Enclosure 1

Seismic Walkdown Report In Response To The 50.54(f) Information Request Regarding Fukushima Near-Term Task Force Recommendation 2.3: Seismic for the Limerick Generating Station, Unit 1, Report Number: MPR-3796, Revision 1

(681 pages)

SEISMIC WALKDOWN REPORT

IN RESPONSE TO THE 50.54(f) INFORMATION REQUEST REGARDING FUKUSHIMA NEAR-TERM TASK FORCE RECOMMENDATION 2.3: SEISMIC

for the

LIMERICK GENERATING STATION UNIT 1
3146 Sanatoga Road, Pottstown, PA 19464
Facility Operating License No. NPF-39
NRC Docket No. STN 50-352
Correspondence No.: RS-12-171

Exelon Generation Company, LLC (Exelon)
PO Box 809398
Chicago, IL 60680-5398

Prepared by:
MPR Associates, Inc.
320 King Street, Alexandria, VA 22314

Report Number: MPR-3796, Revision 1

	Printed Name	Signature	Date
Preparer:	Caroline Schlaseman		11/6/2012
Reviewer:	Mojtaba Oghbaei		11/6/2012
Approver:	John Simons		11/6/2012
Peer Review Team Leader:	Patrick Butler		11/6/2012
Lead Responsible Engineer:	Brian Wehrman		11/7/12
Branch Manager:	Greg Wallace		11/7/12
Senior Manager Design Engineering:	Wayne Lewis		11/8/12
Corporate Acceptance:	Jeffrey Clark		11/8/12

MPR ASSOCIATES INC. ENGINEERS

NTTF 2.3 Seismic Walkdown of Limerick Generating Station Unit 1

MPR-3796
Revision 1

November 2012

QUALITY ASSURANCE DOCUMENT
This document has been prepared, reviewed, and approved in accordance with the Quality Assurance requirements of 10CFR50 Appendix B and/or ASME NQA-1, as specified in the MPR Nuclear Quality Assurance Program.

Prepared by: _____
Caroline S. Schlaseman

Reviewed by: _____
Mojtaba Oghbaei

Approved by: _____
John W. Simons

Peer Review
Team Leader: _____
Patrick J. Butler

Principal Contributors

Mojtaba Oghbaei
Craig B. Swanner
James N. Wiggin
Thomas C. King

Prepared for

Exelon Generation Company, LLC Exelon.

320 KING STREET ALEXANDRIA, VA 22314-3230 703-519-0200 FAX: 703-519-0224 http:\\www.mpr.com

RECORD OF REVISIONS

Revision	Affected Pages	Description
0	All	Initial Issue
1	All	Added IR numbers and milestone dates to Table E-2 for three items; updated Executive Summary for this change.

Contents

Contents (cont'd.)

Tables

Executive Summary

PURPOSE

This report documents the seismic walkdowns performed at Limerick Generating Station Unit 1 in response to NRC 50.54(f) letter dated March 12, 2012, Enclosure 3, Recommendation 2.3: Seismic. Exelon committed to perform this work in accordance with the NRC-endorsed Seismic Walkdown Guidance document (Electric Power Research Institute (EPRI) Technical Report 1025286, Reference 1).

SCOPE OF WORK

In addition to defining the qualifications of personnel performing this work, the EPRI Seismic Walkdown Guidance identifies the following key activities:

- Selection of Systems, Structures, and Components (SSC) to be included in the sample scope of the seismic walkdowns. Screening criteria are applied to obtain an informed sample of electrical and mechanical equipment that are required to perform the four reactor safety functions and containment function, and address NRC concerns about Spent Fuel Pool related equipment. (see Section 4 of this report)

- Seismic Walkdowns and Area Walk-Bys are performed by trained, two-person teams of Seismic Walkdown Engineers (SWEs), who document their inspections on structured checklists included in the EPRI Guidance. (see Section 5 of this report)

- Seismic Licensing Basis Evaluations are performed for issues identified as "potentially adverse seismic conditions," and all deficiencies are included in the Corrective Action Program (CAP) so that standard plant processes can be used to address the issue. (see Section 6 of this report)

- IPEEE Vulnerabilities Resolution Report is required for plants who identified seismic vulnerabilities during their IPEEE program and made commitments to resolve them. (See Section 7 of this report)

- Peer Review is required by a team comprised of at least two individuals for each of the key activities of this project. (see Section 8 of this report)

RESULTS

The Seismic Walkdown Equipment List (SWEL) for Limerick Unit 1, including the items selected that are common to both Units 1 and 2, e.g., spray pond equipment, is comprised of 102 items. Of this list, 92 equipment items were walked down during the 180-day window of completion of the initial scope of work required by the 50.54(f) letter. Walkdowns for the remaining 10 items were deferred to the Unit 1 Refueling Outage

(RFO) due to accessibility issues, e.g., location inside primary containment. Additionally, confirmation that equipment anchorage is consistent with plant design documentation is required for 50% of the SWEL items having anchorage (e.g., not line-mounted). A total of 45 anchorage configurations were confirmed to be installed in accordance with the design documentation.

All electrical cabinets on the SWEL require assessment of the need for inspections to address the potential for "other adverse seismic conditions" internal to the cabinet. This assessment is required due to an NRC clarification of their expectations for seismic walkdowns, which was received after the online seismic walkdowns were completed. Tables E-2 (for Unit 1) and E-3 (for common equipment) list all electrical items that require assessment. As shown in Tables E-2 and E-3, three internal inspections of electrical cabinets are required for Limerick Unit 1, which are being tracked in the plant's Corrective Action Program (CAP).

None of the issues identified during the walkdowns of Limerick Unit 1 equipment and nearby areas required formal seismic licensing basis evaluations because none of the issues ultimately were assessed to be adverse seismic conditions. Smaller issues, however, such as a loose retaining bar bolt on gas bottle storage rack, were identified and entered into the plant's CAP. A total of 10 Issue Reports (IRs) were issued, and the status of IR resolutions is provided in Tables 5-2 and 5-3 for issues identified during equipment walkdowns and area walk-bys, respectively.

As described in Section 7 of this report, no IPEEE seismic vulnerabilities were identified for Limerick Unit 1 due to the conservatism of its original design.

CONCLUSIONS

1. As confirmed in the Peer Review Report (see Appendix F), all activities required by the 50.54(f) letter were conducted in accordance with the NRC-endorsed EPRI Seismic Walkdown Guidance, except for the following items:

    - Ten (10) inaccessible equipment items are scheduled to be walked down during the next Unit 1 RFO in 2014.

    - Three (3) electrical cabinets will need to be opened for an internal inspection for "other adverse seismic conditions" in accordance with NRC expectations that were provided to industry after these walkdowns were completed. These inspections are scheduled for the next available electrical outages.

2. None of the 92 equipment items included in the walkdowns have conditions that would prevent them from performing their safety-related functions following a licensing basis seismic event. Additionally, a sample of more than 50% of equipment with anchorage was confirmed to be consistent with design basis documentation.

3. The ten (10) anomalies or discrepant conditions identified during the equipment walkdowns or area walk-bys have been assessed in accordance with the plant corrective action program (CAP), and their resolutions are being tracked for timely closure.

1 Introduction

1.1 BACKGROUND

In response to Near-Term Task Force (NTTF) Recommendation 2.3, the Nuclear Regulatory Commission (NRC) issued a 10CFR50.54(f) letter on March 12, 2012 requesting that all licensees perform seismic walkdowns to identify and address plant degraded, non-conforming, or unanalyzed conditions, with respect to the current seismic licensing basis. The Nuclear Energy Institute (NEI), through the Electric Power Research Institute (EPRI), prepared industry guidance to assist licensees in responding to this NRC request. The industry guidance document EPRI Technical Report 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic*, dated June 2012 (Reference 1), was endorsed by the NRC on May 31, 2012.

This report documents the technical basis for Exelon's response to the 10CFR50.54(f) request to conduct seismic walkdowns at Limerick Generating Station Unit 1.

1.2 PLANT OVERVIEW

The Limerick Generating Station (LGS) consists of two boiling water reactor (BWR) generating units, located in southeastern Pennsylvania. Both units have GE Mark II containments, are rated at 3515 MWt power, and were designed and constructed by Bechtel (LGS Updated Final Safety Analysis Report (UFSAR) (Reference 2), Section 1.1). Limerick Unit 1 received its full-power license in October 1984 (Facility Operating License No. NPF-39 (Reference 16)).

1.3 APPROACH

The EPRI Seismic Walkdown Guidance (Reference 1) is used for the Limerick Generating Station Unit 1 engineering walkdowns and evaluations described in this report. In accordance with Reference 1, the following topics are addressed in the subsequent sections of this report:

- Seismic Licensing Basis
- Personnel Qualifications
- Selection of SSCs
- Seismic Walkdowns and Area Walk-Bys
- Licensing Basis Evaluations
- IPEEE Vulnerabilities Resolution Report
- Peer Review

2

Seismic Licensing Basis

2.1 SAFE SHUTDOWN EARTHQUAKE (SSE)

The LGS site design response spectra for the SSE are normalized to a maximum horizontal ground acceleration of 15% of gravity. The values for the vertical component of the design response spectra are 2/3 of the horizontal design response spectra. The response spectra are based on data developed from records of previous earthquake activity and represent an envelope of motion expected at a sound rock site from a nearby earthquake (Reference 2, Section 3.7.1.1).

2.2 DESIGN OF SEISMIC CATEGORY I SSCS

Generic Letter 87-02 issued on February 19, 1987 and Supplement No. 1 issued May 22, 1992, do not list Limerick Unit 1 as an USI A-46 Plant because seismic qualification was addressed during initial operating licensing review (Reference 2, Section 1.12.3).

Seismic Category I mechanical and electrical equipment were originally qualified according to the criteria in IEEE 344-1971, but the qualification methods and procedures for qualification were re-assessed to Standard Review Plan (SRP) 3.10 Seismic Qualification Review Team (SQRT) requirements including IEEE 344-1975, and Reg. Guides 1.100 and 1.92. The SQRT reassessment concluded that the seismic and dynamic qualification program meets the intent of IEEE 344-1975 and Reg. Guides 1.100 and 1.92 (Reference 2, Sections 3.9.2.2 and 3.10.2.1).

3
Personnel Qualifications

Table 3-1 below summarizes the names and corresponding roles of personnel who participated in the NTTF 2.3 Seismic Walkdown effort.

Table 3-1. Personnel Roles

Name	Equipment Selection Engineer	Plant Operations	Seismic Walkdown Engineer (SWE)	Licensing Basis Reviewer	IPEEE Reviewer	Peer Reviewer
T. King	X		X	X	X	
C. Swanner			X	X		X(note 1)
M. Oghbaei			X	X		
J. Wiggin			X	X		
C. Schlaseman			X(note 2)			X
P. Butler						X(note 3)
B. Shultz (Exelon)		X				

Notes:
1. Peer Review Team member for SWEL review.
2. SWE team member for three seismic walkdowns and three area walk-bys; therefore did not act as Peer Reviewer of this portion of the walkdowns.
3. Peer Review Team Leader.

A description of the responsibilities of each Seismic Walkdown participant's role(s) is provided in Section 2 of the EPRI Seismic Walkdown Guidance (Reference 1). Resumes provided in Appendix A provide detail on each person's qualifications for his or her role.

The SWEL preparer, Thomas King does not have prior experience with the IPEEE program, which was performed during the 1990s. The Peer Reviewers, however, do have experience with IPEEE. For SWEL preparation, Mr. King was provided with the plant's IPEEE submittal report and NRC requests for additional information (RAI) responses, as well as the NRC Safety Evaluation (SE) on the IPEEE program. Mr. King's review of these documents, combined with the reviews by the Peer Reviewers, was sufficient to meet the intent of the guidance in Reference 1 that Equipment Selection Personnel "should also have knowledge of the IPEEE program."

In addition to the MPR personnel listed above, Exelon Plant Operations, Brandon Shultz, reviewed the SWEL. Mr. Shultz is currently a licensed Senior Reactor Operator (SRO) at Limerick Station. Station personnel also provided support to the SWEL preparer in identifying major equipment or system modifications, equipment and systems located in different environments, and equipment and systems that would be accessible for inspection during the plant walkdowns, in accordance with Reference 1.

4

Selection of SSCs

4.1 SWEL Development Overview

The EPRI Seismic Walkdown Guidance (Reference 1) defines the process used to develop the Seismic Walkdown Equipment List (SWEL) for Limerick Generating Station Unit 1.

In accordance with Reference 1, a SWEL is comprised of two groups of items:

1. SWEL 1 is a sample of items needed to safely shut down the reactor and maintain containment integrity

2. SWEL 2 is a list of spent fuel pool related items

4.2 SWEL 1 – Sample of Required Items for the Five Safety Functions

The Limerick Unit 1 Seismic Individual Plant Examination for External Events (IPEEE) Success Path Component Lists (SPCL) (Reference 3) is considered the "Base List" and is provided in Appendix B of this report. To ensure the SPCL Base List meets the EPRI Seismic Walkdown Guidance, the SPCL was compared with the screens described in the following sections.

4.2.1 Screen #1 – Seismic Category I

As described in Reference 1, only items that have a defined seismic licensing basis are to be included in SWEL 1. The seismic classification was identified for each item on the IPEEE SPCL, and items that were not Seismic Category I were removed from consideration for inclusion in SWEL 1. Seismic classification was determined through a review of current design and licensing basis documentation.

4.2.2 Screen #2 – Equipment or Systems

This screen narrowed the scope of items to include only those that do not regularly undergo inspections to confirm that their configuration is consistent with the plant licensing basis. This screen removed Seismic Category I Structures, Containment Penetrations, Seismic Category I Piping Systems, cable/conduit raceways and HVAC ductwork from consideration for inclusion in SWEL 1.

4.2.3 *Screen #3 – Support for the 5 Safety Functions*

This screen narrowed the scope of items included on the SWEL 1 to only those associated with maintaining the following five safety functions:

1. Reactor Reactivity Control
2. Reactor Coolant Pressure Control
3. Reactor Coolant Inventory Control
4. Decay Heat Removal
5. Containment Function

The first four functions are associated with bringing the reactor to a safe shutdown condition. The fifth function is associated with maintaining containment integrity.

As described in Reference 3, the safety function for each item on the SPCL was identified. Items on SWEL 1 which perform a specific safety function(s) are considered frontline systems. Items with a safety function described in the SPCL as 'Auxiliary & Support,' 'Electrical Systems,' or 'Racks & Panels' are considered either a frontline or support system.

4.2.4 *Screen #4 – Sample Considerations*

The items selected from the Base List SPCL for inclusion in SWEL 1 are shown in Tables B-1 through B-3 of this report. As described in Reference 1, Screen #4 is intended to result in a SWEL 1 that sufficiently represents a broad population of plant Seismic Category I equipment and systems to meet the objectives of the NRC 50.54(f) Letter. The following attributes were considered in selecting items from the SPCL for inclusion in SWEL 1:

1. A variety of types of systems

The equipment included on SWEL 1 is a representative sample of several systems that perform one or multiple safety functions. Further, the systems represented include both frontline and support systems as listed in Reference 1 Appendix E: Systems to Support Safety Function(s). Examples include Emergency Diesel Generators and related systems, Emergency Core Cooling systems (Residual Heat Removal, Reactor Core Isolation Cooling, Core Spray, High Pressure Coolant Injection), power systems (125 VDC, 120 VAC, 480 VAC), and Ultimate Heat Sink (Spray Pond). Note, however, that the Reference 1 Appendix E table of generic BWR safety function systems includes some systems that are not applicable for Limerick Unit 1 because the IPEEE SPCL was not required to include all potential shutdown paths, and some systems, e.g., Isolation Condenser, do not exist at Limerick.

2. Major new and replacement equipment

The equipment included on SWEL 1 includes some items that have been modified or replaced over the past several years. Each item on SWEL 1 that is new or

replaced is identified. Due to the plant vintage, Limerick Unit 1 has not made significant modifications to Seismic Category I equipment. Accordingly, there is not a large number of new and replacement components.

3. A variety of types of equipment

The equipment class is identified for each item on SWEL 1. The equipment included on SWEL 1 is a representative sample from each of the classes of IPEEE equipment used in the Base List, which are based on the equipment classes from EPRI NP-6041-SL "A Methodology for Assessment of Nuclear Power Plant Seismic Margin (Revision 1)" (Reference 4). The IPEEE classes used in the Base List can be correlated to the classes of equipment cited in Reference 1, Appendix B. Table 4-1 at the end of this section shows the correlation between the two equipment classification systems. As shown in Table 4-1, at least one piece of equipment from each IPEEE class is included on SWEL 1, except for Class 11, "Motor Generators." No Seismic Category I motor generators were included in the IPEEE SPCL, and none have been identified that support the five Safety Functions included in this project.

4. A variety of environments

The location for each item is identified on SWEL 1. The equipment included on SWEL 1 is a representative sample from a variety of environments (locations) in the station. These environments include the Spray Pond Pump House (common to both units), Diesel Oil Storage Tank Underground Structure, Reactor Building, Control Structure and Drywell.

5. Equipment enhanced due to vulnerabilities identified during the IPEEE program

As discussed in Section 7 of this report, no IPEEE seismic-related plant improvements were implemented, or were committed to be implemented, for Limerick Unit 1.

6. Contribution to risk

In selecting items for SWEL 1 that met the attributes above, some items with similar attributes were selected based on their higher risk-significance. To determine the relative risk-significance, the Risk Achievement Worth (RAW) and Fussell-Vesely (F-V) importance for a Loss of Off-Site Power (LOOP) scenario, Reference 20, from the internal plant PRA were used. The LOOP scenario from the internal plant PRA includes those pieces of equipment and events that result in either a F-V importance greater than 1E-3 or a RAW greater than 2.0. Additionally, the list of risk-significant components for the LOOP PRA, Reference 20, were compared with the draft SWEL 1 to confirm that a reasonable sample of risk-significant components (relevant for a seismic event) were included on SWEL 1.

In accordance with Reference 1, components in lower dose areas were selected for the walkdown sample instead of the same component in a different train, but located in a higher dose area.

Table 4-1. Base List IPEEE Classes vs. EPRI Seismic Walkdown Guidance Equipment Classes

Equipment Class Name	Base List IPEEE Equipment Class	EPRI Seismic Walkdown Guidance Class	Total U1 and U0 SWEL Items per EPRI Guidance Class
Other; Not Specifically Identified	0	0	2
Motor Control Centers	1	1	7
Low Voltage Switchgears	1	2	2
Medium Voltage Switchgears	1	3	1
Transformers	2	4	4
Horizontal Pumps	3	5	3
Vertical Pumps	4	6	5
Fluid (Air/Hyd.) Operated Valves	5	7	9
Motor Operated Valves	6	8	7
Solenoid Operated Valves	7	8	1
Fans	8	9	3
Air Handlers	8	10	7
Chillers	9	11	1
Air Compressors	10	12	1
Motor Generators	11	13	0
Distribution Panels	12	14	3
Battery and Racks	13	15	2
Battery Chargers and Inverters	14	16	2
Engine Generators	15	17	1
Instrument on Racks	16	18	5
Local Instrument (not on rack)	17	18	9
Temperature Sensors	17	19	2
Control Panels and Cabinets	18	20	15
Vertical Tanks or Heat Exchangers	19	21	5
Horizontal Tanks or Heat Exchangers	20	21	5
		Total:	102

4.3 SWEL 2 – SPENT FUEL POOL RELATED ITEMS

In accordance with Reference 1, four screens are used to select the SSCs to be included on the second Seismic Walkdown Equipment List (SWEL 2), as described in the following sections.

4.3.1 Screen #1 - Seismic Category I

Only Seismic Category I SSCs, or SSCs that could result in rapid drain-down of the SFP (see Screen #4 below), are to be considered for inclusion in SWEL 2. As described in Reference 1, the adequacy of SFP structures is assessed by analysis and is not included in the scope of these walkdowns.

The review of the design and licensing basis documentation for the SFP identified no Seismic Category I equipment for Limerick Unit 1, except for the Residual Heat Removal (RHR) cross-tie, Emergency Service Water (ESW) make-up supply line, and the Spent Fuel Pool Skimmer Tank. Considerations for these components are discussed below.

1. **RHR Cross-Tie**

   The RHR cross-tie is separated from the Fuel Pool Cooling and Clean-up (FPCC) System via valves 051-1007 and 051-1023 per References 6 through 9. Valves 051-1007 and 051-1023 are manual valves which are line mounted in Seismic Category I piping. Additionally, the interconnecting piping between the RHR system and FPCC system is provided via one of two spool pieces: either one with blind flanges for normal operation, or one open spool piece for when the cross-tie is required (Reference 2, Section 9.1.3.2.3).

2. **ESW Make-Up Supply Line**

   The ESW make-up supply line is separated from the FPCC System via valve 053-1093. Per Reference 6, this is a manual valve located in Seismic Category I piping.

3. **Spent Fuel Pool Skimmer Tanks**

   The Spent Fuel Pool Skimmer Tanks are located in 24 ft deep, narrow pits between the reactor cavity and the spent fuel pool on the 352 ft elevation (References 10, 11, 12). The skimmer tanks are 6 ft in diameter, and the clearance around each tank varies between one and three feet. According to Limerick Station personnel, these tanks are in a high radiation field and are not accessible during normal operation or during RFOs.

4.3.2 Screen #2 – Equipment or Systems

This screen considers only those items from Screen #1 that are appropriate for an equipment walkdown process. Specifically,

1. Manual Valves and Spool Pieces--These components are inherently rugged, do not have active safety functions, and are included within their safety-related, ASME Code piping systems.

2. SFP Skimmer Tanks--These tanks are in an extremely high radiation field, and the only way to view the anchorage of the tanks would be with a remote camera due to physical constraints of the tank location. Even if a remote, camera-based inspection were performed, significant dose would be involved in getting access for the camera.

Therefore, no Seismic Category I items are included in SWEL 2.

4.3.3 *Screen #3 – Sample Considerations*

Sample considerations do not apply because no Seismic Category I items were selected in Screen #2.

4.3.4 *Screen #4 – Rapid Drain-Down*

This screen identifies items that could allow the spent fuel pool to drain rapidly. Rapid drain-down is defined as lowering of the water level to the top of the fuel assemblies within 72 hours after the earthquake. Consistent with Reference 1, the scope of items included in this screen is limited to the hydraulic lines connected to the SFP and the equipment connected to those lines. For the purposes of this program, the SFP gates are considered to be installed and the SFP cooling system is in its normal alignment for power operations. The SFP gates are passive devices that are integral to the SFP. As such, they are considered capable of withstanding a design basis earthquake and do not allow for a rapid drain-down of the SFP.

Based on review of the Limerick Unit 1 SFP design information, the following penetrations were identified:

- Skimmer surge tank intakes to the Spent Fuel Pool Cooling System are less than 2 feet below the normal surface level of the SFP (Reference 10).
- RHR return line penetrations are less than 4 feet below the normal surface level of the SFP (Reference 2, Section 9.1.3.3, and Reference 12).
- FPCC System Return line penetrations are less than 2 feet below the normal surface level of the SFP (Reference 12).

There is approximately 23 feet of water above the fuel during normal operation (Reference 2, Section 9.1.2.2.2.1), and a minimum of 19 feet of water between the top of the fuel and the penetrations. Therefore, there is no penetration within 10 ft above the top of the SFP fuel assemblies, and consistent with Reference 1, a rapid drain-down evaluation is not required.

In addition to penetration locations, the possibility of siphoning through piping that runs down into the SFP below the water level was evaluated. The FPCC return lines are non-safety related piping that enter the SFP at an elevation of 351'. After entering the SFP, both FPCC return lines run vertically, to an elevation of 328'-5.875", where the pipe ends (Reference 15). During normal operation, and a SFP level of approximately 38', the terminations of these pipes are within 10 feet of the top of the fuel. To prevent lowering of the SFP resulting from siphoning, two 1-1/4 inch anti-siphoning holes have been drilled in the piping at an elevation of 349'-2" (Reference 15), which is not within 10 feet

of the top of the fuel. As a result, no siphoning effect would occur that could cause rapid drain down of the SFP and no items need to be included in SWEL 2 for Limerick Unit 1.

4.4 COMPOSITE SWEL

As described in Section 4.1 above, the final Seismic Walkdown Equipment List (SWEL) for Limerick Unit 1 is the combined SWEL 1 and SWEL 2. For Limerick Unit 1, there are no items of equipment in SWEL 2, so the composite SWEL is the same as SWEL 1. Appendix B includes the composite SWEL.

5

Seismic Walkdowns and Area Walk-Bys

5.1 OVERVIEW

Seismic Walkdowns and Area Walk-Bys were conducted by 2-person teams of trained Seismic Walkdown Engineers, in accordance with the EPRI Seismic Walkdown Guidance (Reference 1). The Seismic Walkdowns and Area Walk-Bys are discussed in more detail in the following sections.

5.2 SEISMIC WALKDOWNS

An overview of the Seismic Walkdowns is shown on the Limerick Unit 1 SWEL and Unit 0 (common equipment with Unit 2) SWEL in Appendix B, Tables B-1 and B-2, respectively. A Seismic Walkdown Checklist (SWC) from Appendix C of Reference 1 was completed for each item on the SWEL, except for the deferred items identified at the end of the SWEL. Additionally, photos are included with each SWC to provide a visual record of the item and any significant comment noted on the SWC. Drawings and other plant design documents are cited in most of the SWCs, but they are not included with the SWCs because they are readily available in the plant's electronic document management system. Seismic Walkdowns were completed for 77 of the 87 items on the Limerick Unit 1 SWEL, plus all 15 items on the Unit 0 (common) SWEL, for a total of 92 items, not including the 10 deferred.

5.2.1 Anchorage Configuration Confirmation

As required by Reference 1 (page 4-3), the anchorage for at least 50% of the items were confirmed to be consistent with design drawings. The second to last column of Tables C-1 and C-2 in Appendix C document the anchorage confirmation. Specifically, items that are line-mounted (and therefore do not count in the anchorage confirmation total) are marked "N/A," items that were confirmed to be consistent with design drawings are marked "Y," and items for which anchorage drawings were not identified are marked "N.". See Table 5-1 below for the accounting of the 50% anchorage configuration confirmations, and the individual SWC forms in Appendix C for the specific drawings used in each confirmation.

Table 5-1. Anchorage Configuration Confirmation

Unit 1 or Unit 0 (Common)?	No. of SWEL Items (A)	N/A Items (B)	Required to Confirm? (A-B)/2	Items Confirmed
1	77	14	32	39
0	15	6	5	6
Totals	92	20	37	45

5.2.2 Issue Identification

None of the anomalies or issues identified by the SWEs during the equipment walkdowns were ultimately judged to be "Potentially Adverse Seismic Conditions" because in all cases it was concluded the anomaly or issue would not prevent the equipment from performing its safety-related function. Additionally, based on the IRs for each issue, all equipment affected by the as-found condition was determined to be functional. Table 5-2 provides a summary of the issues identified during the Seismic Walkdowns as provided in Reference 19.

Table 5-2. Issues Identified during Seismic Walkdowns

Item ID	Description of Issue	Action Request ID	Actions Complete Y/N(Notes 1, 2)
1BS252-1	A loose bolt was identified in a nitrogen bottle retaining bar. The retaining bar bolts are supposed to be snug tight.	IR 01394912	Yes
PSL-012-102A	The pressure switch was supposed to be installed with 3 bolts. However, two of the three bolts were not engaged with the pressure switch.	IR 01395230	No
1AV512	Two of the 16 bolts connecting the air intake funnel for the fan were not engaged.	IR 01395457	No
10X109	An issue with the grout pad of a transformer was identified. Several vertical cracks were identified and a small amount of grout was missing around the back left anchor bolt.	IR 01396431	No
00B519	A gap of approximately 1/8 to 1/4 inch was identified in the base plate for a lateral brace for an MCC.	IR 01395937	Yes
10C027	Lead shielding inside of 24" sliding exclusion zone not in compliance with NE-048, Rev. 2.	IR 01416573	Yes

Notes:
1. "Yes" indicates that corrective actions resulting from the issue are complete.
2. "No" indicates that corrective actions resulting from the issue are NOT complete. Actions are tracked by the IR number in the station Corrective Action Program.

5.3 AREA WALK-BYS

In accordance with Reference 1, Area Walk-bys were performed for each room or area which included one or more items on the SWEL. The last column of Tables C-1 and C-2 show the number of unique Area Walk-By Checklists (AWCs) completed during the walkdowns for Limerick Unit 1 and Unit 0 (common). AWC identifiers with asterisks (*) indicate the second or subsequent SWEL item included with a specific Area Walk-By. All completed AWCs are included in Appendix D. Photos are not included with the AWC forms because they are part of the SWC package of the identified equipment item. A total of 43 AWCs were completed for Unit 1, plus 9 for Unit 0 (common).

None of the anomalies or issues identified by the SWEs during the Area Walk-Bys were judged to be "Potentially Adverse Seismic Conditions" because in all cases the anomaly or issue would not prevent surrounding equipment from performing its safety-related function. Additionally, based on the IRs for each issue, all equipment affected by the as-is condition was determined to be operable.

Table 5-3 at the end of this section provides a summary of the issues identified in the Area Walk-Bys as provided in Reference 19.

Table 5-3. Issues Identified during Area Walk-Bys

Item ID/Area	Description of Issue	Action Request ID	Actions Complete Y/N(Notes 1, 2)
AWC-U1-01	A ladder was identified leaning against a cart, unsecured.	IR 01395707	Yes
AWC-U1-18 and AWC-U1-7	Two issues related to ladder storage were identified. The first involved an unsecured ladder that was stored on its side in the HPCI room. The second involved unsecured ladders stored on top of a scaffold storage rack.	IR 01395494	Yes
AWC-U0-02	A terminal box was identified with only one bolt securing it door when there were supposed to be three. Further the single bolt was loose.	IR 01395982	No
AWC-U1-36	A small gap was identified in a nitrogen bottle support bar. The support bars are supposed to be snug tight.	IR 01397658	No

Notes:
1. "Yes" indicates that corrective actions resulting from the issue are complete.
2. "No" indicates that corrective actions resulting from the issue are NOT complete. Actions are tracked by the IR number in the station Corrective Action Program.

6

Licensing Basis Evaluations

As noted in Sections 5.2.2 and 5.3, the issues identified during the Seismic Walkdowns and Area Walk-Bys were not determined to be "Potentially Adverse Seismic Conditions" because in all cases the anomaly or issue would not prevent the equipment from performing its safety-related function. Therefore, no formal Licensing Basis Evaluations were necessary and none were performed.

7

IPEEE Vulnerabilities Resolution Report

The Individual Plant Examination of External Events (IPEEE) report for Limerick Generating Station (Reference 13) and the NRC Safety Evaluation on the IPEEE report (Reference 14), do not identify any seismic vulnerabilities. This was attributed to the conservative nature of the original design, which is a reflection of the relatively new vintage of the plant. Therefore, no seismic-related plant improvements were implemented, or were committed to be implemented, for Limerick Unit 1.

Although there were no equipment-related modifications, the IPEEE report (Reference 13) did commit to improve the seismic housekeeping of the plant. A station housekeeping procedure (Reference 17) and a guidance procedure for storage and housekeeping (Reference 18) are both active to ensure good housekeeping practices at the site.

As noted above, there are no Design Basis vulnerabilities identified for Limerick Generating Station Unit 1 and Unit 0 (common).

8 Peer Review

8.1 Overview

In accordance with the EPRI Seismic Walkdown Guidance (Reference 1), a peer review of this project was performed during the preparation of the Seismic Walkdown Equipment List (SWEL), during implementation of the seismic walkdowns and area walk-bys, and following completion of the issue resolutions. Specifically, the peer review addresses the following activities:

- Review of the selection of the structures, systems, and components, (SSCs) that are included in the Seismic Walkdown Equipment List (SWEL),
- Review of a sample of the checklists prepared for the Seismic Walkdowns & Walk-Bys,
- Review of any licensing basis evaluations,
- Review of the decisions for entering the potentially adverse conditions in to the plant's Corrective Action Program (CAP), and
- Review of the final submittal report.

The complete Peer Review Report is included in Appendix F.

8.2 Review of SWEL

The peer review checklist for SWEL is included as an attachment to the Peer Review Report. This checklist was used to ensure that the SWEL 1, SWEL 2, and composite final SWEL meet the criteria of Reference 1. All peer review comments on the SWEL were resolved.

8.3 Review of Sample Seismic Walkdown and Area Walk-By Checklists

Approximately 28% of the Seismic Walkdown packages, i.e., SWC forms, photographs, and drawings (where applicable) were reviewed by the peer review team. Additionally, interviews were conducted with both teams of Seismic Walkdown Engineers to ensure that the seismic walkdowns and area walk-bys were performed in accordance with Reference 1.

The peer review team recommended that some clarifications be added to the SWC and AWC forms reviewed. Additionally, one technical question was posed about whether a

wheeled cart with lead shielding blankets would slide or tip over during a seismic event. This issue was addressed in IR 01416573 and has been closed as shown in Table 5-2.

8.4 REVIEW OF LICENSING BASIS EVALUATIONS

As discussed in Sections 5 and 6 of this report, the issues identified during the seismic walkdowns and area walk-bys did not threaten the ability of Seismic Category I equipment for perform its safety functions. The specific items that have been entered in the Limerick Corrective Action Program (CAP) were reviewed, and no concerns with the assessments or proposed resolutions were identified.

8.5 REVIEW OF SUBMITTAL REPORT

The signature of the Peer Review Team Leader on the cover of this report indicates a satisfactory review and resolution of any comments and confirms that all necessary elements of the peer review were completed.

9

References

Reference drawings related to the walkdown of SWEL items are documented on the Seismic Walkdown Checklists (SWCs) in Appendix C, and if applicable, on the Area Walk-By Checklists (AWCs) in Appendix D.

1. EPRI Technical Report 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic*, dated June 2012.

2. Limerick Generating Station Updated Final Safety Analysis Report (UFSAR), Revision 16.

3. PECO Document No. N-00E-117-00010, *Success Path Components List (SPCL) for Limerick Generating Station Unit 1 and Common*, Revision 0.

4. EPRI NP-6041-SL, *A Methodology for Assessment of Nuclear Power Plant Seismic Margin (Revision 1)*, dated August 1991.

5. L-S-52, *Spent Fuel Pool Cooling and Cleanup System*, Revision 4.

6. Drawing M-0053, Sheet 1, *P&ID Fuel Pool Cooling & Cleanup (Unit 1 & Common)*, Revision 48.

7. Drawing M-0053, Sheet 2, *P&ID Fuel Pool Cooling & Cleanup (Unit 1)*, Revision 48.

8. Drawing M-0051, Sheet 1, *P&ID Residual Heat Removal (Unit 1)*, Revision 65.

9. Drawing M-0051, Sheet 3, *P&ID Residual Heat Removal (Unit 1)*, Revision 67.

10. Drawing No. C-0246, Sheet 1, *Reactor Building Units 1 & 2 Pool Liners and Accessories Surge Tank Section & Details*, Revision 13.

11. Drawing No. M-0122, *Equipment Location Reactor Enclosure Unit 1 Plan At EL. 352'-0"*, Revision 17.

12. Drawing No. C-0234, *Reactor Building Unit 1 Pool Liners and Accessories Spent Fuel Pool Wall Liner Elevations*, Revision 22.

13. PECO Energy Company, *Limerick Generating Station Units 1 and 2, Individual Plant Examination for External Events*, June 1995.

14. NRC Letter (B. C. Buckley) to PECO (J. A. Hutton), *Review of Individual Plant Examination of External Events (IPEEE) Submittal, Limerick Generating Station, Units 1 and 2, (TAC NOS. M83636 AND M83637)*, dated February 23, 2000.

15. Drawing HCC-101-6, *Isometric - Reactor BLDG. Fuel Pool Cooling, Clean-up & Filter Demin. - Unit #1*, Revision 20.

16. Facility Operating License No. NPF-39.

17. Procedure MA-AA-716-026, *Station Housekeeping/Material Condition Program*, Revision 10.

18. Procedure MA-LG-716-026-1001, *Additional Guidance for In-Plant/Yard Storage and Housekeeping at Limerick*, Revision 15.

19. Email from R. Wehrman (Exelon) to C. Schlaseman (MPR), Subj: Limerick Walkdown IRs, 9/28/12, 11:34 AM.

20. Limerick Generating Station Document No. LG-MISC-008, *Limerick Risk Importance Listings to Support Development of the Seismic Walkdown Equipment List (SWEL)*, Revision 0.

A

Project Personnel Resumes and SWE Certificates

Resumes and SWE certificates are included for the team of engineers, followed by the resume for the Peer Review Team Lead, Patrick Butler.

MPR ASSOCIATES INC. ENGINEERS

Thomas C. King

EXPERIENCE SUMMARY

2002 – present MPR Associates, Inc.

Since joining MPR Associates, Mr. King has been involved in a variety of engineering tasks related to Navy Shipboard Systems, Damage Control, and power plant systems. Examples of his work include:

ACCOMPLISHMENTS SUMMARY

Power Plants
Performed plant walk-downs and analysis for structural items, flooding concerns, and plant equipment upgrades.

Site Support
Oversaw schedule, safety, and environmental issues during a plant modification, including the addition of a storm water detention basin.

Commercial Grade Dedication
Performed project manager, cognizant engineer, and project quality engineer duties for commercial graded dedication of various electrical and I&C components for nuclear plant and testing, inspection, and calibration services.

Project Quality Engineer
Performed quality assurance duties for various nuclear industry projects. Projects include commercial graded dedication of electrical equipment, detailed analyses projects and reports, as well as audits of commercial suppliers.

Fire Hazard / Hazard Assessment
Prepared preliminary fire hazard assessments for the next generation destroyers and amphibious transport ships.

Alkali-Silica Reactions (ASR)
Performed duties as a project quality engineer and Level I mechanical inspector for anchor pullout and breakout testing to support short-term assessment of degraded concrete exhibiting ASR degradation. Activities witnessed include calibration of M&TE and anchor pullout and breakout testing.

ASME Code Analysis and Design
Prepared and checked hydraulic calculations for nuclear steam and service water piping systems and ASME design calculations for both Section III and VIII vessels.

Fire Protection Design and System Review
Performed review of fire protection system designs for support ship classes including TAO and AS.

CVN78 Program
Provided independent review and technical oversight of AFFF, Firemain, and the Machinery Control Systems for CVN 78, including piping, power, and controls. Includes providing experience learned from previous jobs to shipyard personnel.

Chilled Water Automation System & Make-up Water Controller Lead Test Engineer
Prepared and executed the Verification and Validation Plan and test Procedures for the DDG 51 Chilled Water Automation System and Make-up Water Controller, including testing at the Land Based Demonstrator in Philadelphia. The testing validated the computer software / valve firmware, and the interaction with the mechanical equipment.

Solenoid operated pilot valve replacement
Developed and validated design requirements for the replacement of solenoid operated pilot valves for Navy use. The requirements included mechanical, system interface, and I&C requirements for integration with the existing piping and I&C infrastructure aboard the ship.

EDUCATION

Pennsylvania State University at Erie, The Behrend College, B.S. Mechanical Engineering, 2002

University of Maryland, College Park, M. E. Mechanical Engineering, 2007.

QUALIFICATIONS AND TRAINING

Seismic Qualification Utility Group (SQUG) course for Seismic Capability Engineers, as defined by the NRC's Unresolved Safety Issue (USI) A-46 Program, 2012

EPRI Seismic Walkdown Engineer (SWE) training, 2012

Level I Inspector (Mechanical, I&C, Electrical), 2011

Lead Auditor, 2009

MEMBERSHIPS

Member, American Society of Mechanical Engineers (ASME)

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Certificate of Completion

Thomas King

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

July 3, 2012
Date

Caroline S. Schlaseman, P.E.
Instructor

MPR ASSOCIATES INC. ENGINEERS

Craig B. Swanner, P.E.

EXPERIENCE SUMMARY

1994 – present MPR Associates, Inc.

Mr. Swanner joined MPR in 1994. He has worked extensively in project engineering, licensing, design of BWR reactor internals repairs, design and structural analyses of ASME Boiler and Pressure Vessel Code components, instrumentation & control and motor-operated valves.

ACCOMPLISHMENTS SUMMARY

Seismic Qualification
Managed the structural and seismic design of replacement electrical cabinets for safety related emergency diesel generators at multiple units and multiple sites. Seismic qualification included dynamic time history evaluation of cabinet response as well as seismic shake table testing. Seismic qualification satisfied requirements of IEEE Std 344.

BWR Core Shroud Repair Design
Designed a repair to structurally replace all circumferential welds in five BWR core shrouds. Performed design analyses to demonstrate the adequacy of the repair. Specific analyses performed included: repair assembly ASME Code Section III stress analysis, static load definition, evaluation of the effects of flow-induced vibration and shroud vibration on the repair, assessment of the effects of the repair on core downcomer flow characteristics, and evaluation of repair assembly thermal expansion.

Project Engineering
Provided project engineering support to various nuclear utilities on multi-million dollar, emergent critical path tasks. Responsibilities included resolution of emergent issues, supervision of procurement and receipt of safety-related components, interface with the design organization, plant management, work planning and the field. Experiences provided first hand, working level knowledge of practical application of all aspects of 10CFR50 Appendix B and how it is applied at different utilities.

BWR In-Vessel Piping Repairs
Designed first-of-a-kind repair clamps to structurally replace cracked welds in a BWR in-vessel feedwater sparger and a core spray line. Designed and managed fabrication of the tooling to remotely install feedwater sparger repair clamps from refueling bridge above vessel.

Design Basis Information Review
Provided management direction for a program to demonstrate the adequacy and availability of design basis information. Assisted preparation of the utility response to the NRC's 10 CFR 50.54(f) request. Prepared the engineering self-assessment report, which provided the supporting information for the conclusions drawn in the response. The program included vertical slice reviews of seven risk significant systems, a comprehensive review of engineering programs including Individual Plant Examination of External Events (IPEEE), Environmental Qualification, and Fire Protection, a UFSAR review, and a Technical Specification review. The reviews assessed the adequacy of the configuration control program in maintaining the design and licensing basis documents in conformance with operations, maintenance, and surveillance procedures and the physical plant configuration. Evaluated the discrepancies identified in the reviews for overall areas of weakness and recommended appropriate corrective actions.

ABWR Licensing
Served as the Engineering Procurement Construction (EPC) Team Licensing Lead for Digital Instrumentation and Control (DI&C) and Human Factors Engineering (HFE) for the first domestic ABWR construction project. Supported COLA Revisions, responses to USNRC Requests for Additional Information, and USNRC Inspections. Provided leadership in strategy development for the closure process of Design Acceptance Criteria (DAC)-related Inspection Test Analyses Acceptance Criteria (ITAAC).

Pressure Locking and Thermal Binding
Analyzed valves at several nuclear units to determine the bonnet pressurization due to valve heatup. The model utilized accounts for expansion of the bonnet with pressure and temperature. These analyses formed part of the utility's formal submittal in response to NRC Generic Letter 95-07.

Pump Modification for Debris Laden Fluid
Designed pump modification to prevent plugging of hydrostatic bearing during post accident operation when suction is taken from containment sump. Developed and designed mockups of pump close clearances to be used in wear testing with debris laden process fluid. Managed fabrication of mockups and pump modification. Supervised safety-related wear testing and provided field engineering support and inspection activities during installation of design in safety-related pump.

BWR Safety Relief Discharge Vacuum Breaker Design Modification
Developed modification to repair failed hinge arm of swing check valve installed as a vacuum breaker in the safety valve relief discharge lines at a BWR. Performed root cause evaluation to identify magnitude of pressure transient resulting in failure. Managed project to develop modification to prevent damage to hinge arm. The project included development of a design change package complete with design drawings, supporting analyses, and installation instructions. The modification was successfully installed on twelve vacuum breakers during a refueling outage.

Managed MOV Calculation Upgrade Effort
Implemented a program to upgrade calculations for 112 MOVs within the scope of Generic Letter 89-10 at one nuclear unit. Managed entire project to meet critical path outage window. Ensured input parameters from other organizations were in place to minimize the need for revision and field re-work. Recommended modifications to ensure operability of all MOVs after refurbishment. Calculations include seismic/weak link, evaluation of required thrust using EPRI PPM, DC motor stroke time, and MOV torque and thrust setup using AltraMOV. Final calculations received NRC approval, removing MOVs as an obstacle for restart of the unit.

Software Development for Bolted Closures
Managed a project to upgrade a computer software package used for the analysis of bolted closures. Identified and implemented the necessary code changes for the upgrade. Developed a software validation plan and supervised the final verification and validation of the software. Wrote the software users manual.

EDUCATION

Virginia Tech, B.S. Aerospace Engineering, 1994 (Summa Cum Laude)
Minors in Physics and Mathematics

REGISTRATION

Registered Professional Engineer, Commonwealth of Virginia

TRAINING

Seismic Capability Engineer, SQUG Training
Seismic Walkdown Engineer, EPRI NTTF 2.3 Seismic Walkdown Training Course

PUBLICATIONS

Knittle, P., Swanner, C., et al. "Modification of BWR Relief Valve Discharge Line Vacuum Breakers to Prevent Damage Due to Cyclic Loading," *Proceedings of the Eighth EPRI Valve Technology Symposium*. Electric Power Research Institute, 2001.

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Certificate of Completion

Craig Swanner

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

July 3, 2012
Date

Caroline S. Schlaseman, P.E.
Instructor

MPR ASSOCIATES INC. ENGINEERS

Mojtaba Oghbaei

EXPERIENCE SUMMARY

January 2006 – Present MPR Associates, Inc.

Mr. Oghbaei joined MPR in 2006. He has had significant experience in development of advanced analytic techniques and their application to specific practical problems. Particular subjects worked on include: two-phase thermal hydraulics; fluid transients in piping systems including waterhammer, two-phase flow, the effect of trapped voids, fluid structure interaction, and analysis of structures subjected to fluid transients. A large part of the engineering involved computer simulations using numerical methods.

Mr. Oghbaei has also significant experience in ASME Code evaluation of pressure vessels and piping systems as well as structural evaluation of components. The focus has been on evaluating the structural adequacy of components in nuclear applications such as heat exchangers, tanks, strainers, valves, and piping. He has also worked in seismic evaluation of components such as tanks and heat exchangers.

Specific examples of Mr. Oghbaei 's work include:

ACCOMPLISHMENTS SUMMARY

Nuclear Power Plant Transient Analyses
Evaluated transient two-phase flow conditions in nuclear power plants. This work included using of transient analysis computer programs for the detailed analysis of power plant components such as heat exchangers, pumps, and associated piping.

Column Closure Waterhammer Analyses
Performed analyses to simulate column closure waterhammer events in nuclear power plants. These events typically occur after a loss of power to the pumps causes the water in piping systems to drain forming a void. Upon restart, the accelerating water columns cause void condensation and collision between the columns. .

Simulation of Fast Transients
Performed analyses to evaluate fast transients in piping systems that include rapid valve closure/opening, pump start/stop to calculate hydraulic loads on piping.

Effect of Entrapped Air on Pumps Startup
Analyzed the effect of trapped air upstream of a pump on the startup characteristics of the pump. The analysis involved prediction of the amount of air trapped in the piping upstream of the pump that would be transported to the pump, and its effect on the pump performance based on industry accepted criteria. Analyses using the technique indicate successful startup of a pump with entrapped air is dependent on piping and pump geometry as well as on the temperature of the water being pumped.

Nuclear Power Plant Piping Analyses
Analyzed piping systems in nuclear power plants subjected to deadweight, thermal, and seismic loading. Performed piping and support stress analysis to determine support configuration modification required to ensure adequate capacities.

Nuclear Power Plant Containment Analyses
Involved in preparation and review of postulated High Energy Line Break (HELB) and Post-LOCA heatup scenarios using GOTHIC software for containment, turbine building, auxiliary building and control room. The analysis results and recommendations were used for Equipment Qualification (EQ) purposes.

Analyses of reactor Coolant Pump Seals
Performed thermal hydraulic analyses to simulate reactor coolant pump seals. When the cooling water flow to the seals is lost, the hot reactor coolant starts flowing to the seals. The increased temperature can cause the seals to rotate open due to differential thermal expansion. Since the seals are the primary hydraulic resistance in the system, the seal rotation increases loss of reactor coolant inventory.

ASME B&PV Code Evaluation of Pressure Vessels
Performed Section III and Section VIII ASME B&PV Code evaluation of several heat exchangers, tanks, strainers, valves, and piping systems. This includes structural evaluation of pressure boundary and internal components using both hand calculation and finite element evaluations.

Piping Crack Evaluation using Fracture Mechanics Analytical Methods
Performed piping crack analyses to determine structural adequacy and provide inputs for leak-before-break (LBB) evaluations for primary and secondary piping systems.

MOV Analysis for Required Stem Thrust and Weak Link Evaluation
Performed required thrust evaluation of MOVs under different system conditions using the EPRI PPM Methodology and reviewed vendor weak link analyses as part of NRC Information Notice 92-18.

EDUCATION

B.S., M.S. and Ph.D. in Mechanical Engineering.

Rensselaer Polytechnic Institute, Ph.D. in Mechanical Engineering, December 2005.

QUALIFICATION AND TRAINING

Seismic Qualification Utility Group (SQUG) course for Seismic Capability Engineers, as defined by the NRC's Unresolved Safety Issue (USI) A-46 Program, 2012

EPRI Seismic Walkdown Engineer (SWE) training, 2012

PUBLICATIONS

A State-Time Formulation for Dynamic Systems Simulation Using Parallel Computing Resources, Nonlinear Dynamics, 39(3), pp. 305-318, Feb. 2005.

