D

Area Walk-By Checklists (AWCs)

Table D-1 provides the building, elevation, and location of each area as well as a list of SWEL items associated with each area, and page numbers of each Area Walk-By Checklist.

Table D-1. Summary of Area Walk-By Checklists

AREA WALK-BY	DESCRIPTION	ID	COMMENTS	PAGE
1	IA-T-0019 Room	IA-T-0019		D- 5
2	RR-B-4 Room	RR-V-0003A		D- 7
3	IB 295, Door I 108	RR-V-0005		D- 9
		RR-V-0006		
		NS-V-0052B		
		NS-V-0053B		
4	IB 295 Hallway	CO-LT-1063		D- 11
		CO-LT-1062		
		EF-V-0004		
		CO-LT-1061		
5	EF-P-1 Room	EF-P-0001		D- 13
		MS-V-0002B		
		MS-V-0004B		
		EF-V-0001B		
6	EF-P-2B Room	EF-P-0002B		D- 15
		EF-V-0030B		
		EF-FT-0782		
7	AH-E-24B Room	AH-E-0024B		D- 17
8	DH-T-0001	DH-T-0001		D- 19
		CO-V-0010B		
		CO-T-0001B		
9	1B-480-ESF Area	1B-480V-ESF		D- 22
10	1B-480-ESV Room	1B-480V-ESV		D- 24
11	NS-P-0001B Cubicle	NS-P-0001B		D- 26
12	AH-C-0015B Corridor	AH-E-0015B		D- 28
13	Intermediate Closed Pump Area	BS-PS-0933		D- 30
		MU-FT-1128		
14	MU-P-0001B Room	MU-P-0001B		D- 32
15	Shielded Area	MU-V-0003		D- 34
		MU-FT-1127		
		DH-V-0005B		
16	North Heat Exchanger Vault Area	NS-C-0001B		D- 37
		NR-V-0004B		
17	Control Tower Chiller Room	AH-C-0004B		D- 39
18	1S 480V Switchgear Room	AH-E-95B		D- 41
		1S-480V-ES-SWGR		
		1S-480V-ES-XFMR		
		1B-480V-ES		
		SF-P-1B-BK	SWEL 2	
19	Control Room	CC		D- 43
20	ESAS Room	1B		D- 45
		3B		
		4B		
		5B		
21	1E 4kV Switchgear	1E-4160V-ES		D- 48

AREA WALK-BY	DESCRIPTION	ID	COMMENTS	PAGE
22	B Battery Room	EED-B-1B		D- 50
23	Relay Room	XCLA		D- 53
24	1B Inverter Room	EED-BC-1D		D- 55
		EED-BC-1F		
		EED-BC-1B		
		EE-INV-1B		
		EED-PNL-1B		
		EE-PNL-VBB		
		VBD		
		TRB		
		EE-INV-1F		
		1F-DC		
25	B Control Tower Ventilation Room	AH-E-18B		D- 57
26	Control Tower North Ventilation Room	AH-E-19B		D- 59
27	Control Tower Patio, 3rd Floor	HSPS-CH-2		D- 61
		CRD-CB-1D		
28	North River Water Pump Bay	DR-S-1B		D- 63
		DR-P-1B		
		NR-V-0001B		
		NR-P-0001B		
29	South River Water Pump Bay	RR-S-1B		D- 65
		RR-S-0001B		
		RR-P-0001B		
		1T-480V-SHES-XFMR		
		1B-480V-SHES		
		1T-480V-SHES-SWGR		
30	Seal Injection Cooler Elv. 281	SF-V-37	SWEL 2	D- 68
		SF2-DPT	SWEL 2	
31	Seal Injection Filter Area	MU-FT-1129		D- 70
32	Spent Fuel Pool Floor	SF-V-38	SWEL 2	D- 72
		SF-V-48	SWEL 2	
33	Spent Fuel Pumps Room	NS-V-0054B		D- 74
		SF-C-1B	SWEL 2	
		SF-V-4	SWEL 2	
		SF-V-5	SWEL 2	
		SF-V-6	SWEL 2	
		SF-P-1B	SWEL 2	
		SF-V-14	SWEL 2	
		SF-V-15	SWEL 2	
		SF-V-16	SWEL 2	
		AH-E-0008A		
34	Neutralizing Tank Area	SF9-DPT-1	SWEL 2	D- 76
		SF9-DPT-2	SWEL 2	
35	A Radiator Air Cooler	EG-C-3B		D- 79
		EG-C-2D		
36	ED-G-1B Hallway	1Q-DC		D- 81
		1B DG CNPL		

AREA WALK-BY	DESCRIPTION	ID	COMMENTS	PAGE
37	Diesel Generator B Room	EG-P-0001B		D- 84
		EG-T-0001B-1		
		DF-FI-1151		
		EG-T-0001B-2		
		DF-T-0002B		
		DF-LI-J500B		
		EG-Y-0001B		
		IA-T-0007B		
38	Diesel Generator A Room	DF-P-0001B		D- 86
39	RB 308 West	MS-PT-1184		D- 88
40	RB 281	AH-E-1B		D- 90
41	Top of RC-V-2	RC-RV-0002		D- 93
		RC-V-0002		
42	Intermediate Building 355 Elev C-Bay	MS-V-0001C		D- 95

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 01: IB, 322

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 01: IB, 322

temporary installations (e.g., scaffolding, lead shielding)?

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

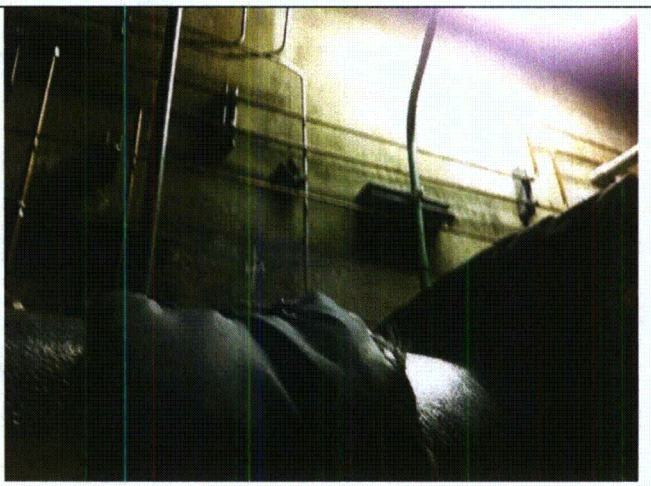
Comments

Instrument line FW-V-1073 second clamp not attached. Middle clamp misaligned. IR 1400290 - LOOSE/MISALIGNED MOUNTING CLAMP ON FW INSTRUMENT LINE addressed this. The Valve is a failed closed valve, therefore not a seismic concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

IMG_1143



IMG_1147

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 02: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 02: IB, 295

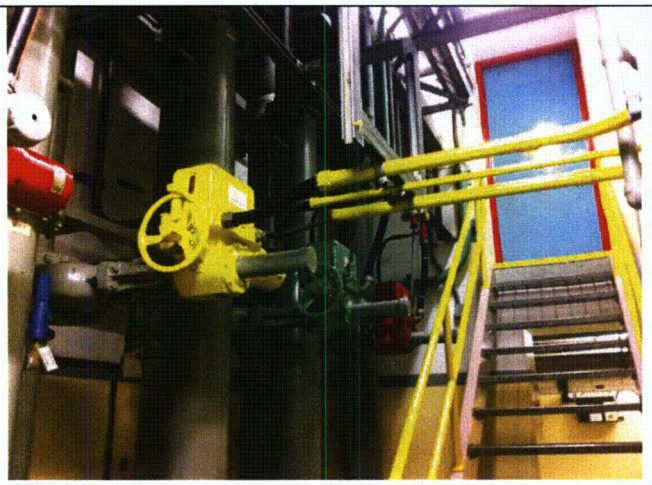
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



IMG_1090

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 03: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 03: IB, 295

temporary installations (e.g., scaffolding, lead shielding)?

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

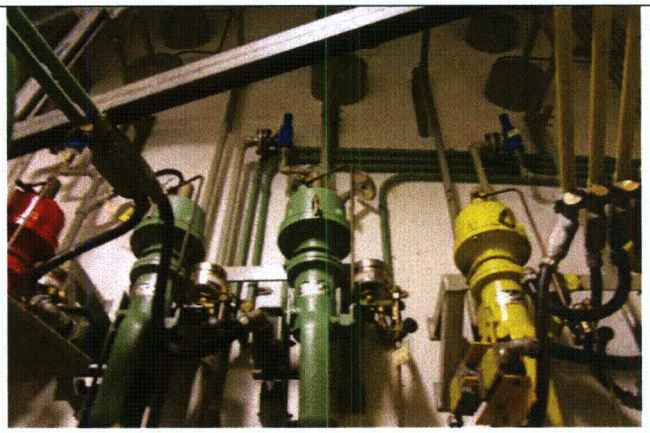
Comments

Linear indications (Cracking) at wall-floor joint, judged not to be a potential seismic concern

Linear indications (Cracking) between wall and grate on floor, judged not to be a potential seismic concern

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3314

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 04: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 04: IB, 295

	temporary installations (e.g., scaffolding, lead shielding)?	
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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3358

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 05: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 05: IB, 295

temporary installations (e.g., scaffolding, lead shielding)?

