

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-24

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Overhead light fixtures judged to be acceptable.

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
All piping is welded and judged to be acceptable.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Ladder storage corrected during walk-by by Radiation Protection.
-

Status: Y N U



Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-24

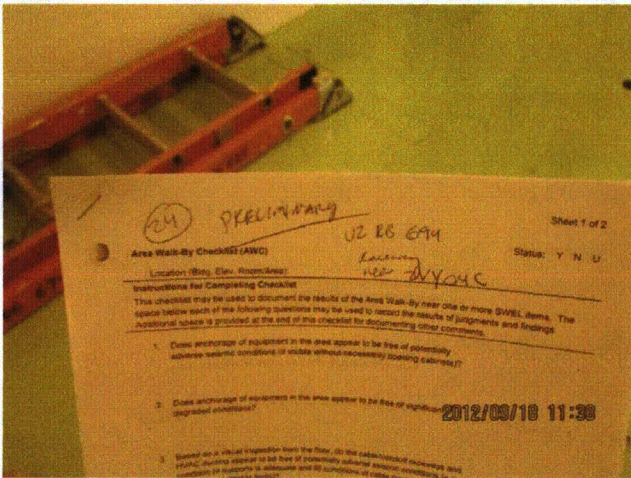
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/18/2012

Evaluated by:  Mark Etre Date: 10/25/2012
 Michael Wodarcyk 10/25/2012

Photos



20120918-Lasalle 130

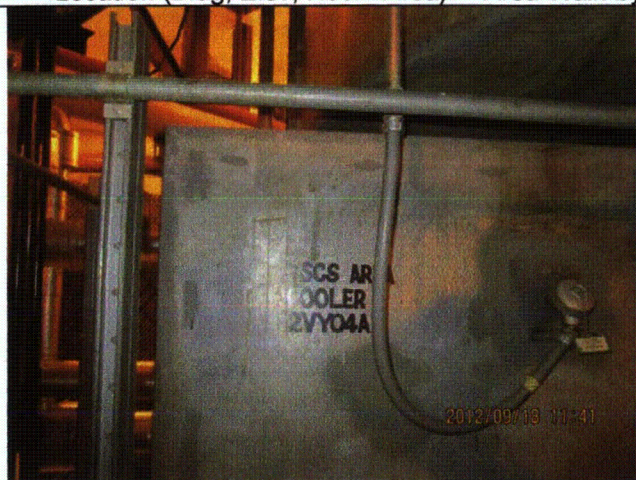


20120918-Lasalle 131

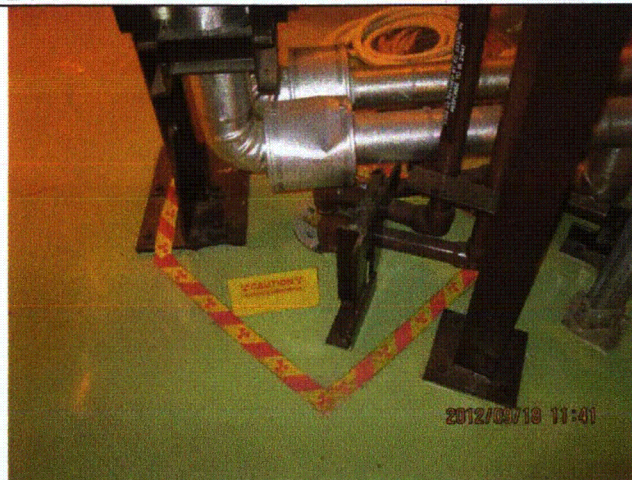
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Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-24



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20120918-Lasalle 135



20120918-Lasalle 136

Status: Y N U

Area Walk-By Checklist (AWC)

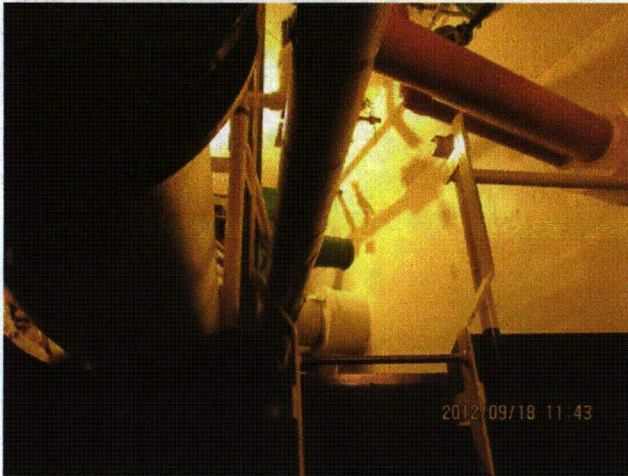
Location (Bldg, Elev, Room/Area): Area Walk-by 4-24



20120918-Lasalle 138



20120918-Lasalle 139



20120918-Lasalle 140

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-25

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Masonry walls near raceway door and outside walls adequately restrained.
Overhead light fixtures judged to be acceptable.
Rack 2H22-P029 has adequate clearance to wall.
 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Ladders adequately stored.
-

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-25

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Seismic Walkdown Team: M. Etre & M. Wodarczyk - 9/18/2012

Evaluated by:



Mark Etre

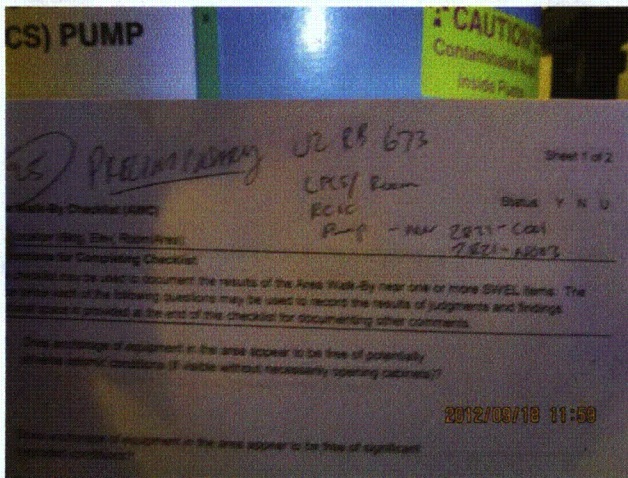
Date: 10/25/2012



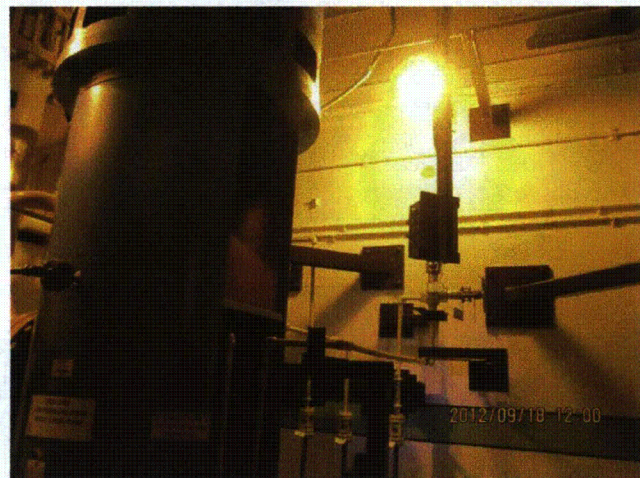
Michael Wodarczyk

10/25/2012

Photos



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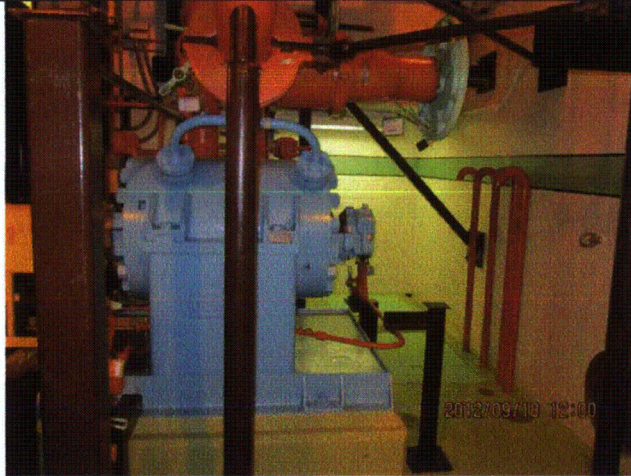


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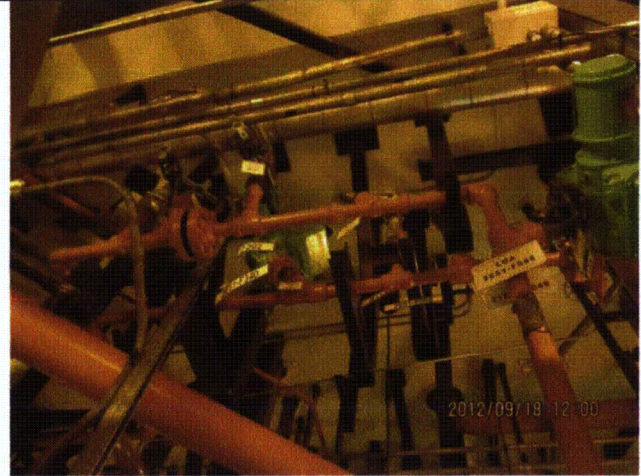
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Area Walk-By Checklist (AWC)

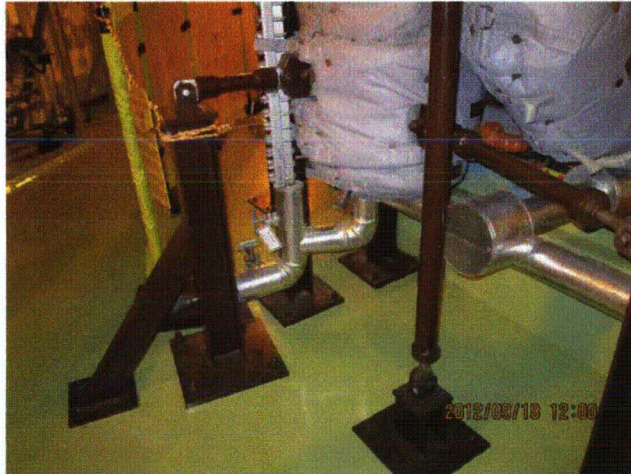
Location (Bldg, Elev, Room/Area): Area Walk-by 4-25