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Certificate of Completion

Mojtaba Oghbaei

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

July 3, 2012
Date

Caroline S. Schlaseman, P.E.
Instructor

MPR ASSOCIATES INC. ENGINEERS

James N. Wiggin

EXPERIENCE SUMMARY

2006 – 2007 FEV Engine Technology
2008 – present MPR Associates, Inc.

Mr. Wiggin joined MPR Associates in 2008. Previously he performed finite element analyses of power train components for an engine design and development company. Since joining MPR, Mr. Wiggin has developed expertise in the following diverse technical areas: stand-by AC power sources; power plant procedures and system modifications; commercial grade dedication; inspection and procurement of nuclear safety-related equipment; component & system design basis analysis; balance-of-plant system operations; motor-operated valves; and centrifugal pump operation.

ACCOMPLISHMENTS SUMMARY

Stand-by AC Power
Mr. Wiggin has experience with the following aspects of emergency AC power generation: engine signature analysis (ESA), root cause investigation, preventive maintenance, condition-based maintenance, ultra-low sulfur diesel (ULSD) effects, fuel economy, power up-rates and regulatory compliance. Examples of some of these disciplines include:

- Performed ESA for several nuclear power industry clients on a variety of diesel engine types. Also taught an ESA course to members of the Korean Electric Power Research Institute.
- Conducted engine maintenance reviews for nuclear power plants and reviewed EDG mechanical calculations for planned engine power up-rates.
- Performed past-operability analyses, EDG reliability and vulnerability studies and fuel oil/lube oil compatibility evaluations for nuclear power plants.

Design Basis Analysis
Mr. Wiggin has evaluated the design basis of balance-of-plant components including valves, pumps, system piping, dampers and doors for possible safety classification upgrades and plant simulator programs. Reviews involved study of process flow diagrams, P&IDs, logic diagrams, vendor technical manuals and related licensing basis documentation. He wrote a plant procedure for future component quality reviews/determination.

He has also performed environmental qualification evaluations for component materials within containment for GSI-191 studies and reviewed design basis calculations for seismic adequacy and power up-rates.

Equipment Procurement
Mr. Wiggin has written and reviewed procurement specifications for nuclear safety-related applications including:

- Evaluated EDG replacement engine fuel oil and lube oil consumption and storage requirements and developed portions of a new EDG procurement specification.
- Performed technical review of procurement specifications for EDG auxiliary components including pumps, tanks, strainers and fill stations.
- Led procurement effort for safety-related service water strainer backwash pumps. Developed pump procurement specification and collaborated with plant personnel to establish licensing criteria, performance requirements and debris tolerance characteristics. Coordinated with pump vendors and testing facility for pump delivery and testing schedules.
- Evaluated potential vendors for current and future technical capability to manufacture a small modular reactor design. Considered nuclear project history, ability to expand current capabilities, market position and personnel qualifications.

Commercial Grade Dedication & Inspection
Mr. Wiggin has completed several commercial grade dedication (CGD) projects and is a certified ANSI Level II Mechanical Inspector.

He led a time-critical CGD effort of a wire replacement order and has inspected various components for CGD efforts, including a large order of high pressure fuel injection lines for replacement and spares on four EDGs. He has developed CGD plans, inspection procedures, test

procedures, acceptance records, inspection records and non-conformance reports.

He has been a client representative for factory acceptance testing as well as a manufacturing expediter, ensuring high quality while meeting customer schedule demands.

Motor-Operated Valves
Mr. Wiggin has performed design-basis valve set-point calculations for safety-related motor-operated valves (MOVs) in critical systems such as safety injection, containment spray and reactor heat removal. He has experience using the EPRI Performance Prediction Methodology (PPM) and plant-specific, proprietary MOV analysis software.

He has performed analyses for gate, globe and butterfly valves and evaluated gate valves for pressure-locking and thermal binding effects as well as the newly discovered disc-pinching effect.

Power Plant Procedures & Modifications
Mr. Wiggin has written and revised procedures for power plant operations and has experience with design, review, testing and implementation of major plant modification projects.

He has written and reviewed calculations and technical reports in support of engineering change (EC) packages and performed technical reviews of ECs for design basis set-point changes, power up-rates, new installations and compensatory measures for regulatory compliance.

Life Cycle Management
Mr. Wiggin has performed reviews of individual components (reactor coolant pump bonnet bolts) and complete systems (emergency power) for the purpose of evaluating ability to meet the licensed design life and for license extension analyses.

These reviews included analyzing current component conditions, maintenance practices, management commitments to plant sustainability and ease of procedure use. Provided recommendations for future maintenance based on industry and regulatory guidance.

EDUCATION

Pennsylvania State University, B.S. in Aerospace Engineering, 2005

Professional Engineer license granted 6/2012

QUALFICATION AND TRAINING

Seismic Qualification Utility Group (SQUG) course for Seismic Capability Engineers, as defined by the NRC's Unresolved Safety Issue (USI) A-46 Program, 2012

EPRI Seismic Walkdown Engineer (SWE) training, 2012

PUBLICATIONS

Humphrey, Amie N. et al., "Debris Laden Backwash Pump Performance Evaluation," *Proceedings of the ASME 2011 Power Conference*, Denver, Colorado, July 12-14, 2011, ASME.

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Certificate of Completion

James Wiggin

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

July 3, 2012
Date

Caroline S. Schlaseman, P.E.
Instructor

MPR ASSOCIATES INC. ENGINEERS

Caroline S. Schlaseman, P.E.

EXPERIENCE SUMMARY

Since joining MPR in 1981, Ms. Schlaseman has performed a broad spectrum of technical work, including work in her primary area of expertise, structural mechanics. This work includes supervisory and management responsibilities in several areas, including projects for existing U.S. commercial and DOE nuclear plants, new-build U.S. nuclear power plants, fossil-fueled power plants, and non-power generation clients.

ACCOMPLISHMENTS SUMMARY

Project Management

Managed several conceptual design projects for a 2 unit BWR, including alternatives analysis and conceptual design for upgrading the feedwater heater level controls, modifying the turbine supervisory instrumentation, and resolving a dozen operational problems with the condensate demineralizer system.

Managed a task to redesign a BWR drywell penetration to ASME Code Class MC requirements, including Code Design Report and other supporting calculations. The task was performed during a four-day critical path period with no advance planning.

Managed test program to re-qualify packages used to transport radioactive sources under the rules for normal and accident conditions specified in 10CFR71 for Type B Transport packages. The project included preparation of initial package assessments to select impact test orientations predicted to inflict the greatest damage, test plan preparation and response to NRC questions, test report and final Safety Analysis Report preparation.

Managed project to confirm that small-bore piping in an older BWR meets its code requirements for deadweight, seismic and thermal loadings. Developed screening criteria and performed walkdowns of samples of piping and tubing in nine safety-related system, including piping inside the drywell. Supervised finite element piping analyses of lines that did not meet screening criteria.

Managed tasks to modify the design and perform structural code evaluations of two valve types used in shipboard nuclear plant applications.

Coordinated and participated in seismic adequacy walkdowns and evaluations of approximately 600 equipment items required for safe shutdown of a single-unit BWR. Coordination of these walkdowns included scheduling, tracking, and interfacing with outage management, health physics, craft support, QA, and the client's project engineer.

Responsible for seismic and thermal cycling test program to qualify three sizes of solenoid operated valves intended for nuclear service.

U.S. New-Build Nuclear Plants

Supported licensing of a 2-unit ABWR in the U.S. by writing portions of a significant revision to a Combined License (COL) application, responding to U.S. NRC Requests for Additional Information (RAIs), meeting with the NRC to resolve technical questions, and making presentations to the NRC's Advisory Committee on Reactor Safeguards (ACRS).

Member of NEI Construction Inspection Program (CIP) ITAAC Task Force, which meets periodically with NRC to establish processes for addressing ITAAC provisions in 10 CFR Part 52. Contributing author for NEI 08-01.

Structural Design and Analysis

Performed ASME Code Case evaluations, including potential flaw growth due to fatigue and evaluation of weld shrinkage, to support a weld overlay repairs for BWR recirc piping and a heat exchanger nozzle. Prepared report providing the technical basis for the submittal to the NRC.

Analyzed stresses in piping subjected to hydrodynamic loadings generated within a BWR toroidal suppression chamber during a postulated LOCA. Evaluated impact of replacement in-torus strainer volume and mass on piping, nozzle and transition stresses.

Performed thermal and stress analysis of a PWR primary system bolted-flange connection to evaluate the leak tightness of existing and proposed designs.

Performed leak-before-break failure analysis for selected piping systems under normal, seismic, and accident loading conditions.

Designed supports and provided field support for installation of a new high temperature and pressure tubing system during a forced outage at a BWR. Installation of the new tubing system was required before the BWR could be brought back on line.

Designed hardware modifications to piping branch connections and pipe supports, in accordance with ASME and AISC Code criteria.

Nuclear Plant Design Basis
Prepared the topical design criteria document for seismic classification of structures, systems, and components for an older BWR's design basis reconstitution program. Prepared detailed scope/plan document for nonseismic external events (e.g., flooding) design criteria document, and independently reviewed this document prepared by others. Evaluated current design requirements for seismic, flooding, tornado and other extreme external events, and the effect of these requirements on older, operating nuclear units. Participated in an NRC safety system functional inspection audit of a BWR, including preparation of calculations to document the design basis of audited systems. Researched and documented an older plant's sources, indexes, and methodologies for retrieval of design basis information by engineers.

License Renewal and Material Condition Assessments
Developed the approach and managed a comprehensive aging management assessment of an older DOE test reactor.

Assessed the adequacy of a PWR's existing programs to manage the effects of potential age-related degradation mechanisms on component supports within the scope of license renewal.

Performed inspections and evaluations of the material condition of auxiliary equipment in fossil-fueled generating stations as part of material condition/life extension studies.

BWR Suppression Pool Suction Strainers
Performed the evaluation of options for resolving NRC Bulletin 96-03 issues for an operating BWR, including scoping calculations for debris source term and debris transport, analyses to evaluate the impact of the postulated debris on the ECC system components entering the existing piping at the torus suction, scoping stress analyses for possible new suction strainer impact on penetration locations, in accordance with Mark I criteria, and cost benefit evaluations for each of the candidate options.

Performed evaluations for another operating plant to determine the maximum size and weight replacement strainers that could be installed without exceeding Mark I stress criteria for torus nozzle penetrations, transitions, and attached piping. Strainers with significantly more surface area were successfully installed based on these analyses.

Nuclear Plant Seismic Adequacy Assessment (USI A-46)
Performed seismic adequacy walkdowns of several hundred mechanical and electrical equipment items at two BWRs, and at a two-unit PWR. Work was performed in accordance with the NRC-approved Generic Implementation Procedure (GIP), and included screening walkdowns and seismic capacity calculations for equipment anchorages.

Supported seismic relay evaluations at a BWR by assisting in establishment of appropriate seismic demands for relays mounted in a variety of enclosures, e.g., control room panels and switchgear.

Primary author of USI A-46 Seismic Evaluation Reports for three plants' NRC submittals.

Co-instructor for Seismic Qualification Utility Group (SQUG) training course for performing equipment screening walkdowns in accordance with the GIP.

EDUCATION

Duke University, B.S. Civil/Structural Engineering (Magna Cum Laude), 1981

REGISTRATION

Registered Professional Engineer, Commonwealth of Virginia

OTHER

Co-Principal Investigator, Electric Power Research Institute (EPRI) document 1025286, "Seismic Walkdown Guidance: For Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic," EPRI, Palo Alto, CA: 2012.

Successfully completed the Seismic Qualification Utility Group (SQUG) course for Seismic Capability Engineers, as defined by the NRC's Unresolved Safety Issue (USI) A-46 Program, 1993, and EPRI Seismic Walkdown Engineer (SWE) training, 2012.

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Certificate of Completion

Caroline Schlaseman

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

June 21, 2012
Date

R.P. Kassawara
Robert K. Kassawara
EPRI Manager,
Structural Reliability & Integrity

MPR ASSOCIATES INC. ENGINEERS

Patrick J. Butler, P.E.

EXPERIENCE SUMMARY

1986 – present MPR Associates, Inc.

Since joining MPR in 1986, Mr. Butler has acquired experience in engineering related to nuclear and fossil electrical generating facilities including project management, analysis, design, and economic evaluation. Specific areas of work include design and on-site support of major modifications and testing, stress analysis, controls, thermal hydraulics, seismic engineering, and machine design as described below:

ACCOMPLISHMENTS SUMMARY

Equipment Seismic Qualification

Developed guidelines and procedures for the Seismic Qualification Utility Group (SQUG) for using the Generic Implementation Procedure (GIP) for assessing the seismic adequacy of new and replacement equipment installed in Unresolved Safety Issue A-46 power plants. Involved in development of licensing guidelines for incorporation of the GIP Methodology into USI A-46 Plants. Developed and taught course for SQUG training Seismic Capability Engineers (SCE) in used of GIP for new and replacement equipment. Has received SQUG training to be certified as a SCE. Performed seismic qualification evaluations for control room equipment modifications in accordance with IEEE Standard 344-1975, including analyses of several modified equipment cabinets, as well as development and documentation of a detailed analysis procedure. Involved in project to develop experience-based seismic qualification methodology for select equipment types within Advanced Light Water Reactors. Performed equivalent static and response spectrum analysis for numerous replacement ASME Code Section III components for nuclear plants. Compared the ANCHOR and EBAC equipment anchorage seismic evaluation computer codes which included performing example evaluations and comparing code algorithms. Prepared procedure for evaluation and resolution of seismic licensing basis violations discovered during USI A-46 reviews. Assisted walkdown engineers in SQUG USI A-46 pilot plant assessment by performing anchorage qualification calculations and equipment seismic evaluations. Has also performed finite element dynamic analyses of piping systems.

BWR Reactor Internals Repairs

Lead MPR Engineer responsible for design and analysis of shroud components, development of installation requirements, interface with installation vendor and on-site support of installation of the MPR Shroud Repair Design at Oyster Creek in 1994, FitzPatrick in 1995 and Vermont Yankee in 1996, Hamaoka 3 in 2005 and Hamaoka 4 in 2006. The repairs, while not N-stamped were designed to meet the requirements of the ASME Boiler and Pressure Vessel Design Code, Subsection NG. Specific responsibilities included design of repair hardware, analysis of the effect of the repair on the core spray piping, development of the installation specification for the repair, development of the installation process with the installation vendor, oversight of installation tooling development and qualification and lead MPR site engineer supporting installation of the repair. Lead MPR Engineer responsible for design of repairs for BWR Core Spray Piping inside vessels at Vermont Yankee and at Brunswick Unit 2. Awarded 5 U.S. Patents for repair hardware and tooling associated with BWR reactor vessel internals repairs.

ASME Code Section III Design and Analysis

Lead MPR Engineer responsible for interface with N-Stamp holding fabrication partner. Prepared and certified design specifications and ASME Code Design Reports for numerous Section III replacement vessels, heat exchangers, pump blocks, filter housings and strainers to support fabrication partner. Responsible for preparation and certification of ASME Code Section III design specifications for replacement once-through steam generators and attached hot leg piping and elbows for utility client.

Decay Heat Removal Valve Repair

Lead MPR engineer responsible and project manager for design and analysis of a valve modification involving welding of a canopy over a leaking pressure seal bonnet to create a new ASME Code pressure boundary. The modification involved ASME Section III, Subsection NB analyses of the canopy and adjacent valve body and bonnet areas that the canopy was welded. In addition, MPR performed an extensive Section XI reconciliation of ASME Section III, Subsection NB to the code of construction for the valve. MPR produced the fabrication drawings for the canopy and performed the finite element analysis of the canopy, valve bonnet and body, providing all deliverables on time and on budget. The modification was implemented during a forced

outage this spring. The innovative approach implemented in this modification allowed the utility to repair the valve with the decay heat system in-service. Alternate repair options involving rework or replacement of the valve would have required complete core off load. The utility estimated that implementation of the innovative canopy modification saved them on the order of $10 million.

Three Mile Island Defueling and Sample Removal
Involved in design, testing and in-vessel use of special tooling for removal of fuel assemblies from the damaged Three Mile Island Unit 2 reactor vessel. Also was involved in an NRC project to remove metallurgical samples from bottom head of the Three Mile Island Unit 2 reactor vessel. Specific activities included tool design and fabrication supervision, qualification testing, personnel training and supervision of on-site sampling activities. Acted as lead engineer responsible for two sampling tool systems and was responsible for shift sampling operations in the support of the Project Manager. During thirty days of in-vessel activities, thirty-one samples were removed for NRC evaluation. The project was completed on schedule and within fixed cost budget limits. Assisted the Smithsonian Institute in developing an exhibit depicting the sample removal project which is included in the "Science in American Life" exhibit in the National Museum of American History.

Vessel Penetration Repair and Analysis
Developed and implemented hydrostatic testing program for a mechanical seal developed as a contingency repair for damaged BWR reactor vessel control rod drive penetrations. Specific tasks included test plan development, re-design of seal components, and design, fabrication management and testing of seal installation tooling.

Component Design Basis Inspection Support
Lead MPR Engineer responsible for providing support for NRC Component Design Basis Inspections. Mr. Butler has managed several teams of MPR engineers involved in performing focused area self assessments in preparation of the CDBI inspection as well as teams providing support during the actual inspection. Mr. Butler has been the lead MPR engineer for six inspections for three different nuclear plants.

EDUCATION

Virginia Polytechnic Institute and State University, B.S. Mechanical Engineering, 1986

PUBLICATIONS

"GIP Methodology for New and Replacement Equipment and Parts," with S. J. Eder and R. P. Kassawara presented at the Fifth Symposium on Current Issues Related to Nuclear Power Plant Structures Equipment and Piping, Orlando, FL: December 14-16, 1994

"Application of the GIP Methodology for Demonstrating Seismic Adequacy of New and Replacement Equipment and Parts In USI A-46 Plants," with S. J. Eder and R. P. Kassawara presented at the 1994 ASME Pressure Vessels and Piping Conference, Minneapolis, MN: June 19 23, 1994

"Seal Enclosure Modification for Crystal River Unit 3 Decay Heat Removal Valve DHV-3," with Andrew Dewhurst to be presented at the 2001 EPRI Valve Symposium, Baltimore, MD, August 14-16, 2001

REGISTRATIONS

Registered Professional Engineer, State of Virginia, (Registration Number 23815)

Registered Professional Engineer, State of Kansas (Registration Number 18757)

PATENTS

"Method for Detecting Changes in Preload in a Tie Rod Installed as Part of a Core Shroud Repair in a Boiling Water Reactor, " U.S. Patent No. 5,589,640

"Method of Preventing Separation of Feedwater Sparger End Bracket Assemblies," U.S. Patent No. 7,505,546.

"Apparatus and Method for Mechanically Reinforcing the Welds Between Riser Pipes and Riser Braces in Boiling Water Reactors," U.S. Patent 7,185,798.

"Apparatus for Detecting Changes in Preload on a Tie Rod Installed as Part of a Core Shroud Repair in Boiling Water Reactors," U.S. Patent 5,809,100.

"Clamp for Feedwater Sparger End Bracket Assemblies and Method of Preventing Separation of Feedwater End Bracket Assemblies," U.S. Patent 7,492,851

B
Equipment Lists

The following documents are included in this appendix:

- Base List (SPCL cover sheet plus 79 pages)
- SWEL Signature Page
- Table B-1: SWEL for Unit 1
- Table B-2: SWEL for Unit 0 (common)
  Note that there are no items in the SWEL 2 for Limerick Unit 1.
- Table B-3: Deferred to RFO: Inaccessible or Requires Removal of Insulation to see Anchorage