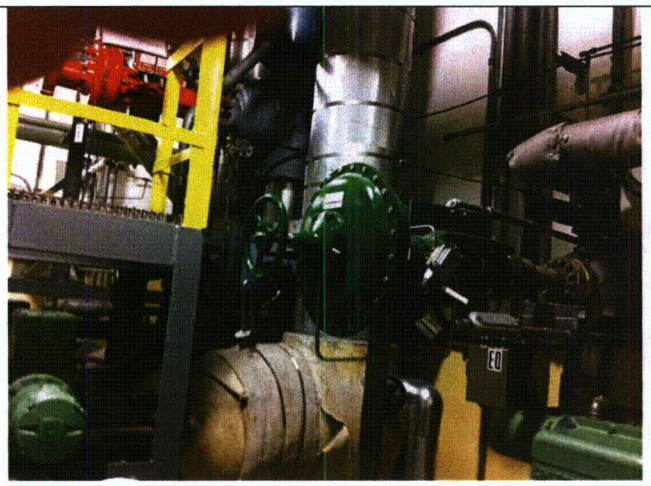
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

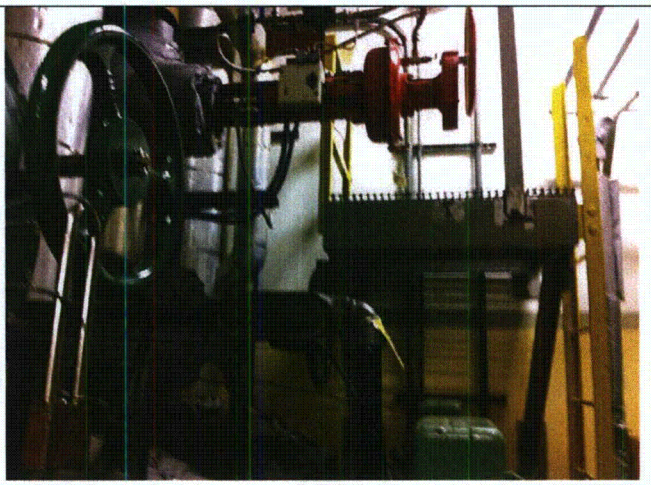
Vertical linear indications (Cracking) on wall, adjacent to 620 EQ, judged not to be a potential seismic concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



IMG_1076



IMG_1077

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 06: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 06: IB, 295

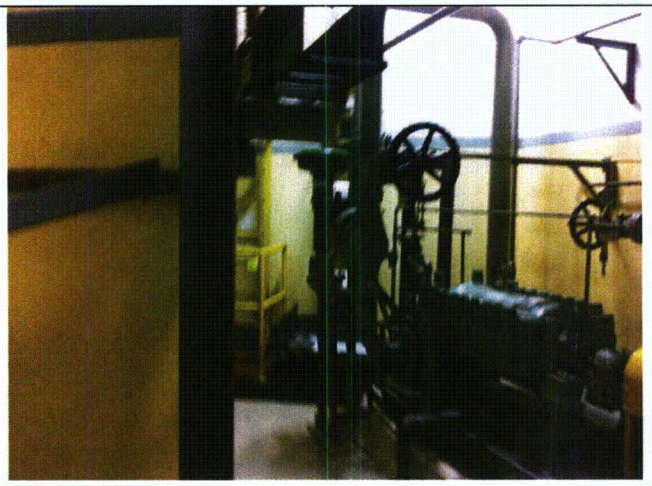
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



IMG_1118

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 07: IB, 295

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 07: IB, 295

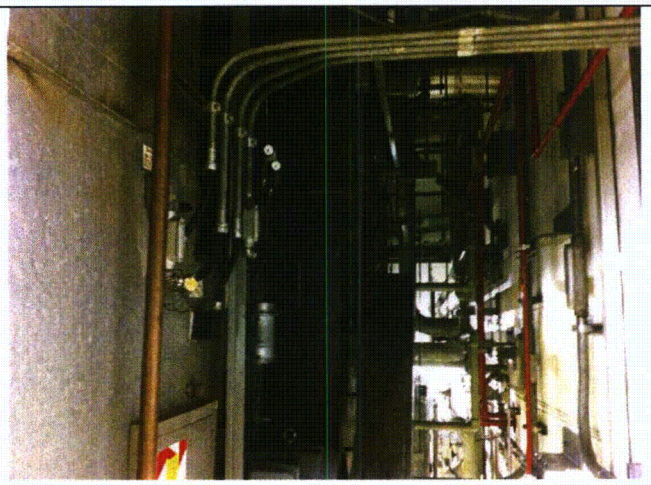
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



IMG_1131

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 08: YD, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 08: YD, 305

temporary installations (e.g., scaffolding, lead shielding)?

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

Cracking in grout at base of tank, judged to be not a potential seismic concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 08: YD, 305

IMG_1154

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 09: AB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

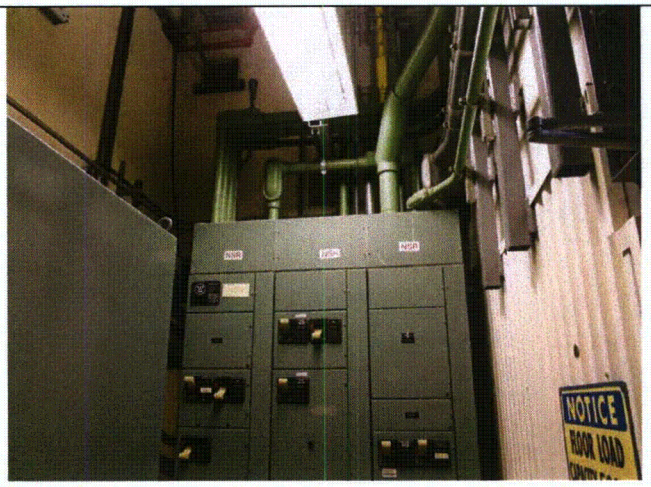
Location (Bldg, Elev, Room/Area): Area 09: AB, 305

	temporary installations (e.g., scaffolding, lead shielding)?	
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

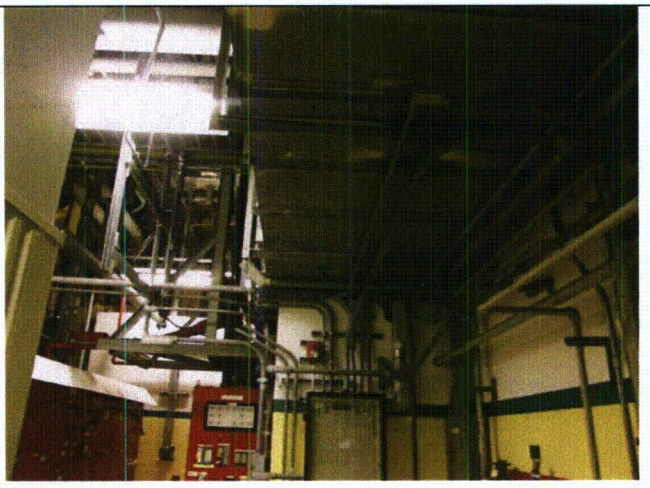
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3744



100_3746

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 10: AB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 10: AB, 305

temporary installations (e.g., scaffolding, lead shielding)?

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

Conduit elbow cover is purposely open and tagged. Not a seismic issue because no interactions exist above a non safety related panel IA Rad Waste Disposal. IR 1402066 is tracking this.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3765

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 11: AB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 11: AB, 305

	temporary installations (e.g., scaffolding, lead shielding)?	
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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3784

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 12: AB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 12: AB, 305

temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3795

100_3805

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 13: AB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 13: AB, 305

temporary installations (e.g., scaffolding, lead shielding)?

