station.

If you disagree with a cross-cutting aspect assignment in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001; with copies to the Regional Administrator, Region III; and the NRC Resident Inspector at Clinton Power Station.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in cursive script, appearing to read "Karla K. Stoedter".

Signed by Stoedter, Karla
on 09/09/24

Karla K. Stoedter, Chief
Engineering Branch 1
Division of Operating Reactor Safety

Docket No. 05000461
License No. NPF-62

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Karla Stoedter dated September 09, 2024.

SUBJECT: CLINTON POWER STATION – COMMERCIAL GRADE DEDICATION
INSPECTION REPORT 05000461/2024011

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000461

License Number: NPF-62

Report Number: 05000461/2024011

Enterprise Identifier: I-2024-011-0031

Licensee: Constellation Nuclear

Facility: Clinton Power Station

Location: Clinton, IL

Inspection Dates: May 20, 2024 to August 30, 2024

Inspectors: M. Gangewere, Reactor Inspector
B. Jose, Senior Reactor Inspector
A. Valiaveedu, Reactor Inspector

Approved By: Karla K. Stodter, Chief
Engineering Branch 1
Division of Operating Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a commercial grade dedication inspection at Clinton Power Station, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

Failure to Establish Procedure Controls to Perform Commercial Grade Dedication Activities of Components Installed on Safety Related Equipment			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000461/2024011-01 Open/Closed	[H.9] - Training	71111.21N.03
The inspectors identified a finding of very low safety significance (Green) and an associated non-cited violation (NCV) of Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) Part 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," for the licensee's failure to ensure activities affecting quality were prescribed by documented instructions and procedures appropriate to the circumstance. Specifically, the licensee failed to ensure the instructions prescribed in Procedure SM-AA-102, Attachment 4, Exhibit 1, "Quality Receipt Inspection Package," appropriately verified the critical characteristics of commercially purchased items while dedicating the items for installation in safety related applications. This led to commercial items being installed on safety related equipment prior to completing required dedication activities.			

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.21N.03 - Commercial Grade Dedication

The inspectors reviewed the implementation of the licensee's process for dedicating commercial-grade items (CGI) as basic components and for procuring safety-related components for the following samples:

Commercial Grade Dedication (15 Samples)

- (1) Catalog Id: 5704; Circuit Board, 125 Vdc Battery Charger
- (2) Catalog Id: 6447; Cap for 1/2" Stainless Steel Tube
- (3) Catalog Id: 9110; Rebuild/Repair Kit for Norogren In-Line Lubricator Used in Emergency Diesel Generators (EDGs)
- (4) Catalog Id: 9703; 5/8" Copper Tube Adapter Used in Various Chillers
- (5) Catalog Id: 10146; 480 V Molded Case Circuit Breaker
- (6) Catalog Id: 27021; 120/24 Vac Step Down Control Power Transformer
- (7) Catalog Id: 43003, Masonry Mortar for Wall Repairs
- (8) Catalog Id: 247670; Stainless Steel Filter Housing for Refrigeration Unit
- (9) Catalog Id: 48156; 3" Flexible Wedge Valve Disk with Stellite
- (10) Catalog Id: 34975; EDG Crank Case Pressure Switch
- (11) 48160; Ethylene Propylene 0.925" Internal Diameter and 0.116" Width O-Ring Used in Various Applications
- (12) Catalog Id: 1100595; 4500 Micro Farad Aluminum Can Electrolytic Capacitor Used in 125 Vdc Battery Chargers
- (13) Catalog Id: 829; Valve Stem Assembly for Air Start Valve on EDGs
- (14) Catalog Id: 3659; Lower Ball Bearing for Connecting Rod on EDGs
- (15) Catalog Id: 1066; 125 Vdc General Electric Auxiliary Relay Used in Various Protective Relaying Schemes

INSPECTION RESULTS

Failure to Establish Procedure Controls to Perform Commercial Grade Dedication Activities of Components Installed on Safety Related Equipment			
Cornerstone	Significance	Cross-Cutting Aspect	Report Section
Mitigating Systems	Green NCV 05000461/2024011-01 Open/Closed	[H.9] - Training	71111.21N.03