ATTACHMENT A

Composite Success Path Component List (SPCL) sorted by Equipment ID

79 Pages

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8719	1 S ACTIVE	00B131 D134-R-E	480V	D134-R-E REACTOR AREA SAFEGUARD 480V MCC 10-B223 ZC	E-28	402 253 REACTOR ENCLOSURE	ENERGIZED 253 ENERGIZED	10B203 N/R		
3 1 8319	1 S ACTIVE	00B132 D144-C-B	480V	CONTROL ENCLOSURE SAFEGUARD 440V MCC 00-B132 ZD	E-28	619E 304 CONTROL STRUCTURE	ENERGIZED 304 ENERGIZED	10B204 N/R		
3 1 8125	1 S ACTIVE	00B519 D114-S-L	480V	D114-S-L SPRAY POND AREA SAFEGUARD 440V MCC 00-B519 ZA	E-28	1000 268 SPRAY POND PUMP STRUCTURE	ENERGIZED 268 ENERGIZED	10B201 N/R		
3 1 8225	1 S ACTIVE	00B520 D124-S-L	480V	D124-S-L SPRAY POND AREA SAFEGUARD 440V MCC 00-B520 ZB	E-28	1005 268 SPRAY POND PUMP STRUCTURE	ENERGIZED 268 ENERGIZED	10B202 N/R		
3 Common 8619	1 S ACTIVE	00B522 D244-S-L	480V	D244-S-L SPRAY POND AREA SAFEGUARD 480V MCC 00-B522 ZD	E-29	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE 268 OPERABLE	20B204 N/R		
3 Common 9163	18 S PASSIVE	00C681 00-C681	N/A	PANEL HEATING & VENTILATING CONSOLE	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
3 Common 9159	18 S PASSIVE	00C692 00-C692	N/A	PANEL SUPP. POOL TEMP. & CONT. ATMOS MONITORING	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
3 Common 8129	2 S ACTIVE	01X566 01-X556	120V AC	DIV I SPRAY POND PUMP STRUCTURE 120V AC INSTRUMENT PANEL XFMR	E-30, Sht 3	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE 268 OPERABLE	00B519 N/R		
3 Common 8130	12 S ACTIVE	01Y501 01-Y501	120V AC	DIV. 1 SPRAY POND 120 VAC INST. PANEL 01-Y501 SERVICE DISC. SW.	E-30, Sht 3	1000 268 SPRAY POND PUMP STRUCTURE	ENERGIZED 268 ENERGIZED	00B519, 01X566 N/R		
3 Common 8231	2 S ACTIVE	02X566 02-X566	120V AC	DIVISION II SPRAY POND PUMP STRUCTURE 120V AC INSTRUMENT PANEL T	E-30, Sht 3	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE 268 OPERABLE	00B520 N/R		
3 Common 8229	12 S ACTIVE	02Y501 02-Y501	120V AC	DIV. 2 SPRAY POND 120 VAC INST. PANEL 02-Y501 SERVICE DISC. SW.	E-30, Sht 3	1005 268 SPRAY POND PUMP STRUCTURE	ENERGIZED 268 ENERGIZED	00B520, 02X566 N/R		
3 Common 9160	18 S PASSIVE	0AC564 0A-C564	N/A	CONTROL PANEL SPRAY POND PUMP STRUCTURE AIR SUPPLY FAN	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE 268 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 Common 9164	18 S PASSIVE	0AC667 0A-C667	N/A	EMERGENCY SERVICE WATER DIVISION I CONTROL PANEL	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
1 Common 5571	9 S PASSIVE	0AK112 0A-K112	CONTROL ENCL CHILLED WATER	CONT. ENCL. CHILLER 0AK112 (CHILLER A)	M-11, Sht 2	258 200 CONTROL STRUCTURE	N/A 200 N/A	N/A N/A		
1 Common 4501	4 SR ACTIVE	0AP506 0A-P506	RHRSW	"A" RHR SERVICE WATER PUMP 0AP506 (PUMP A)	M-12	1000 268 SPRAY POND PUMP STRUCTURE	OFF 280 ON	10A115 10A115, 1AD102	SPPV	M-81, Sh. 1
1 Common 5500	4 SR ACTIVE	0AP548 0A-P548	ESW	A EMERGENCY SERVICE WATER PUMP 0AP548 (PUMP A)	M-11, Sht 1	1000 268 SPRAY POND PUMP STRUCTURE	OFF 280 ON	10A115 10A115, 1AD102	SPPV	M-76
3 Common 5700	8 SR ACTIVE	0AV543 0A-V543	MISC. STRUCTURES - HVAC	"A" SPRAY POND PP. STRUCTURE AIR SUPPLY FAN	M-81, Sht 1	1000 268 SPRAY POND PUMP STRUCTURE	OFF 268 OPERABLE	00B519 00B519	ESW	M-11
3 Common 9161	18 S PASSIVE	0BC564 0B-C564	N/A	CONTROL PANEL SPRAY POND PUMP STRUCTURE AIR SUPPLY FAN	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE 268 OPERABLE	N/A N/A		
3 Common 9165	18 S PASSIVE	0BC667 0B-C667	N/A	EMERGENCY SERVICE WATER DIVISION II CONTROL PANEL	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
2 Common 5645	9 S PASSIVE	0BK112 0B-K112	CONTROL ENCL CHILLED WATER	CONT. ENCL. CHILLER 0BK112 (CHILLER B)	M-11, Sht 2	263 200 CONTROL STRUCTURE	N/A 200 N/A	N/A N/A		
2 Common 4601	4 SR ACTIVE	0BP506 0B-P506	RHRSW	"B" RHR SERVICE WATER PUMP 0BP506 (PUMP B)	M-12	1005 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	10A116 10A116, 1BD102	SPPV	M-81, Sh. 1
2 Common 5600	4 SR ACTIVE	0BP548 0B-P548	ESW	B EMERGENCY SERVICE WATER PUMP 0BP548 (PUMP B)	M-11, Sht 1	1005 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	10A116 10A116, 1BD102	SPPV	M-76
3 Common 5750	8 SR ACTIVE	0BV543 0B-V543	MISC. STRUCTURES - HVAC	"B" SPRAY POND PP. STRUCTURE AIR SUPPLY FAN	M-81, Sht 1	1005 268 SPRAY POND PUMP STRUCTURE	OFF 268 OPERABLE	00B520 00B520	ESW	M-11
3 Common 9166	18 S PASSIVE	0CC667 0C-C667	N/A	EMERGENCY SERVICE WATER DIVISION III CONTROL PANEL	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 Common 4503	4 SR ACTIVE	0CP506 0C-P506	RHRSW	"C" RHR SERVICE WATER PUMP 0CP506 (PUMP C)	M-12	1000 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	20A115 20A115, 2AD102	SPPV	M-81, Sh. 1
1 Common 5501	4 SR ACTIVE	0CP548 0C-P548	ESW	C EMERGENCY SERVICE WATER PUMP 0CP548 (PUMP C)	M-11, Sht 1	1000 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	20A117 20A117, 2CD102	SPPV	M-76
3 Common 9162	18 S PASSIVE	0DC667 0D-C667	N/A	EMERGENCY SERVICE WATER DIVISION IV CONTROL PANEL	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
2 Common 4603	4 SR ACTIVE	0DP506 0D-P506	RHRSW	"D" RHR SERVICE WATER PUMP 0DP506 (PUMP D)	M-12	1005 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	20A116 20A116, 2BD102	SPPV	M-81, Sh. 1
2 Common 5601	4 SR ACTIVE	0DP548 0D-P548	ESW	D EMERGENCY SERVICE WATER PUMP (PUMP D)	M-11, Sht 1	1005 268 SPRAY POND PUMP STRUCTURE	OFF 268 ON	20A118 20A118, 2DD102	SPPV	M-76
1 1 3113	32 S PASSIVE	101F209 101F209	RCIC	RCIC SUPPRESSION POOL SUCTION STRAINER	M-49, Sht 1	101 182 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 3300	32 S PASSIVE	101F210 101F210	HPCI	HPCI SUPPRESSION POOL SUCTION STRAINER	M-55, SHT 1	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
1 1 3114	32 S PASSIVE	102F209 102F209	RCIC	RCIC SUPPRESSION POOL SUCTION STRAINER	M-49, Sht 1	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
1 1 3301	32 S PASSIVE	102F210 102F210	HPCI	HPCI SUPPRESSION POOL SUCTION STRAINER	M-55, SHT 1	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
3 1 6100	1 SR ACTIVE	10A115 D11	4KV	SWITCHGEAR, SAFEGUARD METALCLAD, 4.16KV, 3PH, 3 WIRE, 60HZ	E-15	435 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1AG501 1AD102		
3 1 8101	1 BR ACTIVE	10A115(02) D11-BUS-02	4KV	201-D11 SAFEGUARD XFMR, BREAKER (CB4008) 10A115	E-15	435 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1AG501 1AD102		
3 1 8102	1 BR ACTIVE	10A115(03) D11-BUS-03	4KV	"A" RHR. SERVICE WATER PUMP 0AP506 152-11503 (CB4020) 10A115	E-15	435 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1AG501 1AD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No	Room No / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1	10A115(04)	4KV	1A RHR PP. 1AP202 152-11504 (CB4034)	E-15	435	OPERABLE	1AG501		
1	BR					239	239			
8103	ACTIVE	D11-BUS-04		10A115		CONTROL STRUCTURE	OPERABLE	1AD102		
3	1	10A115(05)	4KV	D114 SAFEGUARD LC XFMR 10X201 (CB4017)	E-15	435	OPERABLE	1AG501		
1	BR					239	239			
8104	ACTIVE	D11-BUS-05		10A115		CONTROL STRUCTURE	OPERABLE	1AD102		
3	1	10A115(07)	4KV	DIESEL GEN 1AG501 (CB4036)	E-15	435	OPERABLE	1AG501		
1	BR					239	239			
8105	ACTIVE	D11-BUS-07		10A115		CONTROL STRUCTURE	OPERABLE	1AD102		
3	1	10A115(08)	4KV	'A' ESW PUMP 0AP548 152-11508 (CB4043)	E-15	435	OPERABLE	1AG501		
1	BR					239	239			
8106	ACTIVE	D11-BUS-08		10A115		CONTROL STRUCTURE	OPERABLE	1AD102		
3	1	10A115(09)	4KV	101-D11 SAFEGUARD XFMR BREAKER (CB4009)	E-15	435	OPERABLE	1AG501		
1	BR					239	239			
8107	ACTIVE	D11-BUS-09		10A115		CONTROL STRUCTURE	OPERABLE	1AD102		
3	1	10A116	4KV	SWITCHGEAR, SAFEGUARD METALCLAD, 4.16KV, 3PH, 3 WIRE, 60HZ	E-15	433	OPERABLE	1BG501		
1	SR					239	239			
8200	ACTIVE	D12				CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(02)	4KV	201-D12 SAFEGUARD XFMR BREAKER (CB4040)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8201	ACTIVE	D12-BUS-02		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(03)	4KV	"B" RHR SERVICE WATER PUMP 0BP506 152-11603 (CB4021)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8202	ACTIVE	D12-BUS-03		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(04)	4KV	1B RHR PP. 1BP202 152-11604 (CB4004)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8203	ACTIVE	D12-BUS-04		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(05)	4KV	D124 SAFEGUARD LC XFMR 10X202 (CB4002)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8204	ACTIVE	D12-BUS-05		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(07)	4KV	DIESEL GEN 1BG501 (CB4028)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8205	ACTIVE	D12-BUS-07		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A116(08)	4KV	0B ESW PUMP 0BP548 152-11608 (CB4041)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8206	ACTIVE	D12-BUS-08		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1	10A116(09)	4KV	101D12 SAFEGUARD XFMR BREAKER (CB4013)	E-15	433	OPERABLE	1BG501		
1	BR					239	239			
8207	ACTIVE	D12-BUS-09		10A116		CONTROL STRUCTURE	OPERABLE	1BD102		
3	1	10A117	4KV	SWITCHGEAR, SAFEGUARD, METAL CLAD, 4.16KV, 3PH, 3 WIRE, 60HZ	E-15	434	OPERABLE	1CG501		
1	SR					239	239			
8700	ACTIVE	D13				CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(02)	4KV	201-D13 SAFEGUARD XFMR BREAKER (CB4027)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8701	ACTIVE	D13-BUS-02		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(04)	4KV	1C RHR PP. BKR. 1CP202 152-11704 (CB4024)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8702	ACTIVE	D13-BUS-04		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(05)	4KV	D134 SAFEGUARD LC XFMR (CB4006)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8703	ACTIVE	D13-BUS-05		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(07)	4KV	D13 DIESEL GEN 1CG501 (CB4010)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8704	ACTIVE	D13-BUS-07		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(09)	4KV	101-D13 SAFEGUARD XFMR BREAKER (CB4011)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8705	ACTIVE	D13-BUS-09		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A117(11)	4KV	0C EMER SERVICE WATER PUMP 0CP548 (CB4023)	E-15	434	OPERABLE	1CG501		
1	BR					239	239			
8706	ACTIVE	D13-BUS-11		10A117		CONTROL STRUCTURE	OPERABLE	1CD102		
3	1	10A118	4KV	SWITCHGEAR, SAFEGUARD METAL CLAD, 4.16KV, 3PH, 3 WIRE, 60HZ	E-15	432	OPERABLE	1DG501		
1	SR					239	239			
8300	ACTIVE	D14				CONTROL STRUCTURE	OPERABLE	1DD102		
3	1	10A118(02)	4KV	201-D14 SAFEGUARD XFMR BREAKER (CB4029)	E-15	432	OPERABLE	1DG501		
1	BR					239	239			
8301	ACTIVE	D14-BUS-02		10A118		CONTROL STRUCTURE	OPERABLE	1DD102		
3	1	10A118(04)	4KV	1D RHR PP BREAKER 1DP202 (CB4018)	E-15	432	OPERABLE	1DG501		
1	BR					239	239			
8302	ACTIVE	D14-BUS-04		10A118		CONTROL STRUCTURE	OPERABLE	1DD102		
3	1	10A118(05)	4KV	D144 SAFEGUARD LC XFMR (CB4026)	E-15	432	OPERABLE	1DG501		
1	BR					239	239			
8303	ACTIVE	D14-BUS-05		10A118		CONTROL STRUCTURE	OPERABLE	1DD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8304	1 BR ACTIVE	10A118(07) D14-BUS-07	4KV	D14 DIESEL GEN 1DG501 (CB4022) 10A118	E-15	432 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1DG501 1DD102		
3 1 8305	1 BR ACTIVE	10A118(09) D14-BUS-09	4KV	101-D14 SAFEGUARD XFMR BREAKER (CB4005) 10A118	E-15	432 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1DG501 1DD102		
3 1 8306	1 BR ACTIVE	10A118(11) D14-BUS-11	4KV	0D EMER SERVICE WATER PUMP 0DP548 (CB4003) 10A118	E-15	432 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1DG501 1DD102		
3 1 8120	1 N/A ACTIVE	10B129 D114-G-D	480V 38	GENERATOR AREA 480V MCC (10-B129)	E-28	548 289 TURBINE BUILDING ENCLOSURE	ENERGIZED 269 ENERGIZED	10B201 N/R		
3 1 8109	1 SR ACTIVE	10B201 D114	480V	D114 REACTOR AREA SAFEGUARD LOAD CENTER (10-B201)	E-28	602W 313 REACTOR ENCLOSURE	OPERABLE 313 OPERABLE	10A115, 10X201 1AD102		
3 1 8209	1 S ACTIVE	10B202 D124	480V	REACTOR AREA 480V SAFEGUARD LOAD CENTER 10-B202 ZB	E-28	602E 313 REACTOR ENCLOSURE	OPERABLE 313 OPERABLE	10A116, 10X202 1BD102		
3 1 8708	1 SR ACTIVE	10B203 D134	480V	REACTOR AREA SAFEGUARD LOAD CENTER 10-B203 ZC	E-28	402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	10A117, 10X203 1CD102		
3 1 8308	1 S ACTIVE	10B204 D144	480V	REACTOR AREA 480V SAFEGUARD LOAD CENTER 10-B204 ZD	E-28	506E 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	10A118, 10X204 1DD102		
3 1 8126	1 S ACTIVE	10B211 D114-R-G	480V	REAC AREA SFGD 440V MCC 10-B211 ZA	E-28	304W 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	10B201 N/R		
3 1 8226	1 S ACTIVE	10B212 D124-R-G	480V	D124-R-G REACTOR AREA SAFEGUARD 480V MCC 00-B520 ZB	E-28	304E 217 REACTOR ENCLOSURE	OPERABLE 268 OPERABLE	10B202 N/R		
3 1 8122	1 S ACTIVE	10B213 D114-R-C	480V	D114-R-C REACTOR AREA SAFEGUARD 480V MOTOR CONTROL CENTER	E-28	506W 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	10B201 N/R		
3 1 8222	1 S ACTIVE	10B214 D124-R-C	480V	D124-R-C REACTOR AREA SAFEGUARD 480V MCC 10-B214 ZB	E-28	506E 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	10B202 N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8127	1 S ACTIVE	10B215 D114-R-G1	480V	REACTOR AREA SAFEGUARD 440V MCC 10-B215 ZA	E-28	304 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	10B211 N/R		
3 1 8227	1 S ACTIVE	10B216 D124-R-G1	480V	REACTOR AREA SFGD 440V MCC 10-B216 ZB	E-28	304E 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	10B212 N/R		
3 1 8716	1 S ACTIVE	10B217 D134-R-H	480V	D134-R-H REACTOR AREA SAFEGUARD 480V MCC 10-B217 ZC	E-28	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	10B203 N/R		
3 1 8316	1 S ACTIVE	10B218 D144-R-H	480V	D144-R-H REACTOR AREA SAFEGUARD 480V MCC 10-B218 ZD	E-28	207 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	10B204 N/R		
3 1 8123	1 S ACTIVE	10B219 D114-R-C1	480V	D114-R-C1 REACTOR AREA SFGD 440V MCC 10-B219 ZA	E-28	602 313 REACTOR ENCLOSURE	OPERABLE 313 OPERABLE	10B213 N/R		
3 1 8223	1 S ACTIVE	10B220 D124-R-C1	480V	D124-R-C1 REACTOR AREA SFGD 440V MCC 10-B220 ZB	E-28	602 313 REACTOR ENCLOSURE	OPERABLE 313 OPERABLE	10B214 N/R		
3 1 8718	1 S ACTIVE	10B223 D134-R-E	480V	D134-R-E REACTOR AREA SAFEGUARD 480V MCC 10-B223 ZC	E-28	402 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	10B203 N/R		
3 1 8318	1 S ACTIVE	10B224 D114-R-E	480V	D144-R-E REACTOR AREA SFGD 480V MCC 10-B224 ZD	E-28	402E 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	10B204 N/R		
3 1 8124	1 S ACTIVE	10B515 D114-D-G	480V	D114-D-G DIESEL GEN AREA SAFEGUARD 480V MCC 10-B515 ZA	E-28	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	10B201 N/R		
3 1 8224	1 S ACTIVE	10B516 D124-D-G	480V	D124-D-G DIESEL GEN AREA SAFEGUARD 480V MCC 10-B516 ZB	E-28	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	10B202 N/R		
3 1 8717	1 S ACTIVE	10B517 D134-D-G	480V	D134-D-G DIESEL GEN AREA SAFEGUARD 480V MCC 10-B517 ZC	E-28	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	10B203 N/R		
3 1 8317	1 S ACTIVE	10B518 D144-D-G	480V	D144-D-G DIESEL GEN AREA SAFEGUARD 480V MCC 10-B518 ZD	E-28	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	10B204 N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9100	16 S PASSIVE	10C001 10-C001	N/A	DIVISION I CORE SPRAY SYSTEM INSTRUMENT RACK	N/A	304W 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9101	16 S PASSIVE	10C004 10-C004	N/A	RX WATER LEVEL & PRESSURE INST RACK - LOCATED BEHIND THE HCU'S	N/A	402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 9102	16 S PASSIVE	10C005 10-C005	N/A	DIVISION III REACTOR VESSEL LEVEL & PRESSURE INSTRUMENT RACK	N/A	402E, 402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 9103	16 S PASSIVE	10C014 10-C014	N/A	DIVISION II HIGH PRESSURE COOLANT INJECTION INSTRUMENT RACK	N/A	109 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9104	16 S PASSIVE	10C016 10-C016	N/A	HPCI LEAK DETECTION LOCAL RACK	N/A	304W 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9105	16 S PASSIVE	10C017 10-C017	N/A	DIVISION I REACTOR CORE ISOLATION COOLING INSTRUMENT RACK	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9106	16 S PASSIVE	10C018 10-C018	N/A	RESIDUAL HEAT REMOVAL INSTRUMENT RACK	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9107	16 S PASSIVE	10C019 10-C019	N/A	DIVISION II CORE SPRAY SYSTEM INSTRUMENT RACK	N/A	304 217 CONTROL STRUCTURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9108	16 S PASSIVE	10C021 10-C021	N/A	RESIDUAL HEAT REMOVAL INSTRUMENT RACK	N/A	207 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9109	16 S PASSIVE	10C026 10-C026	N/A	RPV LEVEL AND PRESSURE INSTRUMENT RACK	N/A	402E, 402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 9110	16 S PASSIVE	10C027 10-C027	N/A	LOCATED BEHIND THE HCU'S NEXT TO THE DRYWELL PERSONNEL ENTRANCE	N/A	402E 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 9111	16 S PASSIVE	10C035 10-C035	N/A	DIVISION I RCIC LEAK DETECTION INSTRUMENT RACK	N/A	304E 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	16	10C036	N/A	DIVISION II HPCI LEAK DETECTION INSTRUMENT RACK	N/A	304W	OPERABLE	N/A		
1	S					217	217			
9112	PASSIVE	10-C036				REACTOR ENCLOSURE	OPERABLE	N/A		
3	16	10C038	N/A	DIVISION III RCIC LEAK DETECTION INSTRUMENT RACK	N/A	304E	OPERABLE	N/A		
1	S					217	217			
9113	PASSIVE	10-C038				REACTOR ENCLOSURE	OPERABLE	N/A		
3	16	10C075	N/A	DIV 1 RHR & DIV 1 ADS LOCAL RACK	N/A	200	OPERABLE	N/A		
1	S					201	201			
9114	PASSIVE	10-C075				REACTOR ENCLOSURE	OPERABLE	N/A		
3	16	10C076	N/A	DIV 2 RHR & DIV 3 ADS LOCAL RACK	N/A	118	OPERABLE	N/A		
1	S					177	177			
9115	PASSIVE	10-C076				REACTOR ENCLOSURE	OPERABLE	N/A		
3	16	10C077	N/A	DIV 3 RHR & DIV 1 ADS LOCAL RACK	N/A	200	OPERABLE	N/A		
1	S					201	201			
9116	PASSIVE	10-C077				REACTOR ENCLOSURE	OPERABLE	N/A		
3	16	10C078	N/A	DIV 4 RHR & DIV 3 ADS LOCAL RACK	N/A	118	OPERABLE	N/A		
1	S					177	177			
9117	PASSIVE	10-C078				REACTOR ENCLOSURE	OPERABLE	N/A		
3	18	10C201	N/A	REMOTE SHUTDOWN VERTICAL BOARD	N/A	540	OPERABLE	N/A		
1	S					289	289			
9118	PASSIVE	10-C201				CONTROL STRUCTURE	OPERABLE	N/A		
3	18	10C601	N/A	PANEL RX & CONTAINMENT COOLING & ISOLATION VERTICAL BRD NUC BLR	N/A	533	OPERABLE	N/A		
1	S					269	269			
9119	PASSIVE	10-C601				CONTROL STRUCTURE	OPERABLE	N/A		
3	18	10C603	N/A	REACTOR CONTROL CONSOLE	N/A	533	OPERABLE	N/A		
1	S					269	269			
9160	PASSIVE	10-C603				CONTROL STRUCTURE	OPERABLE	N/A		
3	18	10C606	N/A	"A" Rad Monitor Instrument Panel RPS A1 & A2	N/A	542	OPERABLE	N/A		
1	S					289	289			
9120	PASSIVE	10-C606				CONTROL STRUCTURE	OPERABLE	N/A		
3	18	10C608	LPRM	POWER RANGE NEUTRON MONITORING VERTI	E-120	542	OPERABLE	N/A		
1	SR					289	289			
1107	ACTIVE	10-C608	35			CONTROL STRUCTURE	OPERABLE	N/A		
3	18	10C609	N/A	RPS CHANNEL "A" VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9121	PASSIVE	10-C609				CONTROL STRUCTURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1B	10C612	N/A	FEEDWATER AND RECIRCULATION INSTRUMENT RACK	N/A	542	OPERABLE	N/A		
1	S					289	289			
9122	PASSIVE	10-C612				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C613	N/A	PROCESS INSTRUMENTATION CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9123	PASSIVE	10-C613				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C617	N/A	DIVISION I RHR RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9124	PASSIVE	10-C617				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C618	N/A	DIVISION II RHR RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9125	PASSIVE	10-C618				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C620	N/A	HPCI RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9126	PASSIVE	10-C620				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C621	N/A	RCIC RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9127	PASSIVE	10-C621				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C622	N/A	PRIMARY CONTAINMENT INBOARD VALVE RELAY VERT BOARD PANEL	N/A	542	OPERABLE	N/A		
1	S					289	289			
9128	PASSIVE	10-C622				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C623	N/A	PRIMARY CONTAINMENT OUTBOARD VALVE RELAY VERT BOARD PANEL	N/A	542	OPERABLE	N/A		
1	S					289	289			
9129	PASSIVE	10-C623				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C626	N/A	ADS & MSIV LEAKAGE CONTROL	N/A	533	OPERABLE	N/A		
1	S					269	269			
9130	PASSIVE	10-C626				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C628	N/A	DIV I AUTO DEPRESS RELAY VERTICAL BO	N/A	542	OPERABLE	N/A		
1	S					289	289			
9131	PASSIVE	10-C628				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C631	N/A	DIV III AUTO DEPRESS RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9132	PASSIVE	10-C631				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C633	N/A	"B" Rad Monitoring Instrument Panel RPS B2 & B1	N/A	542	OPERABLE	N/A		
1	S					289	289			
9133	PASSIVE	10-C633				CONTROL STRUCTURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1B	10C640	N/A	DIVISION III, RHR & CORE SPRAY RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9134	PASSIVE	10-C640				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C641	N/A	DIVISION IV, RHR & CORE SPRAY RELAY VERTICAL BOARD	N/A	542	OPERABLE	N/A		
1	S					289	289			
9135	PASSIVE	10-C641				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C644	N/A	MSIV LEAKAGE CONTROLDIV II	N/A	542	OPERABLE	N/A		
1	S					289	289			
9136	PASSIVE	10-C644				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C646	N/A	MSIV LEAKAGE CONTROL DIV II	N/A	542	OPERABLE	N/A		
1	S					289	289			
9161	PASSIVE	10-C646				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C647	N/A	PANEL HPCI VERTICAL BOARD	N/A	533	OPERABLE	N/A		
1	S					269	269			
9137	PASSIVE	10-C647				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C648	N/A	RCIC VERTICAL BOARD	N/A	533	OPERABLE	N/A		
1	S					269	269			
9138	PASSIVE	10-C648				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C649	LPRM	ROD STATUS DISPLAY VERTICAL BOARD	C51-1080-E	533	OPERABLE	N/A		
1	S					269	269			
1108	ACTIVE	10-C649	29			CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C679	N/A	PROCESS INSTRUMENTATION PANEL	N/A	542	OPERABLE	N/A		
1	S					289	289			
9139	PASSIVE	10-C679				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C681	N/A	HEATING AND VENTILATING CONSOLE	N/A	533	OPERABLE	N/A		
1	S					269	269			
9140	PASSIVE	10-C681				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C689	N/A	PANEL LOOSE PARTS MONITORING SYSTEM CABINET UNIT 1	N/A	533	OPERABLE	N/A		
1	S					269	269			
9163	PASSIVE	10-C689				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C690	N/A	G PANEL SAFETY RELIEF VALVE POSITION INDICATION PANEL	N/A	533	OPERABLE	N/A		
1	S					269	269			
9164	PASSIVE	10-C690				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C730	N/A	CONDENSATE & AUX.TERMINAL CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9165	PASSIVE	10-C730				CONTROL STRUCTURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1B	10C787	LPRM	POWER RANGE TERMINAL CABINET	E-120	542	OPERABLE	N/A		
1	S					289	289			
1106	PASSIVE	10-C787				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C788	N/A	PANEL PROC RAD MON JETPUMP & OUTBD VLVS. TERMINAL CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9167	PASSIVE	10-C788				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C790	N/A	PANEL RADIATION MONITORING CH B TERMINAL CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9168	PASSIVE	10-C790				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C791	N/A	DIVISION I ECCS TERMINAL CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9169	PASSIVE	10-C791				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C792	N/A	DIVISION II ECCS TERMINAL CABINET	N/A	542	OPERABLE	N/A		
1	S					289	289			
9172	PASSIVE	10-C792				CONTROL STRUCTURE	OPERABLE	N/A		
3	1B	10C793	N/A	INBOARD VALVE & CRD POSITION TERMINAL CABINET PANEL	N/A	542	OPERABLE	N/A		
1	S					289	289			
9175	PASSIVE	10-C793				CONTROL STRUCTURE	OPERABLE	N/A		
3	1	10D201	DC	250V DC MCC 10-D201	E-33, Sht 1	304W	OPERABLE	1AD105		
1	S					217	217			
8118	ACTIVE	1DA				REACTOR ENCLOSURE	OPERABLE	N/R		
3	1	10D202	DC	REACTOR ENCLOSURE 250V DC MOTOR CONTROL CENTER 10-D202 ZB	E-33, Sht 2	304E	OPERABLE	1BD105		
1	S					217	217			
8218	ACTIVE	1DB-1				REACTOR ENCLOSURE	OPERABLE	N/R		
3	1	10D203	EPS	REACTOR ENCLOSURE 250V DC MOTOR CONTROL CENTER 10-D203 ZB	E-33, SHT 2	304E	OPERABLE	1BD105		
1	S					217	217			
8234	ACTIVE	10-D203				REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	10E209	RCIC	RCIC TURBINE BAROMETRIC CONDENSER	M-50, Sht 1	108	OPERABLE	N/A		
1	S					177	177			
3109	PASSIVE	10-E209				REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	10E210	HPCI	HPCI TURBINE BAROMETRIC CONDENSER	M-56, SHT 1	109	OPERABLE	N/A		
1	S					177	177			
3336	PASSIVE	10-E210				REACTOR ENCLOSURE	OPERABLE	N/A		
1	21	10E212	RCIC	RCIC TURBINE LUBE OIL COOLER	M-50, Sht 1	108	OPERABLE	N/A		
1	B					177	177			
3120	PASSIVE	10-E212		10S212		REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1	21	10E213	HPCI	HPCI TURBINE LUBE OIL COOLER	M-56, SHT 1	109	OPERABLE	N/A		
1	B					177	177			
3338	PASSIVE	10-E213		10S211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	30	10NAD160	EPS	STATIC INVERTER 1AD160 BYPASS/ISOLATION SW	E-32, SHT 1	452	OPERABLE	1AD160		
1	S					254	254			
8141	ACTIVE	10-NAD160				CONTROL STRUCTURE	OPERABLE	N/A		
3	30	10NBD160	EPS	STATIC INVERTER 1BD160 BYPASS/ISOLATION SW	E-32, SHT 1	452	OPERABLE	1BD160		
1	S					254	254			
8239	ACTIVE	10-NBD160				CONTROL STRUCTURE	OPERABLE	N/A		
1	3	10P203	RCIC	RCIC PUMP	M-50, Sht 1	108	OFF	N/R		
1	S					177	177			
3117	ACTIVE	10-P203				REACTOR ENCLOSURE	ON	N/R		
1	3	10P204	HPCI	HPCI BOOSTER PUMP 10P204	M-56, SHT 1	109	OFF	N/A		
1	S					177	177			
3305	ACTIVE	10-P204				REACTOR ENCLOSURE	OPERABLE	N/A		
1	3	10P204	HPCI	HPCI BOOSTER PUMP	M-56, SHT 1	109	OFF	N/A		
1	S					177	177			
3306	ACTIVE	10-P204				REACTOR ENCLOSURE	ON	N/A		
1	3	10P215	HPCI	HPCI VACUUM TANK CONDENSATE PUMP	M-56, SHT 1	109	OFF	1BD202		
1	BR					177	177			
3337	ACTIVE	10-P215		10E210		REACTOR ENCLOSURE	OPERABLE	1BD202		
3	25	10S201	NUCLEAR BOILER	REACTOR VESSEL, 72 FT-6IN HEIGTH, 22FT-6IN DIA	M-41	400	OPERABLE	N/A		
1	S					237	352			
3137	PASSIVE	10-S201				REACTOR ENCLOSURE	OPERABLE	N/A		
1	3	10S211	HPCI	HPCI TURBINE	M-56, SHT 1	109	OFF	N/A		
1	S					177	177			
3331	ACTIVE	10-S211				REACTOR ENCLOSURE	OPERABLE	N/A		
1	3	10S212	RCIC	RCIC TURBINE	M-50, Sht 1	108	OPERABLE	N/R		
1	S					177	177			
3107	ACTIVE	10-S212				REACTOR ENCLOSURE	OPERABLE	N/R		
3	25	10S224	CRD	CRD HYD CONTROL UNIT (TYP OF 185)	M-47, SHT 1	402	OPERABLE	N/R		
1	SR					253	253			
1100	ACTIVE	10-S224	28			REACTOR ENCLOSURE	OPERABLE	N/R		
3	27	10S299	CRD	CONTROL ROD DRIVE (TYP OF 185)	M-47, SHT 1	400	OPERABLE	N/R		
1	S					237	253			
1101	ACTIVE	10-S299				REACTOR ENCLOSURE	OPERABLE	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROE Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	10S400	LPRM	LPRM DETECTOR ASSY	E-120	400	OPERABLE	N/A		
1	B					237	253			
1105	ACTIVE	10-S400	30	10S201		REACTOR ENCLOSURE	OPERABLE	1AY185, 1BY185, 1DY201		
3	18	10TB-053	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311A	OPERABLE	N/A		
1	S					217				
9176	PASSIVE	10-TB-053				DIESEL GENERATOR	OPERABLE	N/A		
3	18	10TB-054	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311B	OPERABLE	N/A		
1	S					217				
9177	PASSIVE	10-TB-054				DIESEL GENERATOR	OPERABLE	N/A		
3	18	10TB-055	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311C	OPERABLE	N/A		
1	S					217				
9178	PASSIVE	10-TB-055				DIESEL GENERATOR	OPERABLE	N/A		
3	18	10TB-056	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311D	OPERABLE	N/A		
1	S					217				
9179	PASSIVE	10-TB-056				DIESEL GENERATOR	OPERABLE	N/A		
3	R	10TB-401	N/A	RACK/PANEL (TERMINAL BOX)	N/A	400	OPERABLE	N/A		
1	N/A					237				
9180	PASSIVE	10-TB-401				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	10TB-402	N/A	RACK/PANEL (TERMINAL BOX)	N/A	400	OPERABLE	N/A		
1	N/A					237				
9181	PASSIVE	10-TB-402				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	10TB-405	N/A	RACK/PANEL (TERMINAL BOX)	N/A	400	OPERABLE	N/A		
1	N/A					237				
9182	PASSIVE	10-TB-405				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	10TB-406	N/A	RACK/PANEL (TERMINAL BOX)	N/A	400	OPERABLE	N/A		
1	N/A					237				
9183	PASSIVE	10-TB-406				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	10TB-407	N/A	RACK/PANEL (TERMINAL BOX)	N/A	400	OPERABLE	N/A		
1	N/A					237				
9184	PASSIVE	10-TB-407				REACTOR ENCLOSURE	OPERABLE	N/A		
3	18	10TB-HPCIEGM	N/A	INSTRUMENT PANEL	N/A	109	OPERABLE	N/A		
1	BR					177				
9141	ACTIVE	10-TB-HPCIEGM		10S211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	18	10TB-HPCITERM	N/A	INSTRUMENT PANEL	N/A	109	OPERABLE	N/A		
1	BR					177				
9142	ACTIVE	10-TB-HPCITERM		10S211		REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	18	10TB-RCICEGM	N/A	INSTRUMENT PANEL	N/A	108	OPERABLE	N/A		
1	BR					177				
9143	ACTIVE	10-TB-RCICEGM		10S212		REACTOR ENCLOSURE	OPERABLE	N/A		
3	18	10TB-RCICTERM	N/A	INSTRUMENT PANEL	N/A	108	OPERABLE	N/A		
1	BR					177				
9185	ACTIVE	10-TB-RCICTERM		10S212		REACTOR ENCLOSURE	OPERABLE	N/A		
3	2	10X106	120V AC	DIVISION I 4KV SWITCHGEAR ROOM 120V AC INSTRUMENT PANEL 10Y101 XFMR	E-30, Sht 3	435	OPERABLE	10B211		
1	S					239	239			
8131	ACTIVE	10-X106				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X107	120V AC	DIV II 4KV SWGR RM 120V AC INSTR PANEL 10Y102 XFMR	E-30, Sht 3	433	OPERABLE	10B212		
1	S					239	239			
8228	ACTIVE	10-X107				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X108	120V AC	DIVISION III 4KV SWITCHGEAR ROOM 120V AC INSTRUMENT PANEL 10Y103 XFMR	E-30, Sht 3	434	OPERABLE	10B223		
1	S					239	239			
8721	ACTIVE	10-X108				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X109	120V AC	DIVISION IV 4KV SWITCHGEAR ROOM 120V AC INSTRUMENT PANEL	E-30, Sht 3	432	OPERABLE	10B224		
1	S					239	239			
8321	ACTIVE	10-X109				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X110	120V AC	TURB AREA 120V AC INSTR PNL 10Y105 XFMR	E-30, Sht 1	438	OPERABLE	10B129		
1	N/A					239	239			
8134	ACTIVE	10-X110	36			TURBINE BUILDING ENCLOSURE	OPERABLE	N/R		
3	2	10X182	120V AC	A MAIN CONTROL ROOM STRUCTURE HVAC 120V AC DISTRIBUTION PANEL XFMR	E-26, Sht 1	619W	OPERABLE	00B131		
1	S					304	304			
8723	ACTIVE	10-X182				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X183	120V AC	B MAIN CONTROL ROOM STRUCTURE HVAC 120V AC DIST. PANEL XFMR	E-26, Sht 1	619	OPERABLE	00B132		
1	S					304	304			
8322	ACTIVE	10-X183				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X201	480V	4KV - 480V TRANSFORMER	E-28	602W	OPERABLE	10A115		
1	S					313				
8108	ACTIVE	D114_XFMR				REACTOR ENCLOSURE	OPERABLE	N/R		
3	2	10X202	4KV	4KV - 480V SAFEGUARD LOAD CENTER TRANSFORMER	E-28	602E	OPERABLE	10A116		
1	S					313				
8208	ACTIVE	D124_XFMR				REACTOR ENCLOSURE	OPERABLE	N/R		
3	2	10X203	4KV	4KV - 480V TRANSFORMER	E-28	402	OPERABLE	10A117		
1	S					253				
8707	ACTIVE	D134_XFMR				REACTOR ENCLOSURE	OPERABLE	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	2	10X204	4KV	4KV - 480V TRANSFORMER	E-28	506E	OPERABLE	10A118		
1	S					283				
8307	ACTIVE	D144_XFMR				REACTOR ENCLOSURE	OPERABLE	N/R		
3	2	10X207	EPS	REAC AREA 120V INSTR PNL 10Y201 XFMR	E-30, SHT 1	506E	OPERABLE	10B223		
1	S					283	283			
8325	ACTIVE	10-X207				REACTOR ENCLOSURE	OPERABLE	N/A		
3	2	10X281	120V AC	A REACTOR ENCLOSURE HVAC 120V AC DISTRIBUTION PANEL TRANSFORMER	E-26, Sht 1	619W	OPERABLE	10B213		
1	S					304	304			
8136	ACTIVE	10-X281				CONTROL STRUCTURE	OPERABLE	N/R		
3	2	10X282	120V AC	B REACTOR ENCLOSURE HVAC 120V AC DISTRIBUTION PANEL TRANSFORMER	E-26, Sht 1	619	OPERABLE	10B214		
1	S					304	304			
8232	ACTIVE	10-X282				CONTROL STRUCTURE	OPERABLE	N/R		
3	12	10Y101	120V AC	DIV. I S.F.G.D 120 VAC INST. PANEL 10Y101 SERVICE DISC.	E-30, Sht 3	435	ENERGIZED	10B211, 10X106		
1	S					239	239			
8132	ACTIVE	10-Y101				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y102	120V AC	DIV. II S.F.G.D. 120 VAC INST. PANEL 10Y102 SERVICE DISC.	E-30, Sht 3	433	ENERGIZED	10B212, 10X107		
1	S					239	239			
8230	ACTIVE	10-Y102				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y103	120V AC	DIV. III S.F.G.D 120 VAC INST. PANEL 10Y103 SERVICE DISC.	E-30, Sht 3	434	ENERGIZED	10B223, 10X108		
1	S					239	239			
8720	ACTIVE	10-Y103				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y104	120V AC	DIV. IV S.F.G.D 120 VAC INST. PANEL 10Y104 SERVICE DISC.	E-30, Sht 3	432	ENERGIZED	10B224, 10X109		
1	S					239	239			
8320	ACTIVE	10-Y104				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y105	120V AC	TURBINE ENCLOSURE 120V AC INSTRUMENT PANEL	E-30, Sht 1	438	ENERGIZED	10B129, 10X110		
1	N/A					239	239			
8133	ACTIVE	10-Y105	36			TURBINE BUILDING ENCLOSURE	ENERGIZED	N/R		
3	12	10Y163	120V AC	A MAIN CONTROL ROOM STRUCTURE HVAC 120V AC DISTRIBUTION PANEL	E-26, Sht 1	619W	ENERGIZED	00B131, 10X182		
1	S					304	304			
8722	ACTIVE	10-Y163				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y164	120V AC	B MAIN CONTROL ROOM STURCTURE HVAC 120V AC DISTRIBUTION PANEL	E-26, Sht 1	619E	ENERGIZED	00B132, 10X183		
1	S					304	304			
8323	ACTIVE	10-Y164				CONTROL STRUCTURE	ENERGIZED	N/R		
3	12	10Y201	EPS	REACTOR ENCLOSURE 120V AC INSTRUMENT PANEL	E-30, SHT 1	506E	OPERABLE	10X207		
1	S					283	283			
8324	ACTIVE	10-Y201				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8135	12 S ACTIVE	10Y206 10-Y206	120V AC	A REACTOR ENCLOSURE HVAC 120V AC DISTRIBUTION PANEL	E-26, Sht 1	619W 304 CONTROL STRUCTURE	ENERGIZED 304 ENERGIZED	10B213, 10X281 N/R		
3 1 8233	12 S ACTIVE	10Y207 10-Y207	120V AC	B REACTOR ENCLOSURE HVAC 120V AC DISTRIBUTION PANEL	E-26, Sht 1	619E 304 CONTROL STRUCTURE	ENERGIZED 283 ENERGIZED	10B214, 10X282 N/R		
1 Common 5570	R N/A PASSIVE	11-0033A 011-0033A	ESW	CONTROL ROOM CHILLER A U/2 SW LOOP A SUPPLY CHECK VALVE	M-11, Sht 2	258A 200 CONTROL STRUCTURE	OPERABLE 200 OPERABLE	N/A N/A		
2 Common 5644	R N/A PASSIVE	11-0033B 011-0033B	ESW	CONTROL RM CHILLER 'B' U/2 SW LOOP B SUPPLY CHECK VALVE	M-11, Sht 2	263A 200 CONTROL STRUCTURE	OPERABLE 200 OPERABLE	N/A N/A		
2 Common 5633	R N/A PASSIVE	11-0062 011-0062	ESW	SW SUPPLY TO HPCI ROOM COOLERS	M-11, Sht 1	203 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 Common 5589	R N/A PASSIVE	11-0063 011-0063	ESW	EMERGENCY SERVICE WATER SUPPLY TO UNIT COOLERS 2AV-208 & 2BV-208	M-11, Sht 5	281 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 1 5533	R N/A PASSIVE	11-1011 011-1011	ESW	NORMAL SW SUPPLY TO PUMP ROOM COOLER	M-11, Sht 2	NR	OPERABLE 201 OPERABLE	N/A N/A		
2 1 5639	R N/A PASSIVE	11-1012 011-1012	ESW	NORMAL SW SUPPLY TO PUMP ROOM COOLER	M-11, Sht 3	207 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
2 1 5852	R N/A PASSIVE	11-1044 011-1044	ESW	ESW TO REACTOR ENCLOSURE HTX'S	M-11, Sht 3	NR REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 Common 5579	R N/A PASSIVE	11-2011 011-2011	ESW	NORMAL SW SUPPLY TO PUMP ROOM COOLER	M-11, Sht 4	284 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 1 4513	R N/A PASSIVE	12-1009 012-1009	RHRSW	ESW 'B' RETURN FROM UNIT 1 TECW HX CK VLV	M-12	NR REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 8113	13 S ACTIVE	1A1D101 1A1_BATTERY	DC	125V DC BATTERY	E-33, Sht 1	436 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8110	14 S ACTIVE	1A1D103 1BCA1	DC	125V DC BATTERY CHARGER 1A1D103 (1E-A, D114-R-G-36)	E-33, Sht 1	436 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	10B211 N/R		
1 1 4100, 4700	32 S PASSIVE	1A1F211 1A1F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 1	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
1 1 5101	32 B PASSIVE	1A1F575 N/A	SDG	FUEL OIL FILTER 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5117	10 S PASSIVE	1A1K513 1A1K513	FUEL OIL TRANSFER	A DIESEL GENERATOR STARTING AIR COMPRESSOR A1	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R N/R		
1 1 5116	19 S PASSIVE	1A1T558 1A1T558	FUEL OIL TRANSFER	A DIESEL GENERATOR STARTING AIR RESERVOIR A1	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 221 OPERABLE	N/A N/A		
3 1 8112	13 S ACTIVE	1A2D101 1A2_BATTERY	DC	125V DC BATTERY	E-33, Sht 1	436 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	N/R N/R		
3 1 8111	14 S ACTIVE	1A2D103 1BCA2	DC	125V DC BATTERY CHARGER 1A2D103 (1E-A, D114-R-G-37)	E-33, Sht 1	436 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	10B211 N/R		
1 1 4101, 4701	32 S PASSIVE	1A2F211 1A2F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 1	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
1 1 5104	32 B PASSIVE	1A2F575 N/A	SDG	FUEL OIL FILTER 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5119	10 S PASSIVE	1A2K513 1A2K513	FUEL OIL TRANSFER	A DIESEL GENERATOR STARTING AIR COMPRESSOR A2	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R N/R		
1 1 5118	19 S PASSIVE	1A2T558 1A2T558	FUEL OIL TRANSFER	A DIESEL GENERATOR STARTING AIR RESERVOIR A2	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9144	18 S PASSIVE	1AC208 1A-C208	N/A	UNIT COOLERS CONTROL PANEL	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEF PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 / 1 / 8140	1B / S / ACTIVE	1AC248 / 1A-C248	EPS	1A REACTOR PROTECTION SYSTEM BREAKER PANEL	E-32, SHT 1	452 / 254 / CONTROL STRUCTURE	OPERABLE / 254 / OPERABLE	10NAD160 / N/A		
3 / 1 / 9186	1B / S / PASSIVE	1AC466 / 1A-C466	N/A	DIVISION I ERFDS MULTIPLEXER CABINET	N/A	533 / 269 / CONTROL STRUCTURE	OPERABLE / 269 / OPERABLE	N/A / N/A		
3 / 1 / 9187	1B / S / PASSIVE	1AC514 / 1A-C514	N/A	A DIESEL GENERATOR ELEC INSTR CONTROL BOARD	N/A	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
3 / 1 / 9145	1B / S / PASSIVE	1AC563 / 1A-C563	N/A	DIESEL GENERATOR ENCLOSURE HVAC CONTROL PANEL	N/A	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 225'-8" / OPERABLE	N/A / N/A		
3 / 1 / 8116	1B / S / ACTIVE	1AC661 / 1A-C661	4KV	PANEL A-SAFEGUARD SYSTEM VERTICAL BOARD	E-33, Sht 1	533 / 269 / CONTROL STRUCTURE	OPERABLE / 269 / OPERABLE	1AD105 / N/R		
3 / 1 / 9189	1B / S / PASSIVE	1AC696 / 1A-C696	N/A	1A CLG WTR. SUPPLY VLV. HV-57-110A	N/A	533 / 269 / CONTROL STRUCTURE	OPERABLE / 269 / OPERABLE	N/A / N/A		
3 / 1 / 8119	1E / S / ACTIVE	1AD102 / 1PPA1	DC	TURBINE ENCLOSURE 125V DC POWER DISTRIBUTION PANEL 1AD102	E-33, Sht 1	435 / 239 / CONTROL STRUCTURE	OPERABLE / 239 / OPERABLE	1AD105 / N/R		
3 / 1 / 8117	1B / S / ACTIVE	1AD104 / 1A	DC	125/250V DC GROUND DETECTION CABINET 1AD104 (1E-A SAFEGUARD)	E-33, Sht 1	436 / 239 / CONTROL STRUCTURE	OPERABLE / 239 / OPERABLE	1AD105 / N/R		
3 / 1 / 8114	1E / S / ACTIVE	1AD105 / 1FA	DC	125/250V DC FUSE BOX 1AD105 (1E-A)	E-33, Sht 1	436 / 239 / CONTROL STRUCTURE	OPERABLE / 239 / OPERABLE	1A1D101, / N/R		
3 / 1 / 8115	1B / S / ACTIVE	1AD106 / 1A-D106	DC	125/250V DC CURRENT TRANSDUCER PANEL	E-33, Sht 1	435 / 239 / CONTROL STRUCTURE	OPERABLE / 239 / OPERABLE	1AD105 / N/R		
3 / 1 / 8142	1A / S / ACTIVE	1AD160 / 1A-D160	EPS	A RPS & UPS DISTRIBUTION PANEL STATIC INVERTER	E-32, SHT 1	452 / 254 / CONTROL STRUCTURE	OPERABLE / 254 / OPERABLE	10D201 / N/A		
3 / 1 / 8121	1E / S / ACTIVE	1AD162 / 1PPA3	DC	125V DC PWR DISTRIBUTION PANEL 1A-D162	E-33, Sht 1	435 / 239 / CONTROL STRUCTURE	OPERABLE / 239 / OPERABLE	1AD105 / N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	14	1AD185	EPS	A APRM UPS INVERTER (ALTERNATE FEED:1AY160-03)	E-32, SHT 2	542	OPERABLE	1AY160		
1	N/A					289	289			
8138	ACTIVE	1A-D185	36			CONTROL STRUCTURE	OPERABLE	N/A		
3	12	1AD501	DC	DIESEL GENERATOR 125V DC POWER DISTRIBUTION PANEL 1AD501 ZA	E-33, Sht 1	311A	OPERABLE	1AD105		
1	S					217	217			
8120	ACTIVE	1PPA2				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/R		
1	19	1AE205	RHR	A RESIDUAL HEAT REMOVAL HEAT EXCHANGER	M-51, Sht 2	102	OPERABLE	N/A	RHRSW	M-12
1	S					177	177			
4117, 4314, 4506, 4713	PASSIVE	1A-E205				REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	1AE218	ESW	A RHR PUMP SEAL COOLER	M-11, Sht 2	102	OPERABLE	N/A		
1	B					177	177			
5542	PASSIVE	1A-E218		1AP202		REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	1AE220	ESW	A RHR PUMP MOTOR OIL COOLER	M-11, Sht 2	102	OPERABLE	N/A		
1	B					177	177			
5542	PASSIVE	1A-E220		1AP202		REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	1AE506	4KV & DIESEL GEN.	A DIESEL GENERATOR LUBE OIL COOLER	M-11, Sht 1	311A	OPERABLE	N/A		
1	B					217	217			
5504	PASSIVE	1A-E506		1AG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	20	1AE507	4KV & DIESEL GEN.	A DIESEL GENERATOR JACKET WATER HEAT EXCHANGER	M-11, Sht 1	311A	OPERABLE	N/A		
1	B					217	217			
5505	PASSIVE	1A-E507		1AG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	20	1AE586	4KV & DIESEL GEN.	A DIESEL GENERATOR INTERCOOLER WATER HEAT EXCHANGER DIESEL GEN	M-11, Sht 1	311A	OPERABLE	N/A		
1	B					217	217			
5503	PASSIVE	1A-E586		1AG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	32	1AF574	FUEL OIL TRANSFER	A DIESEL ENGINE INLET AIR FILTER	M-20, Sht 3	311A	OPERABLE	N/A	DGEV	M-81 Sh. 1
1	S					217	217			
5113	PASSIVE	1A-F574				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	15	1AG501	4KV SYS & DIESEL GEN	DIESEL GENERATOR ENGINE	M-20, Sht 3	311A	OPERABLE	N/R	ESW, DGEV	M-11, Sh. 1; M-81,
1	SR					217	217			
5100	ACTIVE	1A-G501-DR				DIESEL GENERATOR ENCLOSURE	OPERABLE	1AD102, 1AD501		
3	18	1AG502	N/A	D11 DIESEL GENERATOR POT TRANS AND EXCITATION EQUIPMENT	N/A	311A	OPERABLE	N/A		
1	S					217	217			
9190	PASSIVE	1A-G502				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	25	1AP201	NUCLEAR BOILER	1A RECIRC PUMP	M-43	400	OPERABLE	N/R		
1	S					237	253			
3138	PASSIVE	1A-P201				REACTOR ENCLOSURE	N/A	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 4104, 4305, 4704	4 SR ACTIVE	1AP202 1A-P202	RHR	1A RESIDUAL HEAT REMOVAL (RHR) PUMP	M-51, Sht 1	102 177 REACTOR ENCLOSURE	OFF 177 ON	10A115 10A115, 1AD102	ESW, REV	M-11; M-76
1 1 5109	4 SR ACTIVE	1AP514 1A-P514	FUEL OIL TRANSFER	A DIESEL GENERATOR DIESEL OIL TRANSFER PUMP	M-20, Sht 3	YARD N/A YARD	OFF 208 ON	10B515 10B515		
1 1 5102	3 B ACTIVE	1AP537 1A-P537	FUEL OIL STORAGE	A DIESEL GENERATOR FUEL OIL PUMP 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/R N/R		
1 1 5105	3 BR ACTIVE	1AP538 1A-P538	FUEL OIL TRANSFER 6	A DIESEL GENERATOR AUXILIARY FUEL OIL PUMP 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	1AD501 N/R		
1 1 5114	20 S PASSIVE	1AS575 1A-S575	FUEL OIL TRANSFER	A DIESEL GENERATOR EXHAUST SILENCER	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 8146	18 S PASSIVE	1AS921 1A-S921	N/A	MAIN STEAM RELIEF VALVES POSITION TRANSMITTERS/PRE-AMP	N/A	402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
1 1 5110	22 S PASSIVE	1AT527 1A-T527	FUEL OIL TRANSFER	A DIESEL GENERATOR DIESEL OIL STORAGE TANK	M-20, Sht 3	YARD N/A YARD	OPERABLE 198 OPERABLE	N/A N/A		
1 1 5107	19 S PASSIVE	1AT528 1A-T528	FUEL OIL TRANSFER	A DIESEL GENERATOR DAY TANK	M-20, Sht 3	312A 217 DIESEL GENERATOR	OPERABLE 217 OPERABLE	N/A N/A		
1 1 5111	20 B PASSIVE	1AT531 1A-T531	FUEL OIL TRANSFER 6	A DIESEL GENERATOR DIRTY DIESEL FUEL DRAIN TANK 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR	OPERABLE 216 OPERABLE	N/A N/A		
1 1 5112	20 S PASSIVE	1AT564 1A-T564	FUEL OIL TRANSFER	A DIESEL GENERATOR JACKET WATER EXPANSION TANK	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 234 OPERABLE	N/A N/A		
3 1 9223	18 B PASSIVE	1ATB-AG501 1A-TB-AG501	N/A	RACK/PANEL (TERMINAL BOX) 1AG501	N/A	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
3 1 9224	18 B PASSIVE	1ATB-BG501 1A-TB-BG501	N/A	RACK/PANEL (TERMINAL BOX) 1BG501	N/A	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1B	1ATB-CG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311C	OPERABLE	N/A		
1	B					217				
9225	PASSIVE	1A-TB-CG501		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1ATB-DG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311D	OPERABLE	N/A		
1	B					217				
9226	PASSIVE	1A-TB-DG501		1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	R	1ATB001	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9192	PASSIVE	1A-TB001					OPERABLE	N/A		
3	R	1ATB079	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9193	PASSIVE	1A-TB079					OPERABLE	N/A		
3	R	1ATB081	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9194	PASSIVE	1A-TB081					OPERABLE	N/A		
3	R	1ATB094	N/A	TERMINAL BOX - MTD ON WALL NEAR WEST END	N/A	309W	OPERABLE	N/A		
1	N/A					217				
9197	PASSIVE	1A-TB094				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	1ATB095	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9195	PASSIVE	1A-TB095					OPERABLE	N/A		
3	R	1ATB096	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9196	PASSIVE	1A-TB096					OPERABLE	N/A		
3	R	1ATB122	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9198	PASSIVE	1A-TB122					OPERABLE	N/A		
3	1B	1ATB123	N/A	RACK/PANEL (TERMINAL BOX)	N/A	108	OPERABLE	N/A		
1	S					177	177			
9199	PASSIVE	1A-TB123				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	1ATB124	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9200	PASSIVE	1A-TB124					OPERABLE	N/A		
3	R	1ATB125	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9201	PASSIVE	1A-TB125					OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9202	R N/A PASSIVE	1ATB126 1A-TB126	N/A	RACK/PANEL	N/A	NR	OPERABLE OPERABLE	N/A N/A		
1 1 5554	B SR ACTIVE	1AV208 1A-V208	REACTOR ENCL HVAC & SGTS	RCIC PUMP & TURBINE ROOM UNIT COOLER A	M-11, Sht 2	108 190 REACTOR ENCLOSURE	OFF 190 OPERABLE	10B211 10B211		
2 1 5634	B SR ACTIVE	1AV209 1A-V209	REACTOR ENCL HVAC & SGTS	HPCI PUMP & TURBINE ROOM UNIT COOLER A	M-11, Sht 2	109 177 REACTOR ENCLOSURE	OFF 177 OPERABLE	10B212 10B212		
1 1 5534	B SR ACTIVE	1AV210 1A-V210	REACTOR ENCL HVAC & SGTS	A & C RHR PUMP ROOM UNIT COOLER A	M-11, Sht 2	102 191 REACTOR ENCLOSURE	OFF 191 OPERABLE	10B211 10B211		
1 1 5562	B S PASSIVE	1AV211 1A-V211	REACTOR ENCL HVAC & SGTS	A CORE SPRAY PUMP ROOM UNIT COOLER A	M-11, Sht 2	110 190 REACTOR ENCLOSURE	N/A 190 N/A	N/A N/A		
1 1 5900	B SR ACTIVE	1AV512 1A-V512	MISC. STRUCTURES - HVAC	A DIESEL GENERATOR VENTILATION AIR EXHAUST FAN A	M-81, Sht 1	311A 217 DIESEL GENERATOR ENCLOSURE	OFF 217 OPERABLE	10B515 10B515, 10Y101		
3 1 8139	12 S ACTIVE	1AY160 1A-Y160	EPS	A RPS & UPS 120V AC DISTRIBUTION PANEL (ALT FEED:52-40104 &	E-32, SHT 1	542 289 CONTROL STRUCTURE	OPERABLE 289 OPERABLE	1AD160 N/A		
3 1 8137	12 N/A ACTIVE	1AY165 1A-Y165	EPS 36	A AVERAGE POWER RATE MONITOR UPS 120V AC DISTRIBUTION PANEL	E-32, SHT 2	542 289 CONTROL STRUCTURE	OPERABLE 289 OPERABLE	1AD165 N/A		
3 1 8213	13 S ACTIVE	1B1D101 1B1_BATTERY	DC	125V DC BATTERY	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	N/R N/R		
3 1 8210	14 S ACTIVE	1B1D103 1BCB1	DC	125V DC BATTERY CHARGER 1B1D103 (1E-B)	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	10B212 N/R		
2 1 4200, 4400, 4800	32 S PASSIVE	1B1F211 1B1F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 3	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
2 1 5201	32 B PASSIVE	1B1F575 N/A	SDG 6	FUEL OIL FILTER 1BG501	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 1 5217	10 S PASSIVE	1B1K513 1B1K513	FUEL OIL TRANSFER	B DIESEL GENERATOR STARTING AIR COMPRESSOR B1	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R N/R		
2 1 5216	19 S PASSIVE	1B1T558 1B1T558	FUEL OIL TRANSFER	B DIESEL GENERATOR STARTING AIR RESERVOIR B1	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 8212	13 S ACTIVE	1B2D101 1B2_BATTERY	DC	125V DC BATTERY	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	N/R N/R		
3 1 8211	14 S ACTIVE	1B2D103 1BCB2	DC	125V DC BATTERY CHARGER 1B2D103 (1E-B)	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	10B212 N/R		
2 1 4201, 4401, 4801	32 S PASSIVE	1B2F211 1B2F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 3	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
2 1 5204	32 B PASSIVE	1B2F575 N/A	SDG 6	FUEL OIL FILTER 1BG501	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5219	10 S PASSIVE	1B2K513 1B2K513	FUEL OIL TRANSFER	B DIESEL GENERATOR STARTING AIR COMPRESSOR B2	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R N/R		
2 1 5218	19 S PASSIVE	1B2T558 1B2T558	FUEL OIL TRANSFER	B DIESEL GENERATOR STARTING AIR RESERVOIR B2	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9147	18 S PASSIVE	1BC208 1B-C208	N/A	UNIT COOLERS CONTROL PANEL	N/A	207 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 8238	18 S ACTIVE	1BC248 1B-C248	EPS	1B REACTOR PROTECTION SYSTEM BREAKER PANEL	E-32, SHT 1	452 254 CONTROL STRUCTURE	OPERABLE 254 OPERABLE	10NBD160 N/A		
3 1 9203	18 S PASSIVE	1BC467 1B-C467	N/A	DIVISION II ERFDS MULTIPLEXER CABINET	N/A	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A N/A		
3 1 9204	18 S PASSIVE	1BC514 1B-C514	N/A	B DIESEL GENERATOR ELEC INSTR CONTROL BOARD	N/A	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No	Room No / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9148	1B S PASSIVE	1BC563 1B-C563	N/A	DIESEL GENERATOR ENCLOSURE HVAC CONTROL PANEL	N/A	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 225'-8" OPERABLE	N/A N/A		
3 1 8216	1B S ACTIVE	1BC661 1B-C661	4KV	PANEL B-SAFEGUARD SYSTEM VERTICAL BOARD	E-33, Sht 2	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	1BD105 N/R		
3 1 9149	1B S PASSIVE	1BC667 1B-C667	N/A	INSTRUMENT PANEL	N/A	533 269 CONTROL STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 1 8219	12 S ACTIVE	1BD102 1PPB1	DC	TURBINE ENCLOSURE 125V DC POWER DISTRIBUTION PANEL 1BD102 ZB	E-33, Sht 2	452 254 CONTROL STRUCTURE	OPERABLE 254 OPERABLE	1BD105 N/R		
3 1 8217	1B S ACTIVE	1BD104 1B	DC	125/250V DC GROUND DETECTION CABINET 1BD104 (1E-B SAFEGUARD)	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1BD105 N/R		
3 1 8214	12 S ACTIVE	1BD105 1FB	DC	125/250V DC FUSE BOX 1BD105 (1E-B)	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1B1D101. N/R		
3 1 8215	1B S ACTIVE	1BD106 1B-D106	DC	125/250V DC CURRENT TRANSDUCER PANEL	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1BD105 N/R		
3 1 8240	14 S ACTIVE	1BD160 1B-D160	EPS	B RPS & UPS DISTRIBUTION PANEL STATIC INVERTER	E-32, SHT 1	452 254 CONTROL STRUCTURE	OPERABLE 254 OPERABLE	10D203 N/A		
3 1 8221	12 S ACTIVE	1BD162 1PPB3	DC	125V DC DISTRIBUTION PANEL 1B-D162	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1BD105 N/R		
3 1 8236	14 N/A ACTIVE	1BD185 1B-D185	EPS 36	B ARPM UPS INVERTER (ALTERNATE FEED.1BY160-C3)	E-32, SHT 2	542 289 CONTROL STRUCTURE	OPERABLE 289 OPERABLE	1BY160 N/A		
3 1 8220	12 S ACTIVE	1BD501 1PPB2	DC	125V DC DISTRIBUTION PANEL 1B-D501	E-33, Sht 2	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	1BD105 N/R		
2 1 4216, 4416, 4607, 4816	19 S PASSIVE	1BE205 1B-E205	RHR	B RESIDUAL HEAT REMOVAL HEAT EXCHANGER	M-51, Sht 4	103 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A	RHRSW	M-12

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 / 1 / 5663	20 / B / PASSIVE	1BE218 / 1B-E218	ESW / 6	B RHR PUMP SEAL COOLER / 1BP202	M-11, Sht 3	103 / 177 / REACTOR ENCLOSURE	OPERABLE / 177 / OPERABLE	N/A / N/A		
2 / 1 / 5664	20 / B / PASSIVE	1BE220 / 1B-E220	ESW / 6	B RHR PUMP MOTOR OIL COOLER / 1BP202	M-11, Sht 3	103 / 177 / REACTOR ENCLOSURE	OPERABLE / 177 / OPERABLE	N/A / N/A		
2 / 1 / 5619	20 / B / PASSIVE	1BE506 / 1B-E506	4KV & DIESEL GEN	B DIESEL GENERATOR LUBE OIL COOLER / 1BG501	M-11, Sht 1	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
2 / 1 / 5620	20 / B / PASSIVE	1BE507 / 1B-E507	4KV & DIESEL GEN	B DIESEL GENERATOR JACKET WATER HEAT EXCHANGER / 1BG501	M-11, Sht 1	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
2 / 1 / 5621	20 / B / PASSIVE	1BE586 / 1B-E586	4KV & DIESEL GEN	B DIESEL GENERATOR INTERCOOLER WATER HEAT EXCHANGER D22 DIESEL / 1BG501	M-11, Sht	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
2 / 1 / 5213	32 / S / PASSIVE	1BF574 / 1B-F574	FUEL OIL TRANSFER	B DIESEL ENGINE INLET AIR FILTER	M-20, Sht 4	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A	DGEV	M-81, Sh. 1
2 / 1 / 5200	15 / SR / ACTIVE	1BG501 / 1B-G501-DR	4 KV SYS & DIESEL GEN	DIESEL GENERATOR ENGINE	M-20, Sht 4	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/R / 1BD102,1BD501	ESW, DGEV	M-11, Sh. 1; M-81,
3 / 1 / 9206	18 / S / PASSIVE	1BG502 / 1B-G502	N/A	D12 DIESEL GENERATOR POT TRANS AND EXCITATION EQUIPMENT	N/A	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
3 / 1 / 3139	25 / S / PASSIVE	1BP201 / 1B-P201	NUCLEAR BOILER	1B RECIRC PUMP	M-43	400 / 237 / REACTOR ENCLOSURE	OPERABLE / 253 / N/A	N/R / N/R		
2 / 1 / 4203, 4403, 4803	4 / SR / ACTIVE	1BP202 / 1B-P202	RHR	1B RESIDUAL HEAT REMOVAL (RHR) PUMP	M-51, Sht 3	103 / 177 / REACTOR ENCLOSURE	OFF / 177 / ON	10A116 / 10A116, 1BD102	ESW, REV	M-11; M-76
2 / 1 / 5209	4 / SR / ACTIVE	1BP514 / 1B-P514	FUEL OIL TRANSFER	B DIESEL GENERATOR DIESEL OIL TRANSFER PUMP	M-20, Sht 4	YARD / N/A / YARD	OPERABLE / 205 / OPERABLE	10B516 / 10B516		
2 / 1 / 5202	3 / B / ACTIVE	1BP537 / 1B-P537	FUEL OIL STORAGE / 6	B DIESEL GENERATOR FUEL OIL PUMP / 1BG501	M-20, Sht 4	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/R / N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2	3	1BP538	FUEL OIL TRANSFER	B DIESEL GENERATOR AUXILIARY FUEL OIL PUMP	M-20, Sht 4	311B	OPERABLE	1BD501		
1	BR					217	217			
5205	ACTIVE	1B-P538	6	1BG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/R		
2	19	1BS252-1	PCIG	B PCIG/ADS NITROGEN BOTTLES	M-59, SHT 1	304E	OPERABLE	N/A		
1	S					217	217			
6105	PASSIVE	1B-S252-1				REACTOR ENCLOSURE	OPERABLE	N/A		
2	19	1BS252-2	PCIG	B PCIG/ADS NITROGEN BOTTLES	M-59, SHT 1	304E	OPERABLE	N/A		
1	S					217	217			
6106	PASSIVE	1B-S252-2				REACTOR ENCLOSURE	OPERABLE	N/A		
2	19	1BS252-3	PCIG	B PCIG/ADS NITROGEN BOTTLES	M-59, SHT 1	304E	OPERABLE	N/A		
1	S					217	217			
6107	PASSIVE	1B-S252-3				REACTOR ENCLOSURE	OPERABLE	N/A		
2	20	1BS575	FUEL OIL TRANSFER	B DIESEL GENERATOR EXHAUST SILENCER	M-20, Sht 4	311B	OPERABLE	N/A		
1	S					217	217			
5214	PASSIVE	1B-S575				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	18	1BS921	N/A	MAIN STEAM RELIEF VALVES POSITION TRANSMITTERS'PRE-AMP	N/A	402E	OPERABLE	N/A		
1	S					253	253			
9150	PASSIVE	1B-S921				REACTOR ENCLOSURE	OPERABLE	N/A		
2	22	1BT527	FUEL OIL TRANSFER	B DIESEL GENERATOR DIESEL OIL STORAGE TANK	M-20, Sht 4	YARD	OPERABLE	N/A		
1	S					N/A	198			
5210	PASSIVE	1B-T527				YARD	OPERABLE	N/A		
2	19	1BT528	FUEL OIL TRANSFER	B DIESEL GENERATOR DAY TANK	M-20, Sht 4	312B	OPERABLE	N/A		
1	S					217	220			
5207	PASSIVE	1B-T528				DIESEL GENERATOR	OPERABLE	N/A		
2	20	1BT531	FUEL OIL TRANSFER	B DIESEL GENERATOR DIRTY DIESEL FUEL DRAIN TANK	M-20, Sht 4	311B	OPERABLE	N/A		
1	B					217	217			
5211	PASSIVE	1B-T531	6	1BG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	20	1BT564	FUEL OIL TRANSFER	B DIESEL GENERATOR JACKET WATER EXPANSION TANK	M-20, Sht 4	311B	OPERABLE	N/A		
1	S					217	234			
5212	PASSIVE	1B-T564				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	18	1BTB-AG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311A	OPERABLE	N/A		
1	B					217				
9227	PASSIVE	1B-TB-AG501		1AG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	18	1BTB-BG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311B	OPERABLE	N/A		
1	B					217				
9228	PASSIVE	1B-TB-BG501		1BG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9229	1B B PASSIVE	1BTB-CG501 1B-TB-CG501	N/A	RACK/PANEL (TERMINAL BOX) 1CG501	N/A	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
3 1 9230	1B B PASSIVE	1BTB-DG501 1B-TB-DG501	N/A	RACK/PANEL (TERMINAL BOX) 1DG501	N/A	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
3 1 9208	R N/A PASSIVE	1BTB011 1B-TB011	N/A	RACK/PANEL	N/A	NR	OPERABLE OPERABLE	N/A N/A		
3 1 9210	1B S PASSIVE	1BTB094 1B-TB094	N/A	RACK/PANEL (TERMINAL BOX)	N/A	309W 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9209	R N/A PASSIVE	1BTB096 1B-TB096	N/A	RACK/PANEL	N/A	NR	OPERABLE OPERABLE	N/A N/A		
3 1 9211	R N/A PASSIVE	1BTB122 1B-TB122	N/A	RACK/PANEL	N/A	NR	OPERABLE OPERABLE	N/A N/A		
3 1 9212	R N/A PASSIVE	1BTB123 1B-TB123	N/A	RACK/PANEL	N/A	NR	OPERABLE OPERABLE	N/A N/A		
1 1 5555	B SR ACTIVE	1BV208 1B-V208	REACTOR ENCL HVAC & SGTS	RCIC PUMP & TURBINE ROOM UNIT COOLER B	M-11, Sht 2	108 183 REACTOR ENCLOSURE	OFF 183 OPERABLE	10B211 10B211		
2 1 5535	B S ACTIVE	1BV209 1B-V209	REACTOR ENCL HVAC & SGTS	HPCI PUMP & TURBINE ROOM UNIT COOLER B	M-11, Sht 2	109 177 REACTOR ENCLOSURE	OFF 177 OPERABLE	10B212 10B212		
2 1 5555	B SR ACTIVE	1BV210 1B-V210	REACTOR ENCL HVAC & SGTS	B & D RHR PUMP ROOM UNIT COOLER B	M-11, Sht 3	103 181 REACTOR ENCLOSURE	OFF 191 OPERABLE	10B212 10B212		
2 1 5640	B S PASSIVE	1BV211 1B-V211	REACTOR ENCL HVAC & SGTS	B CORE SPRAY PUMP ROOM UNIT COOLER B	M-11, Sht 3	117 190 REACTOR ENCLOSURE	N/A 190 N/A	N/A N/A		
2 1 5950	B SR ACTIVE	1BV512 1B-V512	MISC. STRUCTURES - HVAC	B DIESEL GENERATOR VENTILATION AIR EXHAUST FAN B	M-81, Sht 1	311B 217 DIESEL GENERATOR ENCLOSURE	OFF 217 OPERABLE	10B516 10B516, 10Y102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 / 1 / 8237	12 / S / ACTIVE	1BY160 / 1B-Y160	EPS	B RPS & UPS 120V AC DISTRIBUTION PANEL (ALT FEED:52-40110 &	E-32, SHT 1	542 / 289 / CONTROL STRUCTURE	OPERABLE / 289 / OPERABLE	1BC248 / N/A		
3 / 1 / 8235	12 / N/A / ACTIVE	1BY185 / 1B-Y185	EPS / 36	B AVERAGE POWER RATE MONITOR UPS 120V AC DISTRIBUTION PANEL	E-32, SHT 2	542 / 289 / CONTROL STRUCTURE	OPERABLE / 289 / OPERABLE	1BD185 / N/A		
2 / 1 / 3400	32 / S / PASSIVE	1C1F211 / 1C1F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, SHT 1	101 / 182 / REACTOR ENCLOSURE	OPERABLE / 181 / OPERABLE	N/A / N/A		
1 / 1 / 5301	32 / B / PASSIVE	1C1F575 / N/A	SDG	FUEL OIL FILTER / 1CG501	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
1 / 1 / 5317	10 / S / PASSIVE	1C1K513 / 1C1K513	FUEL OIL TRANSFER	C DIESEL GENERATOR STARTING AIR COMPRESSOR C1	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	N/A / 217 / N/A	N/R / N/R		
1 / 1 / 5316	19 / S / PASSIVE	1C1T558 / 1C1T558	FUEL OIL TRANSFER	C DIESEL GENERATOR STARTING AIR RESERVOIR C1	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
2 / 1 / 3401	32 / S / PASSIVE	1C2F211 / 1C2F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, SHT 1	101 / 182 / REACTOR ENCLOSURE	OPERABLE / 181 / OPERABLE	N/A / N/A		
1 / 1 / 5304	32 / B / PASSIVE	1C2F575 / N/A	SDG	FUEL OIL FILTER / 1CG501	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
1 / 1 / 5319	10 / S / PASSIVE	1C2K513 / 1C2K513	FUEL OIL TRANSFER	C DIESEL GENERATOR STARTING AIR COMPRESSOR C2	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	N/A / 217 / N/A	N/R / N/R		
1 / 1 / 5318	19 / S / PASSIVE	1C2T558 / 1C2T558	FUEL OIL TRANSFER	C DIESEL GENERATOR STARTING AIR RESERVOIR C2	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
3 / 1 / 9151	18 / S / PASSIVE	1CC208 / 1C-C208	N/A	UNIT COOLERS CONTROL PANEL	N/A	200 / 201 / REACTOR ENCLOSURE	OPERABLE / 201 / OPERABLE	N/A / N/A		
3 / 1 / 9213	18 / S / PASSIVE	1CC514 / 1C-C514	N/A	DIESEL GENERATOR ELEC INSTR CONTROL BOARD	N/A	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	18	1CC563	N/A	DIESEL GENERATOR ENCLOSURE HVAC CONTROL PANEL	N/A	311C	OPERABLE	N/A		
1	S					217	225'-8"			
9152	PASSIVE	1C-C563				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	18	1CC661	N/A	PANEL C-SAFEGUARD SYSTEM VERTICAL BOARD	N/A	533	OPERABLE	N/A		
1	S					269	269			
9214	PASSIVE	1C-C661				CONTROL STRUCTURE	OPERABLE	N/A		
3	18	1CC667	N/A	INSTRUMENT PANEL	N/A	533	OPERABLE	N/A		
1	S					269				
9153	PASSIVE	1C-C667				CONTROL STRUCTURE	OPERABLE	N/A		
3	13	1CD101	DC	125V DC BATTERY	E-33, Sht 1	324	OPERABLE	N/R		
1	S					217				
8709	ACTIVE	1C_BATTERY				CONTROL STRUCTURE	OPERABLE	N/R		
3	12	1CD102	DC	TURBINE ENCLOSURE 125 VDC POWER DIST PANEL 1CD102	E-33, Sht 1	434	OPERABLE	1CD105		
1	S					239	239			
8713	ACTIVE	1PPC1				CONTROL STRUCTURE	OPERABLE	N/R		
3	14	1CD103	DC	125V DC BATTERY CHARGER 1CD103 (1E-C)	E-33, Sht 1	324	OPERABLE	10B223		
1	S					217	217			
8710	ACTIVE	1BCC				CONTROL STRUCTURE	OPERABLE	N/R		
3	18	1CD104	DC	125V DC GROUND DETECTION CABINT 1CD104(IE-C SAFEGUARD)	E-33, Sht 1	324	OPERABLE	1CD105		
1	S					217	217			
8712	ACTIVE	1C				CONTROL STRUCTURE	OPERABLE	N/R		
3	12	1CD105	DC	125V DC FUSE BOX 1CD105	E-33 Sht 1	324	OPERABLE	1CD101, 1CD103		
1	S					217	217			
8711	ACTIVE	1FC				CONTROL STRUCTURE	OPERABLE	N/R		
3	12	1CD162	DC	1C-D162 125 VDC PWR DISTRIBUTION PANEL	E-33, Sht 1	434	OPERABLE	1CD102		
1	S					239	239			
8715	ACTIVE	1PPC3				CONTROL STRUCTURE	OPERABLE	N/R		
3	12	1CD501	DC	125V DC DIST. PNL	E-33, Sht 1	311C	OPERABLE	1CD105		
1	S					217	217			
8714	ACTIVE	1PPC2				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/R		
1	20	1CE218	ESW	C RHR PUMP SEAL COOLER	M-11, Sht 2	102	OPERABLE	N/A		
1	B					177	177			
5544	PASSIVE	1C-E218		1CP202		REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	1CE220	ESW	C RHR PUMP MOTOR OIL COOLER	M-11, Sht 2	102	OPERABLE	N/A		
1	B					177	177			
5545	PASSIVE	1C-E220		1CP202		REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1	20	1CE506	4KV & DIESEL GEN.	C DIESEL GENERATOR LUBE OIL COOLER	M-11, Sht 1	311C	OPERABLE	N/A		
1	B					217	217			
5512	PASSIVE	1C-E507		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	20	1CE507	4KV & DIESEL GEN.	C DIESEL GENERATOR JACKET WATER HEAT EXCHANGER	M-11, Sht 1	311C	OPERABLE	N/A		
1	B					217	217			
5512	PASSIVE	1C-E507		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	20	1CE586	4KV & DIESEL GEN	C DIESEL GENERATOR INTERCOOLER WATER HEAT EXCHANGER DIESEL GEN	M-11, Sht 1	311C	OPERABLE	N/A		
1	B					217	217			
5510	PASSIVE	1C-E586		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	32	1CF574	FUEL OIL TRANSFER	C DIESEL ENGINE INLET AIR FILTER	M-20, Sht 5	311C	OPERABLE	N/A	DGEV	M-81, Sh. 1
1	S					217	217			
5313	PASSIVE	1C-F574				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	15	1CG501	4KV SYS & DIESEL GEN	DIESEL GENERATOR ENGINE	M-20, Sht 5	311C	OPERABLE	N/R	ESW, DGEV	M-11, Sh. 1; M-81,
1	SR					217	217			
5300	ACTIVE	1C-G501-DR				DIESEL GENERATOR ENCLOSURE	OPERABLE	1CD102,1CD501		
3	18	1CG502	N/A	D13 DIESEL GENERATOR POT TRANS AND EXCITATION EQUIPMENT	N/A	311C	OPERABLE	N/A		
1	S					217	217			
9215	PASSIVE	1C-G502				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	4	1CP202	RHR	1C RESIDUAL HEAT REMOVAL (RHR) PUMP	M-51, SHT 1	102	OFF	10A117	REV, ESW	M-76, M-11
1	SR					177	177			
3404	ACTIVE	1C-P202				REACTOR ENCLOSURE	ON	10A117, 1CD102		
1	4	1CP514	FUEL OIL TRANSFER	C DIESEL GENERATOR DIESEL OIL TRANSFER PUMP	M-20, Sht 5	YARD	OPERABLE	10B517		
1	SR					N/A	206			
5309	ACTIVE	1C-P514				YARD	OPERABLE	10B517		
1	3	1CP537	FUEL OIL TRANSFER	C DIESEL GENERATOR FUEL OIL PUMP	M-20, Sht 5	NR	OPERABLE			
1	B									
5302	ACTIVE	1C-P537					OPERABLE			
1	3	1CP538	FUEL OIL TRANSFER	C DIESEL GENERATOR AUXILIARY FUEL OIL PUMP	M-20, Sht 5	311C	OPERABLE	1CD501		
1	BR					217	217			
5305	ACTIVE	1C-P538		1CG501		DIESEL GENERATOR	OPERABLE	N/R		
1	20	1CS575	FUEL OIL TRANSFER	C DIESEL GENERATOR EXHAUST SILENCER	M-20, Sht 5	311C	OPERABLE	N/A		
1	S					217	217			
5314	PASSIVE	1C-S575				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	22	1CT527	FUEL OIL TRANSFER	C DIESEL GENERATOR DIESEL OIL STORAGE TANK	M-20, Sht 5	YARD	OPERABLE	N/A		
1	S					N/A	198			
5310	PASSIVE	1C-T527				YARD	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 / 1 / 5307	19 / S / PASSIVE	1CT528 / 1C-T528	FUEL OIL TRANSFER	C DIESEL GENERATOR DAY TANK	M-20, Sht 5	312C / 217 / DIESEL GENERATOR	OPERABLE / 217 / OPERABLE	N/A / N/A		
1 / 1 / 5311	20 / B / PASSIVE	1CT531 / 1C-T531	FUEL OIL TRANSFER / 6	C DIESEL GENERATOR DIRTY DIESEL FUEL DRAIN TANK / 1CG501	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
1 / 1 / 5312	20 / S / PASSIVE	1CT564 / 1C-T564	FUEL OIL TRANSFER	C DIESEL GENERATOR JACKET WATER EXPANSION TANK	M-20, Sht 5	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / 234 / OPERABLE	N/A / N/A		
3 / 1 / 9231	18 / B / PASSIVE	1CTB-AG501 / 1C-TB-AG501	N/A	RACK/PANEL (TERMINAL BOX) / 1AG501	N/A	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9232	18 / B / PASSIVE	1CTB-BG501 / 1C-TB-BG501	N/A	RACK/PANEL (TERMINAL BOX) / 1BG501	N/A	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9233	18 / B / PASSIVE	1CTB-CG501 / 1C-TB-CG501	N/A	RACK/PANEL (TERMINAL BOX) / 1CG501	N/A	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9234	18 / B / PASSIVE	1CTB-DG501 / 1C-TB-DG501	N/A	RACK/PANEL (TERMINAL BOX) / 1DG501	N/A	311D / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9217	R / N/A / PASSIVE	1CTB122 / 1C-TB122	N/A	RACK/PANEL	N/A	NR	OPERABLE / OPERABLE	N/A / N/A		
1 / 1 / 5536	8 / S / ACTIVE	1CV210 / 1C-V210	REACTOR ENCL HVAC & SGTS	A & C RHR PUMP ROOM UNIT COOLER C	M-11, Sht 2	102 / 191 / REACTOR ENCLOSURE	OFF / 191 / OPERABLE	10B217 / 10B217		
1 / 1 / 5564	8 / S / PASSIVE	1CV211 / 1C-V211	REACTOR ENCL HVAC & SGTS	C CORE SPRAY PUMP ROOM UNIT COOLER C	M-11, Sht 2	113 / 190 / REACTOR ENCLOSURE	N/A / 150 / N/A	N/A / N/A		
1 / 1 / 5906	8 / SR / ACTIVE	1CV512 / 1C-V512	MISC. STRUCTURES - HVAC	C DIESEL GENERATOR VENTILATION AIR EXHAUST FAN C	M-81, Sht 1	311C / 217 / DIESEL GENERATOR ENCLOSURE	OFF / 217 / OPERABLE	10B517 / 10B517, 10Y103		
2 / 1 / 3200	32 / S / PASSIVE	1D1F211 / 1D1F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 3	101 / 182 / REACTOR ENCLOSURE	OPERABLE / 181 / OPERABLE	N/A / N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No	Room No / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 1 5401	32 B PASSIVE	1D1F575 N/A	SDG 6	FUEL OIL FILTER 1DG501	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5417	10 S PASSIVE	1D1K513 1D1K513	FUEL OIL TRANSFER	D DIESEL GENERATOR STARTING AIR COMPRESSOR D1	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R 217 N/R		
2 1 5416	19 S PASSIVE	1D1T558 1D1T558	FUEL OIL TRANSFER	D DIESEL GENERATOR STARTING AIR RESERVOIR D1	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A 217 N/A		
2 1 3201	32 S PASSIVE	1D2F211 1D2F211	RHR	RHR SUPPRESSION POOL SUCTION STRAINER	M-51, Sht 3	101 182 REACTOR ENCLOSURE	OPERABLE 181 OPERABLE	N/A N/A		
2 1 5404	32 B PASSIVE	1D2F575 N/A	SDG 6	FUEL OIL FILTER 1DG501	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5419	10 S PASSIVE	1D2K513 1D2K513	FUEL OIL TRANSFER	D DIESEL GENERATOR STARTING AIR COMPRESSOR D2	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	N/A 217 N/A	N/R 217 N/R		
2 1 5418	19 S PASSIVE	1D2T558 1D2T558	FUEL OIL TRANSFER	D DIESEL GENERATOR STARTING AIR RESERVOIR D2	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A 217 N/A		
3 1 9154	18 S PASSIVE	1DC208 1D-C208	N/A	UNIT COOLERS CONTROL PANEL	N/A	207 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9218	18 S PASSIVE	1DC514 1D-C514	N/A	D DIESEL GENERATOR ELECTRIC INSTRUMENT CONTROL BOARD	N/A	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A 217 N/A		
3 1 9155	18 S PASSIVE	1DC563 1D-C563	N/A	DIESEL GENERATOR ENCLOSURE HVAC CONTROL PANEL	N/A	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 225'-8" OPERABLE	N/A N/A		
3 1 9219	18 S PASSIVE	1DC661 1D-C661	N/A	PANEL D-SAFEGUARD SYSTEM VERTICAL BOARD	N/A	533 259 CONTROL STRUCTURE	OPERABLE 259 OPERABLE	N/A N/A		
3 1 8309	13 S ACTIVE	1DD101 1D_BATTERY	DC	125V DC BATTERY	E-33, Sht 2	323 217 CONTROL STRUCTURE	OPERABLE OPERABLE	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 8313	12 S ACTIVE	1DD102 1PPD1	DC	1PPD1 125 VDC DIST PANEL (1D-D102)	E-33, Sht 2	452 254 CONTROL STRUCTURE	OPERABLE 254 OPERABLE	1DD105 N/R		
3 1 8310	14 S ACTIVE	1DD103 1BCD	DC	125V DC BATTERY CHARGER 1DD103(1E-D)	E-33, Sht 2	323 217 CONTROL STRUCTURE	OPERABLE 217 OPERABLE	10B224 N/R		
3 1 8312	18 S ACTIVE	1DD104 1D	DC	125V DC GROUND DETECTION CABINET 1DD104(1E-D SAFEGUARD)	E-33, Sht 2	323 217 CONTROL STRUCTURE	OPERABLE 217 OPERABLE	1DD105 N/R		
3 1 8311	12 S ACTIVE	1DD105 1FD	DC	125V DC FUSE BOX 1DD105	E-33, Sht 2	323 217 CONTROL STRUCTURE	OPERABLE 217 OPERABLE	1DD101, 1DD103 N/R		
3 1 8315	12 S ACTIVE	1DD162 1PPD3	DC	1D-D162 125 VDC DIST PNL	E-33, Sht 2	425 239 CONTROL STRUCTURE	OPERABLE 239 OPERABLE	1DD105 N/R		
3 1 8314	12 S ACTIVE	1DD501 1PPD2	DC	1D-D501 125 VDC DISTRIBUTION PANEL	E-33, Sht 2	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	1DD105 N/R		
2 1 5653	20 B PASSIVE	1DE218 1D-E218	ESW 6	D RHR PUMP SEAL COOLER 1DP202	M-11, Sht 3	103 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 5654	20 B PASSIVE	1DE220 1D-E220	ESW 6	D RHR PUMP MOTOR OIL COOLER 1DP202	M-11, Sht 3	103 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 5622	20 B PASSIVE	1DE505 1D-E506	4KV & DIESEL GEN	D DIESEL GENERATOR LUBE OIL COOLER 1DG501	M-11, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
2 1 5623	20 B PASSIVE	1DE507 1D-E507	4KV & DIESEL GEN	D DIESEL GENERATOR JACKET WATER HEAT EXCHANGER 1DG501	M-11, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
2 1 5624	20 B PASSIVE	1DE586 1D-E586	4KV & DIESEL GEN	D DIESEL GENERATOR INTERCOOLER WATER HEAT EXCHANGER D24 DIESEL 1DG501	M-11, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
2 1 5413	32 S PASSIVE	1DF574 1D-F574	FUEL OIL TRANSFER	D DIESEL ENGINE INLET AIR FILTER	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A	DGEV	M-81, Sh. 1