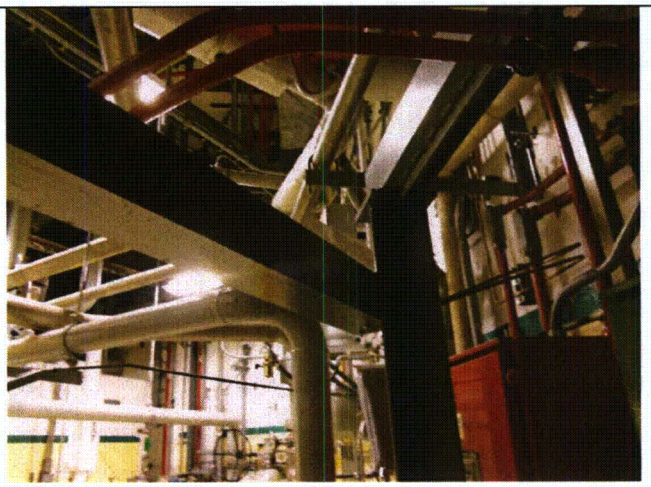
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Wall mounted Uni-strut support for instrument air IA-V-238 is skewed. Not Safety related. IR 1402062 – INSTRUMENT LINE SUPPORT CONFIGURATION is tracking this.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3821

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 14: AB, 281

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 14: AB, 281

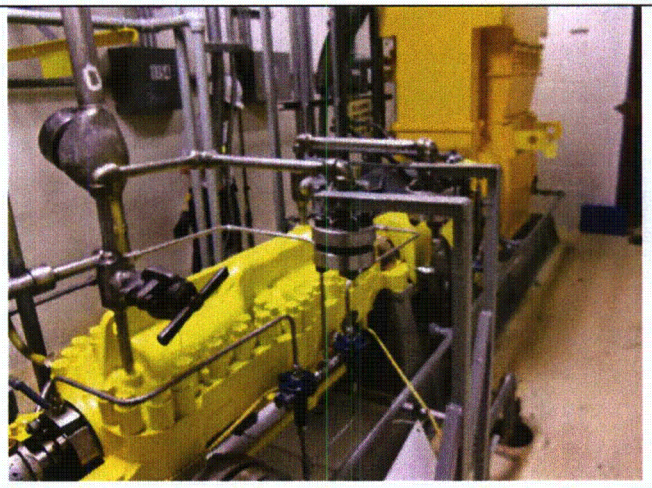
temporary installations (e.g., scaffolding, lead shielding)?

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

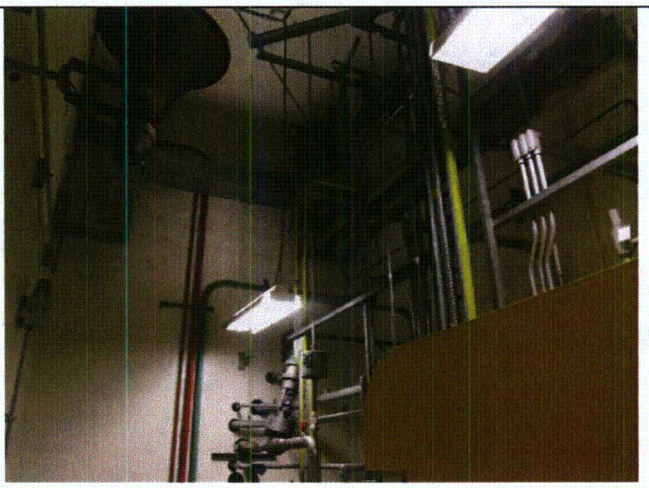
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3831



100_3842

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 15: AB, 281

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 15: AB, 281

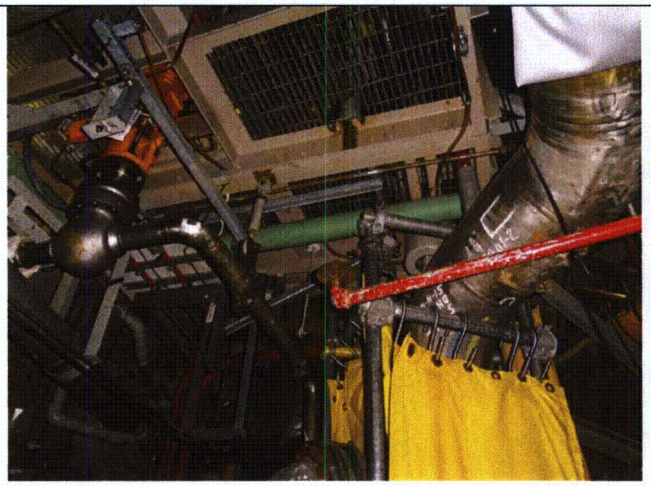
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



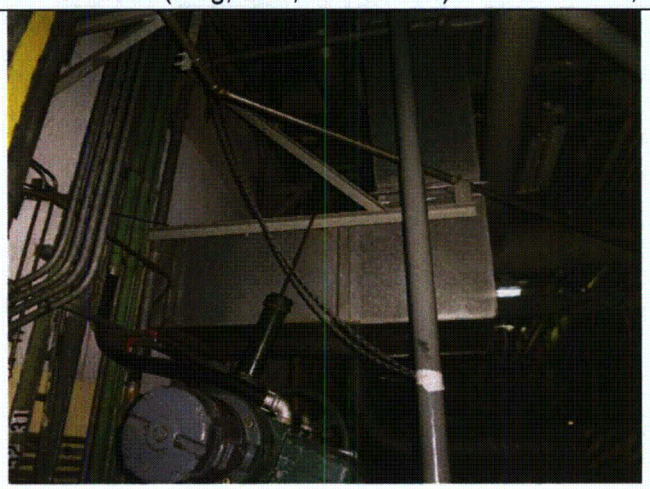
100_3860

100_3879

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 15: AB, 281



100_3882

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 16: AB, 271

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 16: AB, 271

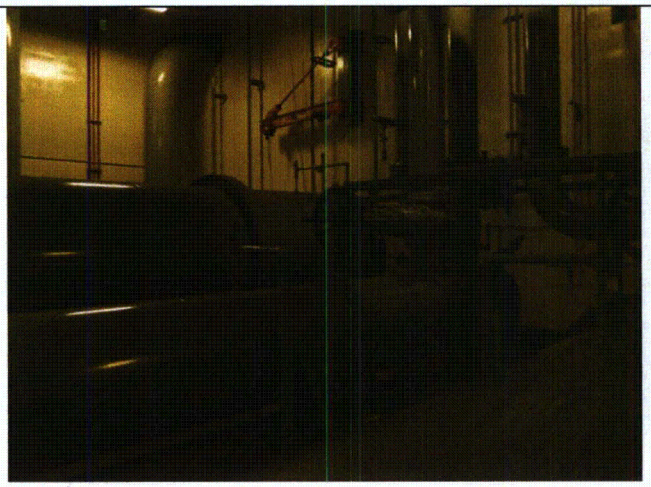
temporary installations (e.g., scaffolding, lead shielding)?

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

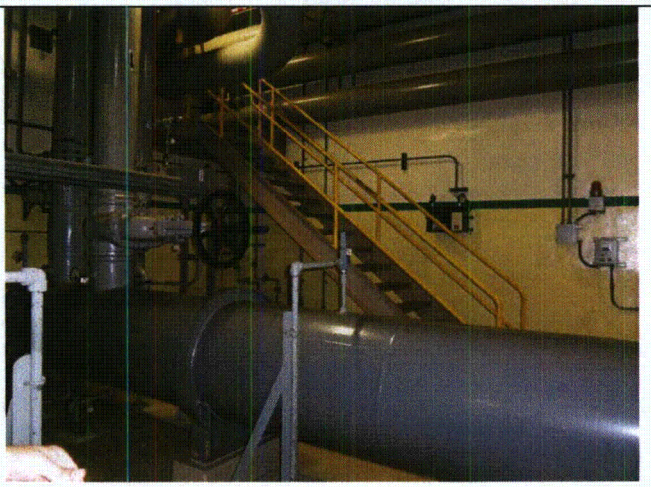
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3902



100_3903

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 17: CB, 285

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 17: CB, 285

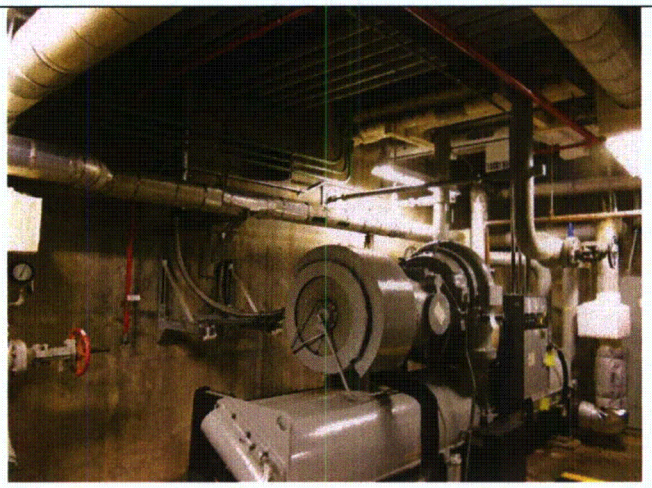
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3679

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 18: CB, 322

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 18: CB, 322

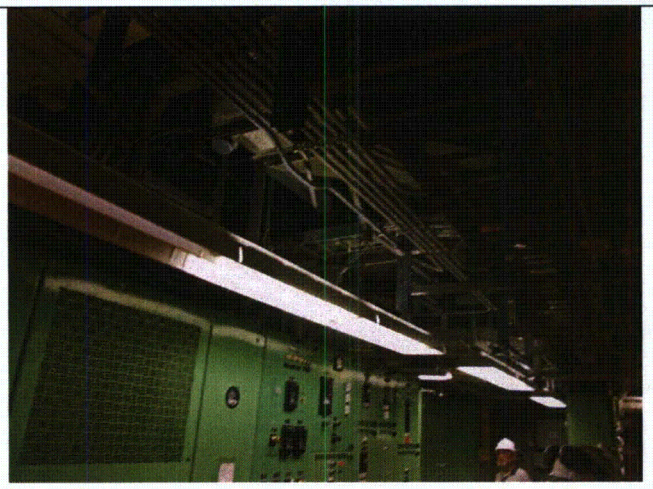
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3429