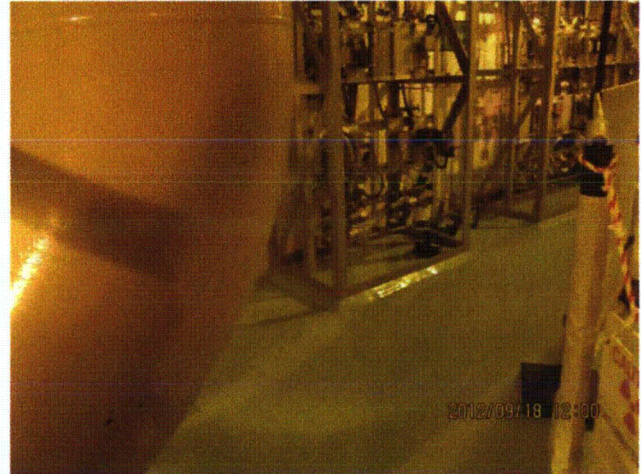
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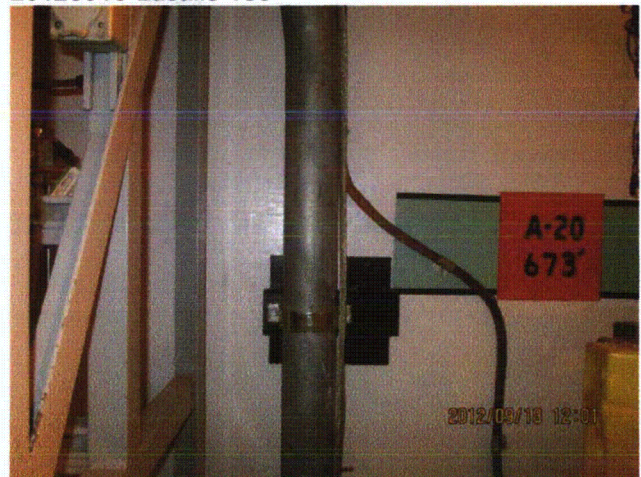
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20120918-Lasalle 164

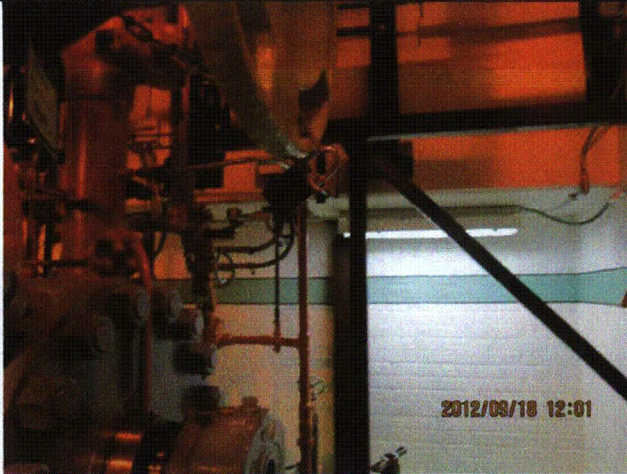


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Status: Y N U

Area Walk-By Checklist (AWC)

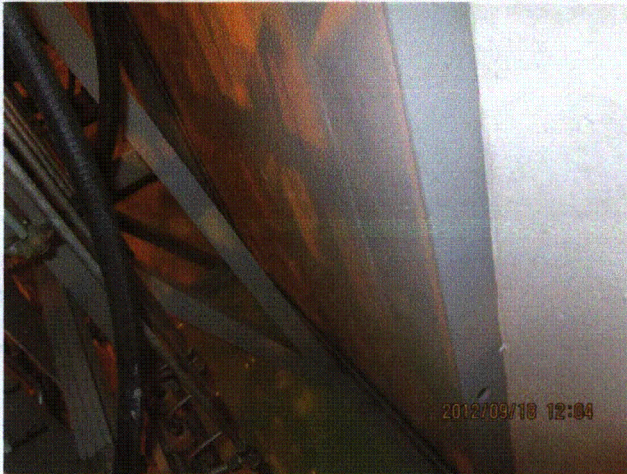
Location (Bldg, Elev, Room/Area): Area Walk-by 4-25



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20120918-Lasalle 167



20120918-Lasalle 168

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-26

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?
Flexible pipes in contact with scaffold judged to be acceptable. Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?
All piping is welded and judged to be acceptable. Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Scaffold wired to auxiliary steel in one location. Scaffold is framed against RHR HX outlet line such that movement is restrained. No soft targets are in vicinity. Judged to be acceptable.
-

Status: Y N U



Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-26

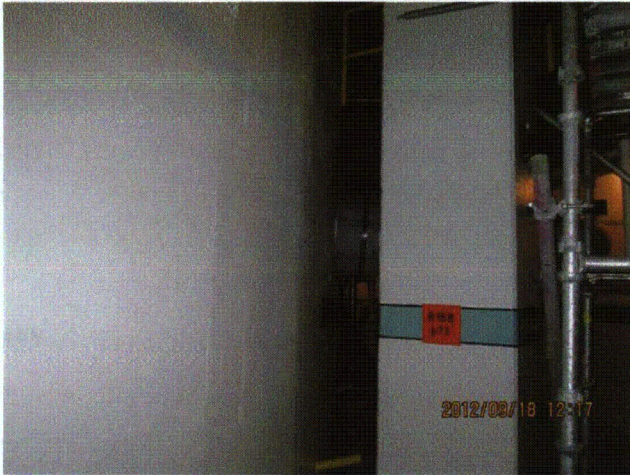
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