The inspectors identified a finding of very low safety significance (Green) and an associated non-cited violation (NCV) of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," for the licensee's failure to ensure activities affecting quality were prescribed by documented instructions and procedures appropriate to the circumstance. Specifically, the licensee failed to ensure the instructions prescribed in Procedure SM-AA-102, Attachment 4, Exhibit 1, "Quality Receipt Inspection Package," appropriately verified the critical characteristics of commercially purchased items while dedicating the items for installation in safety related applications. This led to commercial items being installed on safety related equipment prior to completing required dedication activities.

Description:

The inspectors reviewed commercial grade dedication (CGD) documentation of a copper tube adapter, catalog ID (CID) 9703-2, which was installed on the safety related control room HVAC Chiller B, 0VC13CB, under work order (WO) 7077714-01. The inspectors reviewed associated procurement evaluation 70559 which identified the following critical characteristics that were required to be verified using a reduced sampling scheme as part of the quality receipt inspection/commercial grade dedication process. The verification of critical characteristics provides reasonable assurance the commercial item will perform its intended safety function:

- Provide visual assurance that the fitting matches the requirements set forth in American Society of Mechanical Engineers Code B16.22-2001.
- Verification the item is copper (minimum 84 percent copper and maximum 16 percent zinc) which provides assurance the item is fabricated from a material that supports an effective brazing or solder joint and will maintain the pressure boundary function.
- Measuring the tubing connection dimensions which provides assurance the fitting fits the application and maintains its pressure boundary function.

The inspectors reviewed purchase order 00805131 and quality receipt inspection (RIN) package 00196404 and were unable to conclude the critical characteristics were verified to ensure the commercial grade tube adapters would perform their intended safety function. The licensee initiated a corrective action document, Action Request (AR) 04776142, and concluded the required testing was not performed at the time of the quality receipt inspection. Dedication testing of the remaining stock that had not been installed was performed at PowerLabs satisfactorily.

The licensee determined the Quality Control (QC) level II receipt inspector who completed the receipt inspection was a contractor filling in at the time. The licensee performed an extent of condition review and identified 39 CID's had been installed in 55 unique equipment identification numbers in the plant without the associated verification of critical characteristics being performed. A total of 27 ARs were initiated for all affected CID's that were installed in the plant. Operations performed an operability or functionality review for all 55 unique equipment identification numbers and determined there were no impacts to plant equipment. The site also identified two additional QC level II receipt inspectors, who were also contractors, had not performed the required critical characteristic verification as part of the quality receipt inspection process.

Step 1.3.1 of Procedure SM-AA-102, Attachment 4, "Receipt of Items," directed personnel to complete all necessary quality receipt inspection reports including, "VERIFYING Commercial Grade Item dedication activities in accordance with the dedication verification plan," by using

Exhibit 1, "Quality Receipt Inspection Package." The inspectors reviewed SM-AA-102, Attachment 4, Exhibit 1 and found it failed to include instructions or steps to verify CGD activities, including the verification of critical characteristics, in accordance with the dedication verification plan. The licensee's corrective action program evaluation (CAPE) performed under AR 4778626 also found CGD activities were not listed as a specific item on Exhibit 1. The licensee planned to revise Exhibit 1 to ensure a completed copy of the dedication plan and the requirement to verify critical characteristics of commercially dedicated items was included in the receipt package.

Additionally, the inspectors reviewed training documents and certification records of the QC level II receipt inspectors who had failed to properly dedicate the commercially purchased items. Specifically, the inspectors reviewed training module SM-G-03, "Receipt Inspector Training Program," and found it did not include an objective specific to CGD activities. In conjunction with this lesson plan, the inspectors also found Step 4.2.5.3 of Procedure SM-AA-101, "Certification of Receipt Inspectors," Revision 12 required on-the-job training for a receipt inspector to become 100 percent proficient in receipt inspection tasks. Upon review of the three contracted personnel's completed certification recorded on SM-AA-101, Attachment 5, "On-the-Job Training for Receipt Inspectors," the inspectors noted the recorded CGD on-the-job hours ranged from one to two hours. Additionally, the receipt inspection documentation credited for these hours included safety-related equipment procurements rather than commercially dedicated items. The lack of documented CGD training, in addition to the lack of CGD instructions on SM-AA-102, Attachment 4, Exhibit 1, led the inspectors to conclude procedural controls for consistently performing quality receipt inspections of CGD components were not appropriate to the circumstance.