100_3432

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 19: CB, 355

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 19: CB, 355

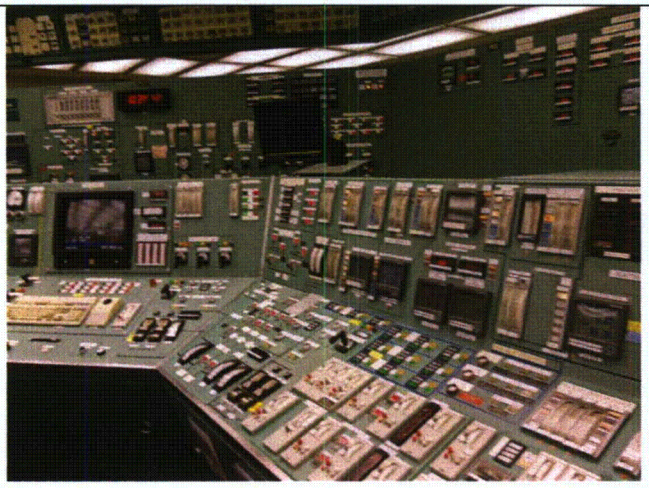
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3655

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 20: CB, 338.5

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 20: CB, 338.5

temporary installations (e.g., scaffolding, lead shielding)?

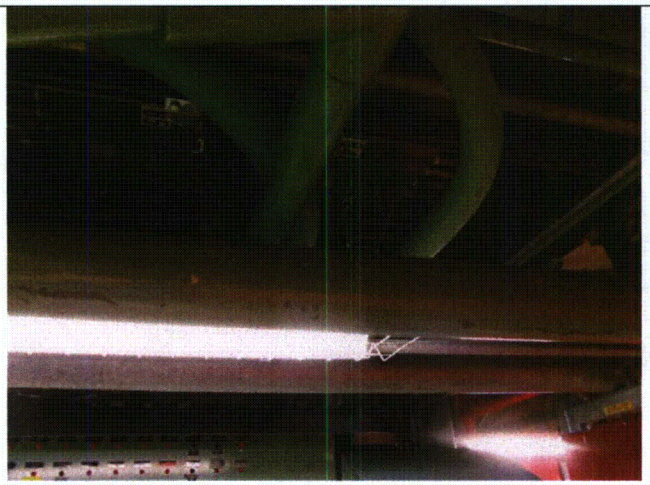
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

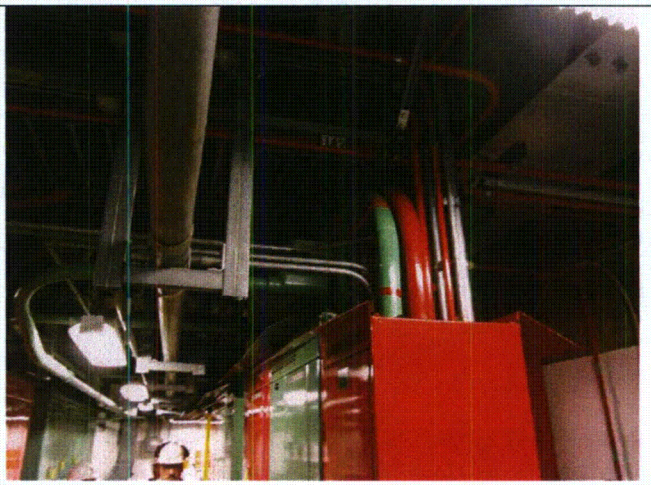
S-Hooks adjacent to junction box T855 needs to be crimped closed. This is not a seismic interaction issue because there is no equipment nearby the light that could potentially interact with.
S-Hooks in front of 2B needs to be crimped closed. This is not a seismic interaction issue because there is no equipment below the light.
This issue is generically addressed by IR 1401692.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3637



100_3646

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 20: CB, 338.5

100_3648

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 21: CB, 338.5

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 21: CB, 338.5

temporary installations (e.g., scaffolding, lead shielding)?

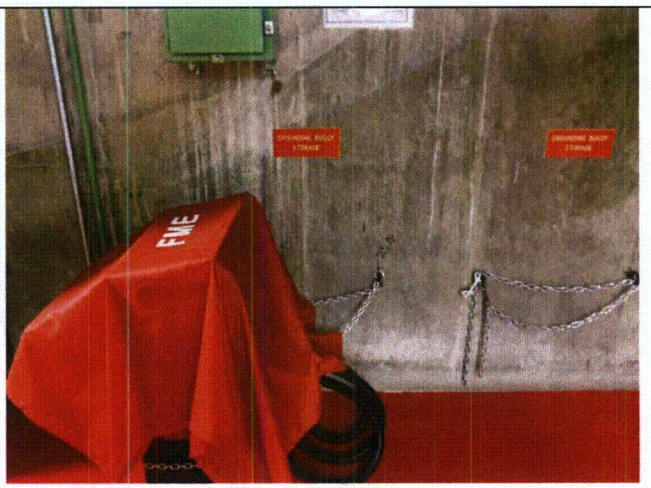
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3598



100_3604

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 22: CB, 322

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 22: CB, 322

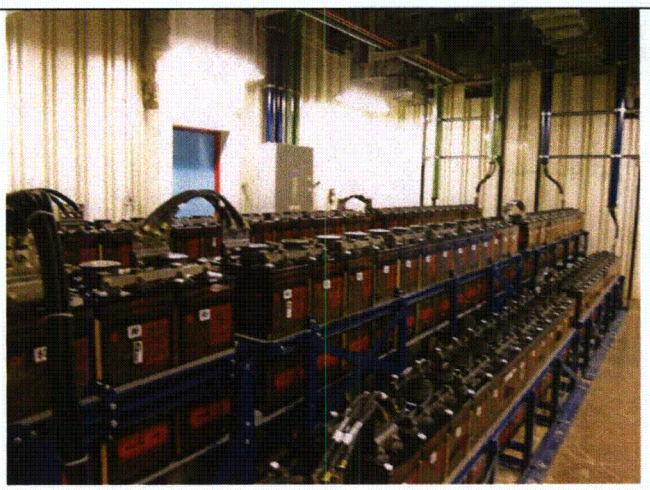
temporary installations (e.g., scaffolding, lead shielding)?

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

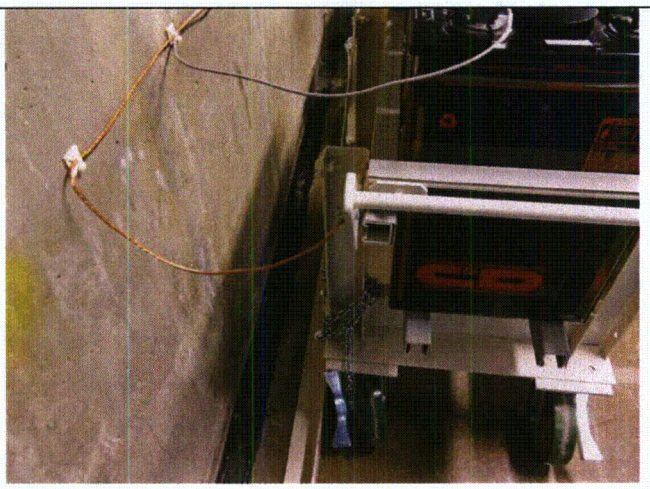
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3538



100_3541

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 22: CB, 322

100_3544

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 23: CB, 338.5

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 23: CB, 338.5

temporary installations (e.g., scaffolding, lead shielding)?

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

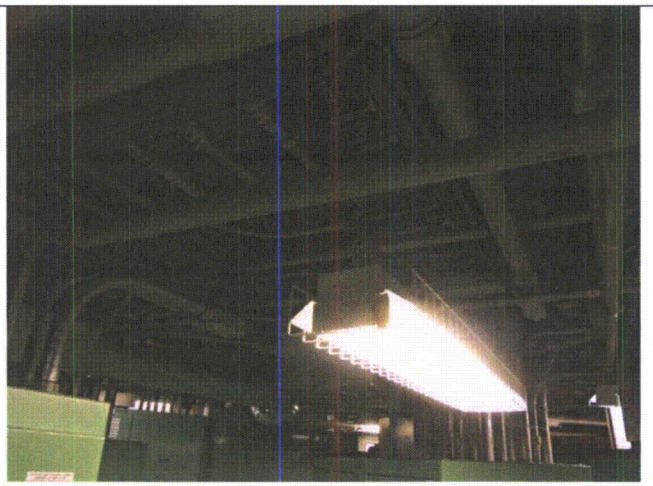
Comments

Overhead light in the vicinity of XCLA has S-Hooks that need to be crimped closed. This is not a seismic interaction issue because there is no equipment below the light.
This issue is generically addressed by IR 1401692.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3586



100_3589

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 24: CB, 322

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 24: CB, 322

temporary installations (e.g., scaffolding, lead shielding)?