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2	15	1DG501	4KV SYS & DIESEL GEN	DIESEL GENERATOR ENGINE	M-20, Sht 6	311D	OPERABLE	N/R	ESW, DGEV	M-11, Sh. 1; M-81,
1	SR					217	217			
5400	ACTIVE	1D-G501-DR				DIESEL GENERATOR ENCLOSURE	OPERABLE	1DD102,1DD501		
3	18	1DG502	N/A	D14 DIESEL GENERATOR POT TRANS AND EXCITATION EQUIPMENT	N/A	311D	OPERABLE	N/A		
1	S					217	217			
9220	PASSIVE	1D-G502				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	4	1DP202	RHR	1D RESIDUAL HEAT REMOVAL (RHR) PUMP	M-51, Sht 3	103	OFF	10A118	ESW, REV	M-11, M-76
1	SR					177	177			
3203	ACTIVE	1D-P202				REACTOR ENCLOSURE	ON	10A118, 1DD102		
2	4	1DP514	FUEL OIL TRANSFER	D DIESEL GENERATOR DIESEL OIL TRANSFER PUMP	M-20, Sht 6	YARD	OPERABLE	10B518		
1	SR					N/A	206			
5409	ACTIVE	1D-P514				YARD	OPERABLE	10B518		
2	3	1DP537	FUEL OIL TRANSFER	D DIESEL GENERATOR FUEL OIL PUMP	M-20, Sht 6	311D	OPERABLE	N/R		
1	B					217	217			
5402	ACTIVE	1D-P537	6	1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/R		
2	3	1DP538	FUEL OIL TRANSFER	D DIESEL GENERATOR AUXILIARY FUEL OIL PUMP	M-20, Sht 6	311D	OPERABLE	1DD501		
1	BR					217	217			
5405	ACTIVE	1D-P538	6	1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/R		
2	20	1DS575	FUEL OIL TRANSFER	D DIESEL GENERATOR EXHAUST SILENCER	M-20, Sht 6	311D	OPERABLE	N/A		
1	S					217	217			
5414	PASSIVE	1D-S575				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	22	1DT527	FUEL OIL TRANSFER	D DIESEL GENERATOR DIESEL OIL STORAGE TANK	M-20, Sht 6	YARD	OPERABLE	N/A		
1	S					N/A	198			
5410	PASSIVE	1D-T527				YARD	OPERABLE	N/A		
2	19	1DT528	FUEL OIL TRANSFER	D DIESEL GENERATOR DAY TANK	M-20, Sht 6	312D	OPERABLE	N/A		
1	S					217	217			
5407	PASSIVE	1D-T528				DIESEL GENERATOR	OPERABLE	N/A		
2	20	1DT531	FUEL OIL TRANSFER	D DIESEL GENERATOR DIRTY DIESEL FUEL DRAIN TANK	M-20, Sht 6	311D	OPERABLE	N/A		
1	B					217	217			
5411	PASSIVE	1D-T531	6	1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	20	1DT564	FUEL OIL TRANSFER	D DIESEL GENERATOR JACKET WATER EXPANSION TANK	M-20, Sht 6	311D	OPERABLE	N/A		
1	S					217	234			
5412	PASSIVE	1D-T564				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	R	1DTB122	N/A	RACK/PANEL	N/A	NR	OPERABLE	N/A		
1	N/A									
9222	PASSIVE	1D-TB122					OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 / 1 / 5656	B / SR / ACTIVE	1DV210 / 1D-V210	REACTOR ENCL HVAC & SGTS	B & D RHR PUMP ROOM UNIT COOLER D	M-11, Sht 3	103 / 191 / REACTOR ENCLOSURE	OFF / 191 / OPERABLE	10B218 / 10B218		
2 / 1 / 5641	B / S / PASSIVE	1DV211 / 1D-V211	REACTOR ENCL HVAC & SGTS	D CORE SPRAY PUMP ROOM UNIT COOLER D	M-11, Sht 3	114 / 190 / REACTOR ENCLOSURE	N/A / 190 / N/A	N/A / N/A		
2 / 1 / 5958	B / SR / ACTIVE	1DV512 / 1D-V512	MISC. STRUCTURES - HVAC	D DIESEL GENERATOR VENTILATION AIR EXHAUST FAN D	M-81, Sht 1	311D / 217 / DIESEL GENERATOR ENCLOSURE	OFF / 217 / OPERABLE	10B518 / 10B518, 10Y104		
2 / 1 / 2114	20 / S / PASSIVE	1ET003 / 1E-T003	NUCLEAR BOILER	E MAIN STEAM RELIEF VALVE (MSRV) ACCUMULATOR TANK	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	OPERABLE / 286 / OPERABLE	N/A / N/A	PCIG	M-59, SH. 1
3 / 1 / 9156	1B / B / PASSIVE	1ETB-AG501 / 1E-TB-AG501	N/A	INSTRUMENT PANEL / 1AG501	N/A	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9157	1B / B / PASSIVE	1ETB-BG501 / 1E-TB-BG501	N/A	INSTRUMENT PANEL / 1BG501	N/A	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9158	1B / B / PASSIVE	1ETB-CG501 / 1E-TB-CG501	N/A	INSTRUMENT PANEL / 1CG501	N/A	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 9159	1B / B / PASSIVE	1ETB-DG501 / 1E-TB-DG501	N/A	INSTRUMENT PANEL / 1DG501	N/A	311D / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
1 / 1 / 5535	B / SR / ACTIVE	1EV210 / 1E-V210	REACTOR ENCL HVAC & SGTS	A & C RHR PUMP ROOM UNIT COOLER E	M-11, Sht 2	102 / 183 / REACTOR ENCLOSURE	OFF / 183 / OPERABLE	10B211 / 10B211		
1 / 1 / 5563	B / S / PASSIVE	1EV211 / 1E-V211	REACTOR ENCL HVAC & SGTS	A CORE SPRAY PUMP ROOM UNIT COOLER E	M-11, Sht 2	110 / 177 / REACTOR ENCLOSURE	N/A / 177 / N/A	N/A / N/A		
1 / 1 / 5903	B / SR / ACTIVE	1EV512 / 1E-V512	MISC. STRUCTURES - HVAC	A DIESEL GENERATOR VENTILATION AIR EXHAUST FAN E	M-81, Sht 1	311A / 217 / DIESEL GENERATOR ENCLOSURE	OFF / 217 / OPERABLE	10B515 / 10B515, 10Y101		
3 / 1 / 9235	1B / B / PASSIVE	1FTB-AG501 / 1F-TB-AG501	N/A	RACK/PANEL (TERMINAL BOX) / 1AG501	N/A	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	1B	1FTB-BG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311B	OPERABLE	N/A		
1	B					217				
9236	PASSIVE	1F-TB-BG501		1BG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1FTB-CG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311C	OPERABLE	N/A		
1	B					217				
9237	PASSIVE	1F-TB-CG501		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1FTB-DG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311D	OPERABLE	N/A		
1	B					217				
9238	PASSIVE	1F-TB-DG501		1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
2	B	1FV210	REACTOR ENCL HVAC & SGTS	B & D RHR PUMP ROOM UNIT COOLER F	M-11, Sht 3	103	OFF	10B212		
1	SR					183	183			
5657	ACTIVE	1F-V210				REACTOR ENCLOSURE	OPERABLE	10B212		
2	B	1FV211	REACTOR ENCL HVAC & SGTS	B CORE SPRAY PUMP ROOM UNIT COOLER F	M-11, Sht 3	117	N/A	N/A		
1	S					177	177			
5642	PASSIVE	1F-V211				REACTOR ENCLOSURE	N/A	N/A		
2	B	1FV512	MISC. STRUCTURES - HVAC	B DIESEL GENERATOR VENTILATION AIR EXHAUST FAN F	M-81, Sht 1	311B	OFF	10B516		
1	SR					217	217			
5953	ACTIVE	1F-V512				DIESEL GENERATOR ENCLOSURE	OPERABLE	10B516, 10Y102		
3	1B	1GTB-AG501	N/A	RACK/PANEL	N/A	311A	OPERABLE	N/A		
1	B					217				
9239	PASSIVE	1G-TB-AG501		1AG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1GTB-BG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311B	OPERABLE	N/A		
1	B					217				
9240	PASSIVE	1G-TB-BG501		1BG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1GTB-CG501	N/A	RACK/PANEL	N/A	311C	OPERABLE	N/A		
1	B					217				
9241	PASSIVE	1G-TB-CG501		1CG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	1B	1GTB-DG501	N/A	RACK/PANEL (TERMINAL BOX)	N/A	311D	OPERABLE	N/A		
1	B					217				
9242	PASSIVE	1G-TB-DG501		1DG501		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
1	B	1GV210	REACTOR ENCL HVAC & SGTS	A & C RHR PUMP ROOM UNIT COOLER G	M-11, Sht 2	102	OFF	10B217		
1	S					183	183			
5537	ACTIVE	1G-V210				REACTOR ENCLOSURE	OPERABLE	10B217		
1	B	1GV211	REACTOR ENCL HVAC & SGTS	C CORE SPRAY PUMP ROOM UNIT COOLER G	M-11, Sht 2	113	N/A	N/A		
1	S					177	177			
5565	PASSIVE	1G-V211				REACTOR ENCLOSURE	N/A	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 5909	8 SR ACTIVE	1GV512 1G-V512	MISC. STRUCTURES - HVAC	C DIESEL GENERATOR VENTILATION AIR EXHAUST FAN G	M-81, Sht 1	311C 217 DIESEL GENERATOR ENCLOSURE	OFF 217 OPERABLE	10B517 10B517, 10Y103		
2 1 2115	20 S PASSIVE	1HT003 1H-T003	NUCLEAR BOILER	H MAIN STEAM RELIEF VALVE (MSRV) ACCUMULATOR TANK	M-41, Sht 2, 3	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/A N/A	PCIG	M-59, SH. 1
2 1 5658	8 SR ACTIVE	1HV210 1H-V210	REACTOR ENCL HVAC & SGTS	B & D RHR PUMP ROOM UNIT COOLER H	M-11, Sht 3	103 183 REACTOR ENCLOSURE	OFF 183 OPERABLE	10B218 10B218		
2 1 5643	8 S PASSIVE	1HV211 1H-V211	REACTOR ENCL HVAC & SGTS	D CORE SPRAY PUMP ROOM UNIT COOLER H	M-11, Sht 3	114 177 REACTOR ENCLOSURE	N/A 177 N/A	N/A N/A		
2 1 5959	8 SR ACTIVE	1HV512 1H-V512	MISC. STRUCTURES - HVAC	D DIESEL GENERATOR VENTILATION AIR EXHAUST FAN H	M-81, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OFF 217 OPERABLE	10B518 10B518, 10Y104		
2 1 2116	20 S PASSIVE	1KT003 1K-T003	NUCLEAR BOILER	K MAIN STEAM RELIEF VALVE (MSRV) ACCUMULATOR TANK	M-41, Sht 2, 3	400 237 REACTOR ENCLOSURE	OPERABLE 273 OPERABLE	N/A N/A	PCIG	M-59, SH. 1
2 1 2117	20 S PASSIVE	1MT003 1M-T003	NUCLEAR BOILER	M MAIN STEAM RELIEF VALVE (MSRV) ACCUMULATOR TANK	M-41, Sht 2, 3	400 237 REACTOR ENCLOSURE	OPERABLE 273 OPERABLE	N/A N/A	PCIG	M-59, SH. 1
2 1 2118	20 S PASSIVE	1ST003 1S-T003	NUCLEAR BOILER	S MAIN STEAM RELIEF VALVE (MSRV) ACCUMULATOR TANK	M-41, Jht 2, 3	400 237 REACTOR ENCLOSURE	OPERABLE 273 OPERABLE	N/A N/A	PCIG	M-59, SH. 1
3 1 2205	R N/A PASSIVE	41-1F010A 041-1F010A	NUCLEAR BOILER	24" A INBRD FDWTR CHECK TO REACTOR VESSEL PCIV	M-41, SHT 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/A N/A		
3 1 2206	R R PASSIVE	41-1F010B 041-1F010B	NUCLEAR BOILER	24" B INBRD FDWTR CHECK TO REACTOR VESSEL PCIV	M-41, SHT 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/A N/A		
1 1 3131	R N/A PASSIVE	44-1064 044-1064	RCIC	MRR 174228 QC HOLD RWCU TO FEEDWATER	M-44, SHT 2	507 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		
3 1 2214	R N/A PASSIVE	48-1027 048-1027	STANDBY LIQUID CONTROL	SLC INJECTION LINE	M-48, Sht 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train Unit Line No.	Class Eval Req'd Function	Equip ID PIMS ID	System Notes	Equip Description ROB Mother Comp	Drawing No.	Room No. Room Elev Building	Norm state Equip Elev Req'd State	Motive power Contr power	Support System	Supp Sys dwg
1 1 3122	R N/A PASSIVE	49-1032 049-1032	RCIC	SAFEGUARD PIPING FILL PUMP A TO RCIC	M-49, Sht 1	NR REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 3125	R N/A PASSIVE	49-1F065 049-1F065	RCIC	FILL FROM CONDENSATE TRANS TO RCIC P	M-49, Sht 1	518 279 REACTOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 3133	R N/A PASSIVE	50-1F047 050-1F047	RCIC	DISCHARGE LINE OFF BAROMETRIC CONDEN	M-50, SHT 1	108 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 4121, 4325, 4725	R N/A PASSIVE	51-1032A 051-1032A	RHR	CONDENSATE FILL FOR INJECTION LINE T	M-51, Sht 1	309 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
2 1 4222, 4421, 4819	R N/A PASSIVE	51-1032B 051-1032B	RHR	CONDENSATE FILL FOR INJECTION LINE T	M-51, Sht 3	309 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
1 1 4110, 4307, 4706	R N/A PASSIVE	51-1115A 051-1115A	RHR	SAFEGUARD PIPING FILL TO RHR PUMP DI	M-51, Sht 1	102 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 4209, 4409, 4809	R N/A PASSIVE	51-1115B 051-1115B	RHR	SAFEGUARD PIPING FILL TO RHR PUMP DI	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 3407	R N/A PASSIVE	51-1115C 051-1115C	RHR	SAFEGUARD PIPING FILL TO RHR PUMP DI	M-51, SHT 1	102 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 3206	R N/A PASSIVE	51-1115D 051-1115D	RHR	SAFEGUARD PIPING FILL TO RHR PUMP DI	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 4219, 4419, 4820	R N/A PASSIVE	51-1F078 051-1F078	RHR	RHR SERVICE WATER CROSS TIE	M-51, Sht 4	204 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 1 4124, 4322, 4723	R N/A PASSIVE	51-1F090A 051-1F090A	RHR	CONDENSATE FILL TO RHR INJECTION LIN	M-51, Sht 1	511 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		
2 1 4221, 4426, 4825	R N/A PASSIVE	51-1F090B 051-1F090B	RHR	CONDENSATE FILL TO RHR INJECTION LIN	M-51, Sht 3	508 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 1 3410	R N/A PASSIVE	51-1F090C 051-1F090C	RHR	CONDENSATE FILL TO RHR INJECTION LIN	M-51, SHT 1	599 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		
2 1 3209	R N/A PASSIVE	51-1F090D 051-1F090D	RHR	CONDENSATE FILL TO RHR INJECTION LIN	M-51, Sht 3	506 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		
1 1 3304	R N/A PASSIVE	55-1F019 055-1F019	HPCI	HPCI PUMP SUCTION FROM CST	M-55, SHT 1	109 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 3310	R N/A PASSIVE	55-1F078 055-1F078	HPCI	CONDENSATE TRANSFER TO HPCI PUMP DIS	M-55, SHT 1	506 283 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/A N/A		
2 1 6108	R N/A PASSIVE	59-1122 059-1122	PCIG	INST AIR SUPPLY ISOL ITF 00345 CLEANUP	M-59, SHT 1	304 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
2 1 S109	R N/A PASSIVE	59-1131E 059-1131E	PCIG	INST AIR SUPPLY ITF 00345 CLEANUP	M-59, SHT 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/A N/A		
2 1 6110	R N/A PASSIVE	59-1131K 059-1131K	PCIG	INST AIR SUPPLY ITF 00345 CLEANUP	M-59, SHT 1	400 237 REACTOR ENCLOSURE	OPERABLE 273 OPERABLE	N/A N/A		
1 1 5108	32 S PASSIVE	BS-122A N/A	FUEL OIL TRANSFER	FUEL OIL FILTER	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5208	32 S PASSIVE	BS-122B N/A	FUEL OIL TRANSFER	FUEL OIL FILTER	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5308	32 S PASSIVE	BS-122C N/A	FUEL OIL TRANSFER	FUEL OIL FILTER	M-20, Sht 5	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5408	32 S PASSIVE	BS-122D N/A	FUEL OIL TRANSFER	FUEL OIL FILTER	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5106	32 B PASSIVE	BS-124A-1 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 5103	32 B PASSIVE	BS-124A-2 N/A	FUEL OIL TRANSFER	FUEL OIL BASKET STRAINER 1AG501	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5206	32 B PASSIVE	BS-124B-1 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1BG501	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5203	32 B PASSIVE	BS-124B-2 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1BG501	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5306	32 B PASSIVE	BS-124C-1 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1CG501	M 20, Sht 5	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5303	32 B PASSIVE	BS-124C-2 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1CG501	M-20, Sht 5	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5406	32 B PASSIVE	BS-124D-1 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1DG501	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5403	32 B PASSIVE	BS-124D-2 N/A	FUEL OIL TRANSFER	FUEL OIL FILTER 1DG501	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5115	19 S PASSIVE	DRAIN POT N/A	SDG	DRAIN POT	M-20, Sht 3	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5215	19 S PASSIVE	DRAIN POT N/A	SDG	DRAIN POT	M-20, Sht 4	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 5315	19 S PASSIVE	DRAIN POT N/A	SDG	DRAIN POT	M-20, Sht 5	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
2 1 5415	19 S PASSIVE	DRAIN POT N/A	SDG	DRAIN POT	M-20, Sht 6	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE OPERABLE	N/A N/A		
1 1 3103	20 S PASSIVE	DRAIN POT N/A	RCIC	DRAIN POT	M-49, Sht 1	108 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1	20	DRAIN POT	RCIC	EXHAUST LINE DRAIN POT	M-50, Sht 1	108	OPERABLE	N/A		
1	S					177				
3108	PASSIVE	N/A				REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	DRAIN POT	HPCI	HPCI TURBINE STEAM SUPPLY DRAIN	M-55, SHT 1	109	OPERABLE	N/A		
1	S					177				
3327	PASSIVE	N/A				REACTOR ENCLOSURE	OPERABLE	N/A		
1	20	DRAIN POT	HPCI	HPCI TURBINE EXHAUST DRAIN	M-56, SHT 1	109	OPERABLE	N/A		
1	S					177				
3332	PASSIVE	N/A				REACTOR ENCLOSURE	OPERABLE	N/A		
1	24	FE-49-1N016	RCIC	RCIC PUMP TURBINE STEAM	M-49, Sht 1	101	OPERABLE	N/A		
1	S					253	256			
3100	PASSIVE	FE-049-1N016				REACTOR ENCLOSURE	OPERABLE	N/A		
1	24	FE-55-1N032	HPCI	HPCI TURBINE STEAM SUPPLY	M-55, SHT 1	101	OPERABLE	N/A		
1	S					253	255			
3320	PASSIVE	FE-055-1N032				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N001	N/A	RHR HTX A & PUMP A DISCH FLOW	N/A	304W	OPERABLE	N/A		
1	S					217				
9500	ACTIVE	FT-051-1N001				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N015A	N/A	RHR HTX A & PUMP A DISCH FLOW	N/A	304W	OPERABLE	N/A		
1	S					217	217			
9501	ACTIVE	FT-051-1N015A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N015B	N/A	RHR HTX B & PUMP B DISCH FLOW	N/A	304E	OPERABLE	N/A		
1	S					217	217			
9502	ACTIVE	FT-051-1N015B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N015C	N/A	RHR PUMP C DISCH FLOW	N/A	304W	OPERABLE	N/A		
1	S					217	217			
9503	ACTIVE	FT-051-1N015C				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N015D	N/A	RHR PUMP D DISCH FLOW	N/A	304E	OPERABLE	N/A		
1	S					217	217			
9504	ACTIVE	FT-051-1N015D				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N052A	N/A	RHR HTX A & PUMP A DISCH FLOW	N/A	304W	OPERABLE	N/A		
1	S					217	217			
9505	ACTIVE	FT-051-1N052A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	FT-51-1N052B	N/A	RHR HTX B & PUMP B DISCH FLOW	N/A	304E	OPERABLE	N/A		
1	S					217	217			
9506	ACTIVE	FT-051-1N052B				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9507	17 S ACTIVE	FT-51-1N052C FT-051-1N052C	N/A	RHR PUMP C DISCH FLOW	N/A	304W 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9508	17 S ACTIVE	FT-51-1N052D FT-051-1N052D	N/A	RHR PUMP D DISCH FLOW	N/A	304E 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9509	17 S ACTIVE	FT-55-1N008 FT-055-1N008	N/A	HPCI PUMP LOOP FLOW	N/A	111 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9510	17 S ACTIVE	FT-55-1N051 FT-055-1N051	N/A	HPCI PUMP LOOP FLOW	N/A	111 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 3106	5 BR ACTIVE	FV-50-113 FV-050-113	RCIC	STEAM SUPPLY TO RCIC TURBINE 10S212	M-50, Sht 1	108 177 REACTOR ENCLOSURE	OPEN 177 THROTTLING	N/R N/R		
1 1 3330	5 BR ACTIVE	FV-56-111 FV-056-111	HPCI	HPCI TURB CONTROL VALVE 10S211	M-56, SHT 1	109 177 REACTOR ENCLOSURE	CLOSED 177 THROTTLING	N/A N/A		
1 1 3329	5 BR ACTIVE	FV-56-112 FV-056-112	HPCI	HPCI TURB STOP VALVE 10S211	M-56, SHT 1	109 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/A 1BD102		
3 1 2320	6 R PASSIVE	FV-C-DO-101A FV-C-DO-101A	POST LOCA RECOMBINER 5	A CNTMT H2 RECOMB INLET OUTBRD PCIV (OUTBRD SUCTION) D134-R-H-06	M-57, SHT 2	NR REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		
3 1 2314	6 SR PASSIVE	FV-C-DO-101B FV-C-DO-101B	POST LOCA RECOMBINER 5	B CNTMT H2 RECOMB INLET OUTBRD PCIV (OUTBD SUCTION) D244-R-H-06	M-57, SHT 1	506 283 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		
3 Common 5701	6 B ACTIVE	HD-81-041A HD-081-041A	MISC. STRUCTURES - HVAC 5	SPRAY POND AIR SUP FAN 0AV543 0AV543	M-81, Sht 5	1000 268 SPRAY POND PUMP STRUCTURE	N/A • OPEN/CLOSED	01Y501 01Y501		
3 Common 5751	6 B ACTIVE	HD-81-041B HD-081-041B	MISC. STRUCTURES - HVAC 5	SPRAY POND AIR SUP FAN 0BV543 0BV543	M-81, Sht 1	1005 268 SPRAY POND PUMP STRUCTURE	N/A • OPEN/CLOSED	02Y501 02Y501		
3 Common 5702	6 B ACTIVE	HD-81-042A HD-081-042A	MISC. STRUCTURES - HVAC 5	SPRAY POND AIR SUP FAN 0AV543 0AV543	M-81, Sht 1	1000 268 SPRAY POND PUMP STRUCTURE	N/A • OPEN/CLOSED	01Y501 01Y501		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	6	HD-81-042B	MISC. STRUCTURES - HVAC	SPRAY POND AIR SUP FAN 0BV543	M-81, Sht 1	1005	N/A	02Y501		
Common	B					268	*			
5752	ACTIVE	HD-081-042B	5	0BV543		SPRAY POND PUMP STRUCTURE	OPEN/CLOSED	02Y501		
1	6	HV-11-011A	ESW	ESW "A" DISCH. TO SPRAY POND/CLG TOWER (POND/TOWER RETURN A)	M-11, Sht 1	202	OPEN	N/R		
Common	R					198	201			
5531	PASSIVE	HV-011-011A				REACTOR ENCLOSURE	OPEN	N/R		
2	6	HV-11-011B	ESW	ESW LOOP 'B' DISCH. TO RHR/SW LOOP 'A' (POND/TOWER RETURN B)	M-11, Sht 1	202	OPEN	N/R		
Common	R					198	201			
5631	PASSIVE	HV-011-011B				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-11-015A	ESW	ESW "A" DISCH. TO SPRAY POND/CLG. TOWER (POND/TOWER RETURN C)	M-11, Sht 1	202	OPEN	N/R		
Common	R					198	201			
5532	PASSIVE	HV-011-015A				REACTOR ENCLOSURE	OPEN	N/R		
2	6	HV-11-015B	ESW	ESW "B" DISCH. TO SPRAY POND/CLG. TOWER (POND/TOWER RETURN D)	M-11, Sht 1	202	OPEN	N/R		
Common	R					198	201			
5632	PASSIVE	HV-011-015B				REACTOR ENCLOSURE	OPEN	N/R		
1	5	HV-11-041	ESW	UNIT 1 DIV 1 SFGD EQUIP A RET (UNIT 1 RETURN)	M-11, Sht 2	203	CLOSED	N/R		
Common	SR					201	201			
5578	ACTIVE	HV-011-041	22			REACTOR ENCLOSURE	OPEN	10Y101		
1	5	HV-11-042	ESW	HPCI PP RM. CLR. RET. TO ESW LOOP "B" (UNIT 1 RET LOOP B)	M-11, Sht 2	109	CLOSED	N/R		
Common	SR					177	177			
5690	ACTIVE	HV-011-042				REACTOR ENCLOSURE	OPEN	10Y102		
1	5	HV-11-043	ESW	HPCI PP RM CLR RET TO SERV WATER (UNIT 1 RET U/1 SW)	M-11, Sht 2	109	OPEN	N/R		
Common	SR					177	177			
5637	ACTIVE	HV-011-043	10			REACTOR ENCLOSURE	CLOSED	10Y102		
2	5	HV-11-044	ESW	UNIT 1 DIV 2 SFGD EQUIP ESW "B" RET. (UNIT 1 RETURN)	M-11, Sht 3	207	CLOSED	N/R		
Common	SR					201	201			
5649	ACTIVE	HV-011-044	23			REACTOR ENCLOSURE	OPEN	10Y102		
1	5	HV-11-046	ESW	A LOOP ESW RET FROM U/2 SFGD EQUIP RM CLRS (UNIT 2 RETURN)	M-11, Sht 4	284	CLOSED	N/R		
Common	SR					201	201			
5582	ACTIVE	HV-011-046	24			REACTOR ENCLOSURE	OPEN	20Y101		
2	5	HV-11-047	ESW	B LOOP ESW RET FROM U/2 SFGD EQUIP RM CLRS (UNIT 2 RETURN)	M-11, Sht 5	281	CLOSED	N/R		
Common	SR					201	201			
5686	ACTIVE	HV-011-047	25			REACTOR ENCLOSURE	OPEN	20Y102		
1	5	HV-11-048	ESW	U/2 RCIC RM CLR SW RET (UNIT 2 RET U/2 SW)	M-11, Sht 5	279	OPEN	N/R		
Common	SR					201	201			
5587	ACTIVE	HV-011-048	9			REACTOR ENCLOSURE	CLOSED	20Y101		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 Common 5585	5 SR ACTIVE	HV-11-049 HV-011-049	ESW 21	U/2 RCIC RM CLR ESW RET LOOP A (UNIT 2 RET LOOP A)	M-11, Sht 5	279 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 20Y101		
1 Common 5573	5 R PASSIVE	HV-11-051A HV-011-051A	ESW 7	CONT. RM. CHILLER A RET. TO UNIT 2 SERV WATER (RETURN UNIT 2 SW)	M-11, Sht 2	258 200 CONTROL STRUCTURE	CLOSED 200 CLOSED	N/R N/R		
2 Common 5646	5 R PASSIVE	HV-11-051B HV-011-051B	ESW 3	CONT. RM. CHILLER B RET. TO UNIT 2 SERV WATER (RETURN UNIT 2 SW)	M-11, Sht 2	253 200 CONTROL STRUCTURE	CLOSED 200 CLOSED	N/R N/R		
1 Common 5572	5 R PASSIVE	HV-11-055A HV-011-055A	ESW 7	CONT. RM. CHILLER A RET. TO UNIT 2 SERVICE WATER	M-11, Sht 2	258 200 CONTROL STRUCTURE	CLOSED 200 CLOSED	N/R N/R		
2 Common 5647	5 R PASSIVE	HV-11-055B HV-011-055B	ESW 3	CONT. RM. CHILLER B RET. TO SERVICE WATER (RETURN UNIT 2 SW)	M-11, Sht 2	258 200 CONTROL STRUCTURE	CLOSED 200 CLOSED	N/R N/R		
1 Common 5577	5 SR ACTIVE	HV-11-071 HV-011-071	ESW 22	UNIT 1 DIV 1 SFGD EQUIP ESW "A" RET. (UNIT 1 RETURN)	M-11, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 10Y103		
1 Common 5691	5 SR ACTIVE	HV-11-072 HV-011-072	ESW	HPCI PP RM. CLR. RET TO ESW LOOP "B" (UNIT 1 RET LOOP B)	M-11, Sht 2	109 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10Y104		
1 Common 5636	5 SR ACTIVE	HV-11-073 HV-011-073	ESW 10	HPCI PP RM. CLR RET. TO SERV. WATER (UNIT 1 RET U/1 SW)	M-11, Sht 2	109 177 REACTOR ENCLOSURE	OPEN 177 CLOSED	N/R 10Y104		
2 Common 5648	5 SR ACTIVE	HV-11-074 HV-011-074	ESW 23	UNIT 1 DIV 2 SFGD. EQUIP ESW "B" RET. (UNIT 1 RETURN)	M-11, Sht 3	207 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 10Y104		
1 Common 5583	5 SR ACTIVE	HV-11-076 HV-011-076	ESW 24	A LOOP ESW RET FROM U/2 SFGD EQUIP RM CLRS (UNIT 2 RETURN)	M-11, Sht 4	284 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 20Y103		
2 Common 5587	5 SR ACTIVE	HV-11-077 HV-011-077	ESW 25	B LOOP ESW RET FROM U/2 SFGD EQUIP RM CLRS (UNIT 2 RETURN)	M-11, Sht 5	281 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 20Y104		
1 Common 5588	5 SR ACTIVE	HV-11-078 HV-011-078	ESW 9	U/2 RCIC RM CLR SW RET (UNIT 2 RET U/2 SW)	M-11, Sht 5	279 201 REACTOR ENCLOSURE	OPEN 201 CLOSED	N/R 20Y103		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 Common 5586	5 SR ACTIVE	HV-11-079 HV-011-079	ESW 21	U/2 RCIC RM CLR ESW RET LOOP A (UNIT 2 RET LOOP A)	M-11, Sht 5	279 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	N/R 20Y103		
1 1 5692	5 SR ACTIVE	HV-11-103A HV-011-103A	ESW	HPCI PP RM CLR A SUP VLV	M-11, Sht 2	109 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B212		
1 1 5693	5 SR ACTIVE	HV-11-103B HV-011-103B	ESW	HPCI PP RM CLR B SUP VLV	M-11, Sht 2	109 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B212		
1 1 5550	5 SR ACTIVE	HV-11-104A HV-011-104A	ESW	RHR PP RM CLR A SUP VLV	M-11, Sht 2	102 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B211		
2 1 5659	5 SR ACTIVE	HV-11-104B HV-011-104B	ESW	RHR PP RM CLR B SUP VLV	M-11, Sht 3	103 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B212		
1 1 5592	5 SR ACTIVE	HV-11-104C HV-011-104C	ESW	RHR PP RM CLR C SUP VLV	M-11, Sht 2	102 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B217		
2 1 5660	5 SR ACTIVE	HV-11-104D HV-011-104D	ESW	RHR PP RM CLR D SUP VLV	M-11, Sht 3	103 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B218		
1 1 5551	5 SR ACTIVE	HV-11-104E HV-011-104E	ESW	RHR PP RM CLR E SUP VLV	M-11, Sht 2	102 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B211		
2 1 5661	5 SR ACTIVE	HV-11-104F HV-011-104F	ESW	RHR PP RM CLR F SUP VLV	M-11, Sht 3	103 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B212		
1 1 5593	5 SR ACTIVE	HV-11-104G HV-011-104G	ESW	RHR PP RM CLR G SUP VLV	M-11, Sht 2	102 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B217		
2 1 5662	5 SR ACTIVE	HV-11-104H HV-011-104H	ESW	RHR PP RM CLR H SUP VLV	M-11, Sht 3	103 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B218		
1 1 5556	5 SR ACTIVE	HV-11-106A HV-011-106A	ESW	RCIC PP RM CLR A SUP VLV	M-11, Sht 2	108 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	N/R 10B211		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1	5	HV-11-106B	ESW	RCIC PP RM CLR B SUP VLV	M-11, Sht 2	108	CLOSED	N/R		
1	SR					177	177			
5557	ACTIVE	HV-011-106B				REACTOR ENCLOSURE	OPEN	10B211		
1	6	HV-11-107	ESW	ESW "A" TO UNIT 1 TECW HEAT EXCHANGER (UNIT 1 SUPPLY)	M-11, Sht 1	NR	CLOSED	N/R		
1	R									
5502	PASSIVE	HV-011-107					CLOSED	N/R		
1	5	HV-11-121	ESW	ESW LOOP "A" RETURN TO UNIT 1 SERV WATER (UNIT 1 RET U/1 SW)	M-11, Sht 2	203	OPEN	N/R		
1	SR					201	201			
5575	ACTIVE	HV-011-121	8			REACTOR ENCLOSURE	CLOSED	10Y101		
1	5	HV-11-123	ESW	ESW LOOP "A" RETURN TO UNIT 1 SERVICE WATER (UNIT 1 RET U/1 SW)	M-11, Sht 2	203	OPEN	N/R		
1	SR					201	201			
5574	ACTIVE	HV-011-123	8			REACTOR ENCLOSURE	CLOSED	10Y103		
2	5	HV-11-125	ESW	ESW LOOP "B" RETURN TO UNIT 1 SERVICE WATER (UNIT 1 RET U/1 SW)	M-11, Sht 3	207	OPEN	N/R		
1	SR					201	201			
5651	ACTIVE	HV-011-125	13			REACTOR ENCLOSURE	CLOSED	10Y102		
2	5	HV-11-126	ESW	ESW LOOP "B" RETURN TO UNIT 1 SERVICE WATER (UNIT 1 RET U/1 SW)	M-11, Sht 3	207	OPEN	N/R		
1	SR					201	201			
5650	ACTIVE	HV-011-126	13			REACTOR ENCLOSURE	CLOSED	10Y104		
2	5	HV-11-128	ESW	ESW "B" TO UNIT 1 RECW HEAT EXCHANGER (UNIT 1 SUPPLY)	M-11, Sht 3	207	CLOSED	N/R		
1	R					201	201			
5638	PASSIVE	HV-011-128				REACTOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-131A	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311A	OPEN	N/R		
1	R					217	217			
5506	PASSIVE	HV-011-131A	12			DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
3	6	HV-11-131B	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311B	CLOSED	N/R		
1	R					217	217			
5603	PASSIVE	HV-011-131B	12			DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-131C	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311C	OPEN	N/R		
1	R					217	217			
5513	PASSIVE	HV-011-131C	12			DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
3	6	HV-11-131D	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311D	CLOSED	N/R		
1	R					217	217			
5604	PASSIVE	HV-011-131D	12			DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-132A	ESW	1A DIESEL GEN A LOOP A ESW OUT	M-11, Sht 1	311A	OPEN	N/R		
1	R					217	217			
5508	PASSIVE	HV-011-132A				DIESEL GENERATOR ENCLOSURE	OPEN	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	6	HV-11-132B	ESW	1B DIESEL GEN B LOOP A ESW OUT	M-11, Sht 1	311B	CLOSED	N/R		
1	N/A					217	217			
5607	PASSIVE	HV-011-132B				DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-132D	ESW	1D DIESEL GEN D LOOP A ESW OUT	M-11, Sht 1	311D	CLOSED	N/R		
1	R					217	217			
5608	PASSIVE	HV-011-132D				DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-133A	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311A	CLOSED	N/R		
1	R					217	217			
5507	PASSIVE	HV-011-133A	12			DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-133B	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311B	OPEN	N/R		
1	R					217	217			
5511	PASSIVE	HV-011-133B	12			DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
3	6	HV-11-133C	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311C	CLOSED	N/R		
1	R					217	217			
5514	PASSIVE	HV-011-133C	12			DIESEL GENERATOR	CLOSED	N/R		
3	6	HV-11-133D	ESW	ESW TO DIESEL GEN HTX'S	M-11, Sht 1	311D	OPEN	N/R		
1	R					217	217			
5612	PASSIVE	HV-011-133D	12			DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
3	6	HV-11-134A	ESW	1A DIESEL GEN A LOOP ESW OUT	M-11, Sht 1	311A	CLOSED	N/R		
1	R					217	217			
5509	PASSIVE	HV-011-134A				DIESEL GENERATOR ENCLOSURE	CLOSED	N/R		
3	6	HV-11-134B	ESW	1B DIESEL GEN B LOOP B ESW OUT	M-11, Sht 1	311B	OPEN	N/R		
1	R					217	217			
5615	PASSIVE	HV-011-134B				DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
3	6	HV-11-134D	ESW	1D DIESEL GEN D LOOP B ESW OUT	M-11, Sht 1	311D	OPEN	N/R		
1	R					217	217			
5616	PASSIVE	HV-011-134D				DIESEL GENERATOR ENCLOSURE	OPEN	N/R		
1	26	HV-12-003A	RHRSW	RHR SW/ESW WETWELL INLET GATE A (GATE A)	M-12	1000	OPEN	N/R		
Common	R					268	273			
4500	PASSIVE	HV-012-003A				SPRAY POND PUMP STRUCTURE	OPEN	N/R		
2	26	HV-12-003B	RHRSW	RHR SW/ESW WETWELL INLET GATE B (GATE B)	M-12	1005	OPEN	N/R		
Common	R					268	273			
4600	PASSIVE	HV-012-003B				SPRAY POND PUMP STRUCTURE	OPEN	N/R		
1	26	HV-12-003C	RHRSW	RHR SW/ESW WETWELL INLET GATE C (GATE C)	M-12	1000	OPEN	N/R		
Common	R					268	273			
4502	PASSIVE	HV-012-003C				SPRAY POND PUMP STRUCTURE	OPEN	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 Common 4602	26 R PASSIVE	HV-12-003D HV-012-003D	RHRSW	RHR SW/ESW WETWELL INLET GATE D (GATE D)	M-12	1005 268 SPRAY POND PUMP STRUCTURE	OPEN 273 OPEN	N/R N/R		
1 Common 4515	6 R PASSIVE	HV-12-017A HV-012-017A	RHRSW	RHR SW TO CLG TWRS CROSSTIE (TWR 1 - TWR 2)	M-12	1010 251 SPRAY POND PUMP STRUCTURE	CLOSED CLOSED	N/R N/R		
2 Common 4614	6 R PASSIVE	HV-12-017B HV-012-017B	RHRSW	RHR SW TO CLG. TOWER CROSSTIE (TWR 1 - TWR 2)	M-12	1015 251 SPRAY POND PUMP STRUCTURE	CLOSED CLOSED	N/R N/R		
1 Common 4516	6 SR ACTIVE	HV-12-031A HV-012-031A	RHRSW	SPRAY NOZZLES A & C BYPASS (SPRAY BYPASS A/C)	M-12	1010 251 SPRAY POND PUMP STRUCTURE	OPEN 256 OPEN/CLOSED	00B519 00B519, 1AD162		
2 Common 4615	6 SR ACTIVE	HV-12-031B HV-012-031B	RHRSW	SPRAY NOZZLES B & D BYPASS (SPRAY BYPASS B/D)	M-12	1015 251 SPRAY POND PUMP STRUCTURE	OPEN 256 OPEN/CLOSED	00B520 00B520		
1 Common 4517	6 R PASSIVE	HV-12-031C HV-012-031C	RHRSW	SPRAY NOZZLES A & C BYPASS (SPRAY BYPASS A/C)	M-12	1010 251 SPRAY POND PUMP STRUCTURE	OPEN 256 OPEN	N/R N/R		
2 Common 4616	6 R PASSIVE	HV-12-031D HV-012-031D	RHRSW	SPRAY NOZZLES B & D BYPASS (SPRAY BYPASS B/D)	M-12	1015 251 SPRAY POND PUMP STRUCTURE	OPEN 256 OPEN	N/R N/R		
1 Common 4518	6 SR ACTIVE	HV-12-032A HV-012-032A	RHRSW	SPRAY NOZZLES A INLET (SPRAY INLET A)	M-12	1010 251 SPRAY POND PUMP STRUCTURE	CLOSED 256 OPEN/CLOSED	00B519 00B519, 1AD162		
2 Common 4618	6 SR ACTIVE	HV-12-032B HV-012-032B	RHRSW	SPRAY NOZZLES B INLET (SPRAY INLET B)	M-12	1015 251 SPRAY POND PUMP STRUCTURE	CLOSED 256 OPEN/CLOSED	00B520 00B520		
1 Common 4519	6 SR ACTIVE	HV-12-032C HV-012-032C 26	RHRSW	SPRAY NOZZLES C INLET (SPRAY INLET C)	M-12	1010 251 SPRAY POND PUMP STRUCTURE	CLOSED 256 OPEN/CLOSED	00B521 00B521, 2CD162		
2 Common 4617	6 SR ACTIVE	HV-12-032D HV-012-032D	RHRSW	SPRAY NOZZLES D INLET (SPRAY INLET D)	M-12	1015 251 SPRAY POND PUMP STRUCTURE	CLOSED 256 OPEN/CLOSED	00B522 00B522		
3 Common 4520, 4619	6 N/A PASSIVE	HV-12-034A HV-012-034A 6	RHRSW	RHR SW TO SPRAY NOZZLES CROSSTIE (SPRAY A/C SPRAY B/D)	M-12	NR	CLOSED 256 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 4514	6 R PASSIVE	HV-12-111 HV-012-111	RHRSW	RHR S/W TO UNIT 1 CLG TOWER (TWR 1 RETURN)	M-12	NR	CLOSED CLOSED	N/R N/R		
3 1 2200	6 R PASSIVE	HV-40-1F001B HV-040-1F001B	MSIV-LCS	1B MSIV LEAK CONT INBRD BLEED PCIV (A)	M-40, Sht 1	407 253 REACTOR ENCLOSURE	CLOSED 272 CLOSED	N/R N/R		
3 1 2201	6 R PASSIVE	HV-40-1F001F HV-040-1F001F	MSIV-LCS	1F MSIV LEAK CONT INBRD BLEED PCIV (B)	M-40, Sht 1	407 253 REACTOR ENCLOSURE	CLOSED 272 CLOSED	N/R N/R		
3 1 2203	6 R PASSIVE	HV-40-1F001K HV-040-1F001K	MSIV-LCS	1K MSIV LEAK CONT INBRD BLEED PCIV (C)	M-40, Sht 1	407 253 REACTOR ENCLOSURE	CLOSED 272 CLOSED	N/R N/R		
3 1 2202	6 R PASSIVE	HV-40-1F001P HV-040-1F001P	MSIV-LCS	1P MSIV LEAK CONT INBRD BLEED PCIV (D)	M-40, Sht 1	407 253 REACTOR ENCLOSURE	CLOSED 272 CLOSED	N/R N/R		
1 1 3127	6 N/A PASSIVE	HV-41-109B HV-041-109B	NUCLEAR BOILER 11	1B RX FD WTR LINE FLUSHING PCIV (B)	M-41, Sht 1	518 279 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		
3 1 2204	6 R PASSIVE	HV-41-1F001 HV-041-1F001	NUCLEAR BOILER	NUCLEAR BOILER SYSTEM HEAD VENT VALVE (RAD WASTE)	M-41, SHT 1	400 237 REACTOR ENCLOSURE	CLOSED 313 CLOSED	N/R N/R		
1 1 3130	6 R PASSIVE	HV-41-1F011B HV-041-1F011B	NUCLEAR BOILER 20	1B RX FW INBRD. MAINTENANCE VLV. (B)	M-41, Sht 1	400 237 REACTOR ENCLOSURE	OPEN 286 OPEN	N/R N/R		
3 1 2208	6 R PASSIVE	HV-41-1F016 HV-041-1F016	NUCLEAR BOILER	MAIN STM LINE DRAIN INBOARD PCIV (STEAM DRAINS INBOARD)	M-41, SHT 2	400 237 REACTOR ENCLOSURE	CLOSED 253 CLOSED	N/R N/R		
3 1 2209	5 SR ACTIVE	HV-41-1F022A HV-041-1F022A	NUCLEAR BOILER	'A' MAIN STM ISOL VLV INBD PCIV (MAIN STEAM INBOARD A)	M-41, SHT 2	400 237 REACTOR ENCLOSURE	OPEN 273 CLOSED	N/R N/R		
3 1 2210	5 SR ACTIVE	HV-41-1F022B HV-041-1F022B	NUCLEAR BOILER	'B' MAIN STM ISOL VLV INBD PCIV (MAIN STEAM INBOARD B)	M-41, SHT 2	400 237 REACTOR ENCLOSURE	OPEN 273 CLOSED	N/R N/R		
3 1 2211	5 SR ACTIVE	HV-41-1F022C HV-041-1F022C	NUCLEAR BOILER	'C' MAIN STM ISOL VLV INBD PCIV (MAIN STEAM INBOARD C)	M-41, SHT 2	400 237 REACTOR ENCLOSURE	OPEN 273 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	5	HV-41-1F022D	NUCLEAR BOILER	'D' MAIN STM ISOL VLV INBD PCIV (MAIN STEAM INBOARD D)	M-41, SHT 2	400	OPEN	N/R		
1	SR					237	273			
2212	ACTIVE	HV-041-1F022D				REACTOR ENCLOSURE	CLOSED	N/R		
1	6	HV-41-1F032B	NUCLEAR BOILER	LOOP B FD WTR INLET CHECK PCIV (INLET B)	M-41, Sht 1	518	CLOSED	N/R		
1	SR					279	279			
3128	PASSIVE	HV-041-1F032B	12			REACTOR ENCLOSURE	CLOSED	N/R		
1	5	HV-41-1F074B	RCIC	'B' FEEDWATER LOOP SUPPLY OUTBRD PCIV (CHECK B)	M-41, Sht 1	518	OPERABLE	N/R		
1	SR					279	279			
3129	PASSIVE	HV-041-1F074B				REACTOR ENCLOSURE	OPERABLE	N/R		
3	S	HV-44-1F001	RWCU	RX WTR CLEANUP INBOARD PCIV (INBOARD)	M-44, Sht 1	400	OPEN	10B211		
1	S					237	286			
2213	ACTIVE	HV-044-1F001				REACTOR ENCLOSURE	CLOSED	10B211		
1	6	HV-49-1F007	RCIC	RCIC MAIN STEAM SUPPLY INBRD PCIV (INBOARD)	M-49, Sht 1	400	OPEN	N/R		
1	R					237	238			
3101	PASSIVE	HV-049-1F007				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-49-1F008	RCIC	RCIC STEAM LINE OUTBOARD PCIV (OUTBOARD)	M-49, Sht 1	309E	OPEN	N/R		
1	R					217	217			
3102	PASSIVE	HV-049-1F008				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-49-1F012	RCIC	RCIC PP. DISCH. OUTBD. ISOL VLV. (DISCHARGE)	M-49, Sht 1	200	OPEN	N/R		
1	R					201	201			
3123	PASSIVE	HV-049-1F012				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-49-1F013	RCIC	RCIC PP. DISCH INBRD PCIV (FEED)	M-49, Sht 1	407	CLOSED	10D201		
1	SR					253	279			
3125	ACTIVE	HV-049-1F013				REACTOR ENCLOSURE	OPEN	10D201, 1AD102		
1	6	HV-49-1F019	RCIC	RCIC PUMP MIN FLOW PCIV (MIN FLOW)	M-49, Sht 1	203	CLOSED	10D201		
1	SR					201	201			
3121	ACTIVE	HV-049-1F019				REACTOR ENCLOSURE	OPEN/CLOSED	10D201, 1AD102		
1	6	HV-49-1F022	RCIC	RCIC FULL FLOW TEST VLV. (TEST ISOL)	M-49, Sht 1	200	CLOSED	N/R		
1	R					201	201			
3124	PASSIVE	HV-049-1F022				REACTOR ENCLOSURE	CLOSED	N/R		
1	6	HV-49-1F029	RCIC	RCIC PP. SUCTION FROM SUPPRESSION POOL (SUPP POOL SUCTION)	M-49, Sht 1	108	CLOSED	10D201		
1	SR					177	177			
3116	ACTIVE	HV-049-1F029				REACTOR ENCLOSURE	OPEN	10D201, 1AD102		
1	6	HV-49-1F031	RCIC	RCIC PUMP SUCTION FROM SUPP POOL PCIV (SUPP POOL)	M-49, Sht 1	108	CLOSED	10D201		
1	SR					177	181			
3115	ACTIVE	HV-049-1F031				REACTOR ENCLOSURE	OPEN	10D201, 1AD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 3110	6 R PASSIVE	HV-49-1F060 HV-049-1F060	RCIC	RCIC TURBINE EXH PCIV (EXHAUST)	M-49, Sht 1	289 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 3111	6 R PASSIVE	HV-49-1F080 HV-049-1F080	RCIC	RCIC TURB EXHAUST LINE VAC. BKR PCIV (OUTBOARD)	M-49, Sht 1	203 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 3112	6 R PASSIVE	HV-49-1F084 HV-049-1F084	RCIC	RCIC TURB EXHAUST VACUUM BREAKER PCIV (INBOARD)	M-49, Sht 1	203 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 3105	6 SR ACTIVE	HV-50-112 HV-050-112	RCIC	REACTOR CORE ISOLATION COOLING TURBINE TRIP THROTTLE VALVE	M-50, Sht 1	108 177 REACTOR ENCLOSURE	OPEN 177 OPEN	10D201 10D201, 1AD102		
1 1 3104	6 SR ACTIVE	HV-50-1F045 HV-050-1F045	RCIC	RCIC STM. SUPPLY VLV. (INLET)	M-50, Sht 1	108 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	10D201 10D201, 1AD102		
1 1 3118	6 SR ACTIVE	HV-50-1F046 HV-050-1F046	RCIC	RCIC LUBE OIL CLG WTR. SUPPLY VLV. (COOLING WATER)	M-50, Sht 1	108 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	10D201 10D201, 1AD102		
2 1 3406	6 R PASSIVE	HV-51-105A HV-051-105A	RHR	1C RHR PP. MIN. FLOW BYPASS PCIV (MIN FLOW C SHUTOFF)	M-51, SHT 1	203 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
2 1 3205	6 R PASSIVE	HV-51-105B HV-051-105B	RHR	1D RHR PP. MIN. FLOW BYPASS PCIV (MIN FLOW D SHUTOFF)	M-51, Sht 3	204 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 4109, 4727	6 R PASSIVE	HV-51-125A HV-051-125A	RHR	RHR LOOPS A & C FULL FLOW TEST S/O PCIV (RETURN)	M-51, Sht 1	304W 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
2 1 4208, 4408, 4808	6 R PASSIVE	HV-51-125B HV-051-125B	RHR	RHR LOOPS B & D FULL FLOW TEST S/O PCIV (RETURN)	M-51, Sht 3	304E 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
3 1 3323, 2220, 4116, 4313, 4712	6 N/A PASSIVE	HV-51-153A HV-051-153A	HPCI 6	HPCI STM. TO '1A' RHR HTX. BPV (SUPPLY BYPASS)	M-51, SHT 2	309W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 3325, 2221, 4215, 4415, 4815	6 N/A PASSIVE	HV-51-153B HV-051-153B	HPCI 6	HPCI STM. TO '1B' RHR HTX. BPV (SUPPLY BYPASS)	M-51, SHT 4	309W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train Unit Line No.	Class Eval Req'd Function	Equip ID PIMS ID	System Notes	Equip Description ROB Mother Comp	Drawing No.	Room No. Room Elev Building	Norm state Equip Elev Req'd State	Motive power Contr power	Support System	Supp Sys dwg
1 1 4505	5 R PASSIVE	HV-51-157A HV-051-157A	RHR	1A RHR HTX. TUBE SIDE FLUSH INLET VLV.	M-51, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
2 1 4606	5 R PASSIVE	HV-51-157B HV-051-157B	RHR	1B RHR HTX. TUBE SIDE FLUSH INLET VLV.	M-51, Sht 4	204 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
1 1 3408, 4113, 4310, 4709	6 N/A PASSIVE	HV-51-182A HV-051-182A	RHR 6	1A RHR HTX INLET FROM 1C RHR PUMP	M-51, SHT 1	309W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
2 1 3207, 4212, 4412, 4812	6 N/A PASSIVE	HV-51-182B HV-051-182B	RHR 6	1D RHR PP. DISCHARGE TO 1B RHR HTX. VLV.	M-51, Sht 3	309E 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
1 1 4119, 4317, 4716	6 R PASSIVE	HV-51-1F003A HV-051-1F003A	RHR	1A RHR HTX. SHELL SIDE OUTLET VLV. (OUTLET)	M-51, Sht 2	203 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
2 1 4218, 4418, 4818	6 R PASSIVE	HV-51-1F003B HV-051-1F003B	RHR	1B RHR HTX. SHELL SIDE OUTLET VLV. (OUTLET)	M-51, Sht 4	204 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 4102, 4304, 4703	6 SR PASSIVE	HV-51-1F004A HV-051-1F004A	RHR	1A RHR PUMP SUCTION PCIV (SUCTION A)	M-51, Sht 1	102 177 REACTOR ENCLOSURE	OPEN 177 OPEN/CLOSED	10B211 10B211,10Y101		
2 1 4202, 4402, 4802	6 R PASSIVE	HV-51-1F004B HV-051-1F004B	RHR	1B RHR PUMP SUCTION PCIV (SUCTION B)	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPEN 177 OPEN	N/R N/R		
2 1 3402	6 R PASSIVE	HV-51-1F004C HV-051-1F004C	RHR	1C RHR PUMP SUCTION PCIV (SUCTION C)	M-51, SHT 1	102 177 REACTOR ENCLOSURE	OPEN 177 OPEN	N/R N/R		
2 1 3202	6 R PASSIVE	HV-51-1F004D HV-051-1F004D	RHR	1D RHR PUMP SUCTION PCIV (SUCTION D)	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPEN 177 OPEN	N/R N/R		
1 1 4103, 4303	6 SR ACTIVE	HV-51-1F006A HV-051-1F006A	RHR 15	1A RHR PP. S/D CLG. SUCT. INTERTIE VLV. (LOOP A SUCTION)	M-51, Sht 1	102 177 REACTOR ENCLOSURE	CLOSED 177 OPEN/CLOSED	10B211 10B211,10Y101		
1 1 4302	6 R PASSIVE	HV-51-1F006B HV-051-1F006B	RHR	1B RHR PP. S/D CLG SUCT. VLV. (LOOP B SUCTION)	M-51, Sht 3	103 177 REACTOR ENCLOSURE	CLOSED 177 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 4105, 4306, 4705	6 SR ACTIVE	HV-51-1F007A HV-051-1F007A	RHR	1A RHR PP. MIN FLOW VLV. (MIN FLOW A)	M-51, Sht 1	102 177 REACTOR ENCLOSURE	OPEN 177 OPEN/CLOSED	10B215 10B215, 10Y101		
2 1 4204, 4404, 4804	6 SR ACTIVE	HV-51-1F007B HV-051-1F007B	RHR	1B RHR PP. MIN. FLOW VALVE (MIN FLOW B)	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPEN 177 OPEN/CLOSED	10B216 10B216		
2 1 3405	6 SR ACTIVE	HV-51-1F007C HV-051-1F007C	RHR	1C RHR PP. MIN. FLOW VLV. (MIN FLOW C)	M-51, SHT 1	102 177 REACTOR ENCLOSURE	OPEN 177 OPEN/CLOSED	10B217 10B217		
2 1 3204	6 SR ACTIVE	HV-51-1F007D HV-051-1F007D	RHR	1D RHR PP MIN FLOW VLV. (MIN FLOW D)	M-51, Sht 3	103 177 REACTOR ENCLOSURE	OPEN 177 OPEN/CLOSED	10B218 10B218		
1 1 4301, 4702	6 SR ACTIVE	HV-51-1F008 HV-051-1F008	RHR	RHR SHUTDOWN CLG SUCTION OUTBRD PCIV (OUTBOARD)	M-51, Sht 1	309E, 309W 217 REACTOR ENCLOSURE	CLOSED 217 OPEN/CLOSED	10B216 10B216, 10Y102		
1 1 4300, 2222	6 SR ACTIVE	HV-51-1F009 HV-051-1F009	RHR	RHR SHUTDOWN CLG SUCTION INBRD PCIV (INBOARD)	M-51, Sht 3	400 237 REACTOR ENCLOSURE	CLOSED 253 OPEN/CLOSED	10B211 10B211, 10Y101		
2 1 3409, 4108, 4722	6 R PASSIVE	HV-51-1F010A HV-051-1F010A	RHR	1C RHR PP. FULL FLOW TEST RETURN VLV. (FLOW TEST C)	M-51, SHT 1	304W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
2 1 3208, 4207, 4407, 4807	6 R PASSIVE	HV-51-1F010B HV-051-1F010B	RHR	1D RHR PP. FULL FLOW TEST RETURN VLV. (FLOW TEST D)	M-51, Sht 3	304E 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
1 1 4106, 4315, 4714	6 R PASSIVE	HV-51-1F011A HV-051-1F011A	RHR	1A RHR HTX. FLUSH LINE TO SUPP POOL (TO SUPP POOL RETURN)	M-51, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
2 1 4205, 4405, 4805	6 R PASSIVE	HV-51-1F011B HV-051-1F011B	RHR	1B RHR HTX. FLUSH LINE TO SUPP. POOL VLV. (TO SUPP POOL RETURN)	M-51, Sht 4	204 201 REACTOR ENCLOSURE	CLOSED 181 CLOSED	N/R N/R		
1 1 4504	6 SR ACTIVE	HV-51-1F014A HV-051-1F014A	RHR	1A RHR HTX. RHR S.W. INLET VLV. (1A)	M-51, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	10B211 10B211, 10Y101		
2 1 4605	6 SR ACTIVE	HV-51-1F014B HV-051-1F014B	RHR	1B RHR HTX. S.W. INLET VLV. (1B)	M-51, Sht 4	204 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	10B212 10B212		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 4122, 4326, 4726	6 SR ACTIVE	HV-51-1F015A HV-051-1F015A	RHR 14	1A SHUTDOWN CLG INJECTION PCIV (OUTBOARD)	M-51, Sht 1	309W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	10B212 10B212, 10Y102		
2 1 4220, 4420, 4821	6 SR ACTIVE	HV-51-1F015B HV-051-1F015B	RHR 17	1B RHR SHUTDOWN CLG INJECTION PCIV (OUTBOARD)	M-51, Sht 3	308E 217 REACTOR ENCLOSURE	CLOSED 217 OPEN/CLOSED	N/A N/A		
1 1 4123, 4319, 4718	6 SR ACTIVE	HV-51-1F016A HV-051-1F016A	RHR	1A RHR CNTMT SPRAY LINE OUTBOARD PCIV (OUTBOARD)	M-51, Sht 1	501 283 REACTOR ENCLOSURE	CLOSED 283 OPEN	N/A N/A		
2 1 4224, 4424, 4823	6 SR ACTIVE	HV-51-1F016B HV-051-1F016B	RHR	1B RHR CNTMT SPRAY LINE OUTBOARD PCIV (OUTBOARD)	M-51, Sht 3	523 295 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/A N/A		
1 1 4125, 4323, 4724	6 SR ACTIVE	HV-51-1F017A HV-051-1F017A	RHR 16	1A RHR LPCI INJ PCIV (OUTBOARD A)	M-51, Sht 1	510 283 REACTOR ENCLOSURE	CLOSED 283 OPEN/CLOSED	N/A N/A		
2 1 4223, 4426, 4826	6 SR ACTIVE	HV-51-1F017B HV-051-1F017B	RHR 18	1B RHR LPCI INJ PCIV (OUTBOARD B)	M-51, Sht 3	599 283 REACTOR ENCLOSURE	CLOSED 283 OPEN/CLOSED	10B214 10B214		
2 1 3411	6 SR ACTIVE	HV-51-1F017C HV-051-1F017C	RHR	1C RHR LPCI INJ PCIV (OUTBOARD C)	M-51, SHT 1	510 283 REACTOR ENCLOSURE	CLOSED 283 OPEN	10B223 10B223		
2 1 3210	6 SR ACTIVE	HV-51-1F017D HV-051-1F017D	RHR	1D RHR LPCI INJ PCIV (OUTBOARD D)	M-51, Sht 3	599 283 REACTOR ENCLOSURE	CLOSED 283 OPEN	10B224 10B224		
1 1 4719	6 SR ACTIVE	HV-51-1F021A HV-051-1F021A	RHR	1A RHR CNTMT SPRAY LINE INBOARD PCIV (INBOARD)	M-51, SHT 1	501 283 REACTOR ENCLOSURE	CLOSED 283 OPEN	10B213 N/A		
2 1 4824	6 SR ACTIVE	HV-51-1F021B HV-051-1F021B	RHR	1B RHR CNTMT SPRAY LINE INBOARD PCIV (INBOARD)	M-51, SHT 3	523 295 REACTOR ENCLOSURE	CLOSED 283 OPEN	10B214 10B214		
1 1 4107, 4320, 4720	6 SR ACTIVE	HV-51-1F024A HV-051-1F024A	RHR	1A RHR PP. FULL FLOW TEST RETURN VLV. (SUPP POOL CLG A)	M-51, Sht 1	304W 217 REACTOR ENCLOSURE	CLOSED 227 OPEN/CLOSED	10B211 10B211, 10Y101		
2 1 4206, 4406, 4806	6 SR ACTIVE	HV-51-1F024B HV-051-1F024B	RHR	1B RHR PP. FULL FLOW TEST RETURN VLV. (SUPP POOL CLG B)	M-51, Sht 3	304E 217 REACTOR ENCLOSURE	CLOSED 227 OPEN/CLOSED	10B212 10B212		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 4118, 4316, 4715, 3134	6 R PASSIVE	HV-51-1F026A HV-051-1F026A	RHR	1A RHR HTX. OUTLET TO RCIC PP. SUCT. ISOL. VLV. (TO RCIC)	M-51, Sht 2	102 177 REACTOR ENCLOSURE	CLOSED 177 CLOSED	N/R N/R		
2 1 4217, 4417, 4817, 3136	6 R PASSIVE	HV-51-1F026B HV-051-1F026B	RHR	1B RHR HTX. OUTLET TO RCIC PP. SUCT. ISOL. VLV. (TO RCIC)	M-51, Sht 4	103 177 REACTOR ENCLOSURE	CLOSED 177 CLOSED	N/R N/R		