Corrective Actions: The licensee entered this issue into their corrective action program and performed an extent of condition review of all CGDs performed by contracted QC support personnel from August 2020 through June 2022. Corrective action documents were generated for all items that had receipt inspection deficiencies. Operations performed operability or functionality reviews as appropriate. Additionally, catalog IDs which had not been properly dedicated for use were placed on hold to prevent their issuance pending the verification of critical characteristics. The licensee also planned to revise SM-AA-102, Attachment 4, Exhibit 1, Part III to add a step for CGD activities.

Corrective Action References: ARs 4776142, 4777518, 4777520, 4777523, 4777528, 4777535, 4777537, 4777539, 4777542, 4777546, 4777549, 4777552, 4777553, 4777554, 4777556, 4777557, 4777560, 4777826, 4777833, 4777836, 4777838, 4777839, 4777840, 4777842, 4777845, 4777858, 4778588, 4778590, 4778593, and 4778626.

Performance Assessment:

Performance Deficiency: The licensee's failure to prescribe documented instructions and procedures of a type appropriate to the circumstances for performing the CGD of commercially purchased items prior to their installation in safety-related applications, an activity affecting quality, was contrary to 10 CFR 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," and was a performance deficiency.

Screening: The inspectors determined the performance deficiency was more than minor because if left uncorrected, it would have the potential to lead to a more significant safety concern. Specifically, the failure to ensure procedural controls for performing CGDs were appropriate to the circumstance would allow commercially purchased items to continue being

installed in safety related equipment without ensuring the item could perform its safety functions.

Significance: The inspectors assessed the significance of the finding using IMC 0609 Appendix A, "The Significance Determination Process (SDP) for Findings At-Power." Specifically, the inspectors determined the finding was of very low safety significance (Green) because the operability or functionality of the commercially purchased items and the equipment each item was installed in was maintained.

Cross-Cutting Aspect: H.9 - Training: The organization provides training and ensures knowledge transfer to maintain a knowledgeable, technically competent workforce and instill nuclear safety values. Specifically, the licensee's current training program did not ensure commercial grade dedications were consistently completed, the certification of quality control level II receipt inspectors was adequate, the warehouse supervisor responsible for oversight of the contractor work was knowledgeable of CGD requirements.

Enforcement:

Violation: Title 10 CFR Part 50, Appendix B, Criterion V, "Instructions, Procedures, and Drawings," requires, in part, that activities affecting quality shall be prescribed by documented instructions, procedures, or drawings, of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures or drawings.

The licensee established Procedure, SM-AA-102, Attachment 4, Exhibit 1, "Quality Receipt Inspection Package," as the implementing procedure which provided instructions for completing CGD activities, including the verification of critical characteristics, of commercially purchased items intended for use in safety related applications, an activity affecting quality.

Contrary to the above, as of August 30, 2024, the licensee failed to ensure activities affecting quality were prescribed by documented instructions, procedures, or drawings appropriate to the circumstance. Specifically, SM-AA-102, Attachment 4, Exhibit 1 failed to include instructions to ensure the critical characteristics of commercially purchased items were verified as part of the CGD process.