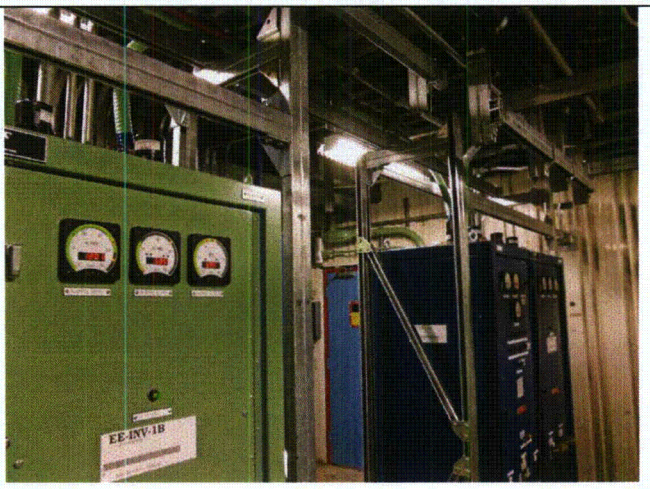
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3521



100_3522

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 25: CB, 380

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 25: CB, 380

temporary installations (e.g., scaffolding, lead shielding)?

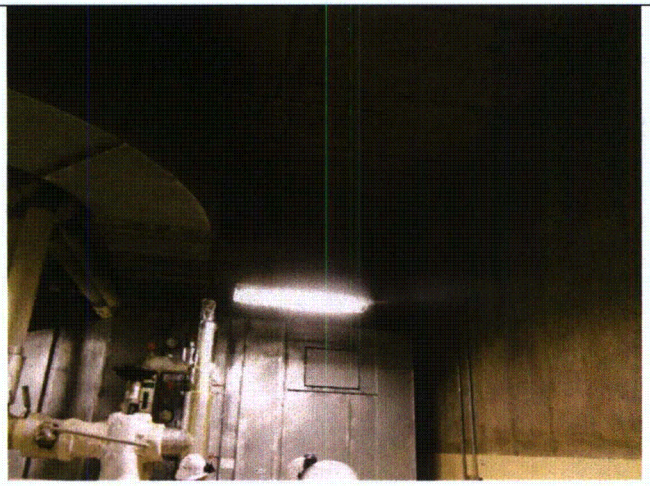
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

AH-C-6B has surface oxidation near anchorage, judged not to be a potential seismic concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3377

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 26: CB, 380

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 26: CB, 380

temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3167

100_3170

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 27: CB, 338.5

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 27: CB, 338.5

temporary installations (e.g., scaffolding, lead shielding)?

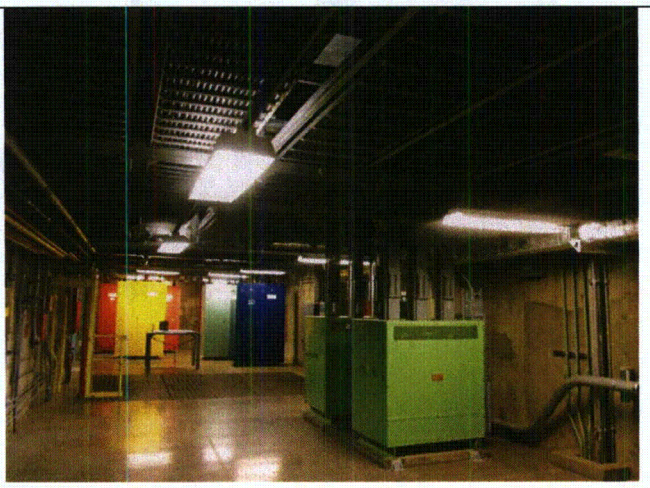
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3570



100_3572

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 28: IPH, 338.5

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 28: IPH, 338.5

temporary installations (e.g., scaffolding, lead shielding)?

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

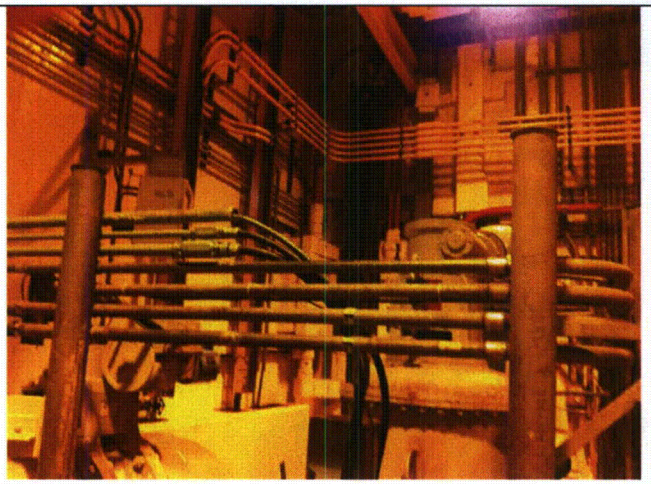
Comments

Support to floor of DR-P-1B exhibits more than surface oxidation. Adequate cross sectional area remains.

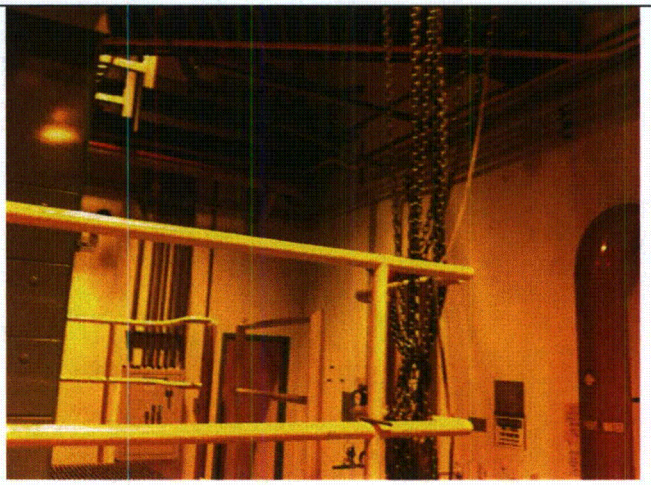
Upper support missing on NR-P-1C. IR 1401674 – NR PUMPS MOTOR UPPER RESTRAINTS is tracking this issue. The pumps upper restrains are not seismic related. They are just for thrust purpose and the where later removed per ECRs 02-00271, 02-00272, 02-00263 because they were not longer needed. However, the pump seismic qualification is not longer per SQUG, instead there was a new analysis that was performed (FBT-625-001 R00) during the pump replacement on 2001 (from Peerless to Johnsons Pump) that qualified the new pump to seismic class one per specification (SP-1101-12-148 Rev. 3).
Support for instrument lines/junction box J136 exhibits more than surface oxidation

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



IMG_1233



IMG_1235

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 29: IPH, 308

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 29: IPH, 308

temporary installations (e.g., scaffolding, lead shielding)?

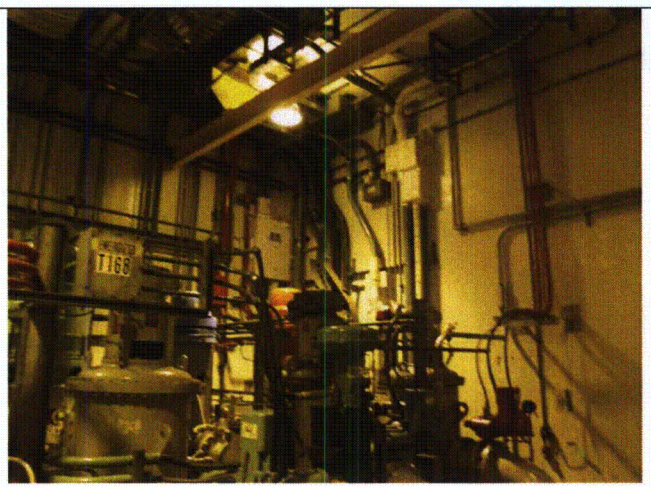
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

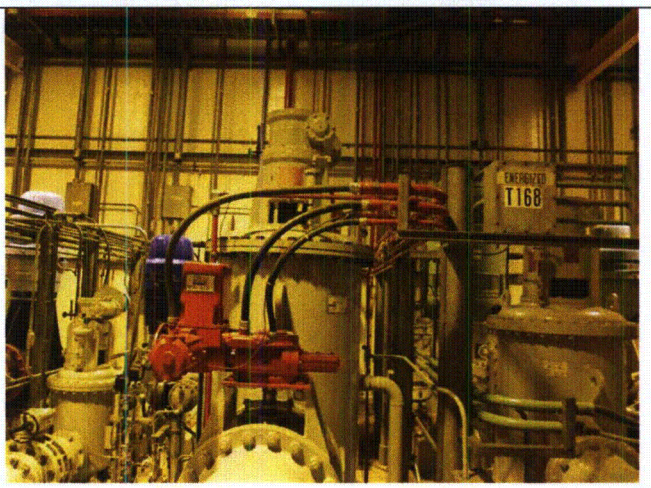
Support degraded for SW-PI-540B. This support is however for non safety related components.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3710