1 1 4126, 4321, 4721	6 R PASSIVE	HV-51-1F027A HV-051-1F027A	RHR	1A RHR SUPP POOL SPRAY LINE PCIV (SUPP POOL SPRAY)	M-51, Sht 1	304W 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
2 1 4225, 4422, 4822	6 R PASSIVE	HV-51-1F027B HV-051-1F027B	RHR	1B RHR SUPP POOL SPRAY LINE PCIV (SUPP POOL SPRAY)	M-51, Sht 3	304E 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
1 1 4120. 4318, 4717	6 R PASSIVE	HV-51-1F040 HV-051-1F040	RHR	'A' RHR DRAIN TO R/W OUTBOARD ISOL. VLV. (OUTBOARD)	M-51, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
3 1 4324, 2223	5 S PASSIVE	HV-51-1F041A HV-051-1F041A	RHR 18	1A LPCI INJ HDR TESTABLE CHK AND BYPASS PCIV (INBOARD CHECK A)	M-51, Sht 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/R N/R		
3 1 4427, 2224	5 S PASSIVE	HV-51-1F041B HV-051-1F041B	RHR	1B LPCI INJ HDR TESTABLE CHECK AND BYPASS PCIV (INBOARD CHECK B)	M-51, Sht 3	400 237 REACTOR ENCLOSURE	OPERABLE 296 OPERABLE	N/R N/R		
3 1 2215, 3412	5 S PASSIVE	HV-51-1F041C HV-051-1F041C	RHR	1C LPCI INJ HDR TESTABLE CHK AND BYPASS PCIV (INBOARD CHECK C)	M-51, Sht 1	400 237 REACTOR ENCLOSURE	OPERABLE 296 OPERABLE	N/R N/R		
3 1 3211, 2225	5 S PASSIVE	HV-51-1F041D HV-051-1F041D	RHR	1D LPCI INJ HDR TESTABLE CHK AND BYPASS PCIV (INBOARD CHECK D)	M-51, Sht 3	400 237 REACTOR ENCLOSURE	OPERABLE 296 OPERABLE	N/R N/R		
1 1 4112, 4309, 4708	6 R PASSIVE	HV-51-1F047A HV-051-1F047A	RHR	1A RHR HTX. SHELL SIDE INLET VLV. (INLET)	M-51, Sht 1	309W 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
2 1 4210, 4411, 4811	6 R PASSIVE	HV-51-1F047B HV-051-1F047B	RHR	1B RHR HTX. SHELL SIDE INLET VLV. (INLET)	M-51, Sht 3	309E 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
1 1 4327, 2226	5 RS PASSIVE	HV-51-1F050A HV-051-1F050A	RHR	'A' LOOP S/D CLG INJ HDR TESTABLE CHK & BYPASS PCIV	M-51, Sht 1	400 237 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No	Room No / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
2 1 4423, 2227	5 S PASSIVE	HV-51-1F050B HV-051-1F050B	RHR	'B' LOOP S/D CLG INJ HDR TESTABLE CHECK & BYPASS PCIV (CHECK)	M-51, Sht 3	400 253 REACTOR ENCLOSURE	OPERABLE 265 OPERABLE	N/R N/R		
3 1 3324, 4115, 4312, 4711, 2228	6 N/A PASSIVE	HV-51-1F052A HV-051-1F052A	HPCI 6	HPCI STM. TO SHELL SIDE 1A RHR HTX VLV (STEAM SUPPLY)	M-51, SHT 2	309W 217 REACTOR ENCLOSURE	CLOSED CLOSED	N/R N/R		
3 1 3326, 4214, 4414, 4814, 2229	6 N/A PASSIVE	HV-51-1F052B HV-051-1F052B	HPCI 6	HPCI STM. TO SHELL SIDE 1B RHR HTX VLV (STEAM SUPPLY)	M-51, SHT 4	309W 217 REACTOR ENCLOSURE	CLOSED CLOSED	N/R N/R		
1 1 4507	6 SR ACTIVE	HV-51-1F068A HV-051-1F068A	RHRSW	1A RHR HTX. S.W. OUTLET VLV. (1A)	M-51, Sht 2	203 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	10B217 10B217, 10Y103		
2 1 4508	6 SR ACTIVE	HV-51-1F068B HV-051-1F068B	RHR	1B RHR HTX. S.W. OUTLET VLV (1B)	M-51, Sht 4	204 201 REACTOR ENCLOSURE	CLOSED 201 OPEN	10B218 10B218		
2 1 4603	6 R PASSIVE	HV-51-1F073 HV-051-1F073	RHR	RHR SERVICE WATER CROSSTIE (CROSS TIE)	M-51, Sht 4	204 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
1 1 3314	5 S PASSIVE	HV-52-108 HV-052-108	HPCI	1B LOOP OUTBRD DISCH A/O CHECK PCIV (OUTBOARD CHECK)	M-52, SHT 1	523 295 REACTOR ENCLOSURE	OPERABLE 283 OPERABLE	N/R N/R		
3 1 7200	8 R PASSIVE	HV-52-139 HV-052-139	CS, SP FILL	LT-140B(H) SUPP POOL LEVEL ROOT VALVE PCIV (SUPP POOL)	M-52, SHT 1	118 177 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
3 1 2216	5 R PASSIVE	HV-52-1F006A HV-052-1F006A	CORE SPRAY	1A LOOP TESTABLE CHECK PCIV (INBOARD CHECK)	M-52, Sht 1	400 237 REACTOR ENCLOSURE	OPERABLE 286 OPERABLE	N/R N/R		
3 1 2217, 3315	5 R PASSIVE	HV-52-1F006B HV-052-1F006B	CORE SPRAY	1B LOOP TESTABLE CHECK PCIV (INBOARD CHECK)	M-52, Sht 1	101 295 REACTOR ENCLOSURE	OPERABLE 297 OPERABLE	N/R N/R		
1 1 3313	6 R PASSIVE	HV-52-1F037 HV-052-1F037	HPCI	1B LOOP INBOARD DISCH. VLV. (INBOARD DISCHARGE)	M-52, SHT 1	523 295 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		
3 1 7201	6 R PASSIVE	HV-55-120 HV-055-120	HPCI	LT-1N062B,1N062F,115,116,LT-52-140B S/P LVL RVL PCIV(S/P)	M-55, SHT 1	204 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	6	HV-55-121	HPCI	LT-1N062B LT-1N062F LT-115 LT-116 SUPP POOL LVL ROOT	M-55, SHT 1	204	OPEN	N/R		
1	R					201	201			
7202	PASSIVE	HV-055-121				REACTOR ENCLOSURE	OPEN	N/R		
3	6	HV-55-126	SPI	SUPP POOL LEVEL INST ISOLATION VALVE	M-55, SHT 1	204	OPEN	N/R		
1	R					201	201			
7203	PASSIVE	HV-055-126				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-55-1F001	HPCI	HPCI TURBINE STEAM SUPPLY VLV. (INLET)	M-55, SHT 1	109	CLOSED	10D202		
1	SR					177	177			
3328	ACTIVE	HV-055-1F001				REACTOR ENCLOSURE	OPEN	10D202		
3	6	HV-55-1F002	HPCI	HPCI MAIN STEAM SUPPLY INBRD PCIV (INBOARD)	M-55, Sht 1	101	OPEN	10B224		
1	SR					253	245			
2218, 3321	ACTIVE	HV-055-1F002				REACTOR ENCLOSURE	OPEN	10B224		
1	6	HV-55-1F003	HPCI	HPCI MAIN STEAM SUPPLY OUTBRD PCIV (OUTBOARD)	M-55, SHT 1	309W	OPEN	N/R		
1	R					217	217			
3322	PASSIVE	HV-055-1F003				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-55-1F006	HPCI	HPCI PUMP DISCHARGE VALVE (INJECTION)	M-55, SHT 1	500	CLOSED	10D203		
1	SR					283	283			
3312	ACTIVE	HV-055-1F006				REACTOR ENCLOSURE	OPEN	10D203		
1	6	HV-55-1F007	HPCI	HPCI PUMP DISCHARGE VALVE (DISCHARGE)	M-55, SHT 1	200	OPEN	N/R		
1	R					201	201			
3308	PASSIVE	HV-055-1F007				REACTOR ENCLOSURE	OPEN	N/R		
1	6	HV-55-1F008	HPCI	HPCI TEST LOOP SHUTOFF VALVE (TEST ISOL)	M-55, SHT 1	200	CLOSED	N/R		
1	R					201	201			
3311	PASSIVE	HV-055-1F008				REACTOR ENCLOSURE	THROTTLING	N/R		
1	6	HV-55-1F012	HPCI	HPCI PUMP MIN FLOW PCIV (MIN FLOW)	M-55, SHT 1	288	CLOSED	N/R		
1	SR					201	201			
3307	PASSIVE	HV-055-1F012				REACTOR ENCLOSURE	OPEN/CLOSED	N/R		
1	6	HV-55-1F041	HPCI	HPCI PP. SUCT. FROM SUPP. POOL VALVE (SUPP POOL SUCTION)	M-55, SHT 1	109	CLOSED	10D202		
1	SR					177	177			
3303	ACTIVE	HV-055-1F041				REACTOR ENCLOSURE	OPEN	10D202		
1	6	HV-55-1F042	HPCI	HPCI PUMP SUCTION FROM SUPP POOL PCIV (SUPP POOL)	M-55, SHT 1	109	OPEN	10D202		
1	SR					177	177			
3302	ACTIVE	HV-055-1F042				REACTOR ENCLOSURE	OPEN	10D202		
1	6	HV-55-1F072	HPCI	HPCI TURB EXHAUST PCIV (EXHAUST)	M-55, SHT 1	288	OPEN	N/R		
1	R					201	201			
3333	PASSIVE	HV-055-1F072				REACTOR ENCLOSURE	OPEN	N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1 1 3334	6 R PASSIVE	HV-55-1F093 HV-055-1F093	HPCI	HPCI TURB EXHAUST LINE VAC BKR PCIV (OUTBOARD)	M-55, SHT 1	200 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 3335	6 R PASSIVE	HV-55-1F095 HV-055-1F095	HPCI	HPCI TURB EXHAUST VACUUM BREAKER PCIV (INBOARD)	M-55, SHT 1	288 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/R N/R		
1 1 3309	6 SR ACTIVE	HV-55-1F105 HV-055-1F105	HPCI	HPCI PUMP DISCHARGE PCIV (TO MAIN FEED A)	M-55, SHT 1	518 279 REACTOR ENCLOSURE	CLOSED 283 CLOSED/OPEN	N/R N/R		
1 1 3340	6 SR ACTIVE	HV-56-1F059 HV-056-1F059	HPCI	HPCI LUBE OIL COOLING WATER VLV. (COOLING WATER)	M-56, SHT 1	109 177 REACTOR ENCLOSURE	CLOSED 177 OPEN	10D202 10D202		
3 1 2328	5 SR PASSIVE	HV-57-104 HV-057-104	CAC	SUPP POOL PURGE TO SGTS INBD PCIV (SUPP POOL EXHAUST)	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2327	6 R PASSIVE	HV-57-105 HV-057-105	CAC	SUPP POOL PURGE EXH BYPASS INBRD PCIV (SUPP POOL EXH BYPASS)	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2313	6 SR PASSIVE	HV-57-109 HV-057-109	CAC	NITROGEN PURGE PCIV (PURGE ISOLATION)	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 240 CLOSED	N/R N/R		
3 1 2316	6 SR PASSIVE	HV-57-111 HV-057-111	CAC	DRYWELL PURGE EXH BYPASS INBRD PCIV (DRYWELL EXH BYPASS (INBD))	M-57, SHT 2	510 283 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		
3 1 2325	6 SR PASSIVE	HV-57-112 HV-057-112	CAC	SUPP POOL PURGE AIR EXHAUST PCIV (EXHAUST ISOLATION)	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2317	5 SR PASSIVE	HV-57-114 HV-057-114	CAC	DRYWELL PURGE TO SGTS INBD. PCIV (DRYWELL EXHAUST)	M-57, SHT 2	506 283 REACTOR ENCLOSURE	CLOSED 313 CLOSED	N/R N/R		
3 1 2315	6 SR PASSIVE	HV-57-115 HV-057-115	CAC	DRYWELL PURGE AIR PCIV (EXHAUST ISOLATION)	M-57, SHT 2	506 283 REACTOR ENCLOSURE	CLOSED 313 CLOSED	N/R N/R		
3 1 2319	5 SR PASSIVE	HV-57-117 HV-057-117	CAC	D/W PURGE TO EQUIP COMPT EXH OUTBD PCIV (TO RX ENCL FLTR (OUTBD))	M-57, SHT 2	510 283 REACTOR ENCLOSURE	CLOSED 283 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 2329	5 SR PASSIVE	HV-57-118 HV-057-118	CAC	SUPP POOL PURGE TO EQ COMPT EXH OUTBD PCIV	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2309	5 SR PASSIVE	HV-57-121 HV-057-121	CAC	DRYWELL NITROGEN PURGE INBRD PCIV (DRYWELL PURGE)	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 240 CLOSED	N/R N/R		
3 1 2310	5 SR PASSIVE	HV-57-123 HV-057-123	CAC	DRYWELL AIR PURGE INBRD PCIV (DRYWELL VENT (INBD))	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 240 CLOSED	N/R N/R		
3 1 2322	5 SR PASSIVE	HV-57-124 HV-057-124	CAC	SUPP POOL AIR PURGE INBD PCIV (SUPP POOL VENT (INBD))	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2311	5 SR PASSIVE	HV-57-131 HV-057-131	CAC	SUPP POOL NITROGEN PURGE INBRD PCIV (SUPP POOL PURGE)	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2308	6 RS PASSIVE	HV-57-135 HV-057-135	CAC	DRYWELL PURGE AIR INLET PCIV (DRYWELL VENT (OUTBD))	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2321	6 SR PASSIVE	HV-57-147 HV-057-147	CAC	SUPP POOL PURGE AIR INLET PCIV (SUPP POOL VENT (OUTBD))	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2318	6 SR PASSIVE	HV-57-161 HV-057-161	CAC	A CONTMT HYD RECOMB INBRD INLET PCIV	M-57, SHT 2	506 283 REACTOR ENCLOSURE	CLOSED 313 CLOSED	N/R N/R		
3 1 2326	6 SR PASSIVE	HV-57-162 HV-057-162	CAC	A CONTMT HYD RECOMB INBRD OUTLET PCIV	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2312	6 SR PASSIVE	HV-57-163 HV-057-163	CAC	B CONTMT HYD RECOMB INBRD INLET PCIV	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 240 CLOSED	N/R N/R		
3 1 2323	6 SR PASSIVE	HV-57-164 HV-057-164	CAC	B CONTMT HYD RECOMB INBRD OUTLET PCIV	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
3 1 2330	6 SR PASSIVE	HV-57-166 HV-057-166	CAC	A CNTMT HYD RECOMB OUTBRD OUTLET PCIV	M-57, SHT 2	304 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 2324	6 SR PASSIVE	HV-57-169 HV-057-169	CAC	B CNTMT H2 HYD RECOMB OUTBRD OUTLET PCIV	M-57, SHT 1	309 217 REACTOR ENCLOSURE	CLOSED 217 CLOSED	N/R N/R		
2 1 6100	6 R PASSIVE	HV-59-151B HV-059-151B	PCIG	ADS INSTRUMENT GAS PCIV (B)	M-59, SHT 1	304E 241 REACTOR ENCLOSURE	OPEN 217 OPEN	N/R N/R		
3 1 2331	5 SR ACTIVE	HV-61-110 HV-061-110	LIQUID RADWASTE COLLECTION	D/W FLOOR DRN SUMP PCIV (INBOARD) PEN-X231A	M-61, SHT 1	209 201 REACTOR ENCLOSURE	OPEN 208 CLOSED	N/R N/R		
3 1 2332	5 R PASSIVE	HV-61-111 HV-061-111	LIQUID RADWASTE COLLECTION	D/W FLOOR DRN SUMP PCIV (OUTBOARD)	M-61, SHT 1	209 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
3 1 2335	5 SR ACTIVE	HV-61-130 HV-061-130	LIQUID RADWASTE COLLECTION	D/W EQUIP DRN SUMP PCIV (INBOARD) PEN-X231B	M-61, SHT 1	209 201 REACTOR ENCLOSURE	OPEN 208 CLOSED	N/R N/R		
3 1 2334	5 R PASSIVE	HV-61-131 HV-061-131	LIQUID RADWASTE COLLECTION	D/W EQUIP DRN TANK PCIV (OUTBOARD)	M-61, SHT 1	209 201 REACTOR ENCLOSURE	CLOSED 201 CLOSED	N/R N/R		
1 1 4111, 4308, 4707	6 SR ACTIVE	HV-C51-1F048A HV-C-051-1F048A	RHR	1A RHR HTX. SHELL SIDE BYPASS VLV. (HEAT EXCH BYPASS)	M-51, Sht 1	309W 217 REACTOR ENCLOSURE	OPEN 217 CLOSED	10B211 10B211, 10Y101		
2 1 4211, 4410, 4810	6 SR ACTIVE	HV-C51-1F048B HV-C-051-1F048B	RHR	1B RHR HTX. SHELL SIDE BYPASS VLV. (HEAT EXCH BYPASS)	M-51, Sht 3	309E 217 REACTOR ENCLOSURE	OPEN 217 CLOSED	10B212 10B212		
3 1 7204	17 BR ACTIVE	LI-52-140A LI-052-140A	CS, SP FILL	SUPPRESSION POOL LEVEL 10C648	M-52, SHT 1	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A 10Y101, 1AD102		
3 1 7205	17 BR ACTIVE	LI-52-140B LI-052-140B	CS, SP FILL	SUPPRESSION POOL LEVEL 10C648	M-52, SHT 1	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A 10Y102		
3 1 7206	17 BR ACTIVE	LI-55-115-1 LI-055-115-1	SPI	SUPPRESSION POOL LEVEL	M-55, SHT 1	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A 10Y105		
3 1 7207	17 BR ACTIVE	LI-55-115-2 LI-055-115-2	SPI	SUPPRESSION POOL LEVEL INDICATOR (LV) 10C201	M-55, SHT 1	540 289 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	N/A 10Y105		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	LI-55-141	SPI	SUPPRESSION POOL LEVEL INDICATOR (LV)	M-55, SHT 1	540	OPERABLE	N/A		
1	BR					289	289			
7208	ACTIVE	LI-055-141		10C201		CONTROL STRUCTURE	OPERABLE	1AD102		
3	17	LSH-49-1N010	RCIC	RCIC STM LINE DRAIN POT	N/A	108	OPERABLE	N/A		
1	S					177	177			
9511	ACTIVE	LSH-049-1N010				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LSH-50-120	N/A	RCIC GLAND SEAL COND VAC TANK	N/A	108	OPERABLE	N/A		
1	B					177	177			
9512	ACTIVE	LSH-050-120		10E209		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LSH-55-1N014	N/A	HPCI STEAM LINE DRAIN POT	N/A	109	OPERABLE	N/A		
1	S					177	177			
9513	ACTIVE	LSH-055-1N014				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LSHL-20-121A	N/A	DIESEL OIL DAY TANK 1AT528 START & STOP XFER PUMP	N/A	312A	OPERABLE	N/A		
1	B					217	217			
9514	ACTIVE	LSHL-020-121A		1AT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-121B	N/A	DIESEL OIL DAY TANK 1BT528 START & STOP XFER PUMP	N/A	312B	OPERABLE	N/A		
1	B					217	217			
9515	ACTIVE	LSHL-020-121B		1BT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-121C	N/A	DIESEL OIL DAY TANK 1CT528 START & STOP XFER PUMP	N/A	312C	OPERABLE	N/A		
1	B					217	217			
9516	ACTIVE	LSHL-020-121C		1CT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-121D	N/A	DIESEL OIL DAY TANK 1DT528 START & STOP XFER PUMP	N/A	312D	OPERABLE	N/A		
1	B					217	217			
9517	ACTIVE	LSHL-020-121D		1DT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-122A	N/A	DIESEL OIL DAY TANK 1AT528 HIGH & LOW LEVELS	N/A	312A	OPERABLE	N/A		
1	B					217	217			
9518	ACTIVE	LSHL-020-122A		1AT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-122B	N/A	DIESEL OIL DAY TANK 1BT528 HIGH & LOW LEVELS	N/A	312B	OPERABLE	N/A		
1	B					217	217			
9519	ACTIVE	LSHL-020-122B		1BT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-122C	N/A	DIESEL OIL DAY TANK 1CT528 HIGH & LOW LEVELS	N/A	312C	OPERABLE	N/A		
1	B					217	217			
9520	ACTIVE	LSHL-020-122C		1CT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	LSHL-20-122D	N/A	DIESEL OIL DAY TANK 1DT528 HIGH & LOW LEVELS	N/A	312D	OPERABLE	N/A		
1	B					217	217			
9521	ACTIVE	LSHL-020-122D		1DT528		DIESEL GENERATOR	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	LSL-20-127A	N/A	D/G JACKET WTR EXPANS TANK 1AT564	N/A	311A	OPERABLE	N/A		
1	B					217	230			
9522	ACTIVE	LSL-020-127A		1AT564		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	LSL-20-127B	N/A	D/G JACKET WTR EXPANS TANK 1BT564	N/A	311B	OPERABLE	N/A		
1	B					217	230			
9523	ACTIVE	LSL-020-127B		1BT564		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	LSL-20-127C	N/A	D/G JACKET WTR EXPANS TANK 1CT564	N/A	311C	OPERABLE	N/A		
1	B					217	230			
9524	ACTIVE	LSL-020-127C		1CT564		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	LSL-20-127D	N/A	D/G JACKET WTR EXPANS TANK 1DT564	N/A	311D	OPERABLE	N/A		
1	B					217	217			
9525	ACTIVE	LSL-020-127D		1DT564		DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	LSL-50-121	N/A	RCIC GLAND SEAL COND VAC TANK	N/A	108	OPERABLE	N/A		
1	B					177	177			
9526	ACTIVE	LSL-050-121		10E209		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LSL-56-121	N/A	HPCI GLAND SEAL COND VAC TANK	N/A	108	OPERABLE	N/A		
1	B					177	177			
9527	ACTIVE	LSL-056-121		10E210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LT-42-115A	NUCLEAR BOILER INST.	REACTOR LEVEL	M-42, SHT 1	402W	OPERABLE	N/R		
1	S					253	253			
7100	ACTIVE	LT-042-115A				REACTOR ENCLOSURE	OPERABLE	N/R		
3	17	LT-42-115B	NUCLEAR BOILER INST.	REACTOR LEVEL	M-42, SHT 1	402E	OPERABLE	N/R		
1	S					253	253			
7103	ACTIVE	LT-042-115B				REACTOR ENCLOSURE	OPERABLE	N/R		
3	17	LT-49-1N035A	N/A	RCIC PUMP SUCTION	N/A	200	OPERABLE	N/A		
1	S					201	201			
9528	ACTIVE	LT-049-1N035A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LT-49-1N035E	N/A	RCIC PUMP SUCTION	N/A	200	OPERABLE	N/A		
1	S					201	201			
9529	ACTIVE	LT-049-1N035E				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LT-52-140A	CS, SP FILL	SUPPRESSION POOL LEVEL	N/A	118	OPERABLE	N/A		
1	S					177	177			
9530	ACTIVE	LT-052-140A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	LT-52-140B	CS, SP FILL	SUPPRESSION POOL LEVEL	N/A	118	OPERABLE	N/A		
1	S					177	177			
9531	ACTIVE	LT-052-140B				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9532	17 S ACTIVE	LT-55-115 LT-055-115	N/A	SUPPRESSION POOL LEVEL	N/A	204 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9533	17 S ACTIVE	LT-55-141 LT-055-141	N/A	SUPPRESSION POOL LEVEL	N/A	203 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9534	17 S ACTIVE	LT-55-1N061B LT-055-1N061B	N/A	HPCI PUMP SUCTION	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9535	17 S ACTIVE	LT-55-1N061F LT-055-1N061F	N/A	HPCI PUMP SUCTION	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9536	17 S ACTIVE	LT-55-1N062B LT-055-1N062B	N/A	SUPPRESSION POOL LEVEL	N/A	204 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9537	17 S ACTIVE	LT-55-1N062F LT-055-1N062F	N/A	SUPPRESSION POOL LEVEL	N/A	204 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
1 1 3119	5 B PASSIVE	PCV-50-1F015 PCV-050-1F015	RCIC	RCIC PUMP 20P203 TO LUBE OIL COOLER 20E212 10S212	M-50, Sht 1	108 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
1 1 3339	5 S PASSIVE	PCV-56-1F035 PCV-056-1F035	HPCI	HPCI BOOST PUMP DISCH	M-56, SHT 1	200 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
2 1 6102	5 S PASSIVE	PCV-59-152B-1 PCV-059-152B-1	PCIG	ADS BACKUP N2 SUPPLY PRESSURE CONTROL VLV.	M-59, SHT 1	304E 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/A N/A		
2 1 6103	5 S PASSIVE	PCV-59-152B-2 PCV-059-152B-2	PCIG	ADS BACKUP N2 SUPPLY PRESSURE CONTROL VLV.	M-59, SHT 1	304E 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/A N/A		
2 1 6104	5 S PASSIVE	PCV-59-152B-3 PCV-059-152B-3	PCIG	ADS BACKUP N2 SUPPLY PRESSURE CONTROL VLV.	M-59, SHT 1	304E 217 REACTOR ENCLOSURE	OPEN 217 OPEN	N/A N/A		
3 1 9538	17 S ACTIVE	PDS-59-106A PDS-059-106A	N/A	N2 SUPPLY TO ADS SYS	N/A	402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	PDS-59-106B	N/A	N2 SUPPLY TO ADS SYS	N/A	402E	OPERABLE	N/A		
1	S					253	253			
9539	ACTIVE	PDS-059-106B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PDSH-20-122A	N/A	D/G OIL XFER SUCTION	N/A	311A	OPERABLE	N/A		
1	S					217	-			
9540	ACTIVE	PDSH-020-122A				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	PDSH-20-122B	N/A	D/G OIL XFER SUCTION	N/A	311B	OPERABLE	N/A		
1	S					217	-			
9541	ACTIVE	PDSH-020-122B				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	PDSH-20-122C	N/A	D/G OIL XFER SUCTION	N/A	311C	OPERABLE	N/A		
1	S					217	-			
9542	ACTIVE	PDSH-020-122C				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	PDSH-20-122D	N/A	D/G OIL XFER SUCTION	N/A	311D	OPERABLE	N/A		
1	S					217	-			
9543	ACTIVE	PDSH-020-122D				DIESEL GENERATOR ENCLOSURE	OPERABLE	N/A		
3	17	PDSH-50-101	N/A	RCIC TURBINE OIL FILTER DIFF PRESS	N/A	108	OPERABLE	N/A		
1	S					177	177			
9544	ACTIVE	PDSH-050-101				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PDT-51-1N060A	N/A	LPCI LINES DIFFERENTIAL	N/A	506E	OPERABLE	N/A		
1	S					283	283			
9545	ACTIVE	PDT-051-1N060A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PDT-51-1N060B	N/A	LPCI LINES DIFFERENTIAL	N/A	402E	OPERABLE	N/A		
1	S					253	253			
9546	ACTIVE	PDT-051-1N060B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PDT-52-1N056	N/A	REACTOR CORE SPRAY DIFF PRESS	N/A	506E	OPERABLE	N/A		
1	S					283	283			
9547	ACTIVE	PDT-052-1N056				REACTOR ENCLOSURE	OPERABLE	N/A		
1	N/A	PSE-56-1D003	HPCI	HPCI TURBINE EXHAUST LINE VENT	M-56, SHT 1	200	OPERABLE	N/A		
1	N/A					201	177			
3341	PASSIVE	PSE-056-1D003	37			REACTOR ENCLOSURE	OPERABLE	N/A		
1	N/A	PSE-56-1D004	HPCI	HPCI TURBINE EXHAUST LINE VENT	M-56, SHT 1	200	OPERABLE	N/A		
1	N/A					201	177			
3342	PASSIVE	PSE-056-1D004	37			REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PSH-12-004A	N/A	RHR SERVICE WATER PUMP 0AP506 LOOP A	N/A	1000	OPERABLE	N/A		
Common	S					268				
9631	ACTIVE	PSH-012-004A				SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 Common 9632	17 S ACTIVE	PSH-12-004B PSH-012-004B	N/A	RHR SERVICE WATER PUMP 0BP506 LOOP B	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9633	17 S ACTIVE	PSH-12-004C PSH-012-004C	N/A	RHR SERVICE WATER PUMP 0CP506 LOOP A	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9634	17 S ACTIVE	PSH-12-004D PSH-012-004D	N/A	RHR SERVICE WATER PUMP 0DP506 LOOP B	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 1 9548	17 B ACTIVE	PSH-50-121 PSH-050-121	N/A	RCIC GLAND SEAL COND VAC TANK 10E209	N/A	108 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9549	17 B ACTIVE	PSH-56-120 PSH-056-120	N/A	HPCI GLAND SEAL COND VAC TANK 10E210	N/A	109 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 Common 9635	17 S ACTIVE	PSL-11-002A PSL-011-002A	N/A	ESW PUMP A DISCHARGE	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9636	17 S ACTIVE	PSL-11-002B PSL-011-002B	N/A	ESW PUMP B DISCHARGE	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9637	17 S ACTIVE	PSL-11-002C PSL-011-002C	N/A	ESW PUMP C DISCHARGE	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9638	17 S ACTIVE	PSL-11-002D PSL-011-002D	N/A	ESW PUMP D DISCHARGE	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9639	17 S ACTIVE	PSL-12-001A PSL-012-001A	N/A	RHR SERVICE WATER PUMP 0AP506 LOOP A	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9640	17 S ACTIVE	PSL-12-001B PSL-012-001B	N/A	RHR SERVICE WATER PUMP 0BP506 LOOP B	N/A	1005 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		
3 Common 9641	17 S ACTIVE	PSL-12-001C PSL-012-001C	N/A	RHR SERVICE WATER PUMP 0CP506 LOOP A	N/A	1000 268 SPRAY POND PUMP STRUCTURE	OPERABLE OPERABLE	N/A N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	PSL-12-001D	N/A	RHR SERVICE WATER PUMP 0DP506 LOOP B	N/A	1005	OPERABLE	N/A		
Common	S					268				
9642	ACTIVE	PSL-012-001D				SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		
3	17	PSL-12-102A	N/A	RHR SERV WTR PUMP LOOP A TO RHR HEAT EXCH A	N/A	202	OPERABLE	N/A		
1	S					198	177			
9550	ACTIVE	PSL-012-102A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PSL-12-102B	N/A	RHR SERV WTR PUMP LOOP B TO RHR HEAT EXCH B	N/A	202	OPERABLE	N/A		
1	S					198	177			
9551	ACTIVE	PSL-012-102B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	PSL-50-101	N/A	RCIC TURBINE BEARING OIL PRESS	N/A	108	OPERABLE	N/A		
1	S					177	177			
9552	ACTIVE	PSL-050-101				REACTOR ENCLOSURE	OPERABLE	N/A		
3	5	PSV-41-1F013A	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'A'	M-41, Sht 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2100	ACTIVE	PSV-041-1F013A				REACTOR ENCLOSURE	OPEN/CLOSED	1AD102		
3	5	PSV-41-1F013B	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'B'	M-41, SHT 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2101	ACTIVE	PSV-041-1F013B				REACTOR ENCLOSURE	OPEN/CLOSED	N/R		
3	5	PSV-41-1F013C	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'C'	M-41, Sht 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2102	ACTIVE	PSV-041-1F013C				REACTOR ENCLOSURE	OPEN/CLOSED	1AD102		
3	5	PSV-41-1F013D	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'D'	M-41, Sht 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2103	ACTIVE	PSV-041-1F013D				REACTOR ENCLOSURE	OPEN/CLOSED	N/R		
3	5	PSV-41-1F013E	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'A'	M-41, Sht 2, 3	400	CLOSED	N/R	PCIG	M-59, SH 1
1	SR					237	286			
2104	ACTIVE	PSV-041-1F013E	5			REACTOR ENCLOSURE	OPEN/CLOSED	1AD102, 1CD102		
3	5	PSV-41-1F013F	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'B'	M-41, Sht 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2105	ACTIVE	PSV-041-1F013F				REACTOR ENCLOSURE	OPEN/CLOSED	N/R		
3	5	PSV-41-1F013G	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'C'	M-41, Sht 2, 3	400	CLOSED	N/R		
1	SR					237	286			
2106	ACTIVE	PSV-041-1F013G				REACTOR ENCLOSURE	OPEN/CLOSED	N/R		
3	5	PSV-41-1F013H	NUCLEAR BOILER	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'D'	M-41, Sht 2, 3	400	CLOSED	N/R	PCIG	M-59 SH. 1
1	SR					237	286			
2107	ACTIVE	PSV-041-1F013H	5			REACTOR ENCLOSURE	OPEN/CLOSED	1AD102, 1CD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 / 1 / 2108	5 / SR / ACTIVE	PSV-41-1F013J / PSV-041-1F013J	NUCLEAR BOILER /	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'A'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / N/R		
3 / 1 / 2109	5 / SR / ACTIVE	PSV-41-1F013K / PSV-041-1F013K	NUCLEAR BOILER / 5	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'B'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / 1AD102, 1CD102	PCIG	M-59, SH. 1
3 / 1 / 2110	5 / SR / ACTIVE	PSV-41-1F013L / PSV-041-1F013L	NUCLEAR BOILER /	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'C'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / N/R		
3 / 1 / 2111	5 / SR / ACTIVE	PSV-41-1F013M / PSV-041-1F013M	NUCLEAR BOILER / 5	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'D'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / 1AD102, 1CD102	PCIG	M-59, SH. 1
3 / 1 / 2112	5 / SR / ACTIVE	PSV-41-1F013N / PSV-041-1F013N	NUCLEAR BOILER /	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'B'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / 1AD102		
3 / 1 / 2113	5 / SR / ACTIVE	PSV-41-1F013S / PSV-041-1F013S	NUCLEAR BOILER / 5	MAIN STEAM LINE SAFETY/RELIEF VALVE ON MSL 'D'	M-41, Sht 2, 3	400 / 237 / REACTOR ENCLOSURE	CLOSED / 273 / OPEN/CLOSED	N/R / 1AD102, 1CD102	PCIG	M-59, SH. 1
3 / 1 / 2119	R / N/A / ACTIVE	PSV-41-1F037A / PSV-041-1F037A	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 2121	R / N/A / ACTIVE	PSV-41-1F037B / PSV-041-1F037B	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 2123	R / N/A / ACTIVE	PSV-41-1F037C / PSV-041-1F037C	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 2125	R / N/A / ACTIVE	PSV-41-1F037D / PSV-041-1F037D	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 2127	R / N/A / ACTIVE	PSV-41-1F037E / PSV-041-1F037E	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		
3 / 1 / 2129	R / N/A / ACTIVE	PSV-41-1F037F / PSV-041-1F037F	SRV /	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400 / 237 / REACTOR ENCLOSURE	OPERABLE / OPERABLE	N/A / N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	R	PSV-41-1F037G	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2131	ACTIVE	PSV-041-1F037G				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037H	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2133	ACTIVE	PSV-041-1F037H				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037J	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2135	ACTIVE	PSV-041-1F037J				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037K	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2137	ACTIVE	PSV-041-1F037K				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037L	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2139	ACTIVE	PSV-041-1F037L				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037M	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2141	ACTIVE	PSV-041-1F037M				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037N	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2143	ACTIVE	PSV-041-1F037N				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F037S	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2145	ACTIVE	PSV-041-1F037S				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097A	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2120	ACTIVE	PSV-041-1F097A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097B	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2122	ACTIVE	PSV-041-1F097B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097C	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2124	ACTIVE	PSV-041-1F097C				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097D	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2126	ACTIVE	PSV-041-1F097D				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	R	PSV-41-1F097E	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2128	ACTIVE	PSV-041-1F097E				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097F	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2130	ACTIVE	PSV-041-1F097F				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097G	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2132	ACTIVE	PSV-041-1F097G				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097H	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2134	ACTIVE	PSV-041-1F097H				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097J	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2136	ACTIVE	PSV-041-1F097J				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097K	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2138	ACTIVE	PSV-041-1F097K				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097L	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2140	ACTIVE	PSV-041-1F097L				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097M	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2142	ACTIVE	PSV-041-1F097M				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097N	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2144	ACTIVE	PSV-041-1F097N				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-41-1F097S	SRV	SRV DISCHARGE LINE VACUUM BREAKER	M-41, SHT 2	400	OPERABLE	N/A		
1	N/A					237				
2146	ACTIVE	PSV-041-1F097S				REACTOR ENCLOSURE	OPERABLE	N/A		
1	5	PSV-51-1F055A	RHR	1A RHR HEAT EXCHANGER INLET LINE RELIEF PCIV	M-51, Sht 2	309	OPERABLE	N/A		
1	N/A					217	217			
4114, 4311, 4710	PASSIVE	PSV-051-1F055A				REACTOR ENCLOSURE	OPERABLE	N/A		
2	5	PSV-51-1F055B	RHR	1B RHR HEAT EXCHANGER INLET LINE RELIEF PCIV	M-51, Sht 4	204	OPERABLE	N/A		
1	N/A					201	217			
4213, 4413, 4813	PASSIVE	PSV-051-1F055B				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
1	5	PSV-51-1F097	RHR	RHR HTX TO RCIC PP PSV PCIV	M-51, SHT 2	102	OPERABLE	N/A		
1	N/A					177	177			
3135	PASSIVE	PSV-051-1F097				REACTOR ENCLOSURE	OPERABLE	N/A		
3	R	PSV-57-137A-1	CAC	VACUUM RELIEF VALVE ASSEMBLY 'A'	M-57, SHT 2	101	OPERABLE	N/R		
1	N/A					182	217			
2300	PASSIVE	PSV-057-137A-1				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137A-2	CAC	VACUUM RELIEF VALVE ASSEMBLY 'A'	M-57, SHT 2	101	OPERABLE	N/R		
1	N/A					182	217			
2301	PASSIVE	PSV-057-137A-2				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137B-1	CAC	VACUUM RELIEF VALVE ASSEMBLY 'B'	M-57, SHT 2	101	OPERABLE	N/R		
1	N/A					182	217			
2302	PASSIVE	PSV-057-137B-1				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137B-2	CAC	VACUUM RELIEF VALVE ASSEMBLY 'B'	M-57, SHT 2	101	OPERABLE	N/R		
1	N/A					182	217			
2303	PASSIVE	PSV-057-137B-2				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137C-1	CAC	VACUUM RELIEF VALVE ASSEMBLY 'C'	M-57, SHT 2	109	OPERABLE	N/R		
1	N/A					177	217			
2304	PASSIVE	PSV-057-137C-1				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137C-2	CAC	VACUUM RELIEF VALVE ASSEMBLY 'C'	M-57, SHT 2	109	OPERABLE	N/R		
1	N/A					177	217			
2305	PASSIVE	PSV-057-137C-2				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137D-1	CAC	VACUUM RELIEF VALVE ASSEMBLY 'D'	M-57, SHT 2	109	OPERABLE	N/R		
1	N/A					177	217			
2306	PASSIVE	PSV-057-137D-1				REACTOR ENCLOSURE	OPERABLE	N/R		
3	R	PSV-57-137D-2	CAC	VACUUM RELIEF VALVE ASSEMBLY 'D'	M-57, SHT 2	109	OPERABLE	N/R		
1	N/A					177	217			
2307	PASSIVE	PSV-057-137D-2				REACTOR ENCLOSURE	OPERABLE	N/R		
3	17	PT-42-103A	NUCLEAR BOILER INST.	REACTOR COOLANT PRESSURE	M-42, SHT 1	402W	OPERABLE	N/R		
1	S					253	253			
7101	ACTIVE	PT-042-103A				REACTOR ENCLOSURE	OPERABLE	N/R		
3	17	PT-42-103B	NUCLEAR BOILER INST.	REACTOR COOLANT PRESSURE	M-42, SHT 1	402E	OPERABLE	N/R		
1	S					253	253			
7104	ACTIVE	PT-042-103B				REACTOR ENCLOSURE	OPERABLE	N/R		
3	17	PT-50-1N053	N/A	RCIC PUMP SUCTION HDR	N/A	108	OPERABLE	N/A		
1	B					177	177			
9553	ACTIVE	PT-050-1N053		1ATB123		REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 9554	17 S ACTIVE	PT-51-1N057 PT-051-1N057	N/A	RHR PUMP SUCT SHUTDOWN CLG	N/A	304E 217 REACTOR ENCLOSURE	OPERABLE 217 OPERABLE	N/A N/A		
3 1 9555	17 S ACTIVE	PT-52-1N055A PT-052-1N055A	N/A	CORE SPRAY PUMP A DISCH PRESS	N/A	110 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9556	17 S ACTIVE	PT-52-1N055C PT-052-1N055C	N/A	CORE SPRAY PUMP B DISCH PRESS	N/A	117 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9557	17 S ACTIVE	PT-52-1N055E PT-052-1N055E	N/A	CORE SPRAY PUMP C DISCH PRESS	N/A	113 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9558	17 S ACTIVE	PT-52-1N055G PT-052-1N055G	N/A	CORE SPRAY PUMP D DISCH PRESS	N/A	114 177 REACTOR ENCLOSURE	OPERABLE 177 OPERABLE	N/A N/A		
3 1 9559	17 S ACTIVE	PT-56-1N055D PT-056-1N055D	N/A	HPCI TURBINE EXHAUST PRESS	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9560	17 S ACTIVE	PT-56-1N055H PT-056-1N055H	N/A	HPCI TURBINE EXHAUST PRESS	N/A	200 201 REACTOR ENCLOSURE	OPERABLE 201 OPERABLE	N/A N/A		
3 1 9561	17 S ACTIVE	PT-59-152A PT-059-152A	N/A	LONG TERM N2 SUPPLY TO ADS SYS	N/A	402W 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 9562	17 S ACTIVE	PT-59-152B PT-059-152B	N/A	LONG TERM N2 SUPPLY TO ADS SYS	N/A	402E 253 REACTOR ENCLOSURE	OPERABLE 253 OPERABLE	N/A N/A		
3 1 1102	7 SR ACTIVE	SV-47-1F009 SV-047-1F009	CRD	CRD SCRAM DISCHARGE ISOLATION PILOT SOLENOID VALVE	M-47, SHT 1	402 253 REACTOR ENCLOSURE	ENERGIZED 253 DEENERGIZED	N/R N/R		
3 1 7209	7 R PASSIVE	SV-52-139 SV-052-139	SPI CS, SP FILL	LT-140A(H) LT-141(H) SUPP POOL LEVEL ROOT VALVE	M-52, SHT 1	118 177 REACTOR ENCLOSURE	OPEN 177 OPEN	N/A 10Y101, 1AD102		
3 1 7210	7 R PASSIVE	SV-57-101 SV-057-101	CAC	PT-101 LT-52-140A(L) LT-52-141(L) SUPP POOL ATMOS	M-57, SHT 1	207 201 REACTOR ENCLOSURE	OPEN 201 OPEN	N/A 10Y101, 1AD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 / 1 / 7211	7 / R / PASSIVE	SV-57-183 / SV-057-183	SPI	WETWELL H2/O2 SAMPLE ISOL PCIV	M-57, SHT 2	309W / 217 / REACTOR ENCLOSURE	OPEN / 217 / OPEN	N/A / 1AD102		
2 / 1 / 6101	7 / SR / ACTIVE	SV-59-152B / SV-059-152B	PCIG	N2 SUPPLY TO ADS SYS	M-59, SHT 1	304E / 217 / REACTOR ENCLOSURE	CLOSED / 217 / OPEN	N/R / 10Y104		
1 / 1 / 5901	8 / B / ACTIVE	TD-81-102A / TD-081-102A	MISC. STRUCTURES - HVAC	D/G 1A CELL VENTILATION AIR EXH FAN 1AV512 / 1AV512	M-81, Sht 1	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y206 / 10Y206		
2 / 1 / 5951	8 / B / ACTIVE	TD-81-102B / TD-081-102B	MISC. STRUCTURES - HVAC	D/G 1B CELL VENTILATION AIR EXH FAN 1BV512 / 1BV512	M-81, Sht 1	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y207 / 10Y207		
1 / 1 / 5907	8 / B / ACTIVE	TD-81-102C / TD-081-102C	MISC. STRUCTURES - HVAC	D/G 1C CELL VENTILATION AIR EXH FAN 1CV512 / 1CV512	M-81, Sht 1	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y163 / 10Y163		
2 / 1 / 5957	8 / B / ACTIVE	TD-81-102D / TD-081-102D	MISC STRUCTURES - HVAC	D/G 1D CELL VENTILATION AIR EXH FAN 1DV512 / 1DV512	M-81, Sht 1	311D / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y164 / 10Y164		
1 / 1 / 5904	8 / B / ACTIVE	TD-81-102E / TD-081-102E	MISC. STRUCTURES - HVAC	D/G 1A CELL VENTILATION AIR EXH FAN 1EV512 / 1EV512	M-81, Sht 1	311A / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / OPEN/CLOSED	10Y206 / 10Y206		
2 / 1 / 5954	8 / B / ACTIVE	TD-81-102F / TD-081-102F	MISC. STRUCTURES - HVAC	D/G 1B CELL VENTILATION AIR EXH FAN 1FV512 / 1FV512	M-81, Sht 1	311B / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y207 / 10Y207		
1 / 1 / 5910	8 / B / ACTIVE	TD-81-102G / TD-081-102G	MISC. STRUCTURES - HVAC	D/G 1C CELL VENTILATION AIR EXH FAN 1GV512 / 1GV512	M-81, Sht 1	311C / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y163 / 10Y163		
2 / 1 / 5960	8 / B / ACTIVE	TD-81-102H / TD-081-102H	MISC STRUCTURES - HVAC	D/G 1D CELL VENTILATION AIR EXH FAN 1HV512 / 1HV512	M-81, Sht 1	311D / 217 / DIESEL GENERATOR ENCLOSURE	OPEN/CLOSED / 217 / OPEN/CLOSED	10Y164 / 10Y164		
3 / 1 / 9563	17 / S / ACTIVE	TE-41-101A / TE-041-101A	N/A	SUPP POOL TEMP DIV I	N/A	101 / 182 / REACTOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		
3 / 1 / 9564	17 / S / ACTIVE	TE-41-101B / TE-041-101B	N/A	SUPP POOL TEMP DIV I	N/A	101 / 182 / REACTOR ENCLOSURE	OPERABLE / 217 / OPERABLE	N/A / N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	TE-41-101C	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9565	ACTIVE	TE-041-101C				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-101D	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9566	ACTIVE	TE-041-101D				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-101E	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9567	ACTIVE	TE-041-101E				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-101F	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9568	ACTIVE	TE-041-101F				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-101G	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9569	ACTIVE	TE-041-101G				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-101H	N/A	SUPP POOL TEMP DIV I	N/A	101	OPERABLE	N/A		
1	S					182	217			
9570	ACTIVE	TE-041-101H				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103A	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9571	ACTIVE	TE-041-103A				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103B	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9572	ACTIVE	TE-041-103B				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103C	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9573	ACTIVE	TE-041-103C				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103D	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9574	ACTIVE	TE-041-103D				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103E	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9575	ACTIVE	TE-041-103E				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103F	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9576	ACTIVE	TE-041-103F				REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	TE-41-103G	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9577	ACTIVE	TE-041-103G				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-41-103H	N/A	SUPP POOL TEMP DIV II	N/A	101	OPERABLE	N/A		
1	S					182	217			
9578	ACTIVE	TE-041-103H				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-51-151	N/A	RHR HEAT EXCH A DISCH TO LIQUID RADWASTE	N/A	203	OPERABLE	N/A		
1	S					201	201			
9579	ACTIVE	TE-051-151				REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-121A	N/A	RCIC PUMP ROOM UNIT COOLER 1AV208	N/A	108	OPERABLE	N/A		
1	B					177	177			
9580	ACTIVE	TE-076-121A		1AV208		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-121B	N/A	RCIC PUMP ROOM UNIT COOLER 1BV208	N/A	108	OPERABLE	N/A		
1	B					177	177			
9581	ACTIVE	TE-076-121B		1BV208		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-122A	N/A	HPCI PUMP ROOM UNIT COOLER 1AV209	N/A	109	OPERABLE	N/A		
1	B					177	177			
9582	ACTIVE	TE-076-122A		1AV209		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-122B	N/A	HPCI PUMP ROOM UNIT COOLER 1BV209	N/A	109	OPERABLE	N/A		
1	B					177	177			
9583	ACTIVE	TE-076-122B		1BV209		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123A	N/A	RHR PUMP ROOM UNIT COOLER 1AV210	N/A	102	OPERABLE	N/A		
1	B					177	177			
9584	ACTIVE	TE-076-123A		2AV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123B	N/A	RHR PUMP ROOM UNIT COOLER 1BV210	N/A	103	OPERABLE	N/A		
1	B					177	177			
9585	ACTIVE	TE-076-123B		1BV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123C	N/A	RHR PUMP ROOM UNIT COOLER 1CV210	N/A	102	OPERABLE	N/A		
1	B					177	177			
9586	ACTIVE	TE-076-123C		1CV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123D	N/A	RHR PUMP ROOM UNIT COOLER 1DV210	N/A	103	OPERABLE	N/A		
1	B					177	177			
9587	ACTIVE	TE-076-123D		1DV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123E	N/A	RHR PUMP ROOM UNIT COOLER 1EV210	N/A	102	OPERABLE	N/A		
1	B					177	177			
9588	ACTIVE	TE-076-123E		1EV210		REACTOR ENCLOSURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	TE-76-123F	N/A	RHR PUMP ROOM UNIT COOLER 1FV210	N/A	103	OPERABLE	N/A		
1	B					177	177			
9589	ACTIVE	TE-076-123F		1FV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123G	N/A	RHR PUMP ROOM UNIT COOLER 1GV210	N/A	102	OPERABLE	N/A		
1	B					177	177			
9590	ACTIVE	TE-076-123G		1GV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-123H	N/A	RHR PUMP ROOM UNIT COOLER 1HV210	N/A	103	OPERABLE	N/A		
1	B					177	177			
9591	ACTIVE	TE-076-123H		1HV210		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124A	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1AV211	N/A	110	OPERABLE	N/A		
1	B					177	177			
9592	ACTIVE	TE-076-124A		1AV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124B	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1BV211	N/A	117	OPERABLE	N/A		
1	B					177	177			
9593	ACTIVE	TE-076-124B		1BV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124C	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1CV211	N/A	113	OPERABLE	N/A		
1	B					177	177			
9600	ACTIVE	TE-076-124C		1CV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124D	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1DV211	N/A	114	OPERABLE	N/A		
1	B					177	177			
9601	ACTIVE	TE-076-124D		1DV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-78-124E	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1EV211	N/A	110	OPERABLE	N/A		
1	B					177	177			
9602	ACTIVE	TE-076-124E		1EV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124F	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1FV211	N/A	117	OPERABLE	N/A		
1	B					177	177			
9603	ACTIVE	TE-076-124F		1FV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124G	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1GV211	N/A	113	OPERABLE	N/A		
1	B					177	177			
9604	ACTIVE	TE-076-124G		1GV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-76-124H	N/A	CORE SPRAY PUMP ROOM UNIT COOLER 1HV211	N/A	114	OPERABLE	N/A		
1	B					177	177			
9605	ACTIVE	TE-076-124H		1HV211		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TE-81-040A	N/A	SPRAY POND AIR SUP FAN 0AV543	N/A	1000	OPERABLE	N/A		
Common	S					268				
9622	ACTIVE	TE-081-040A				SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3	17	TE-81-040B	N/A	SPRAY POND AIR SUP FAN 0BV543	N/A	1005	OPERABLE	N/A		
Common	S					268				
9623	ACTIVE	TE-081-040B				SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		
3	17	TE-81-041A	N/A	SPRAY POND AIR SUP FAN 0AV543	N/A	1000	OPERABLE	N/A		
Common	S					268				
9624	ACTIVE	TE-081-041A				SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		
3	17	TE-81-041B	N/A	SPRAY POND AIR SUP FAN 0BV543	N/A	1005	OPERABLE	N/A		
Common	B					268				
9625	ACTIVE	TE-081-041B		0BV543		SPRAY POND PUMP STRUCTURE	OPERABLE	N/A		
3	17	TI-41-101	SPI	SUPPRESSION POOL TEMP DIV I	M-41, SHT 2	533	OPERABLE	N/A		
1	BR					269	269			
7212	ACTIVE	TI-041-101		10C626		CONTROL STRUCTURE	OPERABLE	10Y101		
3	17	TI-41-102	NUCLEAR BOILER	SUPPRESSION POOL TEMP INDICATOR	M-41, SHT 2	540	OPERABLE	N/A		
1	BR					289	289			
7213	ACTIVE	TI-041-102		10C201		CONTROL STRUCTURE	OPERABLE	1AD102		
3	17	TI-41-103	SPI	SUPPRESSION POOL TEMP DIV II	M-41, SHT 2	533	OPERABLE	N/A		
1	BR					269	269			
7214	ACTIVE	TI-041-103		10C626		CONTROL STRUCTURE	OPERABLE	10Y102		
3	17	TI-50-140B	N/A	RCIC TURBINE BEARING OIL TEMP COUPLING END	N/A	108	OPERABLE	N/A		
1	B					177	177			
9606	ACTIVE	TI-050-140B		10S212		REACTOR ENCLOSURE	OPERABLE	N/A		
3	17	TISH-20-121A	N/A	DIESEL OIL DAY TANK 1AT528 HIGH TEMP STOP XFER PUMP	N/A	312A	OPERABLE	N/A		
1	B					217	-			
9607	ACTIVE	TISH-020-121A		1AT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	TISH-20-121B	N/A	DIESEL OIL DAY TANK 1BT528 HIGH TEMP STOP XFER PUMP	N/A	312B	OPERABLE	N/A		
1	B					217	-			
9608	ACTIVE	TISH-020-121B		1BT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	TISH-20-121C	N/A	DIESEL OIL DAY TANK 1CT528 HIGH TEMP STOP XFER PUMP	N/A	312C	OPERABLE	N/A		
1	B					217	-			
9609	ACTIVE	TISH-020-121C		1CT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	TISH-20-121D	N/A	DIESEL OIL DAY TANK 1DT528 HIGH TEMP STOP XFER PUMP	N/A	312D	OPERABLE	N/A		
1	B					217	-			
9610	ACTIVE	TISH-020-121D		1DT528		DIESEL GENERATOR	OPERABLE	N/A		
3	17	XR-42-1R623A	NUCLEAR BOILER INST.	WIDE RANGE REACTOR PRESSURE (LV/PX)	M-42, SHT 1	533	OPERABLE	10Y101		
1	BR					269	269			
7102	ACTIVE	XR-042-1R623A		10C601		CONTROL STRUCTURE	OPERABLE	10Y101, 1AD102		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