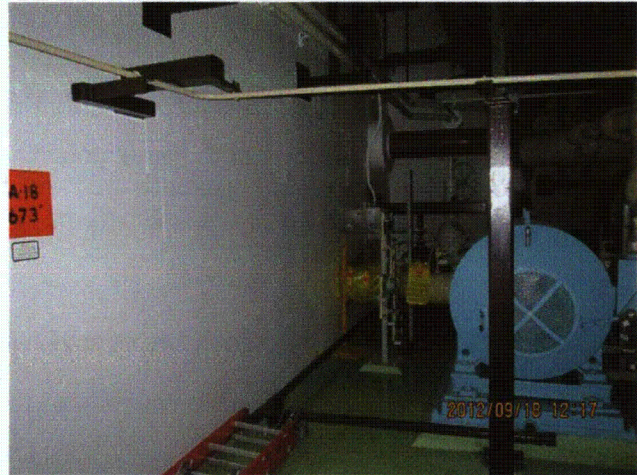
Seismic Walkdown Team: M. Etre & M. Wodarcyk - 9/18/2012

Evaluated by:  Mark Etre Date: 10/19/2012
 Michael Wodarcyk 10/19/2012

Photos



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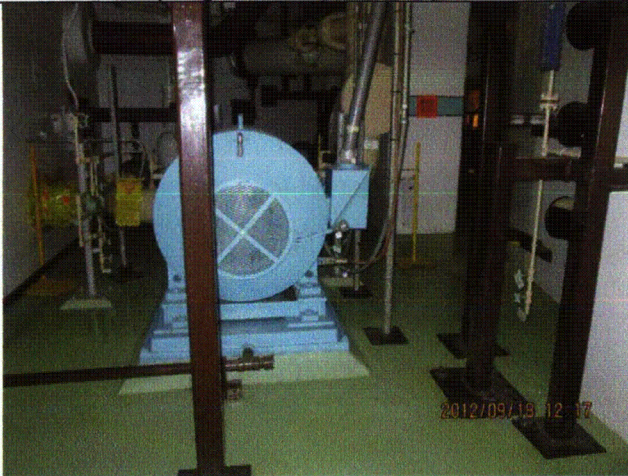


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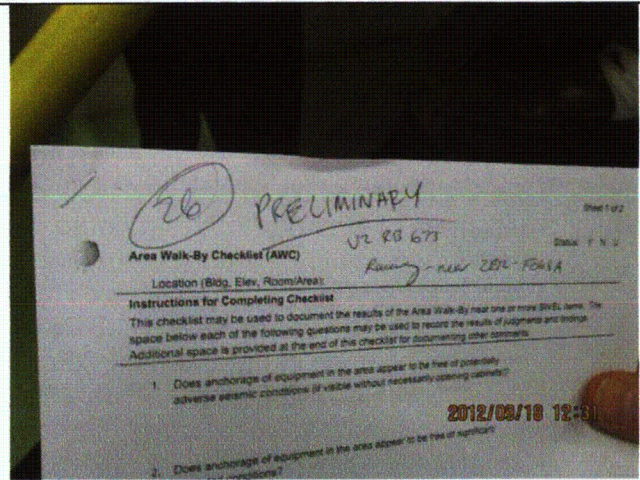
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 4-26



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20120918-Lasalle 181

E

Plan for Future Seismic Walkdown of Inaccessible Equipment

Seven (7) items could not be walked down during the 180-day period following the issuance of the 10CFR50.54(f) letter due to their being inaccessible. The items will be walked down during a unit outage or time when the equipment is accessible, as appropriate. Table E-1 summarizes the reasons each item is inaccessible during normal plant operation and notes the LaSalle Station Issue Report (IR) that has been written to track completion of the Seismic Walkdowns (and Area Walk-bys) for these items. It is noted that SSCs identified on Table E-1 require a complete inspection including, as applicable, internal inspections of electrical cabinets for other adverse seismic conditions, as required.

Certain cabinets require supplemental internal inspection for other adverse seismic conditions as summarized in Table E-2. Supplemental internal inspections of these cabinets are required due to clarifications provided by the NRC after the online seismic walkdowns were completed. These Supplemental inspections will be completed during a unit outage or another time when the equipment is accessible, as appropriate. It is noted, that SSCs identified on Table E-1 do not appear on Table E-2.