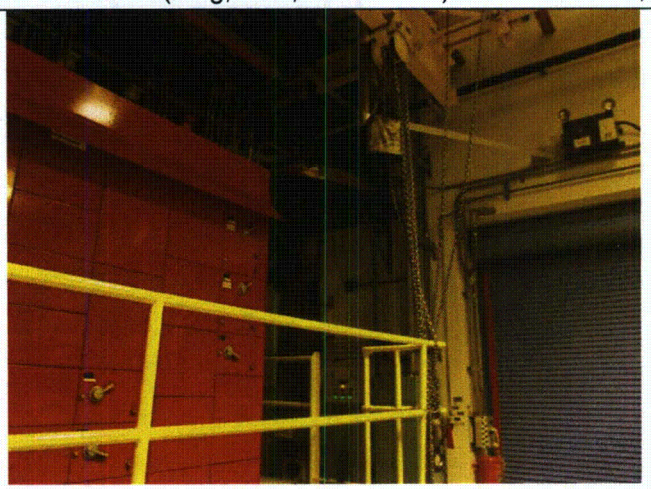


100_3711

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 29: IPH, 308



100_3713

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 30: FB, 281

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 30: FB, 281

temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3305

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 31: FB, 281

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 31: FB, 281

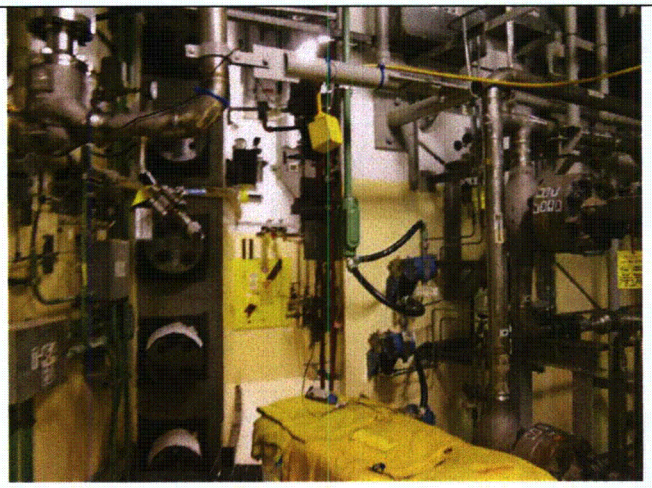
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3362

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 32: FB, 348

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 32: FB, 348

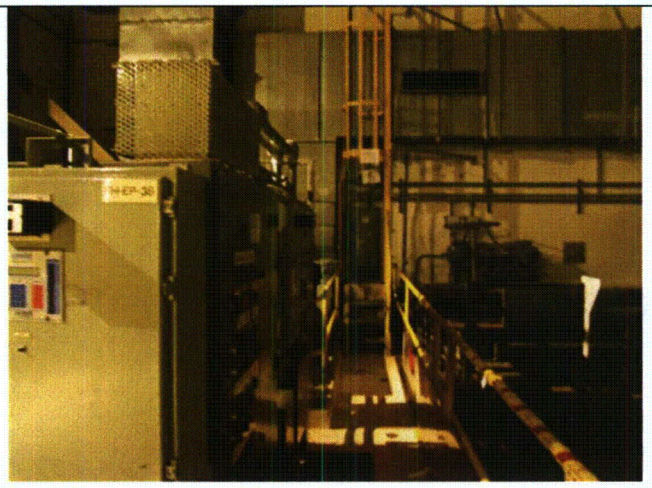
temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3293

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 33: FB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 33: FB, 305

temporary installations (e.g., scaffolding, lead shielding)?

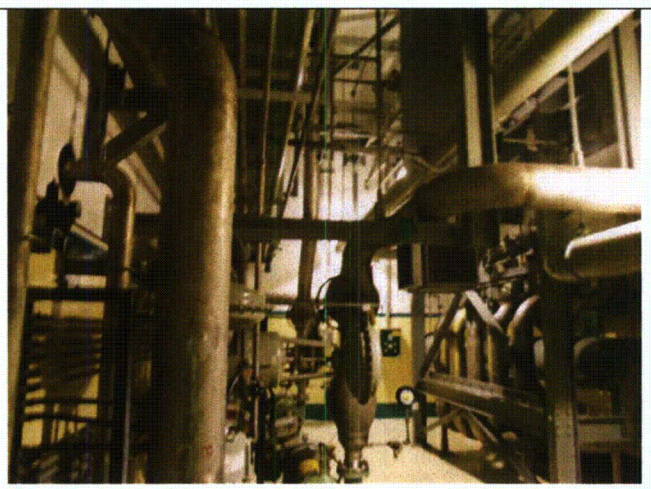
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Minor linear indications (Surface cracks) on floor, judged not to be a potential seismic concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3261

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 34: FB, 281

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 34: FB, 281

temporary installations (e.g., scaffolding, lead shielding)?

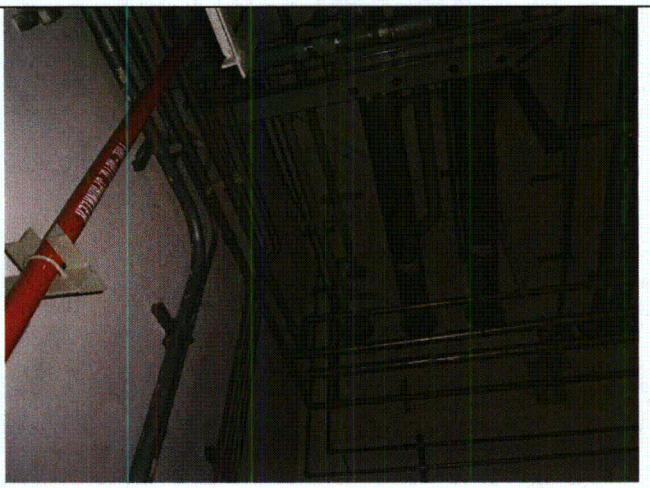
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

100_3339

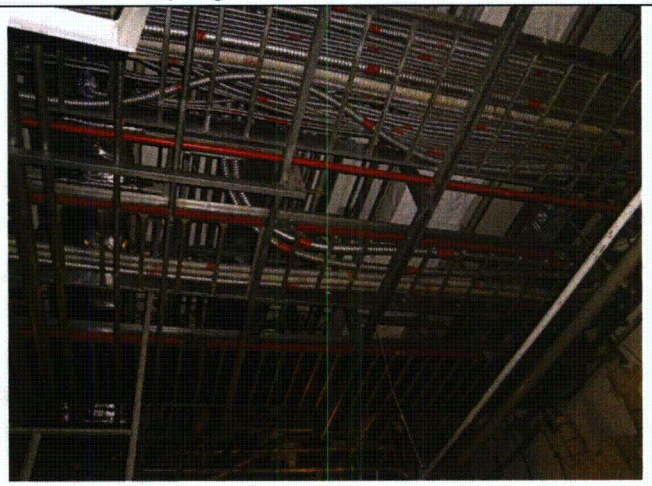


100_3340

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 34: FB, 281



100_3342

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 35: DG, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 35: DG, 305

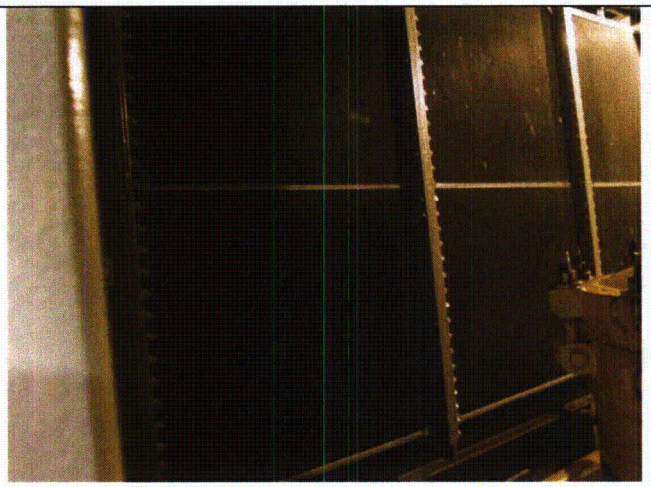
temporary installations (e.g., scaffolding, lead shielding)?

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

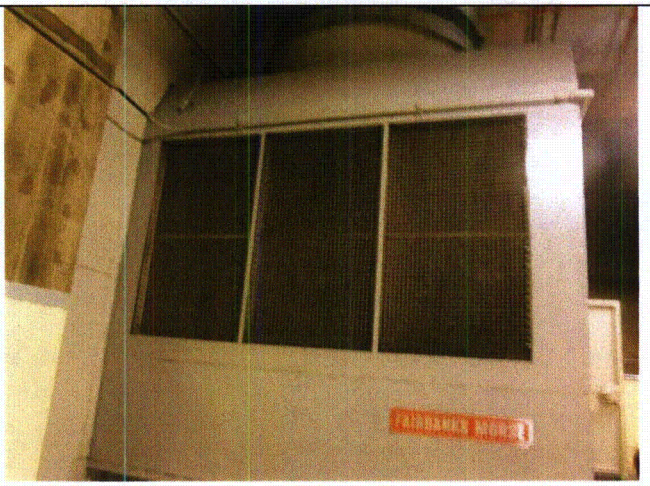
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3150



100_3152

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 36: DG, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 36: DG, 305

temporary installations (e.g., scaffolding, lead shielding)?