Enforcement Action: This violation is being treated as a non-cited violation, consistent with Section 2.3.2 of the Enforcement Policy.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On August 30, 2024, the inspectors presented the commercial grade dedication inspection results to Andrew Krakowski, Plant Manager and other members of the licensee staff.
- On June 7, 2024, the inspectors presented the commercial grade dedication interim inspection results to Norha Plumey, Site Vice President and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or	Revision or Date
71111.21N.03	Corrective Action Documents	04287793	NOS ID Gap ID'd in Wall in the Aux Electrical Equipment Room	10/14/2019
		04290966	NOS ID: NOS Finding for Fire Protection for Fire Zone CB-3	10/24/2019
	Corrective Action Documents Resulting from Inspection	04775893	Quality Material Staging Verification	05/22/2024
		04776142	NRC Id'd - Commercial Grade Dedication Issue for Fitting	05/23/2024
		04777518	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777520	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777523	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777528	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777535	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/20/2024
		04777537	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777539	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777542	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777546	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777549	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777552	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777553	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777554	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024

Inspection Procedure	Type	Designation	Description or	Revision or Date
		04777556	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777557	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777560	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/30/2024
		04777826	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777833	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777836	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777838	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777839	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777840	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777842	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777845	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04777858	NRC Id'd-Commercial Grade Dedication Extent of Condition	05/31/2024
		04778377	NRC ID'd Parts Staged Without Expected Return Date on Sign	06/03/2024
		04778588	NRC Id'd- Commercial Grade Dedication Extent of Condition	06/04/2024
		04778590	NRC Id'd-Commercial Grade Dedication Extent of Condition	06/04/2024
		04778593	NRC Id'd-Commercial Grade Dedication Extent of Condition	06/04/2024
		04778626	Trend IR: Commercial Grade Dedication Extent of Condition	06/04/2024

Inspection Procedure	Type	Designation	Description or	Revision or Date
		04778654	NRC Id'd - Dynamic Screening Form not Included per Procedure	06/04/2024
		04778668	NRCID: Incorrect Cal. Tolerance in PMRQ 00150336-01 Scope	06/04/2024
		04778753	NRC ID'd-Storage of Q-3 Parts in Refrigerator	06/05/2024
		04779047	NRC ID'd-Concern with Disc Valves in Inventory	06/06/2024
		04787535	CAPE 4778626 Extent of Condition	07/16/2024
	Engineering Changes	ECR 444029	Repair Plan for Gaps and Voids in Framed Opening 1-81 Ref IR 4287793	05/13/2020
	Engineering Evaluations	CGICF01	EPRI CGI Joint Utility Task Group Commercial Grade Item Evaluation for Compression Fittings	0
		M-1995-610-0	SI 783E73, Carrier Filter Housing	10/09/1995
		M-1998-0228-001	Evaluation for Fittings for Chiller	02/24/1998
		M-91-003-0161-02	Evaluation Topic Relationship Report: Assembly of Masonry Units	06/23/1997
		NSED Review 34515	EMD Stem Assembly for Air Start Valves Technical/Quality Requirements	03/01/1986
		PE 00005575	Procurement Evaluation for Mortar, Masonry, Construction Grade, Per ASTM C-270 Type M - Cat ID 43003-2	04/04/2000
		PE 00037525	Procurement Evaluation for Adapter, Tube, 5/8 in. Nominal Solder Joint x 3/4 in. Male NPT, Copper - Cat ID 9703-2	01/27/2005
		PE 00038662	Procurement Evaluation Connectng Rod Lower Bearing	03/25/2005
		PE 00046146	Procurement Evaluation for High Crankcase Pressure Switch - Cat ID 0001106887-1	09/13/2005
		PE 00046370	Procurement Evaluation for High Crankcase Pressure Switch - Cat ID 0001106887-1	09/21/2005
		PE 00054471	Procurement Evaluation for Fuel, Diesel, No. 2-D, S15, Per ASTM D (75-06B, Ultra Low Sulfur Diesel Fuel	01/15/2007
		PE 00067004	Procurement Evaluation for Tee, Tubing, Union, 1/4" Tube x 1/4" Tube x 1/4" Tube, Brass, ASTM B283	10/15/2009
		PE 00070559	Procurement Evaluation for Adapter, Tube, 5/8 in., Nominal Solder Joint x 3/4 in. Male NPT, Copper - Cat ID	11/09/2010