Table E-1. Inaccessible and Deferred Equipment

Component ID	Description	Reason for Inaccessibility	Action Request ID (IR)	Resolution / Status	Milestone Completion
2B21-A004C	ACCUMULATOR, MSRV	Located in Drywell	1428102, WO 1583945		L2R14 Refueling Outage
2B21-F013C	C MS LINE SAFETY/RELIEF VLV	Located in Drywell			L2R14 Refueling Outage
2B21-F013C-A	SRV C IMF-2 SOLENOID VALVE 'A'	Located in Drywell			L2R14 Refueling Outage
2B21-F022C	C MS INBD ISOL VLV	Located in Drywell			L2R14 Refueling Outage
2B21-F028C	C MS OTBD ISOL VLV	Located in MSIV Room			L2R14 Refueling Outage
2B21-F028C-P2	VALVE, SOLENOID, O/B MSIV	Located in MSIV Room			L2R14 Refueling Outage
2B21-F067C	C MS OTBD ISOL ABOVE SEAT DRN VLV	Located in MSIV Room			L2R14 Refueling Outage

Table E-2. Supplemental Cabinet Internal Inspection List

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR NUMBER)	STATUS / INSPECTION RESULTS
2AP71E	DIV I 480V MCC 235X-1	(01) Motor Control Centers	YES	N/A	L2R15 Refueling Outage	IR 01425162 W/O 414283	
2AP73E	DIV I 480V MCC 235X-3	(01) Motor Control Centers	YES	N/A	L2R15 Refueling Outage	IR 01425162 W/O 414283	
2AP78E	DIV II 480V MCC 236X-1	(01) Motor Control Centers	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2AP81E	DIV II 480V MCC 236X-3	(01) Motor Control Centers	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DC05E	250VDC MCC 221X	(01) Motor Control Centers	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2AP15E	480V SWGR 233	(02) Low Voltage Switchgear and Breaker Panels	YES	N/A	L2R15 Refueling Outage	IR 01425162 W/O 414283	
2AP19E	DIV I 480V SWGR 235X	(02) Low Voltage Switchgear and Breaker Panels	YES	N/A	L2R15 Refueling Outage	IR 01425162 W/O 414283	

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR NUMBER)	STATUS / INSPECTION RESULTS
2AP21E	DIV II 480V SWGR 236X	(02) Low Voltage Switchgear and Breaker Panels	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2AP06E	DIV II 4160V SWGR 242Y	(03) Medium Voltage Switchgear	YES	N/A	8/27/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS
2AP19E-103B	TRANSFORMER, 235X	(04) Transformers	YES	N/A	L2R15 Refueling Outage	IR 01425162 W/O 414283	
2AP21E-303B	TRANSFORMER, 236X	(04) Transformers	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DC02E	DIV I 250 VDC DISTRIBUTION BUS 2	(14) Distribution Panels and Automatic Transfer Switches	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DC13E	DIV II 125VDC DISTRIBUTION PANEL 212Y	(14) Distribution Panels and Automatic Transfer Switches	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR NUMBER)	STATUS / INSPECTION RESULTS
2DC15E	DIV II 125VDC DISTRIBUTION BUS 2B	(14) Distribution Panels and Automatic Transfer Switches	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DC03E	250VDC BATTERY CHARGER	(16) Battery Chargers & Inverters	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DC16E	DIV II 125VDC BATTERY CHARGER 2BB	(16) Battery Chargers & Inverters	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2DG02JA	2A DG A GENERATOR CONTROL PANEL	(20) Instrument and Control Panels	YES	N/A	8/27/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS
2DG03J	2A DG ENGINE CONTROL PANEL	(20) Instrument and Control Panels	YES	N/A	8/27/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS
2H13-P601	ASSY - PANEL, EMERG CORE COOL SYST	(20) Instrument and Control Panels	YES	N/A	9/14/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS
2H13-P602	ASSY - PANEL, RWCU/RX RECIRC CONTROL	(20) Instrument and Control Panels	YES	N/A	9/14/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR NUMBER)	STATUS / INSPECTION RESULTS
2PL33J	ASSY - PANEL, RHR B/C CUBE VENT	(20) Instrument and Control Panels	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2PL34J	ASSY - PANEL, RHR A CUBE VENT	(20) Instrument and Control Panels	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	
2PL35J	ASSY - PANEL, LPCS CUBE VENT	(20) Instrument and Control Panels	YES	N/A	L2R14 Refueling Outage	IR 01425157 W/O 414284	

F

Peer Review Report

This appendix includes the Peer Review Team's report, including the signed Peer Review Checklist for SWEL from Appendix F of the EPRI Seismic Walkdown Guidance (Reference 1).

Peer Review Report
for
Near Term Task Force (NTTF) Recommendation 2.3
Seismic Walkdown Inspection
of
LaSalle County Generating Station Unit 2

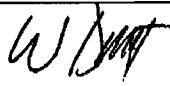
October 19, 2012

Prepared by Peer Reviewers

Walter Djordjevic (Team Leader)

Todd A. Bacon

Tribhawan K. Ram

Walter Djordjevic 	October 19, 2012
Peer Review Team Leader Certification Signature	Date

1 Introduction

1.1 OVERVIEW

This report documents the independent peer review for the Near Term Task Force (NTTF) Recommendation 2.3 Seismic Walkdowns performed by Stevenson & Associates (S&A) for Unit 2 of the LaSalle County Generating Station (LCGS). 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).
- Observation of the seismic walkdowns on August 29, 2012 and adherence to the Seismic Walkdown Guidance (SWG)¹ by Mr. Todd Bacon.
- Review of a sample of the checklists prepared for the Seismic Walkdowns & Area Walk-bys.
- Review of any licensing basis evaluations.
- Review of the decisions for entering the potentially adverse conditions into the plant's Corrective Action Plan (CAP).
- Review of the final submittal report.