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

No equipment ID tag on 1B CNPL. Issue address by IR 1400590. See IR for details.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 36: DG, 305

100_3014

100_3018

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 37: DG, 305

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
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

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 37: DG, 305

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

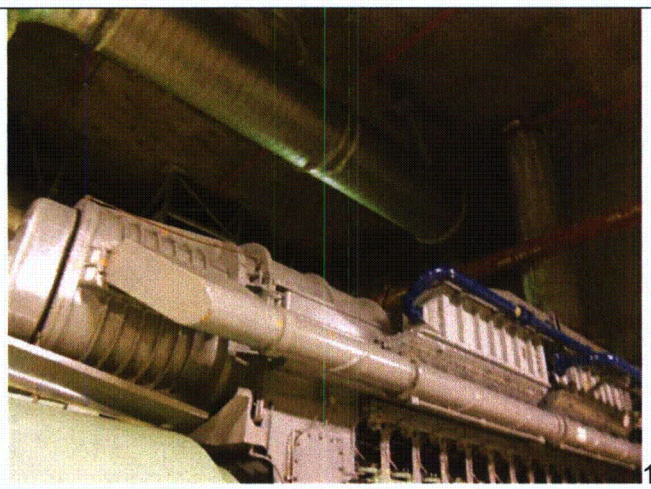
Chipped paint on diesel pad

Surface spalling on South Wall is previously documented under Maintenance Rule Inspection R2151812. R2151812 tracks completion of the walkdown and updates the topical report with its results.
Fire suppression piping above diesel and associated safety equipment is consistent with NFPA-13

Fire suppression piping on the east wall is not consistent with NFPA-13, however, there is no safety related equipment below. Therefore, there is no seismic interaction concern.

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3118

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 38: DG, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 38: DG, 305

temporary installations (e.g., scaffolding, lead shielding)?

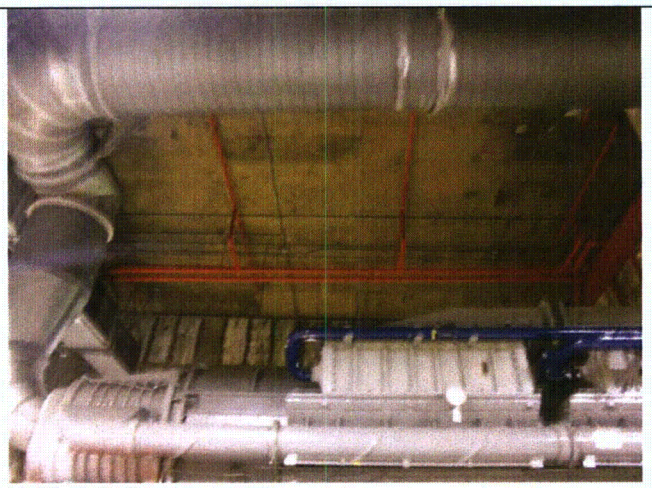
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Fire suppression piping on the east wall is not consistent with NFPA-13, however, there is no safety related equipment below. Therefore, there is no seismic interaction concern.
Fire suppression piping above diesel and associated safety equipment is consistent with NFPA-13

Evaluated by: Mark S. Etre Date: 10/24/2012

Seth W. Baker 10/24/2012



100_3132

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 39: RB, 308

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 39: RB, 308

temporary installations (e.g., scaffolding, lead shielding)?

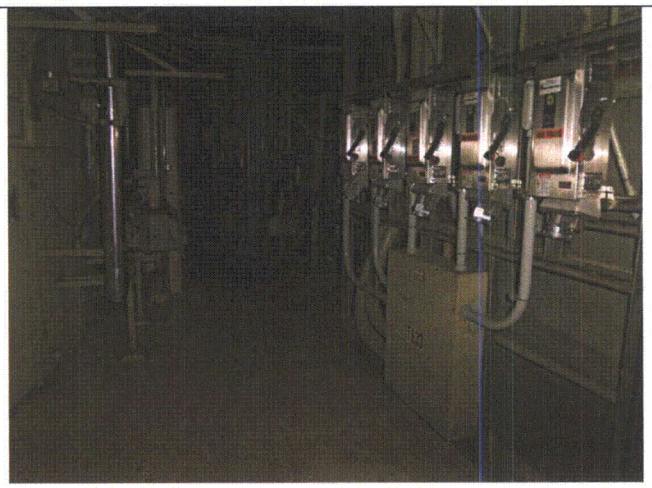
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

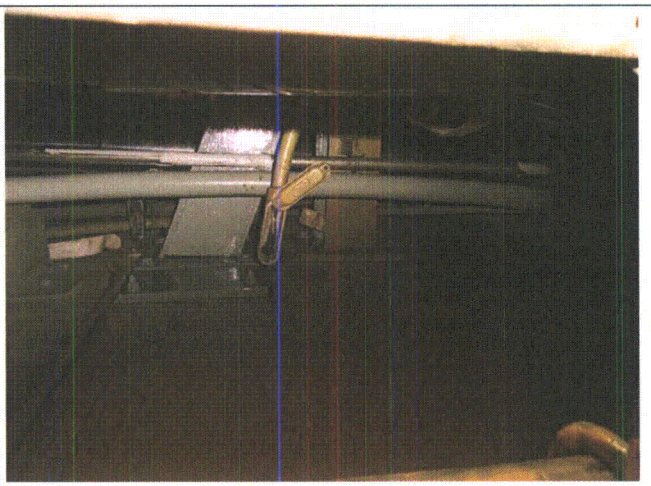
An electrical Conduit Cover near MS-PT-1184 was found to be open and held with one bolt out of two. Second bolt was missing. Addressed by IR 1404814

Evaluated by: Mark S. Etre Date: 10/24/2012

Juan A. López 10/9/12



100_4064



100_4061

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 40: RB, 305

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 40: RB, 305

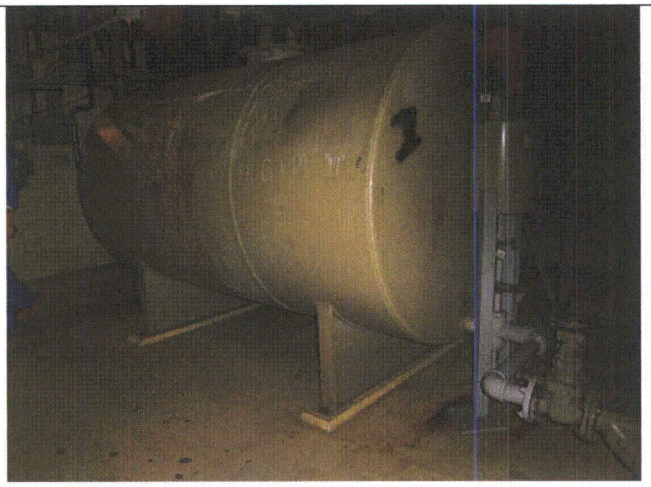
temporary installations (e.g., scaffolding, lead shielding)?