LIMERICK GENERATING STATION IPEEE PROJECT
UNIT 1 & COMMON
SUCCESS PATH COMPONENT LIST (SPCL)

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg
3 1 7105	17 BR ACTIVE	XR-42-1R623B XR-042-1R623B	NUCLEAR BOILER INST.	WIDE RANGE REACTOR PRESSURE (LV/PX) 10C601	M-42, SHT 1	533 269 CONTROL STRUCTURE	OPERABLE 269 OPERABLE	10Y102 10Y102		
3 1 1103	5 S ACTIVE	XV-47-1F010 XV-047-1F010	CRD	SCRAM DISCRHARGE VOLUME PIPING VENT SOV PCIV	M-47, SHT 1	402 253 REACTOR ENCLOSURE	OPEN 280 CLOSED	N/R N/R		
3 1 1104	5 S ACTIVE	XV-47-1F011 XV-047-1F011	CRD	SCRAM DISCHARGE VOLUME PIPING DRAIN SOV PCIV	M-47, SHT 1	307 217 REACTOR ENCLOSURE	OPEN 253 CLOSED	N/R N/R		
3 1 2207	20 S PASSIVE	XY-42-1D002 XY-042-1D002	NUCLEAR BOILER INST.	NUCLEAR BOILER VESSEL CONDENSING CHAMBER	M-42, Sht 1	400 237 REACTOR ENCLOSURE	N/A 253 N/A	N/A N/A		
1 1 5902	8 B ACTIVE	ZC-81-102A ZC-081-102A	MISC. STRUCTURES - HVAC 6	D/G 1A CELL VENTILATION AIR EXH FAN 1AV512 1AV512	M-81, Sht 1	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
2 1 5952	8 B ACTIVE	ZC-81-102B ZC-081-102B	MISC. STRUCTURES - HVAC 6	D/G 1B CELL VENTILATION AIR EXH FAN 1BV512 1BV512	M-81, Sht 1	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
1 1 5908	8 B ACTIVE	ZC-81-102C ZC-081-102C	MISC. STRUCTURES - HVAC 6	D/G 1C CELL VENTILATION AIR EXH FAN 1CV512 1CV512	M-81, Sht 1	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
2 1 5958	8 B ACTIVE	ZC-81-102D ZC-081-102D	MISC. STRUCTURES - HVAC 6	D/G 1D CELL VENTILATION AIR EXH FAN 1DV512 1DV512	M-81, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
1 1 5905	8 B ACTIVE	ZC-81-102E ZC-081-102E	MISC. STRUCTURES - HVAC 6	D/G 1A CELL VENTILATION AIR EXH FAN 1EV512 1EV512	M-81, Sht 1	311A 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
2 1 5955	8 B ACTIVE	ZC-81-102F ZC-081-102F	MISC. STRUCTURES - HVAC 6	D/G 1B CELL VENTILATION AIR EXH FAN 1FV512 1FV512	M-81, Sht 1	311B 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
1 1 5911	8 B ACTIVE	ZC-81-102G ZC-081-102G	MISC. STRUCTURES - HVAC 6	D/G 1C CELL VENTILATION AIR EXH FAN 1GV512 1GV512	M-81, Sht 1	311C 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		
2 1 5961	8 B ACTIVE	ZC-81-102H ZC-081-102H	MISC. STRUCTURES - HVAC 6	D/G 1D CELL VENTILATION AIR EXH FAN 1HV512 1HV512	M-81, Sht 1	311D 217 DIESEL GENERATOR ENCLOSURE	OPERABLE 217 OPERABLE	N/R N/R		

Filter: Unit = "1" or Unit = "Common" Sorted By Equip ID

Train / Unit / Line No.	Class / Eval Req'd / Function	Equip ID / PIMS ID	System / Notes	Equip Description / ROB Mother Comp	Drawing No.	Room No. / Room Elev / Building	Norm state / Equip Elev / Req'd State	Motive power / Contr power	Support System	Supp Sys dwg

NOTES - KEY

1 Either HV-11-123 or HV-11-121 must close
2 Either HV-11-128 or HV-11-124 must remain closed
3 Either HV-11-055B or HV-11-51B must remain closed
4 Either HV-11-126 or HV-11-125 must close
5 Potential rule of the box
6 Valve locked closed, breaker locked open
7 Either HV-11-55A or HV-11-51A must remain closed
8 Either HV-11-223 or HV-11-221 must close
9 Either HV-048 or HV-11-043 must close
10 Either HV-11-073 or HV-11-078 must close
11 Locked closed
12 Motor operated check valve
13 Either HV-11-225 or HV-11-226 must close
14 Preferred LPCI injection path
15 Valve position inconsequential for SPC mode
16 Alternate LPCI injection path
17 Preferred RHRSC injection path
18 Alternate RHRSC injection path
19 Either HV-11-121 or HV-11-123 must close
20 Locked open
21 Either HV-11-079 or HV-11-049 must open
22 Either HV-11-071 or HV-11-041 must open
23 Either HV-11-074 or HV-11-044 must open
24 Either HV-11-048 or HV-11-076 must open
25 Either HV-11-047 or HV-11-077 must open
26 Required for 2 unit simultaneous shutdown
27 Apply rule of the box to SOV's (2 per PSV) controlled by 113 and 114 series hand switches
28 Control rod drive hydraulic control unit. Rule of the box
29 Main Control Room indication. Panel contains power supplies and indicator lights required for LPRM's
30 Neutron monitoring tube, typical of 172. Located in reactor, among fuel bundles
31 Operates HPCI turbine governor valve
32 Operates HPCI turbine remote trip valve
33 Operates RCIC turbine governor valve
34 Operates RCIC turbine remote trip valve
35 Panel contains electronics and power supplies required for LPRM's
36 These components were deleted from the SPCL
37 This is an in-line orifice plate. Component not required.

Exelon NTTF 2.3: Seismic Walkdown Seismic Walkdown Equipment List (SWEL)

UNIT: LIMERICK UNIT 1

PREPARER: Thomas King, MPR

PEER REVIEWER: Craig Swanner, MPR

PEER REVIEW TEAM LEADER: Patrick Butler, MPR

LIMERICK OPERATIONS: Brandon Shultz

Table B-1. SWEL for Unit 1

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Elevation	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
1	10S211	HPCI Turbine	(00) Other	(00) Other	Reactor Enclosure	177	Room 109	3	Y	N	N
1	10-S224-30-19	CRD Hydraulic Control Unit	(00) Other	(00) Other	Reactor Enclosure	253	Room 402E	1	N	N	N
1	10A118	Switchgear, 4KV, 3PH, 3 Wire, 60Hz	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(03) Medium Voltage, Metal-Clad Switchgear	Control Structure	239	Room 432	3,4	Y	N	N
1	10B201	D114 Reactor Area Safeguard Load Center	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(02) Low Voltage Switchgear and Breaker Panels	Reactor Enclosure	313	Room 602W	1,2,3,4,5	N	N	N
1	10B204	Reactor Area 480V Safeguard Load Center	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(02) Low Voltage Switchgear and Breaker Panels	Reactor Enclosure	283	Room 506E	1,2,3,4,5	N	N	N
1	10B211	D114 Reactor Area Safeguard 480V Motor Control Center	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Reactor Enclosure	217	Room 304W	1,2,3,4,5	N	N	N
1	10B213	D114-R-C Reactor Area Safeguard 480V Motor Control Center	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Reactor Enclosure	283	Room 506W	1,2,3,4,5	N	N	N
1	10B214	D124 Reactor Area Safeguard 480V MCC	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Reactor Enclosure	283	Room 306	1,2,3,4,5	N	N	N
1	10B515	D114-D-G Diesel Gen. Area Safeguard 480V MCC	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	10D202	Reactor Enclosure 250V DC Motor Control Center	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Reactor Enclosure	217	Room 304E	1,2,3,4,5	N	N	N
1	10X109	DIV IV 4KV Transformer	(02) Transformers	(04) Transformers	Control Structure	239	Room 432	1,2,3,4,5	N	N	N
1	10X204	4KV-480V Transformer	(02) Transformers	(04) Transformers	Reactor Enclosure	283	Room 506E	1,2,3,4,5	N	N	N
1	10X282	B Reactor Enclosure HVAC Transformer	(02) Transformers	(04) Transformers	Control Structure	304	Room 619	1,2,3,4,5	N	N	N
1	10P203	RCIC Pump	(03) Horizontal Pumps	(05) Horizontal Pumps	Reactor Enclosure	177	Room 108	3	N	N	N
1	10P204	HPCI Pump	(03) Horizontal Pumps	(05) Horizontal Pumps	Reactor Enclosure	177	Room 109	3	Y	N	N
1	1AP202	RHR Pump	(04) Vertical Pumps	(06) Vertical Pumps	Reactor Enclosure	177	Room 102	4	Y	N	N
1	1AP206	Core Spray Pump and Driver	(04) Vertical Pumps	(06) Vertical Pumps	Reactor Enclosure	177	Room 110	3	N	N	N
1	1AP514	Diesel Generator Diesel Oil Pump	(04) Vertical Pumps	(06) Vertical Pumps	Diesel Oil Storage Tank Underground Structure	206	Yard	1,2,3,4,5	N	N	N

Table B-1. SWEL for Unit 1

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Elevation	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
1	HV-011-042	HPCI PP RM CLR RET to ESW Loop B	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure	177	Room 109	3	N	N	N
1	HV-11-104A	RHR PP RM CLR A Supply Valve	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure	177 & 191	Room 102	4	N	N	N
1	HV-57-131	Suppression Pool Purge Inboard PCIV	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure	217	Room 309	5	N	N	N
1	HV-55-1F003	HPCI Steam Outboard Isolation Valve	(06) Motor Operated Valve	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	217 & 238	Room 309	3	N	Y	N
1	HV-051-1F014A	1A RHR HTX RHRSW Inlet Valve	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	201	Room 203	4	Y	N	N
1	HV-11-132A	ESW EDG JW Cooling Isolation Valve	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	HV-49-1F029	RCIC Suppression Pool Isolation Valve	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	177	Room 108	3	N	N	N
1	HV-52-1F037	Core Spray Isolation Valve (MOV outboard of Drywell)	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	283	Room 523	3	N	N	N
1	HV-55-1F004	CST to HPCI Pump Suction Isolation Valve	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	177	Room 109	3	N	Y	N
1	SV-47-1F009	CRD SCRAM Discharge Isolation Pilot Solenoid Valve	(07) Solenoid Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Reactor Enclosure	253	Room 402	1	N	N	N
1	1AV209	HPCI Pump & Turbine Room Cooler	(08) Fans & Air Handlers	(10) Air Handlers	Reactor Enclosure	177	Room 109	3	N	N	N
1	1AV210	RHR Pump Room Unit Cooler	(08) Fans & Air Handlers	(10) Air Handlers	Reactor Enclosure	191	Room 102	4	N	N	N
1	1AV512	DIESEL GENERATOR/ Room Ventiliation Fan	(08) Fans & Air Handlers	(09) Fans	Diesel Generator Building	217	Room 311A	1,2,3,4,5	Y	N	N
1	1CV211	C Core Spray Pump Room Unit Cooler	(08) Fans & Air Handlers	(10) Air Handlers	Reactor Enclosure	190	Room 113	3	N	N	N
1	1FV211	B Core Spray Pump Room Unit Cooler F	(08) Fans & Air Handlers	(10) Air Handlers	Reactor Enclosure	177	Room 117	3	N	N	N
1	TD-081-102A	Vent Air Exhaust Fan Damper	(08) Fans & Air Handlers	(10) Air Handlers	Diesel Generator Building	217	Room 311A	1,2,3,4,5	Y	N	N
1	1B1K513	B Diesel Generator Starting Air Compressor B1	(10) Air Compressors	(12) Air Compressors	Diesel Generator Building	217	Room 311B	1,2,3,4,5	N	N	N
1	10Y104	Division IV SFGD VAC Instument Panel 10Y104 Service Desc.	(12) Distribution Panels	(14) Distribution Panels and Automatic Transfer Switches	Control Structure	239	Room 432	1,2,3,4,5	N	N	N

Table B-1. SWEL for Unit 1

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Elevation	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
1	1BD102	Turbine Encloser 120 V Power Distribution Panel	(12) Distribution Panels	(14) Distribution Panels and Automatic Transfer Switches	Reactor Enclosure	254	Room 452	1,2,3,4,5	N	N	N
1	1CD105	125V DC Fuse Box	(12) Distribution Panels	(14) Distribution Panels and Automatic Transfer Switches	Control Structure	217	Room 324	1,2,3,4,5	N	N	N
1	1A2D101	125VDC Battery	(13) Batteries & Racks	(15) Battery Racks	Control Structure	239	Room 436	1,2,3,4,5	Y	N	N
1	1DD101	125V DC Battery	(13) Batteries & Racks	(15) Battery Racks	Control Structure	217	Room 323	1,2,3,4,5	Y	N	N
1	1AD160	A RPS & UPS Distribution Panel Static Inverter	(14) Battery Chargers and Inverters	(16) Battery Chargers and Inverters	Control Structure	254	Room 452	2,3	N	N	N
1	1DD103	125 VDC Battery Charger	(14) Battery Chargers and Inverters	(16) Battery Chargers and Inverters	Control Structure	217	Room 323	1,2,3,4,5	N	N	N
1	1AG501	D11 Diesel Generator	(15) Engine Generators	(17) Engine Generators	Diesel Generator Building	217	Room 311A	1,2,3,4,5	Y	N	N
1	10C001	Division I Core Spray System Instrument Rack	(16) Instruments on Racks	(18) Instrument Racks	Reactor Enclosure	217	Room 304W	3	N	N	N
1	10C027	Located Behind HCUs next to the Drywell Personnel Hatch	(16) Instruments on Racks	(18) Instrument Racks	Reactor Enclosure	253	Room 402E	2,3	N	N	N
1	LI-52-140A	Suppression Pool Level	(16) Instruments on Racks	(18) Instrument Racks	Control Structure	269	Room 533 (MCR)	3,4	N	N	N
1	TI-41-101	Suppression Pool Temp DIV I	(16) Instruments on Racks	(18) Instrument Racks	Control Structure	289	Room 540	5	N	N	N
1	XR-42-1R623A	Wide Range Reactor Pressure	(16) Instruments on Racks	(18) Instrument Racks	Control Structure	269	Room 533 (MCR)	2	N	N	N
1	FT-51-1N001	RHR HTX A & Pump A Discharge Flow	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	217	Room 304W	4	N	N	N
1	LSHL-20-122A	Diesel Oil Day Tank Hi / Low Level	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Diesel Generator Structure	217	Room 311A	1,2,3,4,5	N	N	N
1	LT-42-115B	Reactor Level	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	253	Room 402E	3	N	N	N
1	PDS-059-106B	N2 Supply to ADS System	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	253	Room 402E	2	N	N	N
1	PDSH-20-122B	D/G Oil XFER Suction	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Diesel Generator Building	217	Room 311B	1,2,3,4,5	N	N	N
1	PDT-51-1N060B	LPCI Line Differential Pressure	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	253	Room 402E	3,4	N	N	N
1	PSL-12-102A	RHR Service Water Pump Loop A to RHR HTX A	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	195	Room 202	4	N	N	N
1	PT-42-103B	Reactor Coolant Pressure	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Reactor Enclosure	253	Room 402E	2	N	N	N
1	TISH-20-121B	Diesel Oil Day Tank 1CT528 High Temp Stop XFER Pump	(17) Temperature Sensors/Local Instruments (Not on Racks)	(19) Temperature Sensors	Diesel Generator Building	217	Room 312B	1,2,3,4,5	N	N	N

Table B-1. SWEL for Unit 1

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Elevation	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
1	10C602	Reactor Recirc Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	1,4	N	N	N
1	10C603	Reactor Control Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	1,2,3	N	N	N
1	10C609	RPS Channel "A" Vertical Board	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	289	Room 542	1,2,3	N	N	N
1	10C626	ADS Control Room Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	2	N	N	N
1	10C647	Panel HPCI Vertical Board	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	3	N	N	N
1	10TB-053	Rack / Panel (Terminal Box)	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	1AC563	Diesel Generator Enclosure HVAC Control Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	1AD106	125/250V DC Current Transducer Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	239	Room 435	1,2,3,4,5	N	N	N
1	1AG502	D11 EDG Excitation System Cabinet	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	1AJ860	ESS DIV I	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Diesel Oil Storage Tank Underground Structure	206	Yard	1,2,3,4,5	N	N	N
1	1AS921	MSRV Postion Monitor	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Reactor Enclosure	253	Room 402A	2	N	N	N
1	1CC208	Unit Cooler Control Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Reactor Enclosure	201	Room 208	3,4	N	N	N
1	1DC661	Panel D Safegard System Vertical Board	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	1,2,3,4,5	N	N	N
1	1AE205	Residual Heat Removal Heat Exchanger	(19) Vertical Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure	177	Room 102	4	Y	Y	N
1	1B1T558	B Diesel Generator Starting Air Reservoir B1	(19) Vertical Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Diesel Generator Building	217	Room 311B	1,2,3,4,5	N	N	N
1	1BE205	RHR Heat Exhanger	(19) Vertical Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure	177	Room 103	4	Y	Y	N
1	1BS252-1	B PCIG/ADS Nitrogen Bottles	(19) Vertical Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure	217	Room 304E	2	N	N	N
1	1BT528	B Diesel Generator Day Tank	(19) Vertical Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Diesel Generator Building	217	Room 312B	1,2,3,4,5	N	N	N
1	1AS575	Diesel Generator Exhaust Silencer	(20) Horizontal Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N
1	1AT564	Diesel Generator Jacket Water Expansion Tanks	(20) Horizontal Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Diesel Generator Building	217	Room 311A	1,2,3,4,5	N	N	N

Table B-2. SWEL for Unit 0 (common)

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Equip Elev	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
0	00B132	Control Enclosure Safeguard 440V MCC	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Control Structure	304	Room 619E	1,2,3,4,5	N	N	N
0	00B519	Spray Pond 440V AC Power MCC	(01) Motor Control Centers / Low & Medium Voltage Switchgears	(01) Motor Control Centers and Wall-Mounted Contactors	Spray Pond Building	268	Room 1000	1,2,3,4,5	N	N	N
0	01X566	DIV I Spray Pond Pump Structure 120V AC Instrument Panel XFMR	(02) Transformers	(04) Transformers	Spray Pond Building	268	Room 1000	1,2,3,4,5	N	N	N
0	0AP162	Control Room HVAC Chilled Water Pump	(03) Horizontal Pumps	(05) Horizontal Pumps	Control Structure	200	Room 258	1,2,3,4,5	N	N	N
0	0AP506	RHR Service Water Pump	(04) Vertical Pumps	(06) Vertical Pumps	Spray Pond Building	268	Room 1000	4	Y	N	N
0	0AP548	Emergency Service Water Pump	(04) Vertical Pumps	(06) Vertical Pumps	Spray Pond Building	268	Room 1000	1,2,3,4,5	Y	N	N
0	HV-078-021B	Outside Air to MCR Isolation Valve	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Control Structure	304	Room 619	1,2,3,4,5	N	N	N
0	HV-12-032A	Spray Nozzles A Inlet	(06) Motor Operated Valves	(08) Motor-Operated and Solenoid-Operated Valves	Spray Pond Building	256	Room 1010	1,2,3,4,5	Y	N	N
0	0BV543	B' Spray Pond PP. Structure Air Supply Fan	(08) Fans & Air Handlers	(09) Fans	Spray Pond Building	268	Room 1005	1,2,3,4,5	Y	N	N
0	HD-078-027A	Control Room Intake Damper	(08) Fans & Air Handlers	(10) Air Handlers	Control Structure	304	Room 619	1,2,3,4,5	N	N	N
0	HD-081-041A	Spray Pond Intake Fan Damper	(08) Fans & Air Handlers	(10) Air Handlers	Spray Pond Building	268	Room 1005	4	Y	N	N
0	0AK112	Control Structure Chiller	(09) Chillers	(11) Chillers	Control Structure	200	Room 258	1,2,3,4,5	N	N	N
0	PSH-12-004A	RHR Service Water Pump 0A506 Loop A	(17) Temperature Sensors/Local Instruments (Not on Racks)	(18) Instrument Racks	Spray Pond Building	268	Room 1000	1,2,3,4,5	N	N	N
0	0AC564	Control Panel Spray Pond Pump Structure Air Supply Fan	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Spray Pond Building	268	Room 1000	1,2,3,4,5	N	N	N
0	0CC667	ESW Division III Control Panel	(18) Control Panels & Cabinets	(20) Instrumentation and Control Panels	Control Structure	269	Room 533 (MCR)	4	N	N	N

Table B-3. Deferred to RFO: Inaccessible, or Requires Removal of Insulation to see Anchorage

Unit	Component ID	Description	IPEEE Class	EPRI Class	Building	Elevation	Location	NTTF 2.3 Function	Risk Significant?	New or Replace?	IPEEE Enhancement?
1	HV-41-1F022A	Inboard Main Steam Isolation Valve	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure (DW)	279	Room 400	5	N	N	N
1	HV-41-1F028A	Outboard Main Steam Isolation Valve	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure	279	Room 518	5	N	N	N
1	HV- 41-1F074A	FDWTR Inboard Isolation Valve	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure (DW)	279	Room 518	5	N	N	N
1	HV-51-1F041A	1A LPCI INJ HDR Testable CHK & Bypass PCIV	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure (DW)	286	Room 400	4	N	N	N
1	PSV-41-1F013E	Main Steam Line Safety/Relief Valve on MSL 'A'	(05) Fluid (Air/Hyd) Valves	(07) Pneumatic-Operated Valves	Reactor Enclosure (DW)	286	Room 400	2	N	N	N
1	1AV212	DW Chiller Fan	(08) Fans & Air Handlers	(09) Fans	Reactor Enclosure (DW)	253	TBD	5	N	N	N
1	TE-41-101D	Suppression Pool Temp DIV 1	(17) Temperature Sensors/Local Instruments (Not on Racks)	(19) Temperature Sensors	Reactor Enc (supp pool)	182	Room 101	4,5	N	N	N
1	10E210	HPCI Turbine Barometric Condensor	(20) Horizontal Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure	177	Room 109	3,4	N	N	N
1	1ET003	E Main Steam Relief Valve (MSRV) Accumulator Tank	(20) Horizontal Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure (DW)	286	Room 400	2	N	N	N
1	1ST003	MSRV Accumulator Tank	(20) Horizontal Tanks or Heat Exchangers	(21) Tanks and Heat Exchangers	Reactor Enclosure (DW)	273	Room 400	2	N	N	N

C

Seismic Walkdown Checklists (SWCs)

Below are the names and signatures of the personnel who performed the seismic walkdowns.