The peer reviewers for LCGS Unit 2 are Messrs. Walter Djordjevic, Todd A. Bacon, and Tribhawan K. Ram, all of S&A. Mr. Djordjevic is designated the Peer Review Team Leader. None of the aforementioned engineers is involved in the seismic walkdown inspection process so that they can maintain their independence from the project. Mr. Djordjevic is an advanced degree structural engineer, has over thirty years of nuclear seismic experience and has been trained as a Seismic Capability Engineer (EPRI SQUG training), EPRI IPEEE Add-on, Seismic Fragility and Seismic Walkdown Engineer (SWE). Mr. Bacon is a civil-structural engineer with over thirty years of nuclear engineering experience and received the Seismic Walkdown Engineer (SWE) training. Mr. Ram is an advanced degree nuclear engineer with over twenty-eight years of

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

nuclear power plant experience. Mr. Djordjevic, as Peer Review Team Leader, has participated in all phases of the peer review process for LCGS Unit 2.

The SWEL development was performed by Mr. Tony Perez of S&A. Revision 0 of the peer review checklist determined that a SWEL 2 list should have been created to include Seismic Category I isolation valves. Accordingly, such a list was generated. There were no additional findings for the Revision Peer Review checklist. The completed Revision 1 SWEL Peer Review checklist is attached to this document. The discussion for the SWEL development peer review is found in Section 2.

The peer review of the seismic walkdown inspection started on August 29, 2012 with a peer check of the actual walkdowns for Unit 2. Mr. Bacon joined the walkdown team for a portion of the day's planned walkdowns to observe the conduct of walkdowns and adherence to the SWG. Interviews were conducted by Messrs. Bacon and Djordjevic with the SWE inspection team after review of a sample of the Unit 2 Seismic Walkdown Checklists (SWCs) and the Area Walk-by Checklists (AWCs) to ascertain procedural compliance with the SWG. The interviews were conducted with Mr. Dave Carter of the SWE inspection team on October 8, 2012, and Messrs. Jim Griffith, Mark Etre and Mike Wodarczyk on October 9, 2012. The discussion of the sample SWCs and AWCs is provided in Section 3.

No issues were identified which challenged the current licensing basis.

2 Peer Review - Selection of SSCs

2.1 PURPOSE

The purpose of this section is to describe the process to perform the peer review of the selected structures, systems, and components, (SSCs) that were included in the Seismic Walkdown Equipment List (SWEL).

This section documents the Peer Review – Selection of SSCs performed for LaSalle County Generating Station – Unit 2.

2.2 PEER REVIEW ACTIVITY – SELECTION OF SSCs

The guidance in EPRI Technical Report 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic*, dated June 2012, Section 3: Selection of SSCs was used as the basis for this review.

This peer review was based on reviews of the following documents:

- Seismic Walkdown Interim Report, Revisions 0 and 1

This peer review was based on interviews with the following individual who was directly responsible for development of the SWEL:

- Mr. Tony Perez, Senior Mechanical Engineer

This peer review utilized the checklist shown in the SWG, Appendix F: Checklist for Peer Review of SSC Selection.

For SWEL 1 development, the following actions were completed in the peer review process:

- Verification that the SSCs selected represented a diverse sample of the equipment required to perform the following five safety functions:
 - Reactor Reactivity Control (RRC)
 - Reactor Coolant Pressure Control (RCPC)
 - Reactor Coolant Inventory Control (RCIC)
 - Decay Heat Removal (DHR)
 - Containment Function (CF)

This peer review determined that the SSCs selected for the seismic walkdowns represent a diverse sample of equipment required to perform the five safety functions.

- Verification that the SSCs selected include an appropriate representation of items having the following sample selection attributes:
 - Various types of systems
 - Major new and replacement equipment
 - Various types of equipment
 - Various environments
 - Equipment enhanced based on the findings of the IPEEE

- Risk insight consideration

This peer review determined that the SSCs selected for the seismic walkdowns include a sample of items that represent each attribute/consideration identified above.

For SWEL 2 development, the following actions were completed in the peer review process:

- Verification that spent fuel pool related items were considered and appropriately added to SWEL 2.

This peer review determined that spent fuel pool related items were given appropriate consideration. Portions of the spent fuel pool cooling system are classified as Seismic Category I (Class I) and SWEL 2 was sufficiently populated as appropriate.

- Verification that appropriate justification was documented for spent fuel pool related items that were not added to the SWEL 2.

This peer review determined that an appropriate level of justification was documented for those items related to the spent fuel pool that were not added to SWEL 2.

2.3 PEER REVIEW FINDINGS – SELECTION OF SSCs

This peer review found that the process for selecting SSCs that were added to the SWEL was consistent with the process outlined in the SWG Section 3: Selection of SSCs.