Inspection Procedure	Type	Designation	Description or	Revision or Date
			9703-2	
		PE 00073670	Procurement Evaluation Tubing Cap	10/05/2011
		PE 00081314	Procurement Evaluation for Housing, Filter, Model CT 102, Brass Head/SS Sump, for Refrigeration Unit	08/06/2013
		PE 00081367	Procurement Evaluation for Housing, Filter, Model CT 102, Brass Head/SS Sump, for Refrigeration Unit - Cat ID 247670-2	08/15/2013
		PE 00081909	Procurement Evaluation for Housing, Filter, Model CT102, SS Head/SS Sump, for Refrigeration Unit - Cat ID 0000247670-2	04/07/2014
		PE 00090924	Procurement Evaluation for Bearing, Ball, Single Row Deep Groove, 110 MM	10/14/2015
		PE 00094277	Procurement Evaluation for Pressure Gauge, 0-100 PSIG	08/02/2016
		PE 00102304	Procurement Evaluation for Tube Assembly, Electrical, GM Tube, 1.23 x 0.370", 500 - 600 Operating Voltage	03/08/2017
		PE 00230680	Procurement Evaluation for Terminal, Lug, PIDG Ring, #10 Stud, 10-10 AWG, Copper Body/Tin-Lead Plating	02/22/2019
		PE 00239208	Procurement Evaluation: Disc Valves	09/22/2019
		PE 00242473	Procurement Evaluation for Mortar, Masonry, Construction Grade, Per ASTM C-270 Type M - Cat ID 43003-2	12/12/2019
		PE 00264775	Procurement Evaluation: O-Ring	03/06/2023
		PE 00277177	Procurement Evaluation for Lubricant, Oil, Mobil DTE Extra Heavy, 55 Gal Barrel	01/10/2023
		PE 00287176	Procurement Evaluation for Rebuild/Repair Kit, Mechanical Seal, for Reactor Recirc Pump B Can-8 Seal	10/31/2023
		PE 210371	Procurement Evaluation for Catalog Id: 5704, Circuit Board for 125 Vdc Battery Charger	12/05/2017
		PE 211658	Procurement Evaluation for Catalog Id: 10146, 480 V Molded Case Circuit Breaker	01/18/2018
		PE 23516	Procurement Evaluation for Catalog Id: 1066, 125 Vdc HMA Relay	05/16/2003
		PE 47981	Procurement Evaluation for Catalog Id: 1100595, Electrolytic Capacitor	01/09/2006
		PE 78447	Procurement Evaluation for Catalog Id: 27021, 120/24 V	11/20/2012

Inspection Procedure	Type	Designation	Description or	Revision or Date
			Control Power Transformer	
		PE CE-89-1361	Procurement Evaluation for Pressure Switch for Emergency Diesel Generator Model 645	10/18/1989
		PE M-94-0749-00	Procurement Evaluation for Pressure Switch (Detector Assembly)	09/27/1994
		PES-S-006	Code Reconciliation	6
		SQ-CLD83	Dynamic Qualification of General Motors, Electromotive Division (EMD) Crankcase Pressure Switches	06/10/1986
		VC22-002	AMEREN-UE NUPIC JOINT UTILITIES SURVEY (VC22-002) OF PARKER HANNIFIN CORPORATION	08/18/2022
	Miscellaneous	076797	Certificate of Qualification for Receipt Inspector	09/16/2021
		1374977	Purchase Order for Catalog Id: 5704, Circuit Board for 125 Vdc Battery Charger	06/09/2022
		1378242	Purchase Order for Catalog Id: 1100595, Electrolytic Capacitor	06/09/2022
		302 (K2801-0076-C)	Vendor Technical Information: Replacement Parts Catalog Diesel Engines Model 645	
		981574	Certificate of Qualification for Receipt Inspector	08/19/2020
		995475	Certificate of Qualification for Receipt Inspector	07/23/2024
		ASME B16.22-2001 Mandatory Appendix II	Table II3 Dimensions of Solder-Joint Ends, in.	12/28/2004
		Commercial Grade Dedication Requirements for Cat ID 6447-2	PE Eval Q141 Panel for Cat ID 6447-2	0
		CPS-29270	Exelon Power Labs Test Report on Catalog Id: 10146, 480 Vac Molded Case Circuit Breaker	11/12/2018
		CPS-40358	CGD Testing of: Adapter, Tube, 5/8in. Nominal Solder Joint x 3/4	05/29/2024
		CPS-41244	CGD Testing of: Terminal, Lug, PIDG Ring, #10 Stud, 12-10 AWG, COP	05/31/2024
		CPS-41308	CGD Testing of: Tube Assembly, Electrical, GM Tube, 1.23 x 0.370"	05/31/2024