Thomas King 

Craig Swanner 

Mojtaba Oghbaei 

James Wiggin 

Caroline Schlaseman 

The order of the Seismic Walkdown Checklists (SWCs) for Unit 1 is shown in Table C-1 below and the order of the SWCs for Unit 0 (common) is shown in Table C-2.

The "Anchorage Configuration Confirmation" column is described in Section 5.2.1 of this report. The last column in Tables C-1 and C-2 provides the corresponding Area Walk-By Checklist (AWC). (AWCs are included in Appendix D of this report.) AWC identifiers with asterisks (*) indicate the second or subsequent SWEL item included with a specific Area Walk-By.

Table C-1. Unit 1 Seismic Walkdown Checklists (SWCs)

Component ID	Description	Anchorage Configuration Confirmed?	AWC - U1-xx
10A118	Switchgear, 4KV, 3PH, 3 Wire, 60Hz	N	24*
10B201	D114 Reactor Area Safeguard Load Center	Y	2
10B204	Reactor Area 480V Safeguard Load Center	Y	6
10B211	D114 Reactor Area Safeguard 480V Motor Control Center	Y	32*
10B213	D114-R-C Reactor Area Safeguard 480V Motor Control Center	Y	4
10B214	D124 Reactor Area Safeguard 480V MCC	Y	5
10B515	D114-D-G Diesel Gen. Area Safeguard 480V MCC	Y	3
10C001	Division I Core Spray System Instrument Rack	Y	29
10C027	Located Behind HCUs next to the Drywell Personnel Hatch	Y	31*
10C602	Reactor Recirc Panel	N	35
10C603	Reactor Control Panel	N	35*
10C609	RPS Channel "A" Vertical Board	N	38
10C626	ADS Control Room Panel	N	37*
10C647	Panel HPCI Vertical Board	N	37
10D202	Reactor Enclosure 250V DC Motor Control Center	Y	7
10P203	RCIC Pump	Y	10
10P204	HPCI Pump	Y	18*
10S211	HPCI Turbine	Y	18*
10-S224-30-19	CRD Hydraulic Control Unit	N	1
10TB-053	Rack / Panel (Terminal Box)	N	3*
10X109	DIV IV 4KV Transformer	N	9
10X204	4KV-480V Transformer	Y	6*
10X282	B Reactor Enclosure HVAC Transformer	N	8
10Y104	Division IV SFGD VAC Instument Panel 10Y104 Service Desc.	N	24
1A2D101	125VDC Battery	Y	27
1AC563	Diesel Generator Enclosure HVAC Control Panel	N	43*
1AD106	125/250V DC Current Transducer Panel	N	34
1AD160	A RPS & UPS Distribution Panel Static Inverter	N	28
1AE205	Residual Heat Removal Heat Exchanger	Y	14*
1AG501	D11 Diesel Generator	Y	3*
1AG502	D11 EDG Excitation System Cabinet	N	3*
1AJ860	ESS DIV I	N	12*
1AP202	RHR Pump	Y	14*
1AP206	Core Spray Pump and Driver	Y	11
1AP514	Diesel Generator Diesel Oil Pump	N	12

Table C-1. Unit 1 Seismic Walkdown Checklists (SWCs)

Component ID	Description	Anchorage Configuration Confirmed?	AWC - U1-xx
1AS575	Diesel Generator Exhaust Silencer	Y	3*
1AS921	MSRV Postion Monitor	N	36
1AT564	Diesel Generator Jacket Water Expansion Tanks	Y	43
1AV209	HPCI Pump & Turbine Room Cooler	Y	18*
1AV210	RHR Pump Room Unit Cooler	Y	14*
1AV512	DIESEL GENERATOR/ Room Ventiliation Fan	Y	43*
1B1K513	B Diesel Generator Starting Air Compressor B1	Y	22
1B1T558	B Diesel Generator Starting Air Reservoir B1	Y	22*
1BD102	Turbine Encloser 120 V Power Distribution Panel	N	25
1BE205	RHR Heat Exhanger	Y	42
1BS252-1	B PCIG/ADS Nitrogen Bottles	Y	41
1BT528	B Diesel Generator Day Tank	Y	40
1CC208	Unit Cooler Control Panel	Y	39
1CD105	125V DC Fuse Box	N	23
1CV211	C Core Spray Pump Room Unit Cooler	Y	21
1DC661	Panel D Safegard System Vertical Board	N	37*
1DD101	125V DC Battery	Y	26
1DD103	125 VDC Battery Charger	Y	26*
1FV211	B Core Spray Pump Room Unit Cooler F	Y	20
FT-51-1N001	RHR HTX A & Pump A Discharge Flow	Y	32
HV-011-042	HPCI PP RM CLR RET to ESW Loop B	N/A	18*
HV-051-1F014A	1A RHR HTX RHRSW Inlet Valve	N/A	16
HV-11-104A	RHR PP RM CLR A Supply Valve	N/A	14
HV-11-132A	ESW EDG JW Cooling Isolation Valve	N/A	3*
HV-49-1F029	RCIC Suppression Pool Isolation Valve	N/A	10*
HV-52-1F037	Core Spray Isolation Valve (MOV outboard of Drywell)	N/A	17
HV-55-1F003	HPCI Steam Outboard Isolation Valve	N/A	15
HV-55-1F004	CST to HPCI Pump Suction Isolation Valve	N/A	18
HV-57-131	Suppression Pool Purge Inboard PCIV	N/A	15*
LI-52-140A	Suppression Pool Level	N	37*
LSHL-20-122A	Diesel Oil Day Tank Hi / Low Level	N/A	3*
LT-42-115B	Reactor Level	Y	31*
PDS-059-106B	N2 Supply to ADS System	Y	1*
PDSH-20-122B	D/G Oil XFER Suction	N	22*
PDT-51-1N060B	LPCI Line Differential Pressure	Y	31
PSL-12-102A	RHR Service Water Pump Loop A to RHR HTX A	Y	33

Table C-1. Unit 1 Seismic Walkdown Checklists (SWCs)

Component ID	Description	Anchorage Configuration Confirmed?	AWC - U1-xx
PT-42-103B	Reactor Coolant Pressure	Y	31*
SV-47-1F009	CRD SCRAM Discharge Isolation Pilot Solenoid Valve	N/A	19
TD-081-102A	Vent Air Exhaust Fan Damper	N/A	43*
TI-41-101	Suppression Pool Temp DIV I	N/A	30
TISH-20-121B	Diesel Oil Day Tank 1CT528 High Temp Stop XFER Pump	N/A	40*
XR-42-1R623A	Wide Range Reactor Pressure	N	37*

Seismic Walkdown Checklist (SWC)

Equipment ID No. 10A118 (D14 Compt. 11) Equip. Class[12] 01 (MCCs/ Low & Medium Switchgear)

Equipment Description Switchgear, 4kV, 3ϕ, 60Hz

Location: Bldg. Control Structure Floor El. 239 Room, Area 432

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☐ N☒

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒
   plug welds in corners to embedded steel.
   cabinets bolted to each other.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐
   Only verified Compartment 11 breaker cabinet.

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10A118 Equip. Class[12] 01 (MCCs/Low & Medium Switchgear)

Equipment Description Switchgear, 4 KV, 3φ, 60 Hz

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

   No soft targets in the rear. No credible F/I issues identified.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

   Block wall is seismically qualified per DWG C-756, Rev. 0 and Dwg. C-605, Rev. 25. MO 9/7/12

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

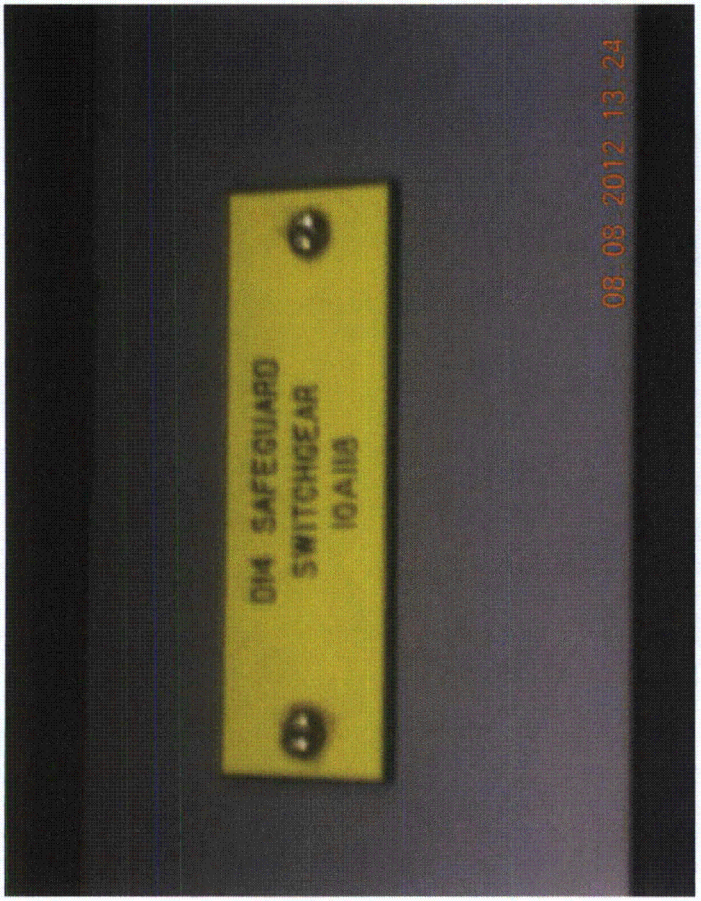
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

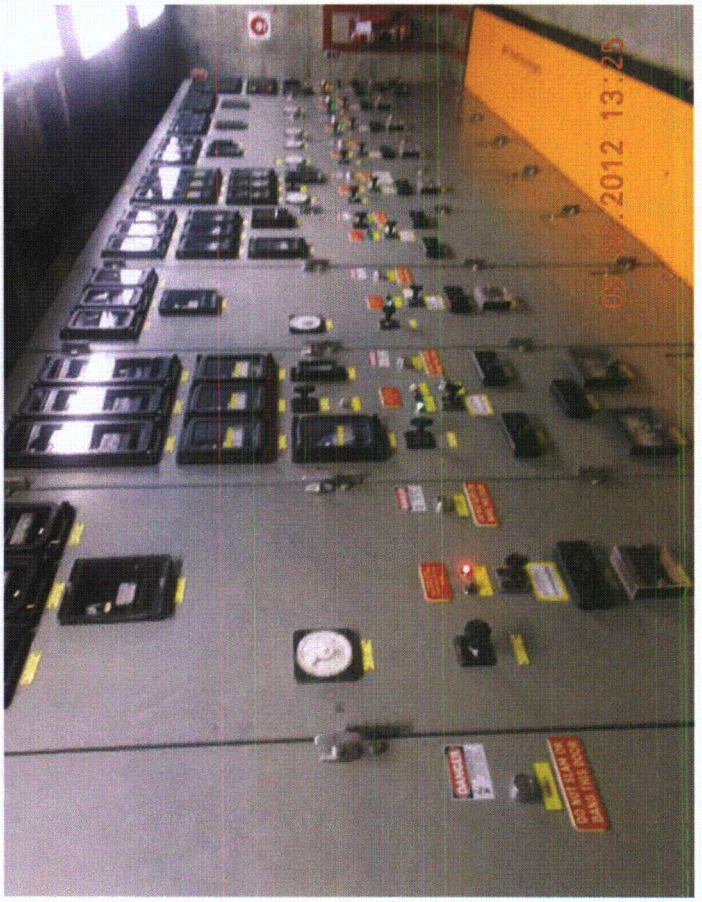
Comments (Additional pages may be added as necessary)

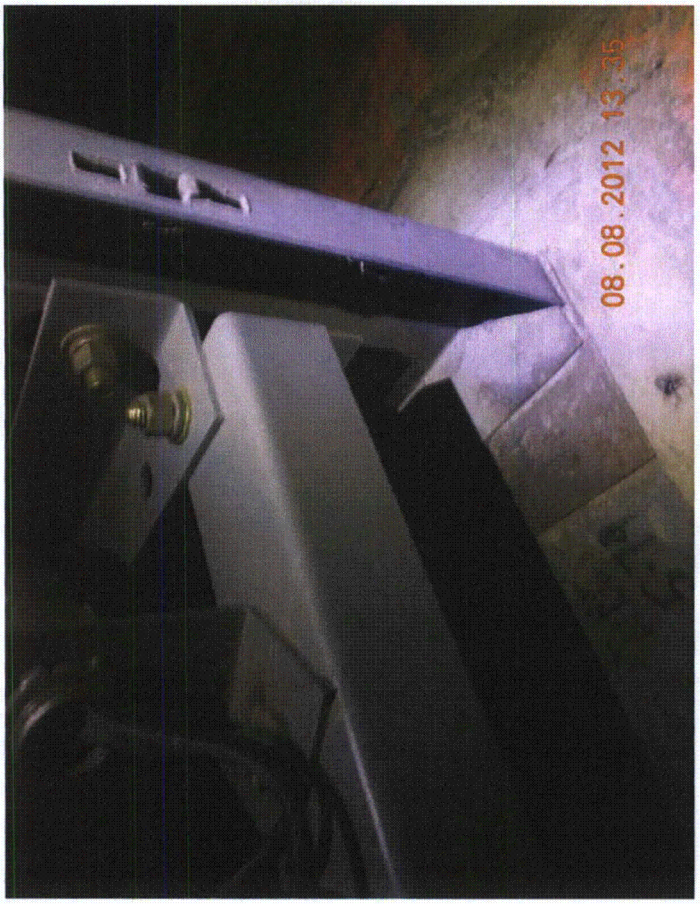
Evaluated by: Moghbar Date: 8/9/12

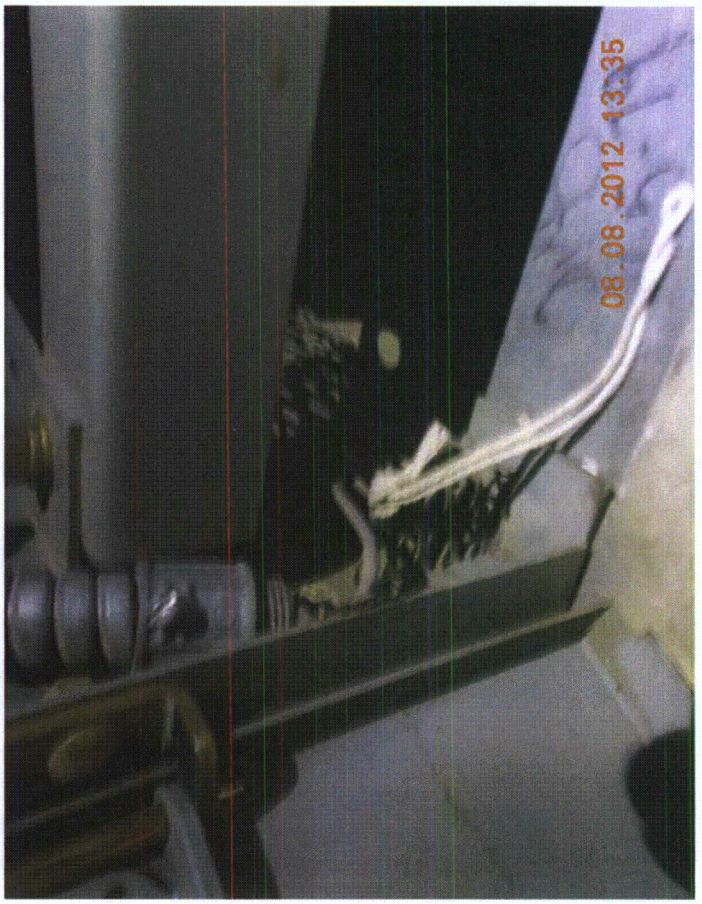
8/9/12

Equipment ID: 10A118









Seismic Walkdown Checklist (SWC)

Equipment ID No. 10B201 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114 Reactor Area Safeguard Load Center*

Location: Bldg. *Reactor Enclosure* Floor El. *313* Room, Area *Room 602W*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☒ N☐

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐

• Matches Dwg. # 8031-E-10-95-15, Rev. 15BR

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10B201 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114 Reactor Area Safeguard Load Center*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   - No soft targets

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   - Fluorescent tubes missing cages deemed credible but not significant
   - Trolley on top locked in place

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

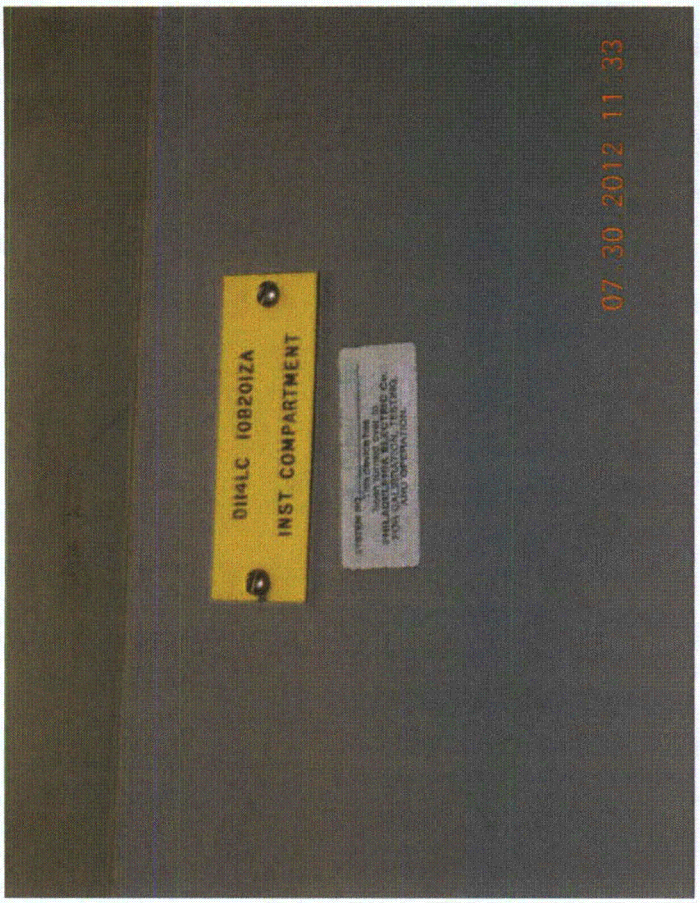
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

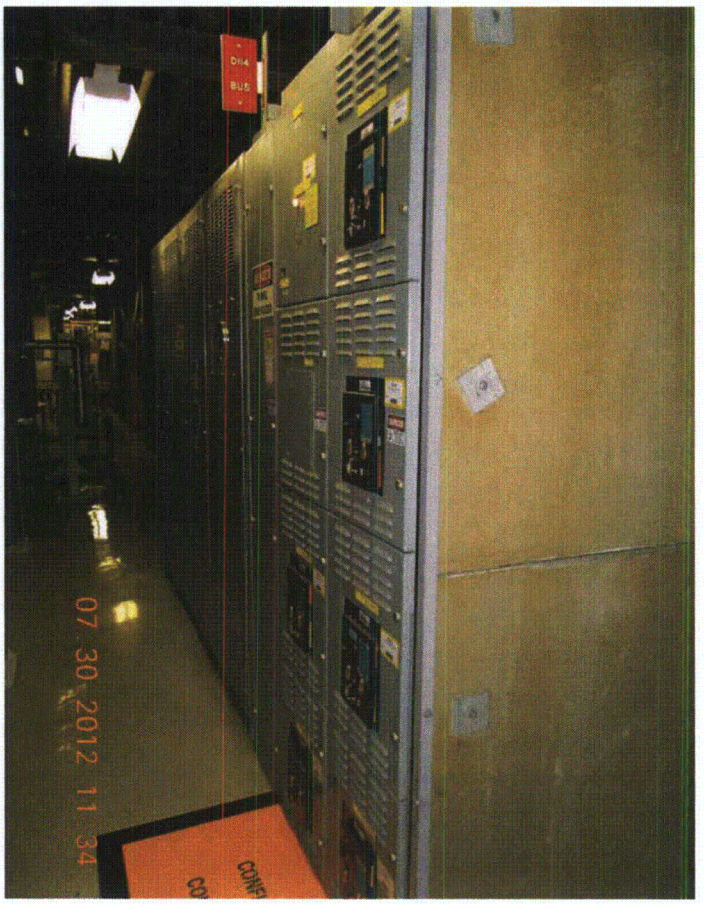
Comments (Additional pages may be added as necessary)

N/A

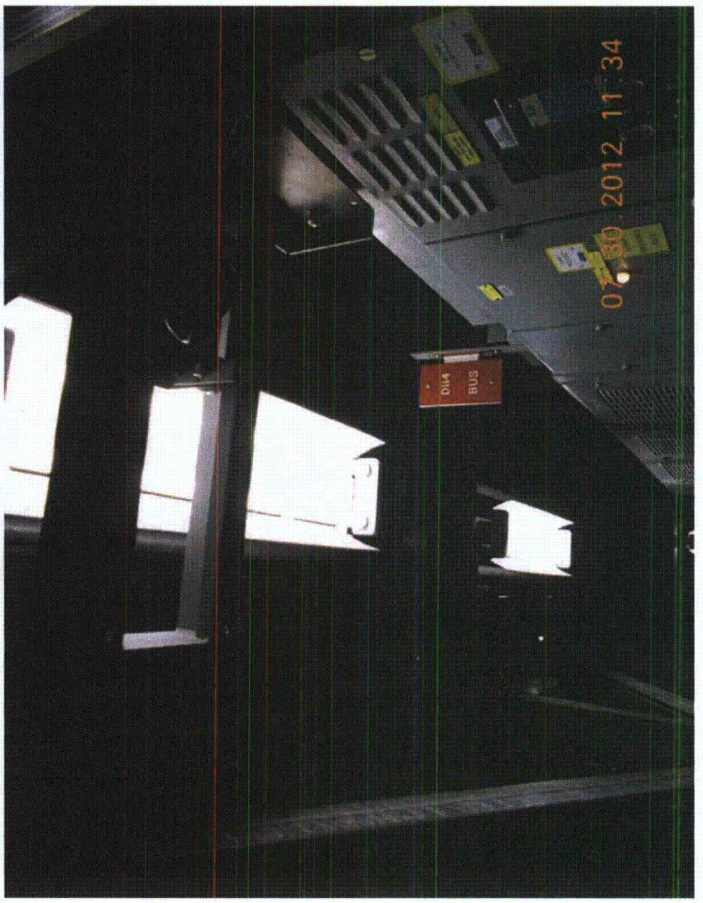
Evaluated by: James Wiggin Date: 8/3/2012

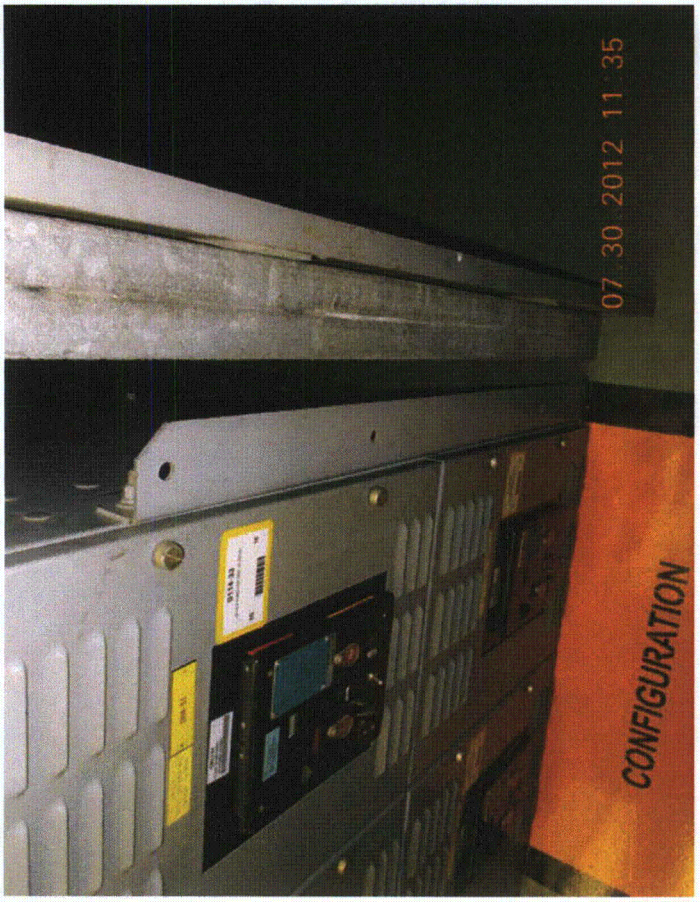
8/3/2012

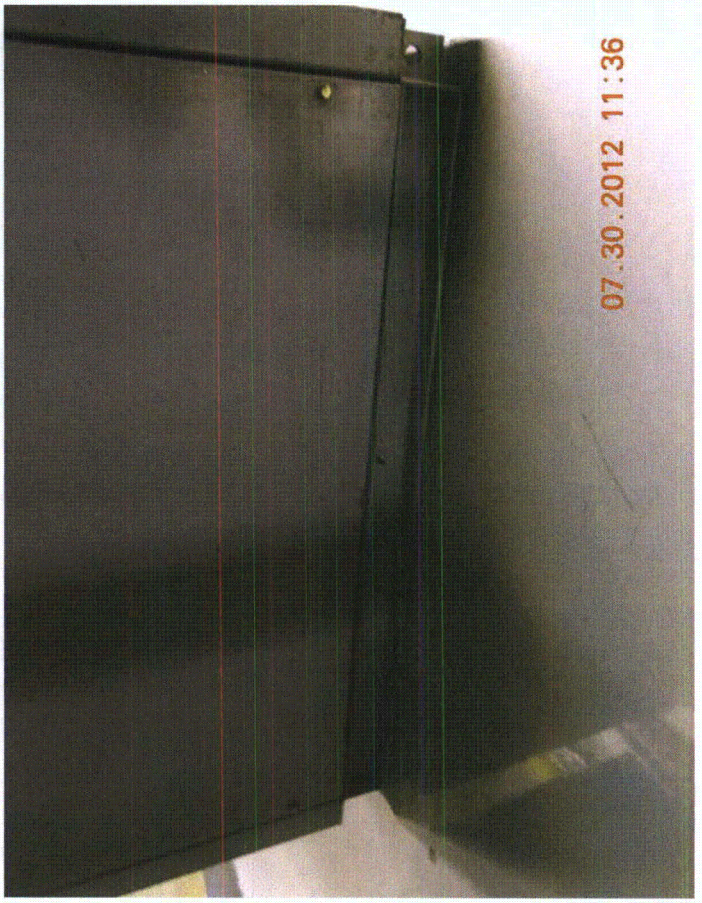

07 30 2012 11 33
DII4LC 10B201ZA
INST COMPARTMENT

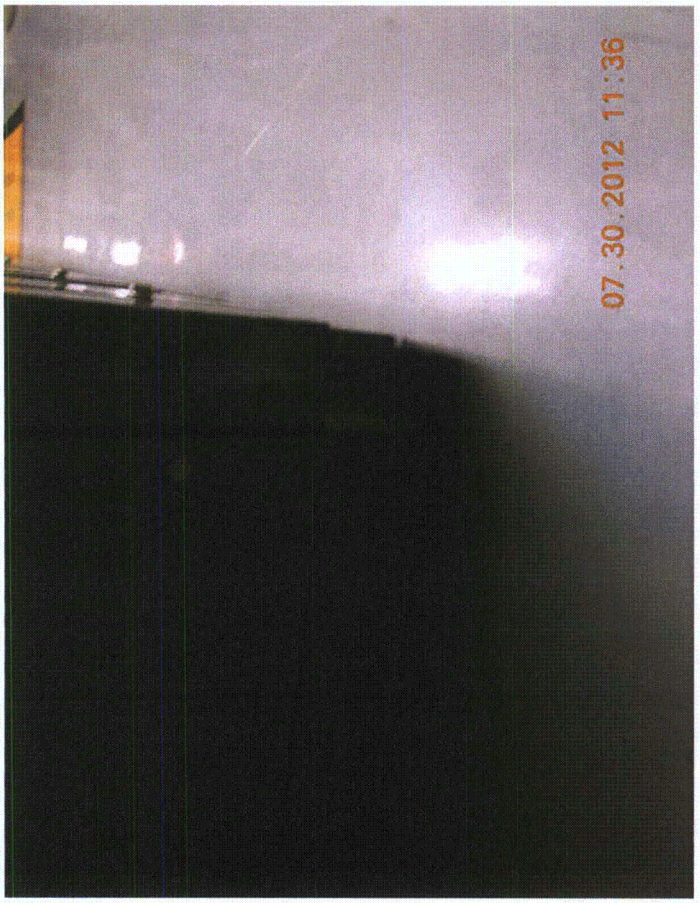

07 30 2012 11 34
DII4
BUS

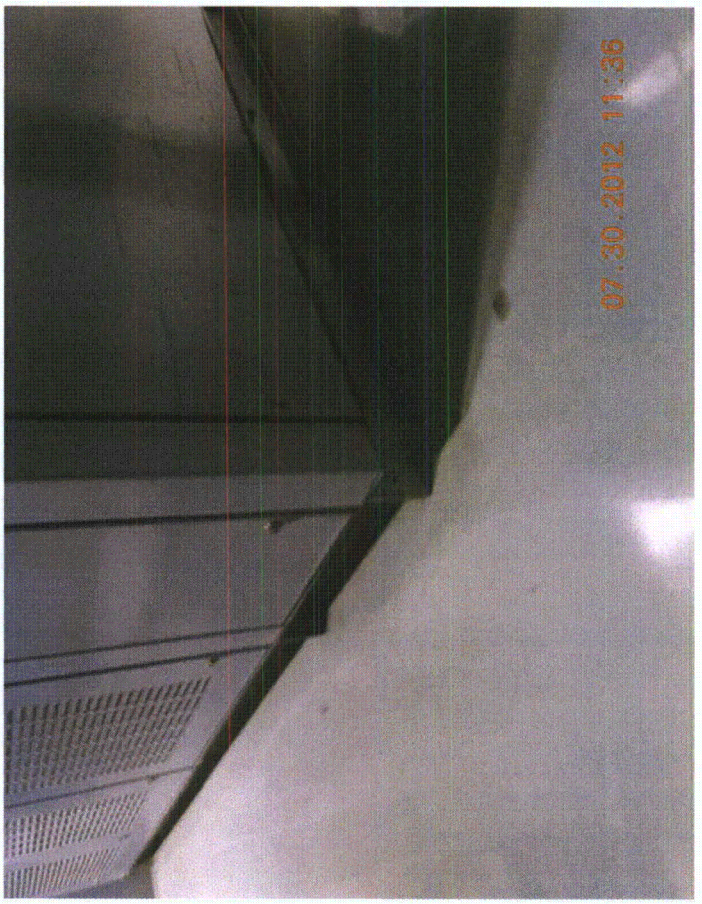

07 30 2012 11 36

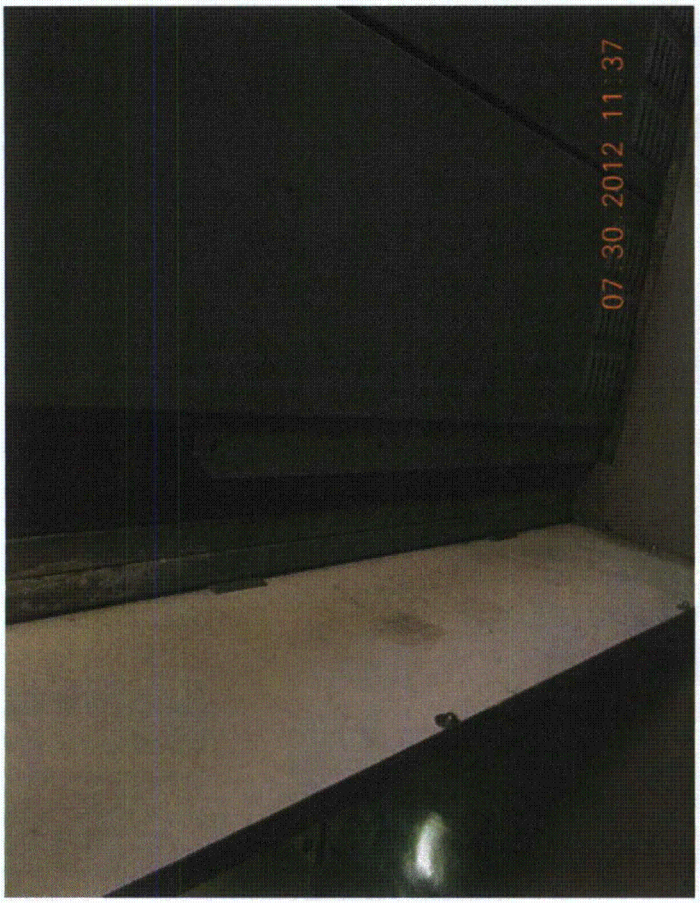

07 30 2012 11 34
DII4
BUS

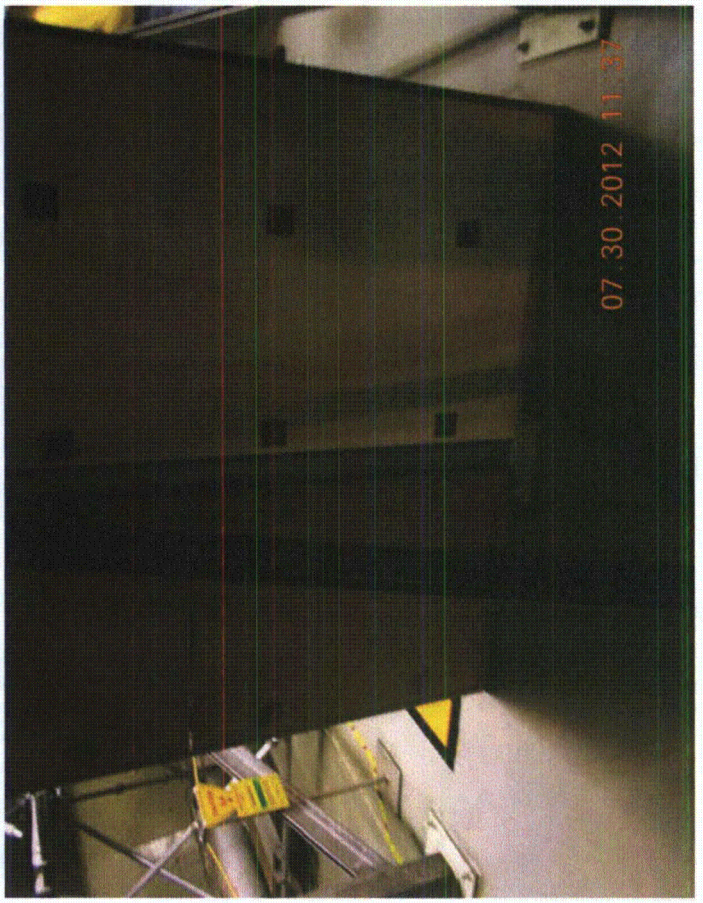

07 30 2012 11 35
CONFIGURATION

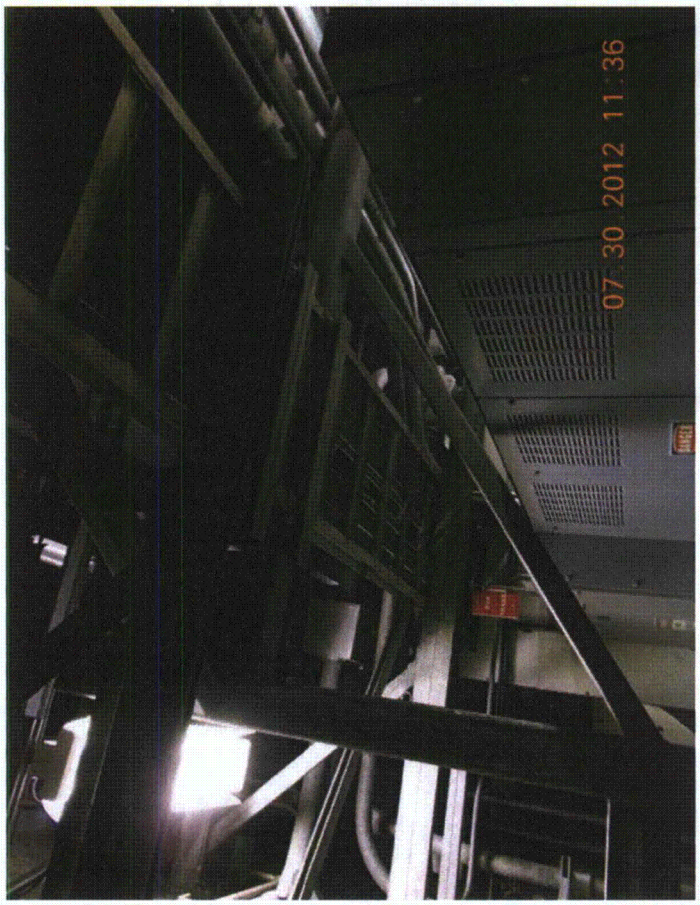

07.30.2012 11:36

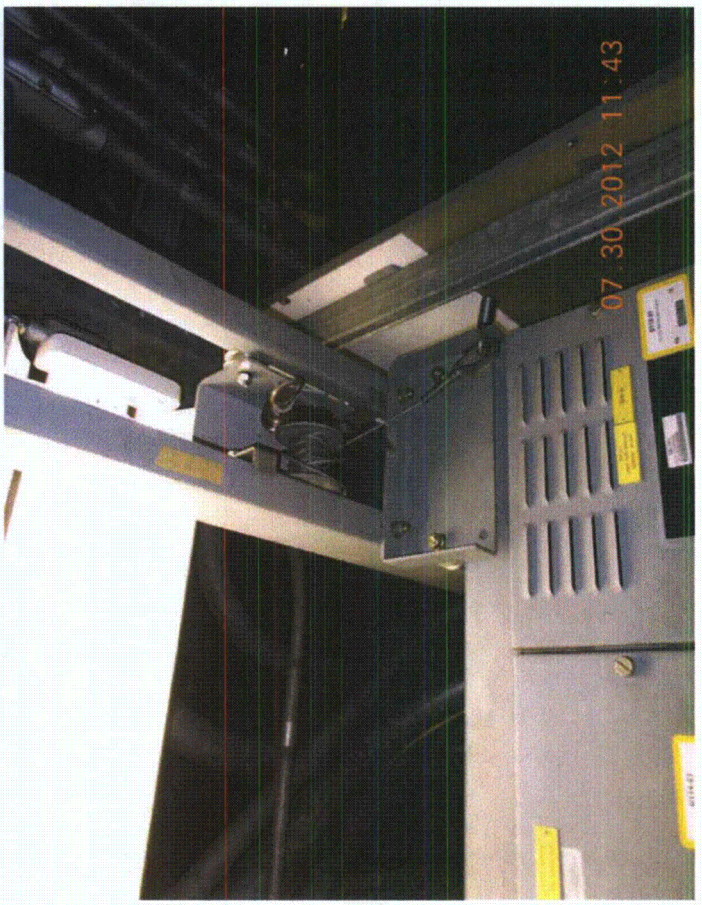

07.30.2012 11:36

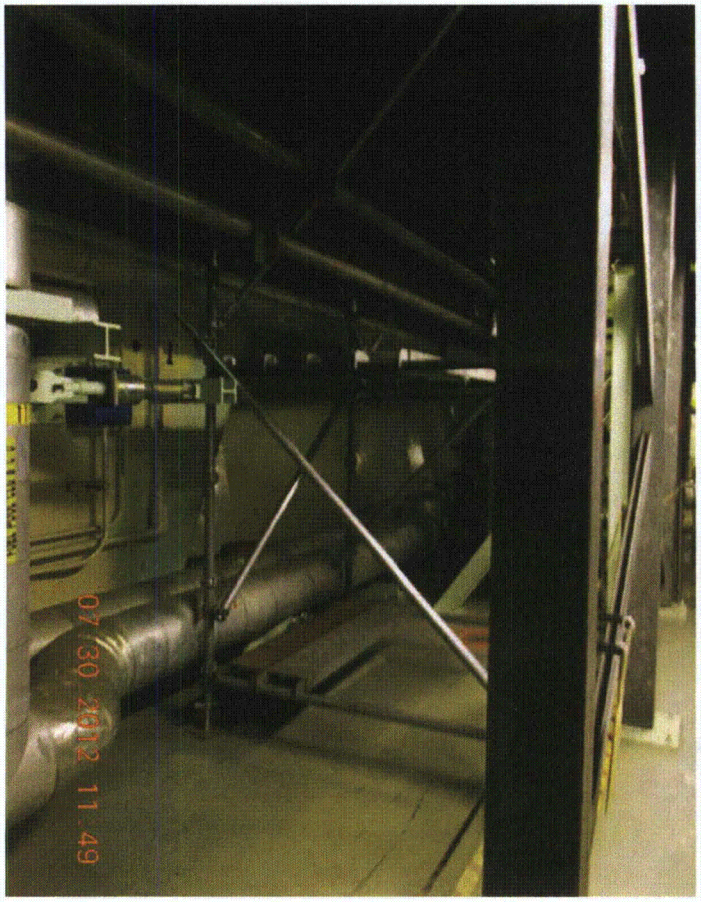

07.30.2012 11:36


07 30 2012 11:37


07 30 2012 11:37


07 30 2012 11:36


07 30 2012 11:43


07 30 2012 11 49


07 30 2012 11:50

Seismic Walkdown Checklist (SWC)

Equipment ID No. 10B204 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *Reactor Area 480V Safeguard Load Center*

Location: Bldg. *Reactor Enclosure* Floor El. *283* Room, Area *Room 506E*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☒ N☐

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
Matches Dwg. # E-010-00098, Rev. 11

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10B204 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *Reactor Area 480V Safeguard Load Center*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   - No soft targets

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   - Fluorescent tubes missing cages deemed credible but not significant

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

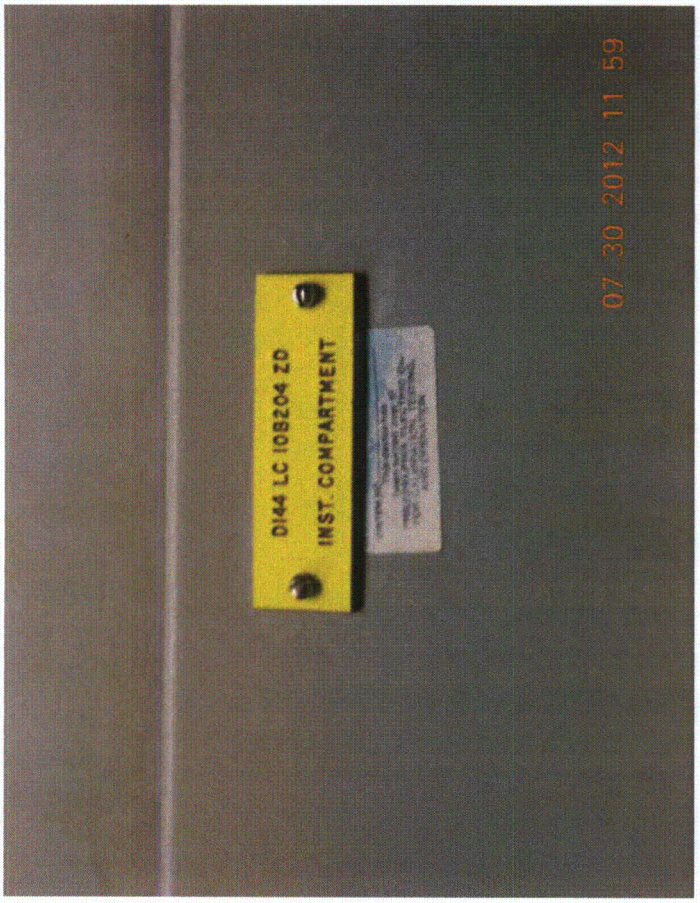
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

- Load center bolted to angle welded to ~~E10-10x~~ 10X204, welded to I-beams, welded to embedded steel