Revision 1 of the peer review checklist is attached to this document. Revision 0 of the peer review checklist determined that a SWEL 2 list should have been created to include Seismic Category I isolation valves. Accordingly, such a list was generated. There were no additional findings for the Revision 1 Peer Review checklist.

2.4 RESOLUTION OF PEER REVIEW COMMENTS – SELECTION OF SSCs

All comments requiring resolution were incorporated prior to completion of this peer review.

2.5 CONCLUSION OF PEER REVIEW – SELECTION OF SSCs

This peer review concludes that the process for selecting SSCs to be included on the seismic walkdown equipment list appropriately followed the process outlined in the SWG, Section 3: Selection of SSCs. It is further concluded that the SWEL sufficiently represents a broad population of plant Seismic Category I (Class I) equipment and systems to meet the objectives of the NRC 50.54(f) letter.

3 Review of Sample Seismic Walkdown & Area Walk-Bys Checklists

3.1 OVERVIEW

A peer review of the SWCs and AWCs was performed after which an interview was conducted by Messrs. Djordjevic and Bacon with the SWE inspection team in accordance with the SWG requirements on October 8 and 9, 2012. The SWE trained walkdown engineers were Messrs. Dave Carter, Jim Griffith, Mark Etre and Mike Wodarcyk.

3.2 SAMPLE CHECKLISTS

Table 3-1 lists the SWC and AWC samples which represent approximately 22% of the SWCs and 22% of the AWCs. The sample includes the equipment inspected during the peer review and other equipment items from other classes to introduce diversity to the sampling procedure.

Table 3-1: Table of SWC and AWC Samples from Seismic Walkdown Inspection for Unit 2

Equipment Identification	Equipment Class	Walkdown Item	Observations
2AP06E	3 - Medium Voltage Switchgear	DIV II 4160V SWGR 242Y	No concern
2AP19E-103B	4 - Transformers	TRANSFORMER, 235X	No concern
2AP71E	1 - Motor Control Centers	DIV I 480V MCC 235X-1	No concern
2C11-D001002	0 - Other	CONTROL UNIT CRD HYDRAULIC 22-59	Open S-hooks – IR 1406922 written
2C11-D2259-125	21 - Tanks and Heat Exchangers	CRD HCU SCRAM WATER ACCUMULATOR	Open S-hooks – IR 1406922 written
2C11-D3459-125	21 - Tanks and Heat Exchangers	CRD HCU SCRAM WATER ACCUMULATOR	One light fixture missing one chain support at north end. Flexible conduit feed supports the fixture. Open S-hooks - IR 1406922 written.
2C41-C001A	5 - Horizontal Pumps	SBLC PUMP A	No concern

Equipment Identification	Equipment Class	Walkdown Item	Observations
2DC05E	1 - Motor Control Centers	250VDC MCC 221X	No concern
2DC16E	16 - Battery Chargers and Inverters	DIV II 125VDC BATTERY CHARGER 2BB	No concern
2DG01F	0 - Other	2A DG COOLING WATER STRAINER	No concern
2DG01S	12 - Air Compressors	2A DG STARTING AIR COMPRESSOR PACKAGE	No concern
2DO05T	21 - Tanks and Heat Exchangers	DG 2A DAY TK	No concern
2E12-D300B	0 - Other	B RHR SERVICE WATER STRAINER	Untightened nuts corrected per IR 1406061 - judged acceptable by station engineering.
2E12-F051B	7 - Fluid-Operated Valves	B RHR HX STM INLT PRESS CONT VLV	No concern
2E12-N005B	19 - Temperature Sensors	RHR HE 2B SERV WTR DISCH TEMP	No concern
2E12-N015B	18 - Instruments on Racks	RHR FLOW 2B	No concern
2E21-N003	18 - Instruments on Racks	LPCS PP DISCH FLOW TRANSMITTER	No concern
2E22-F004	8 - Motor-Operated and Solenoid-Operated Valves	HPCS INJECTION ISOL VALVE	No concern
2E51-C001	5 - Horizontal Pumps	RX CORE ISOL COOLING PUMP	No concern
2E51-F045	8 - Motor-Operated and Solenoid-Operated Valves	RCIC TURB STM SPLY STOP	No concern
2FC140	0 - Other	FUEL POOL SYS TO RHR SUCT STOP	No concern
2HG005A	8 - Motor-Operated and Solenoid-Operated Valves	H2 RECOMB 2HG01A U-2 SUP POOL DIS VLV-OVHD AT 210'	No concern

Equipment Identification	Equipment Class	Walkdown Item	Observations
2HG01A	9 - Fans	ASSY - BLOWER, H2 RECOMBINER	No concern
2VQ029	7 - Fluid-Operated Valves	DW VENT/PURGE FROM RX BLDG UPSTRM ISOL	No concern
2VX04C	9 - Fans	FAN, ESS SWGR DIV-2 VENT SUPPLY	No concern
Area Walkdown Description			
Area Walkdown Description		Observations	
Area Walk-by 1-01; DG El. 736' near 2VY06C		One unrestrained light fixture at door to room with open S-hooks. Broken plastic covers on two fixtures. Dispositioned to IRs 1405563 and 1406922.	
Area Walk-by 1-07; DG El. 710' 2A DG room		No concern	
Area Walk-by 1-10; 2A DG Fuel Oil Tank room		No concern	
Area Walk-by 1-15; RB El. 710' near 2HG005A		No concern	
Area Walk-by 1-22; RB El. 694' near 2E12-F036B		No concern	
Area Walk-by 2-07; RB El. 673' near 2E22-N004, -N005, -C001		No concern	
Area Walk-by 3-04; RB El. 761'		Open S-hooks – IR 1406922 written	
Area Walk-by 3-12; RB El. 673' near 2E51-F031		No concern	
Area Walk-by 4-11; RB El. 710' near 2VQ040		No concern	
Area Walk-by 4-13; RB El. 740' near 2WR029		No concern	