Inspection Procedure	Type	Designation	Description or	Revision or Date
		CPS-41410	CGD Testing of: Bearing, Ball, Single Row Deep Groove, 110 MM	06/04/2024
		CPS-87576	Exelon Power Labs Test Report on Catalog Id: 1066, 125 Vdc HMA Relay	08/16/2019
		NO-AA-10	Standard Quality Assurance Topical Report	98
		OSD&D 0070459	Housing, Filter, Model CT102, Brass Head/SS Sump, for Refrigeration Unit	08/27/2013
		OSD&D 0111267	Housing, Filter, Model CT102, SS Head/SS Sump, for Refrigeration Unit	10/23/2019
		PBI-2019-10-002	PBI Permit - Firewall - Potential Degradation of Fire Barrier from South Side of Wall	12/19/2019
		PO 00000703	Purchase Order Lower Bearing	2
		PO 00000703	Purchase Order for Stem Assembly for Air Start Valve Emergency Diesel Engine	08/19/2022
		PO 00084680	Purchase Order Tubing Cap	07/02/2019
		PO 00663360	Purchase Order for Housing Filter, Model CT102, SS Head / SS Sump, for Refrigeration Unit - Cat ID 247670-2	10/15/2018
		PO 00666452	Purchase Order: Rebuild/Repair Kit	2
		PO 00679333	Purchase Order for Rebuild/Repair Kit, Mechanical Seal, for Reactor Recirc Pump A, Can-8 Seal	06/26/2020
		PO 00703686	Purchase Order: Disc Valves	1
		PO 00709798	Purchase Order for Mortar, Masonry, Construction Grade, Per ASTM C-270 Type Me - Cat ID 43003-2	11/22/2019
		PO 00795368	Tube Assembly, Electrical, GM Tube, 1.23 x 0.370", 500-600 operating	08/21/2020
		PO 00796899	Terminal, Lug, PIDG Ring, #10 Stud, 12-10 AWG, Copper Body/Tin-Lead Plating	09/28/2020
		PO 00803469	Bearing, Ball, Single Row Deep Grove, 110 MM	10/14/2020
		PO 00805131	Purchase Order for Adapter, Tube, 5/8 in. Nominal Solder Joint x 3/4 in. Male NPT, Copper, Solder - Cat ID 9703-2	12/20/2020
		PO 00816482	Gauge, Pressure, 0-100 PSIG, 2-1/2 IN, 1/4 MNPT IN, Bottom, Copper Alloy Bourdon Tube	03/15/2021
		PO 01331232	Tee, Tubing, Union, 1/4" Tube x 1/4" Tube x 1/4" Tube, Brass, ASTM B 283	08/18/2021