Evaluated by: James Wiggin Date: 8/3/2012

8/3/2012

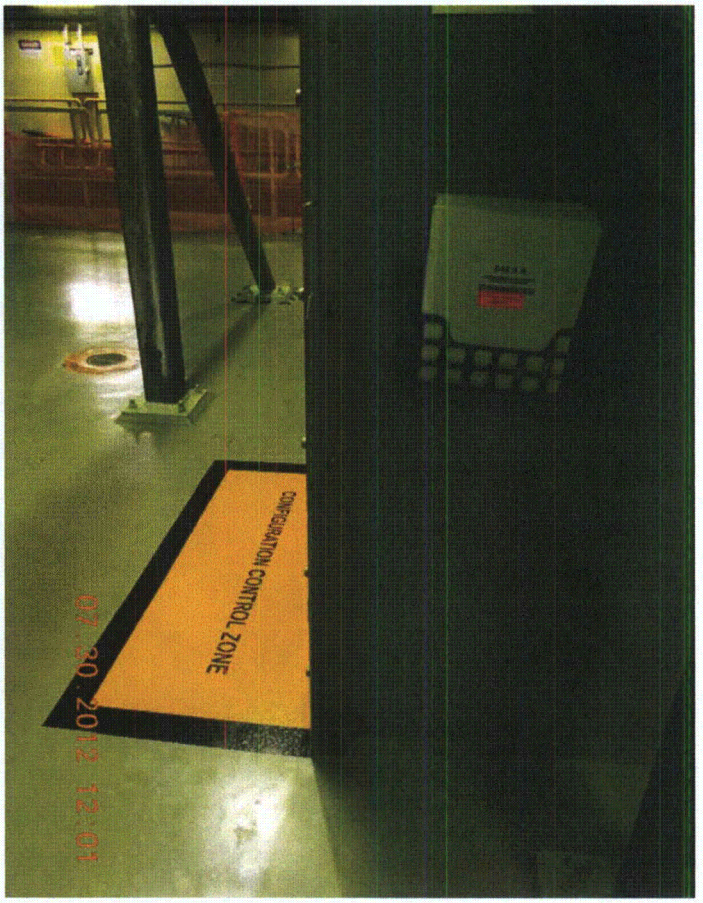

07 30 2012 11 59
D144 LC 10B204 2D
INST. COMPARTMENT

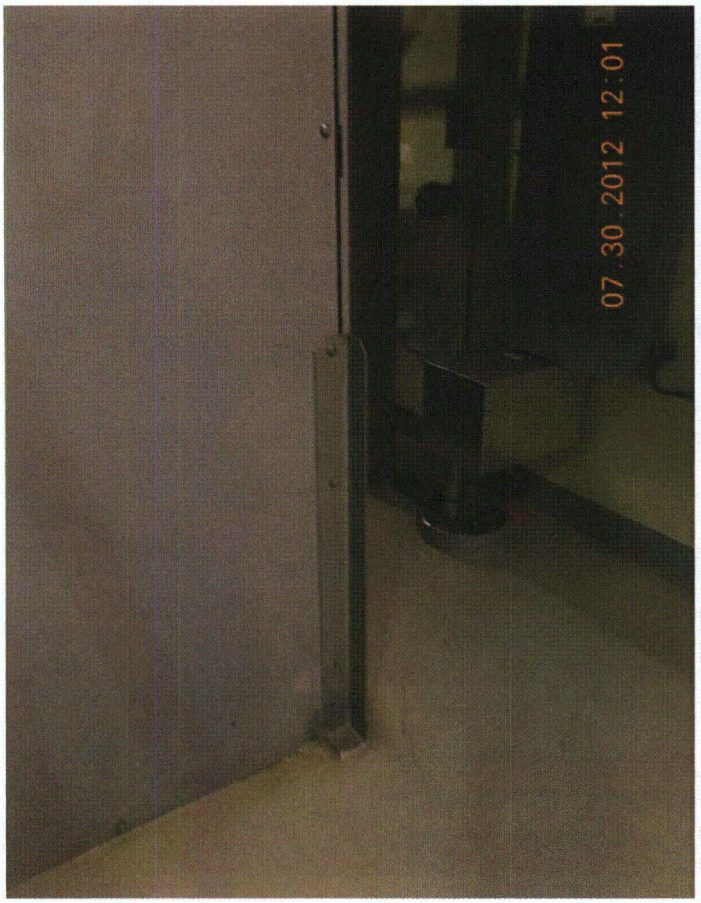

07 30 2012 12 01
DANGER

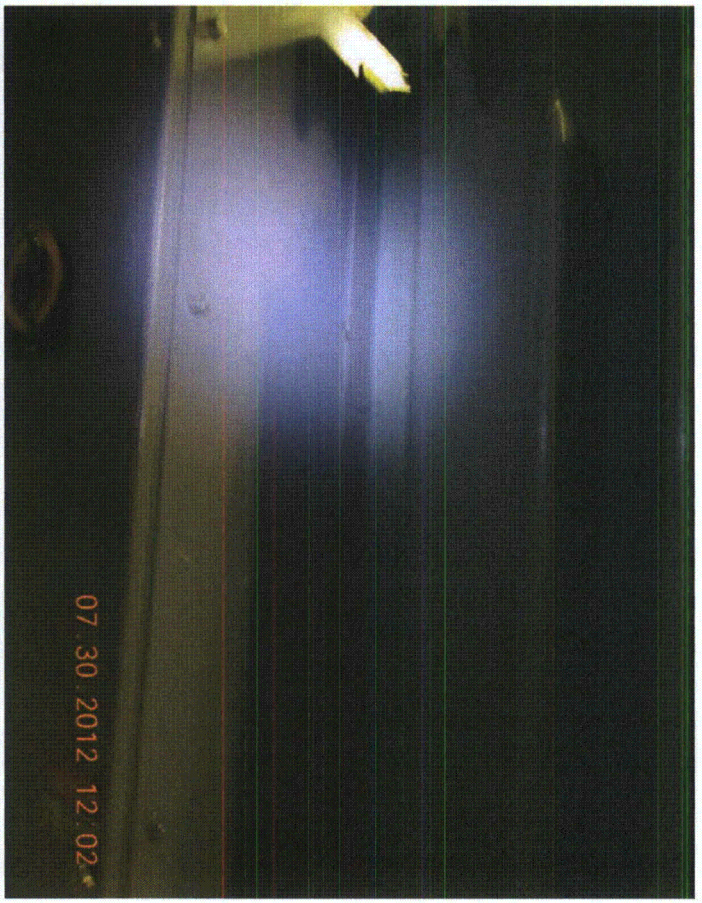

07 30 2012 12:00
DANGER


CONFIGURATION CONTROL
07.30.2012 12:00

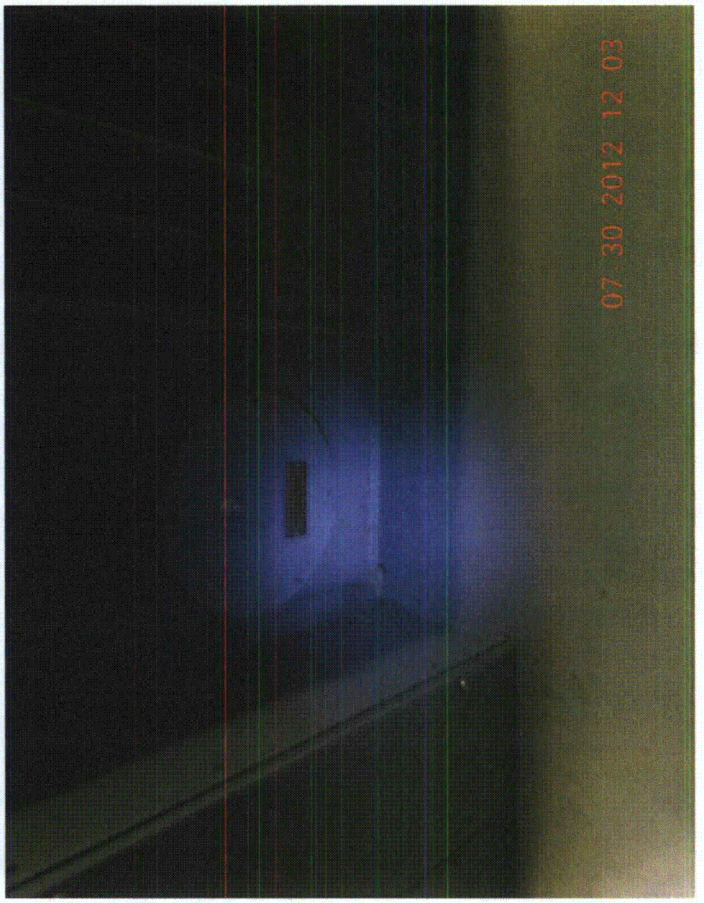

07 30 2012 12 02
0P034

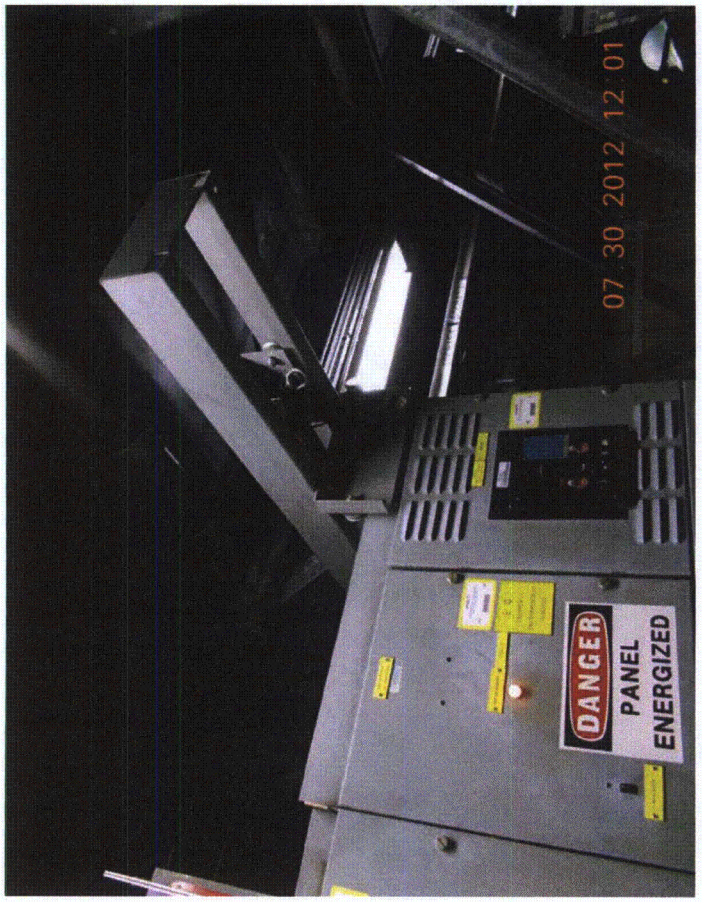

CONFIGURATION CONTROL ZONE
07 30 2012 12 01

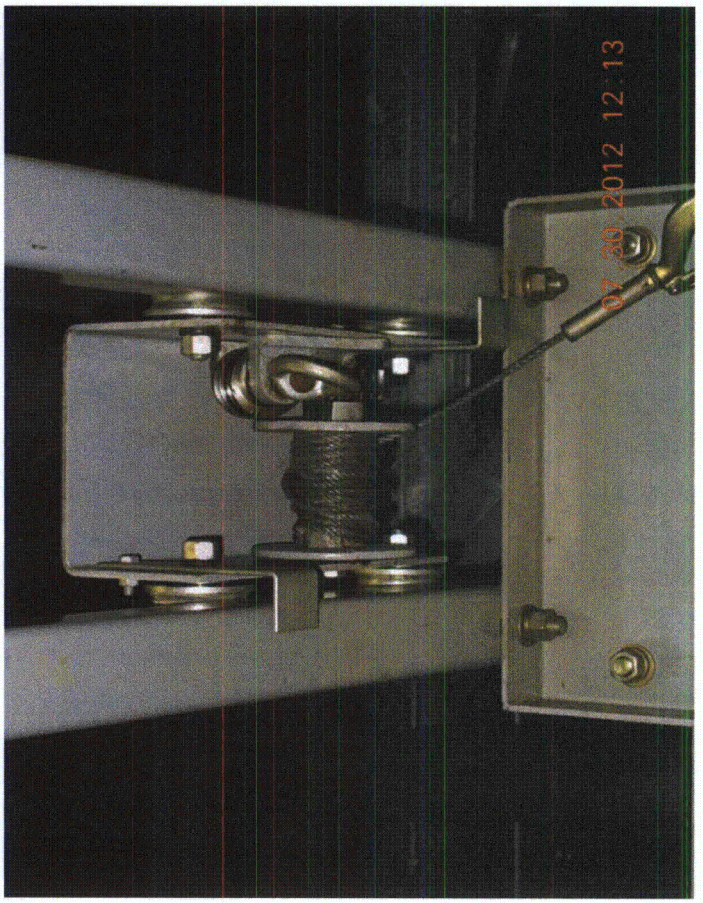

07 30 2012 12 01

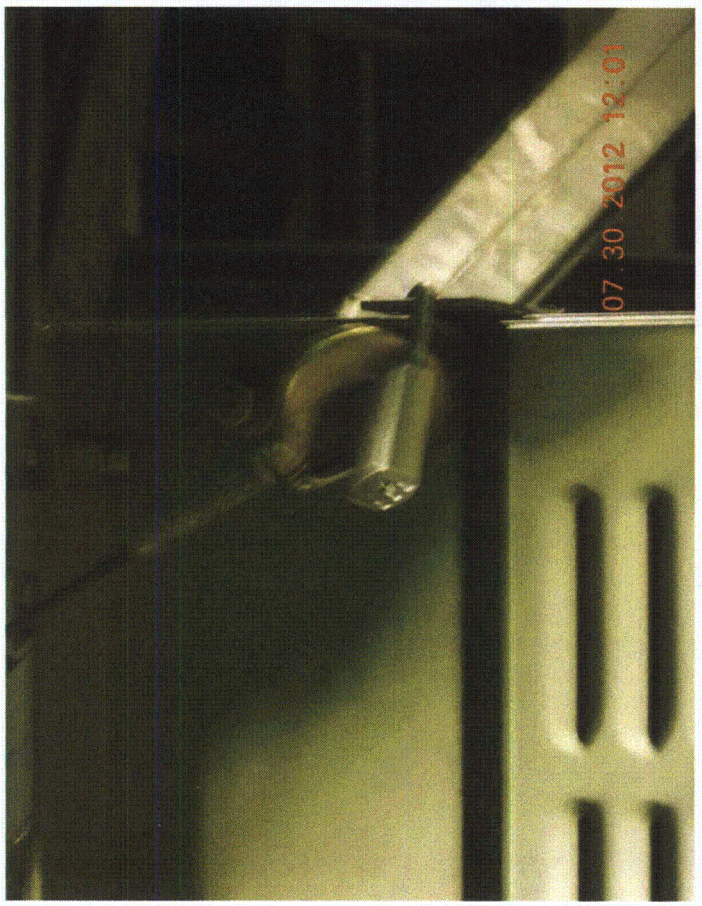

07 30 2012 12 02

Equipment ID: 10B204



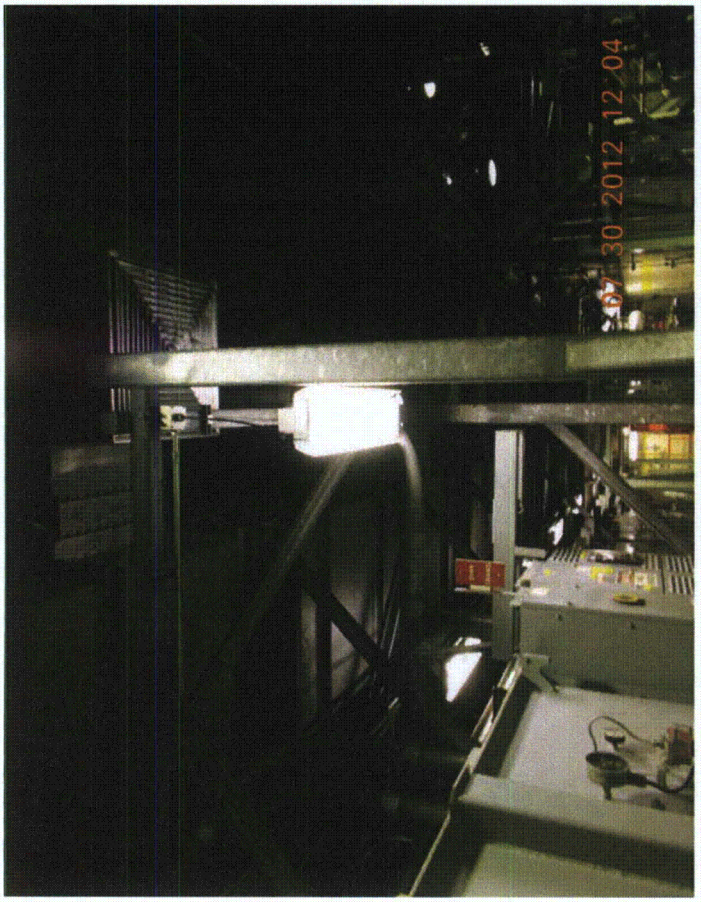

07 30 2012 12 01
DANGER
PANEL
ENERGIZED

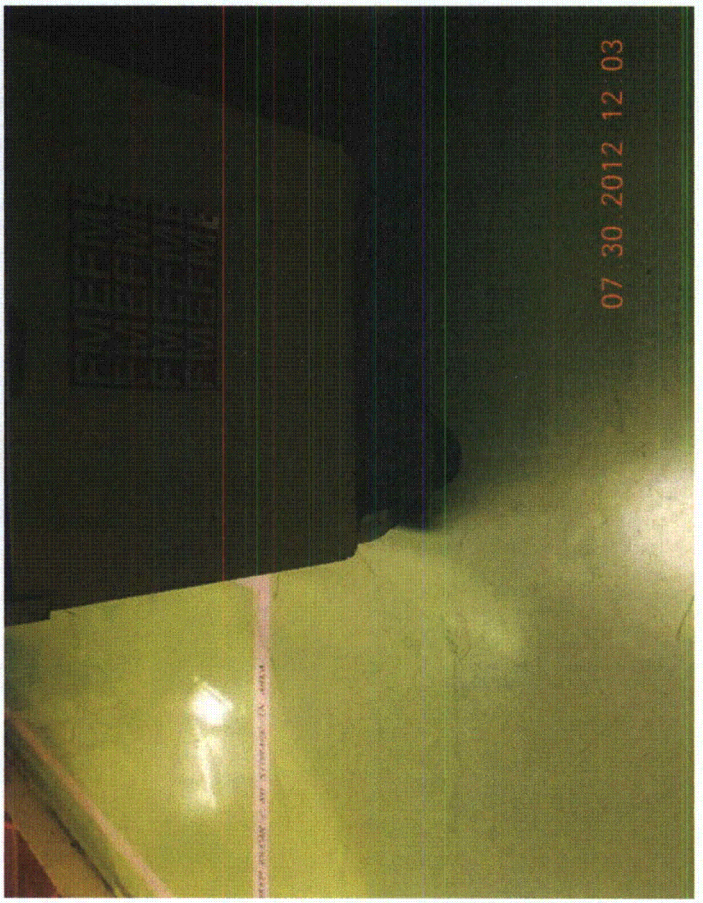

07 30 2012 12 13

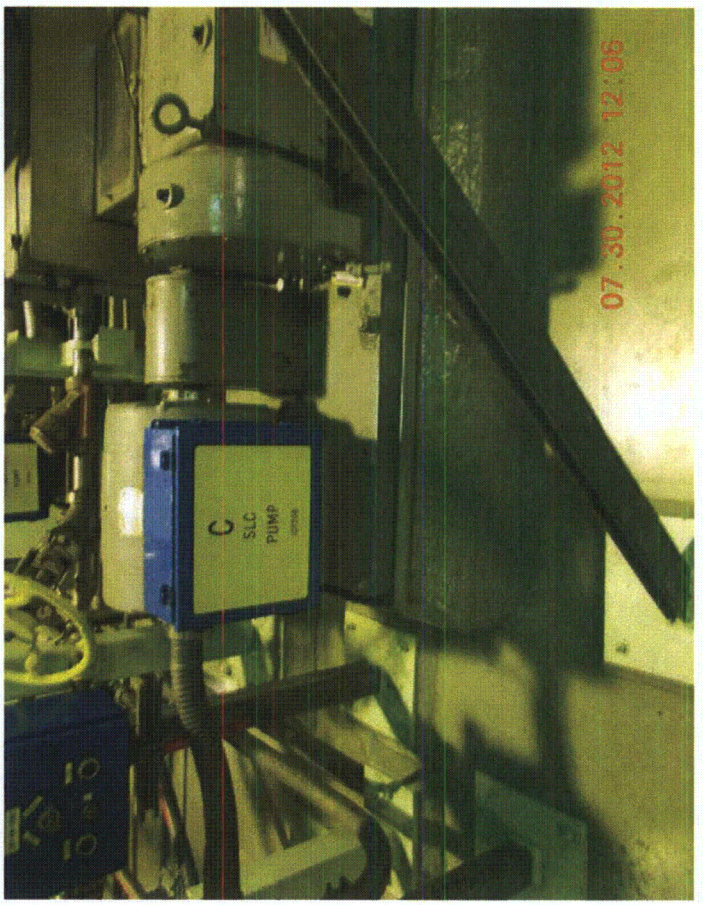

07 30 2012 12 01


07 30 2012 12 04
DANGER
PANEL
ENERGIZED

Equipment ID: 10B204







Seismic Walkdown Checklist (SWC)

Equipment ID No. 10B211 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114 Reactor Area Safeguard 480V MCC*

Location: Bldg. *Reactor Enclosure* Floor El. *217* Room, Area *Room 304W*

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☒ N☐

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
   - Matches Dwg. #s 8031-C-653, Rev. 10 and 8031-E-11-14-11, Rev. HBR

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10B211 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114 Reactor Area Safeguard 480V MCC*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☒ U☐ N/A☐ gm 8/3/2012
   - Flourescent tubes missing cages deemed credible but not significant
   - No soft targets
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☒ U☐ N/A☐ gm 8/3/2012
   - ~~Seismic~~
   - Block wall nearby reinforced per Dwg. #s BW-C-702, Rev. 0 and BW-C-756, Rev. 0
   - Overhead cable trays are adequately supported and properly loaded
9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☒ U☐ gm 8/3/2012

Other Adverse Conditions

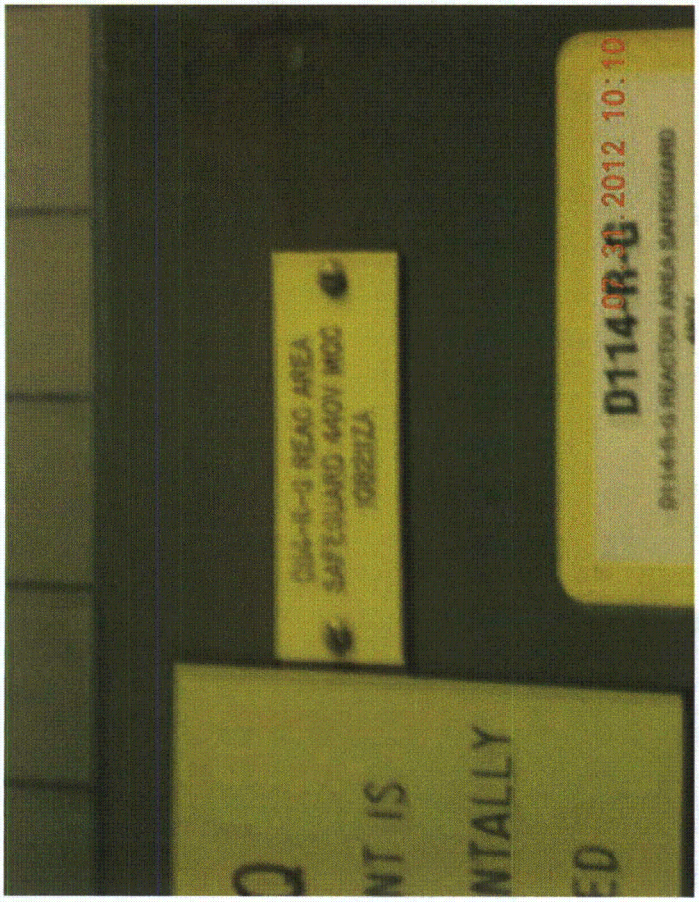
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

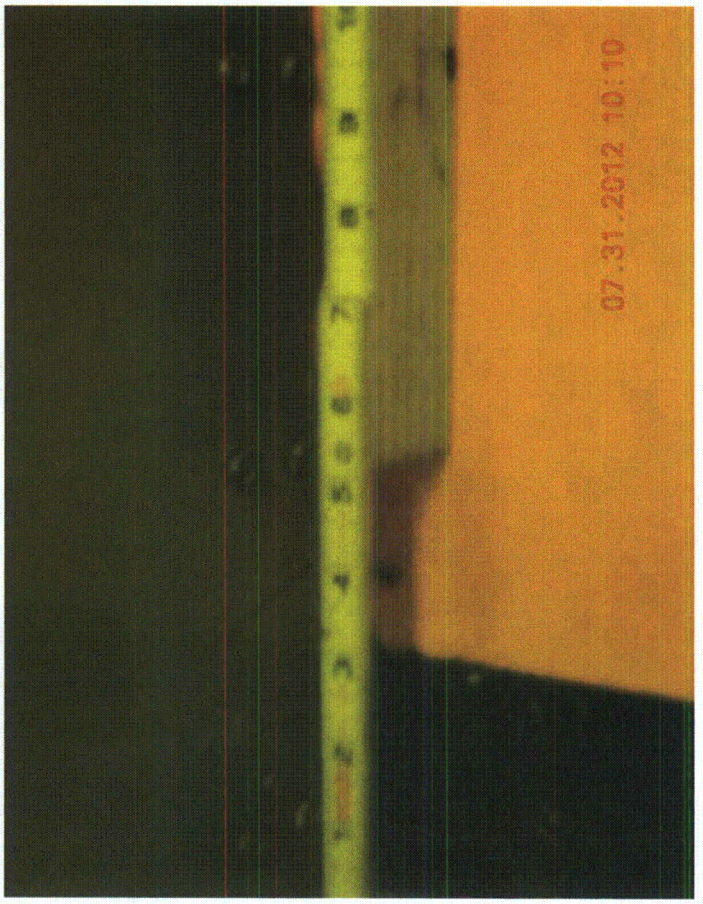
Comments (Additional pages may be added as necessary)

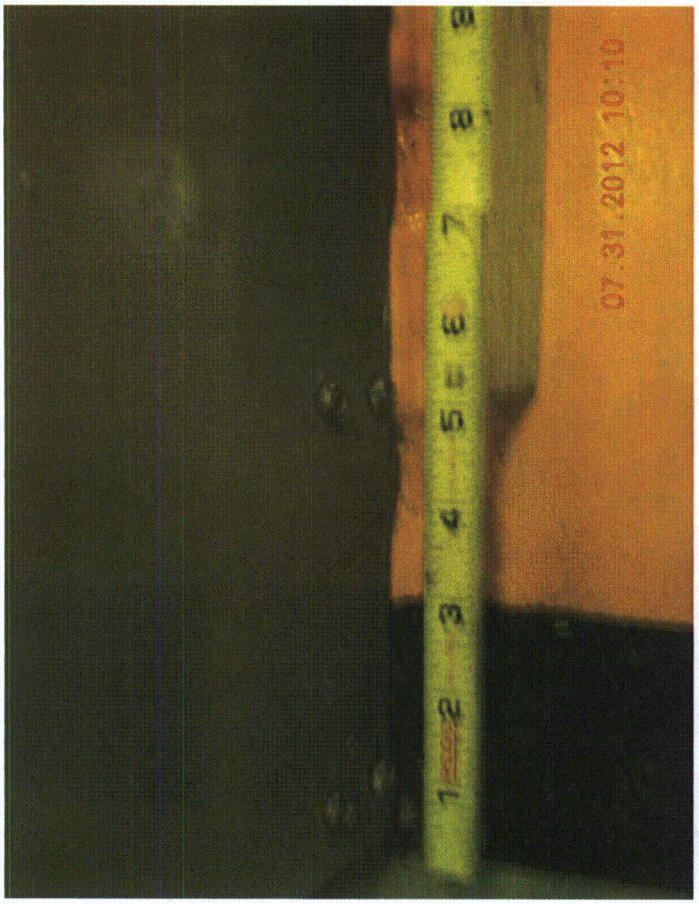
N/A

Evaluated by: Jenner Mcguin Date: 8/3/2012

8/3/2012

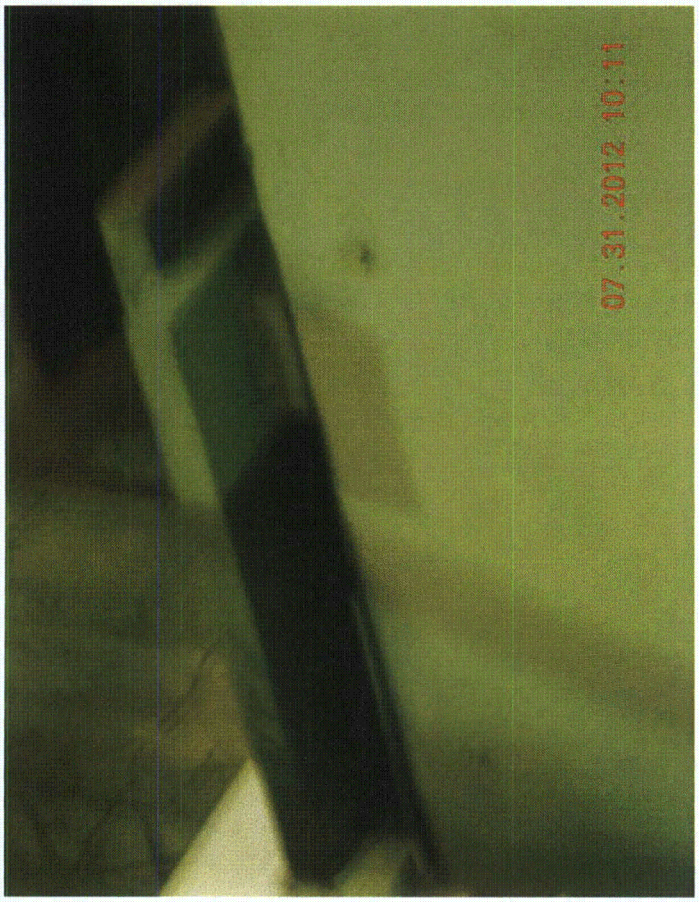

D1144R-0
07.31.2012 10:10


07.31.2012 10:10


07.31.2012 10:10


07.31.2012 10:11
UNITROL
DANGER

Equipment ID: 10B211



Seismic Walkdown Checklist (SWC)

Equipment ID No. 10B213 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114-R-C Reactor Area Safeguard 480V Motor Control Center*

Location: Bldg. *Reactor Enclosure* Floor El. *283* Room, Area *Room 506W*

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☒ N☐

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐
   - Visible square channel to prevent overturning rigidly mounted and securely anchored to floor

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
   - Matches Dwg. #s 8031-E-11-14-11, Rev. HBR and 8031-C-633, Rev. 10

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10B213 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D114-R-C Reactor Area Safeguard 480V Motor Control Center*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   - Frame mounted to reinforced masonry wall per Dwg. #s BW-C-703, Rev. 0 and BW-C-756, Rev. 0

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐
    - Crane in room sufficiently far away to preclude possible impact

Comments (Additional pages may be added as necessary)

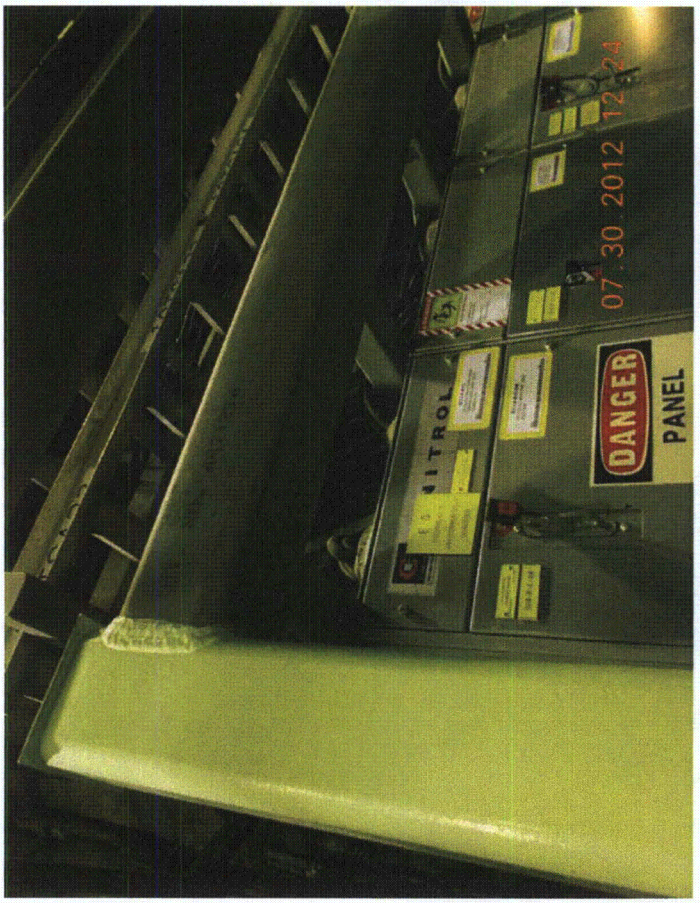
N/A

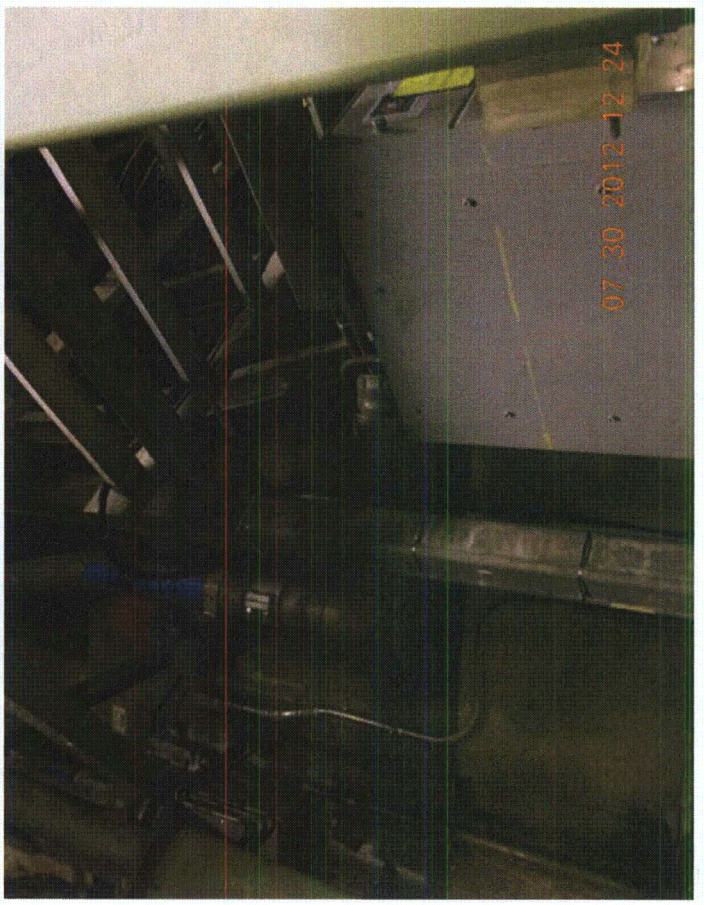
Evaluated by: James Wiggin Date: 8/3/2012

8/3/2012

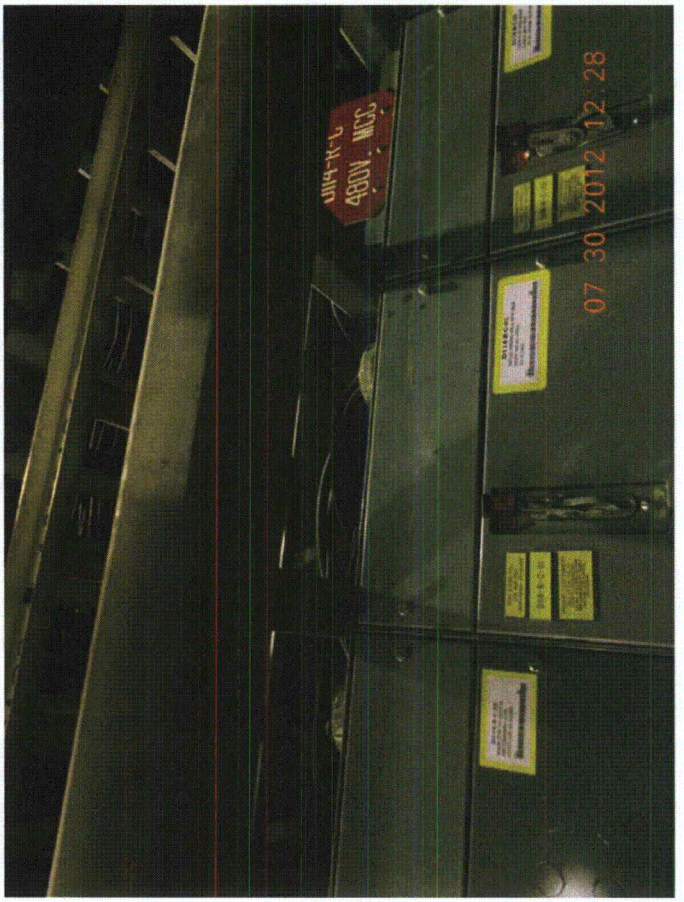

07 30 2012 12:23


DANGER
PANEL
ENERGIZED
07 30 2012 12 28


DANGER
PANEL
07 30 2012 12 24


07 30 2012 12 24


07 30 2012 12:24


07 30 2012 12:28


07 30 2012 12:27

Seismic Walkdown Checklist (SWC)

Equipment ID No. 10B214 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D124 Reactor Area Safeguard 480V MCC*

Location: Bldg. *Reactor Enclosure* Floor El. *283* Room, Area *Room 306*

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☒ N☐

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
   • Matches Dwg. #s 8031-C-633, Rev. 10 and 8031-E-11-14-11, Rev. HBR

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[12] Enter the equipment class name from **Appendix B:** Classes of Equipment.

Equipment ID No. 10B214 Equip. Class[12] (01) Motor Control Centers / Low & Medium Voltage Switchgears

Equipment Description *D124 Reactor Area Safeguard 480V MCC*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☒ U☐ N/A☐ gw 8/3/2012
   - Flourescent tubes missing cages deemed credible but not significant threat.
   - No soft targets
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☒ U☐ N/A☐ gw 8/3/2012
   → See #7
9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

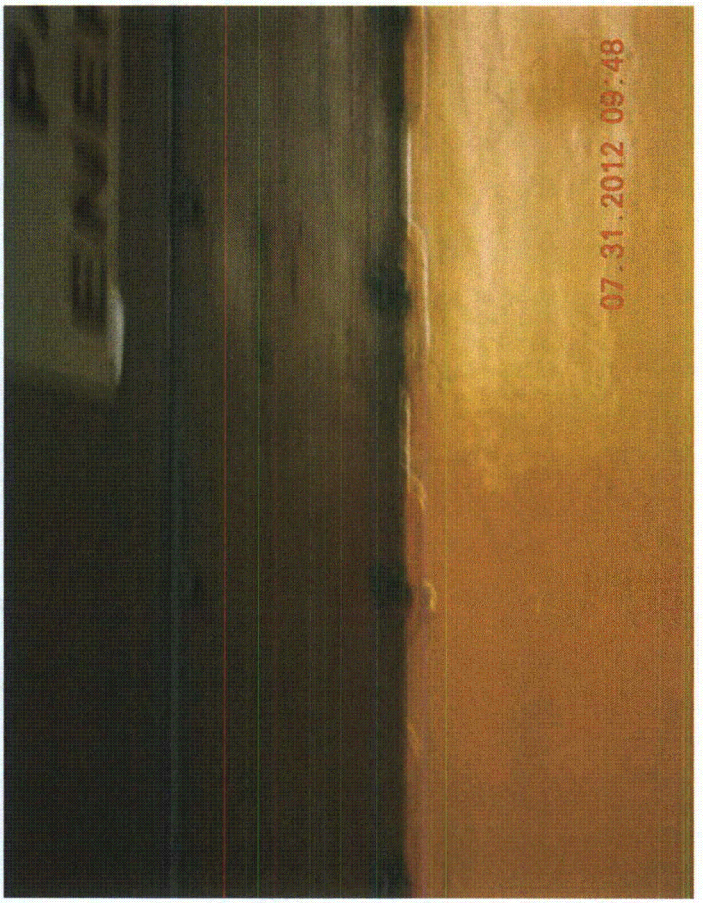
Comments (Additional pages may be added as necessary)

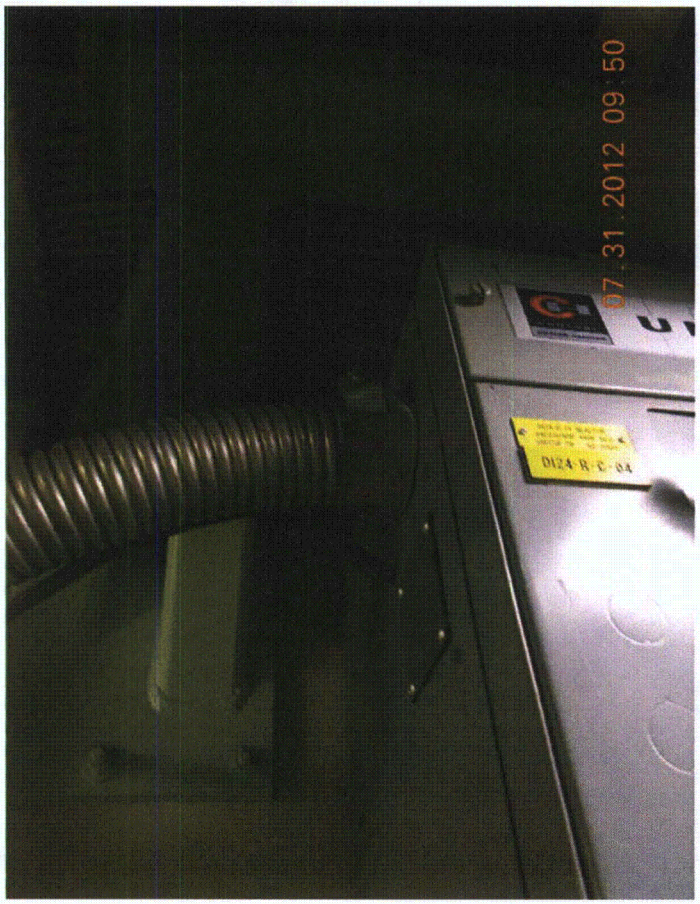
N/A

Evaluated by: James Wiggin Date: 8/3/2012

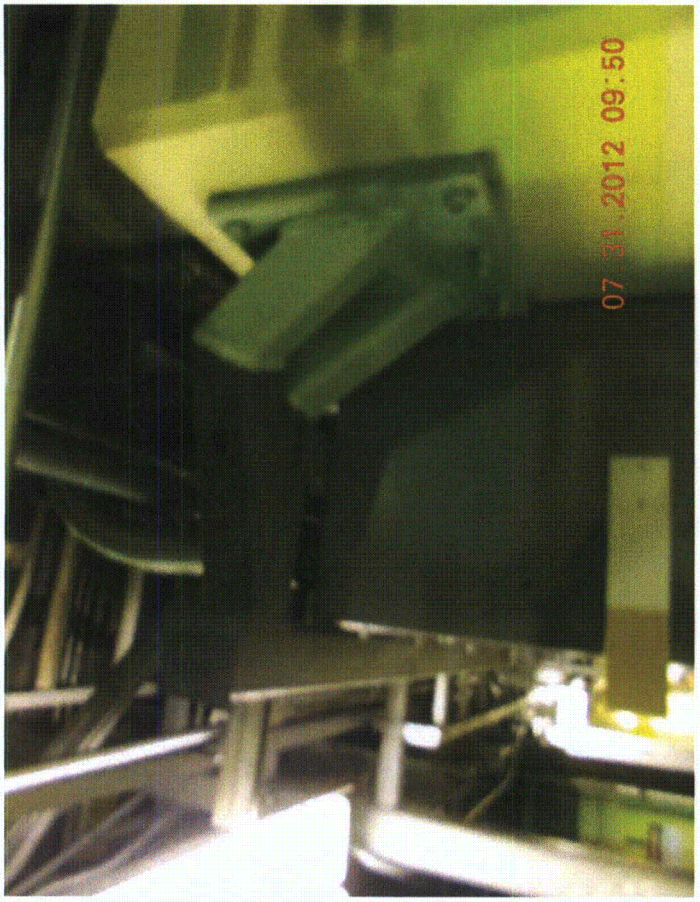
8/3/2012

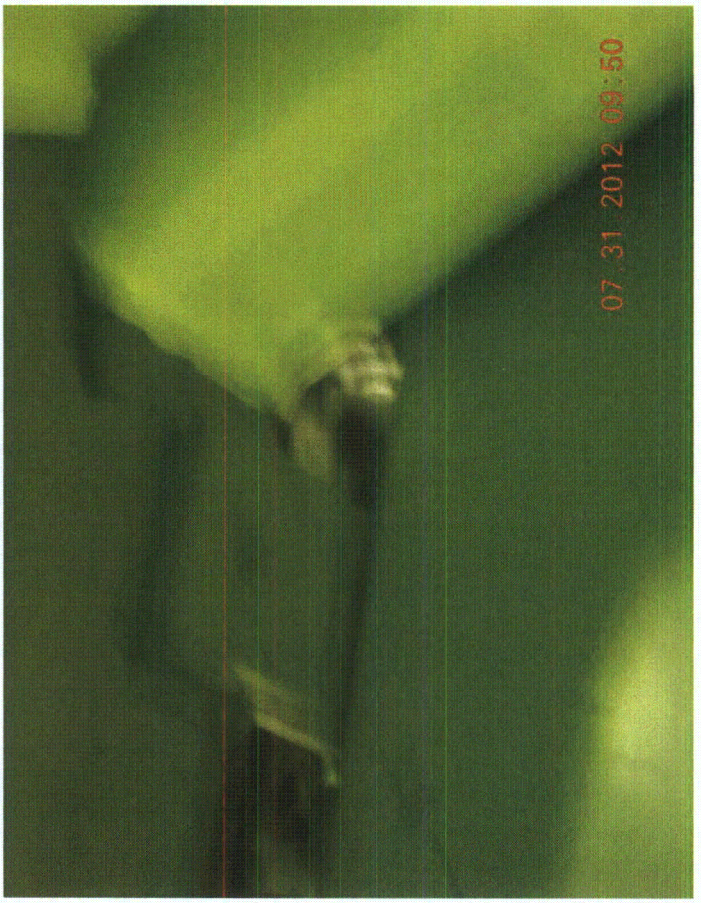

10B214
D124-R-C REACTOR
SAFEGUARD 440V MCC
10B2142B
07.31.2012 09:48

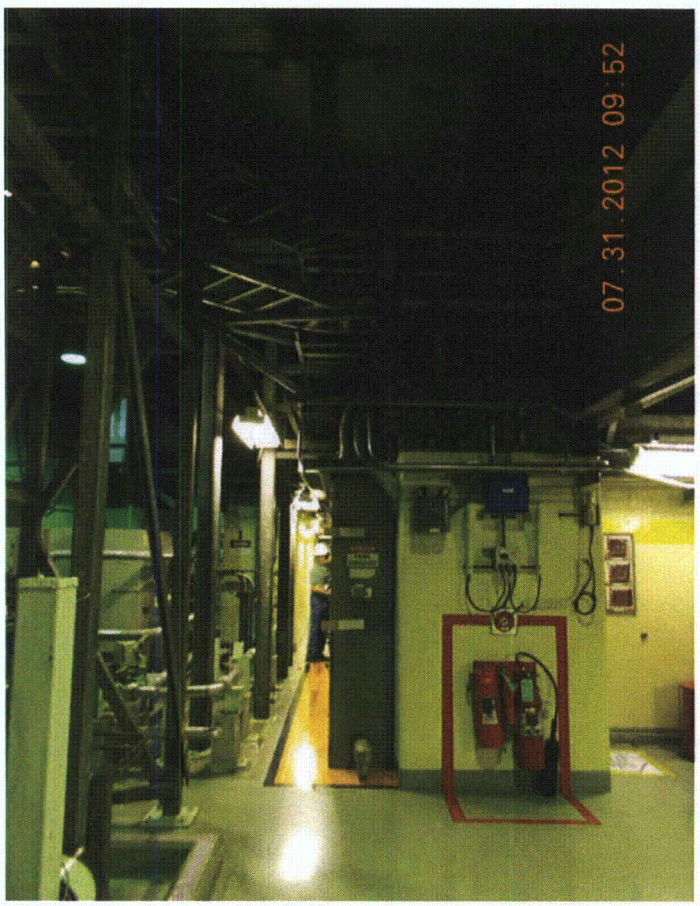

07.31.2012 09:48


07.31.2012 09:50
D124-R/C-04

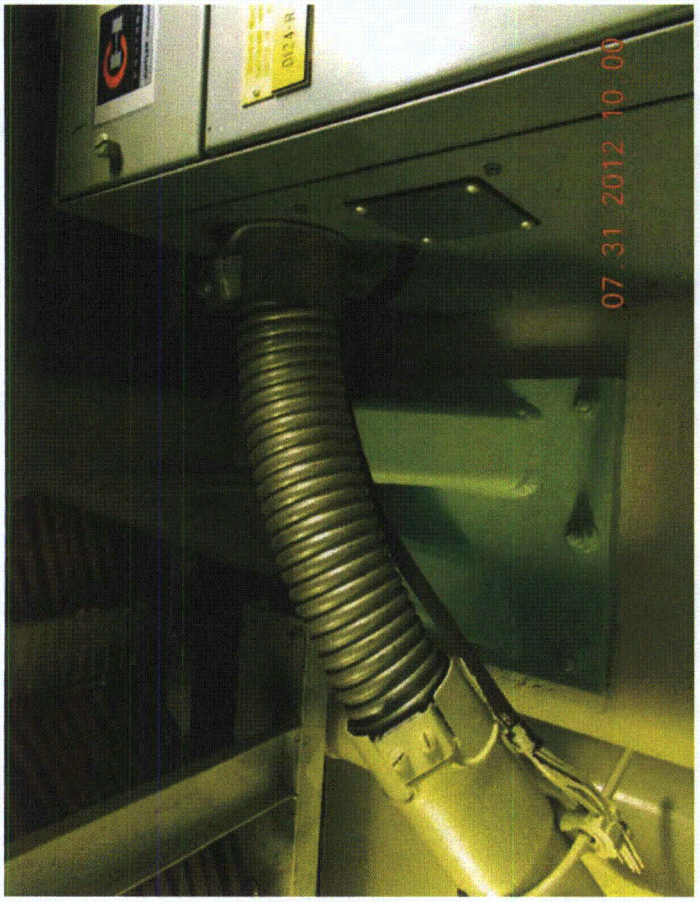

07.31.2012 09:50


07.31.2012 09:50


07.31.2012 09:50


07.31.2012 09.52


07.31.2012


07 31 2012 10 00


07 31 2012 09 52
CONTROL ZONE


07 31 2012 09 53