3.3 EVALUATION OF FINDINGS

There were no findings that challenged the licensing basis. A review of Table 3-1 of the previous section shows no concerns or findings in the sampling of the SWCs and AWCs. Tables 5-2 and 5-3 of the Seismic Walkdown Report (final submittal report) provide the lists of the issues encountered for the equipment seismic walkdowns and area walk-bys.

The scaffolding and seismic housekeeping procedures were reviewed by the SWEs in order to gain a full understanding of the plant practices in regard to those procedures. There were no seismic concerns noted in Unit 2 with regard to scaffold erection. The scaffolds were properly tied off and braced, and properly tagged with respect to the procedure.

A few lighting fixtures with open S-hooks were found in the plant; however, none of them resulted in any seismic issues as evidenced by reviewing the IRs written (see Tables 5-2 and 5-3) during these walkdowns.

Loose fasteners were observed in a few instances but in all cases were determined not to be seismic concerns.

Concerning seismic housekeeping there were only a few minor items found throughout the plant. It can be concluded that LCGS Unit 2 implements their seismic housekeeping program consistently and to a very high standard.

The peer reviewers consider the judgments made by the SWEs to be appropriate and in concurrence with the SWG.

4 Review of Licensing Basis Assessments

Tables 5-2 and 5-3 of the Seismic Walkdown Report provide a list of the issues encountered during the Unit 2 seismic walkdown inspections for the SWEL components and how they were addressed. If a LCGS IR request was generated it is shown in the Tables. Interviews were conducted by Messrs. Djordjevic and Bacon with the SWE inspection team on October 8 and 9, 2012 to discuss the issues identified. No potentially adverse seismic conditions were identified that resulted in a seismic licensing basis evaluation. The peer reviewers concur with this outcome.

5 Review Final Submittal Report & Sign-off

The entire final submittal report has been reviewed by Messrs. W. Djordjevic, T. K. Ram and T. A. Bacon and found to meet the requirements of the EPRI 1025286 – Seismic Walkdown Guidance. The Peer Review determined that the objectives and requirements of the 50.54(f) letter² are met. Further, the efforts completed and documented within the final submittal report are in accordance with the EPRI guidance document.

² NRC Letter to All Power Reactor Licensees et al., “Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendation 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident,” Enclosure 3, “Recommendation 2.3: Seismic,” dated March 12, 2012

Peer Review Checklist for SWEL**Instructions for Completing Checklist**

This peer review checklist may be used to document the review of the Seismic Walkdown Equipment List (SWEL) in accordance with Section 6. The space below each question in this checklist should be used to describe any findings identified during the peer review process and how the SWEL may have changed to address those findings. Additional space is provided at the end of this checklist for documenting other comments.

-
1. Were the five safety functions adequately represented in the SWEL 1 selection? Y N
Appropriate equipment has been included to maintain the five safety functions: RRC, DHR, RCIC, RCPC, and CF
-
2. Does SWEL 1 include an appropriate representation of items having the following sample selection attributes:
- a. Various types of systems? Y N
Various system types (e.g., EDG, EDG Oil Transfer, RHR, RHR Service Water, CS, Batteries, Battery Chargers, Low and Med Vol Switchgear and MCCs) have been included.
- b. Major new and replacement equipment? Y N
None as explained in the interim report.
- c. Various types of equipment? Y N
The equipment represents all required 21 types except 11 and 13. The screenings #1, #2, and #3 resulted in no equipment in the latter two categories.
- d. Various environments? Y N
Appropriate environments (e. g., Reactor, DW, DG, and Auxiliary buildings) have been included.
- e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Y N
None as explained in the interim report.

Peer Review Checklist for SWEL

f. Were risk insights considered in the development of SWEL 1?
Risk quantifications (F-V and RAW) provided in the "Comments" column Y N

3. For SWEL 2:

a. Were spent fuel pool related items considered, and if applicable included in SWEL 2?
Yes. There are no items associated with SFP rapid draindown. Y N

b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2?
Provided in the submittal report Y N

4. Provide any other comments related to the peer review of the SWELs.

The previous peer review checklist had indicated a need for creating SWEL 2 to incorporate Seismic Category I valves used to isolate RHR system from SFP system. Based on that review, a SWEL 2 list was created.

5. Have all peer review comments been adequately addressed in the final SWEL? Y N

Peer Reviewer #1: TK Ram (Lasalle Unit 2)  Date: 9/27/2012

Peer Reviewer #2: Walter Djordjevic  Date: 10/8/2012