Inspection Procedure	Type	Designation	Description or	Revision or Date
		PO 01387494	Purchase Order: O-Rings	2
		PO 01419036	Purchase Order for Emergency Diesel Crankcase Pressure Switch	03/07/2024
		PO 01454340	Rebuild/Repair Kit, Mechanical Seal, for Reactor Recirc Pump B Can-8 Seal	03/29/2024
		PO 462111	Purchase Order for Catalog Id: 10146, 480 Vac Molded Case Circuit Breaker	12/20/2018
		PO 522332	Purchase Order for Catalog Id: 1066, 125 Vdc HMA Relay	07/23/2019
		PO 797100	Purchase Order for Catalog Id: 27021, 120/24 V Control Power Transformer	10/22/2020
		Receipt Inspection 00196404	Receipt Inspection for Adapter, Tube, 5/8 in., Nominal Solder Joint x 3/4 in. Male NPT, Copper - Cat ID 9703-2	11/04/2020
		Receipt Inspection 183375	Receipt Inspection Report for Catalog Id: 10146, 480 Vac Molded Case Circuit Breaker	05/12/2018
		Receipt Inspection 185803	Housing Filter Model CT 102 SS Head/SS Pump F - Cat ID 247670-2	10/31/2018
		Receipt Inspection 189627	Receipt Inspection Report for Catalog Id: 1066, 125 Vdc HMA Relay	07/23/2019
		Receipt Inspection 192735	Mortar Masonry Construction Grade per ASTM C-270 - Cat ID 43003-2	11/20/2019
		Receipt Inspection 196262	Receipt Inspection Report for Catalog Id: 27021, 120/24 V Control Power Transformer	10/25/2020
		Receipt Inspection 203721	Assembly Stem for Air Start Valve for Emergency - Cat ID 829-1	05/04/2022
		Receipt Inspection 211456	Receipt Inspection Report for Catalog Id: 1100595, Electrolytic Capacitor	01/27/2024

Inspection Procedure	Type	Designation	Description or	Revision or Date
		Receipt Inspection 212542	Switch Pressure Detector Assembly Crankcase for Cat ID 34975-1	02/27/2024
		Receipt Inspection 213042	Receipt Inspection Report for Catalog Id: 5704, Circuit Board for 125 Vdc Battery Charger	04/15/2024
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	04/12/2024
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	08/01/2023
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	07/05/2023
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	06/01/2023
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	02/28/2024
		SM-AA-102 Attachment 5	Housekeeping Surveillance and Inspection	05/13/2024
		SM-G-03	Receipt Inspector Training Program	4
		Specification K-2944	Amendment 32 to Specification K-2944 for Concrete and Grout Work - Clinton Power Station - Units 1 and 2	07/10/1986
		VTI 19EA-4ss	Vendor Technical Information for Start-Up, Operation and Maintenance Instructions for Hermetic Centrifugal Liquid Chillers	07/10/2001
	Procedures	8207.02	Emergency Diesel Engine Maintenance	04/23/2013
		CC-AA-320-1002	Dynamic (Seismic) Qualification for Alternate Replacement Items and Commercial Grade Dedication Items	3
		MA-AA-716-001	Quality Material/Components Control and Identification/Segregation of Non-Conforming Items	12
		MA-AA-716-011	Work Execution and Close Out	29
		NEP-11-01	Procurement and Use of Items for Repair and Replacement of Safety Related, Regulatory Related, and Non-Safety Related Equipment	3

Inspection Procedure	Type	Designation	Description or	Revision or Date
		NISP-EN-02	Standard Item Equivalency Process	01
		NO-AA-501	Commercial Grade Surveys	0
		PES-S-002	Shelf Life	10
		PES-S-004	Sampling Plan	3
		PI-AA-125	Corrective Action Program (CAP) Procedure	8
		SM-AA-101	Certification of Receipt Inspectors	12
		SM-AA-102	Warehouse Operations	33
		SM-AA-104	In-Storage Maintenance	15
		SM-AA-300	Procurement Engineering Support Activities	11
		SM-AA-300-1001	Procurement Engineering Process and Responsibilities	25
		SM-AA-3019	Parts Quality Initiative (PDI)	14
		SM-AA-404	Nuclear Material Procurement	32
		SM-AC-4005	Supplier Performance Measurement and Management	20
	Work Orders	01632929-01	Replace High Crankcase Pressure Switch	09/19/2016
		01632930-01	Replace High Crankcase Pressure Switch	09/19/2016
		01665710-01	0VC13CB Replace Motor Cooler Filter Housing	03/13/2014
		01726864-02	1DG01KC Replace Lower Liner Seals and Injectors-18 Year PM	10/31/2022
		04931743	00158411-04, PMSR, 0VC13CB Change Oil/Oil Filters, Refrigerant Strainer	12/07/2020
		04974611-01	NOS ID Gap ID'd in Wall in Aux Electrical Equipment Room	12/18/2019
		05077714	0VC13Cb Very Small Freon Leak	12/03/2020