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

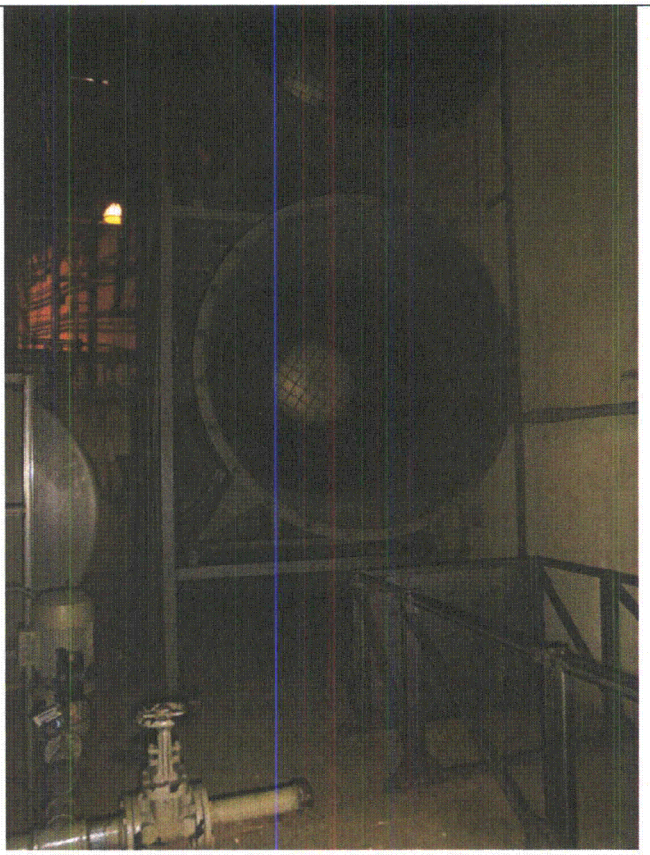
Comments

Evaluated by: Mark S. Etre Date: 10/24/2012

Juan A. López 10/9/12



100_4143

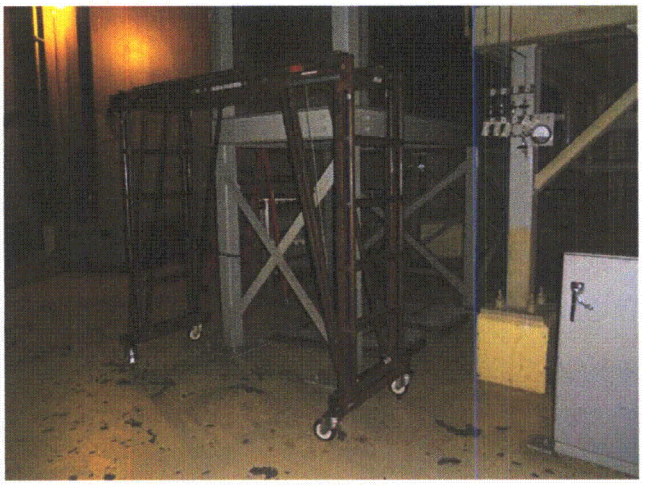


Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 40: RB, 305

100_4147



100_4148

100_4149

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 41: RB, 346

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 41: RB, 346

temporary installations (e.g., scaffolding, lead shielding)?

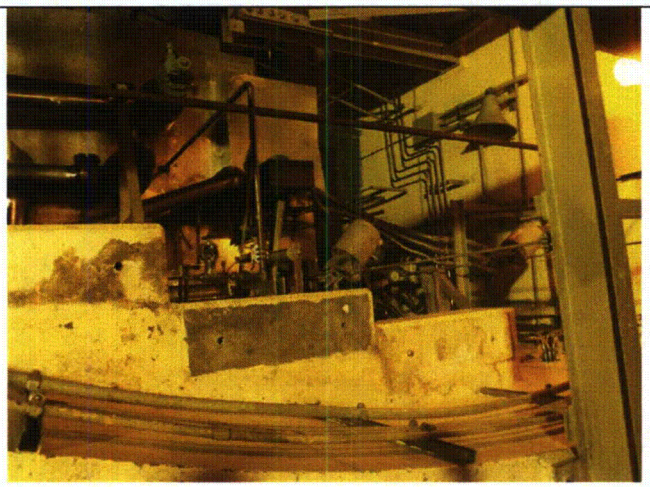
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

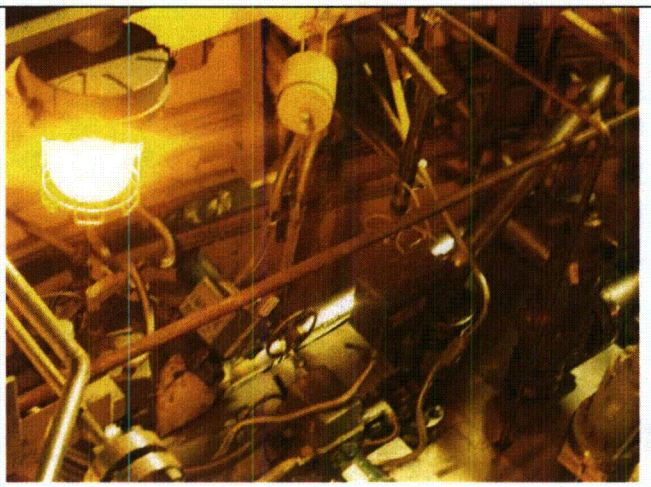
Snubber MK-RC-23 sight glass is broken. This issue was previously a NRC identified (before the walkdown) immediately after shutdown (before our walkdown) per IR 1403542.

Evaluated by: Mark S. Etre Date: 10/24/2012

Juan A. López 10/9/12



100_4092



100_4098

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 42: IB, 355

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
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	Yes

Status: [Y] N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 42: IB, 355

temporary installations (e.g., scaffolding, lead shielding)?

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

Evaluated by: Mark S. Etre Date: 10/24/2012

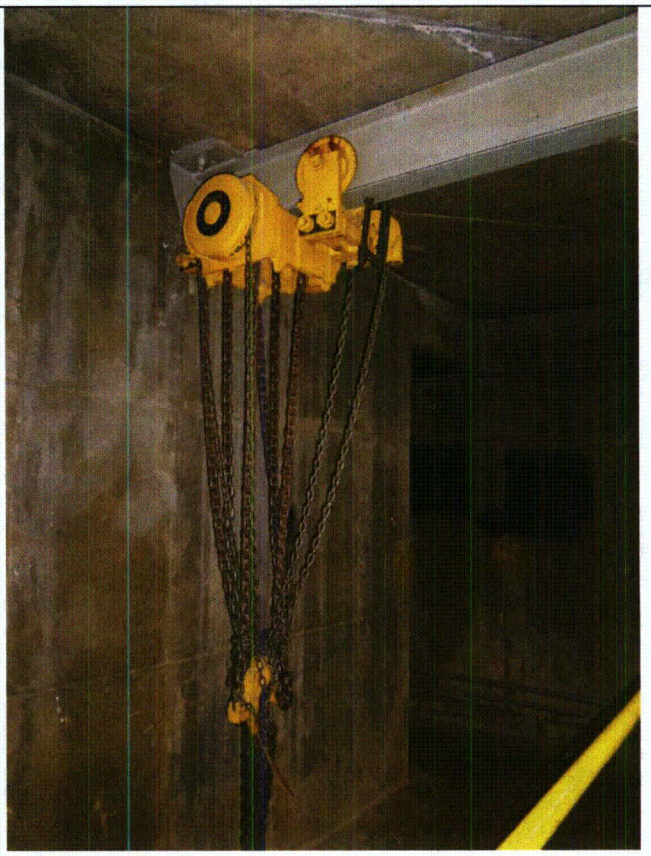
Juan A. López 10/9/12

Status: [Y] N U

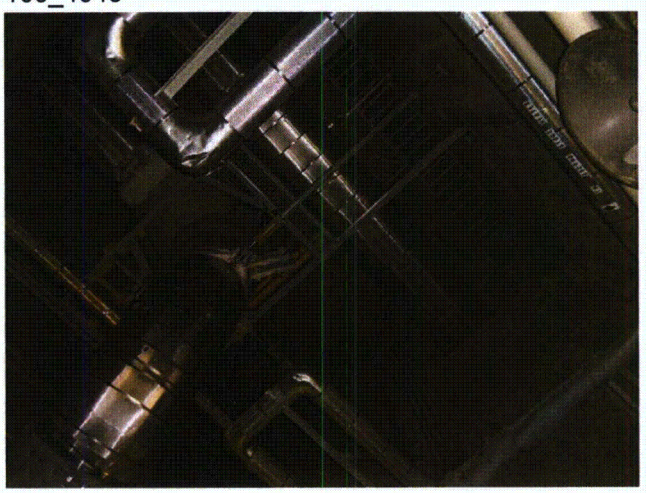
Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area 42: IB, 355

100_4045



100_4046



100_4049

E

Plan for Future Seismic Walkdown of Inaccessible Equipment

Seismic Walkdowns for 15 components were deferred. These components are configured with anchorage that is internal to the component and it was not opened to allow for inspection of the anchorage. Anchorage inspections for these items will be completed at a later time when the equipment is accessible. Table E-1 summarizes the reasons each item is deferred and notes the TMI 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 clarification 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
DH-T-001	BWST	Risk management due to covered internal anchorage	1433899	Open	1R20
1B-480V-ES	480V ENGINEERED SAFEGUARDS MCC 1B	Energized equipment with internal anchorage	1422453	Open	1R20
1B-480V-ESV	1B ENGINEERED SAFEGUARDS VALVES & HEATING CONTROL CENTER	Energized equipment with internal anchorage	1422453	Open	1R20
1B-480V-SHES	480V SCREEN HOUSE ENGINEERED SAFEGUARDS MCC 1B	Energized equipment with internal anchorage	1422453	Open	1R20
SF-P-1B-BK	1B ES MCC UNIT 6A	Risk management due to covered internal anchorage	1422453	Open	4Q2012
1S-480V-ES- SWGR	480V ENGINEERED SAFEGUARDS BUS 1S	Energized equipment with internal anchorage	1422453	Open	1R20
1T-480V-SHES-SWGR	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS 1T	Energized equipment with internal anchorage	1422453	Open	1R20
1E-4160V-ES	4160V ENGINEERED SAFEGUARDS BUS 1E	Energized equipment with internal anchorage	1422453	Open	1R21
1S-480V-ES- XFMR	1S 480V ES SWGR 4160/480V XFMR	Energized equipment with internal anchorage	1422453	Open	1R20
1T-480V-SHES-XFMR	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR	Energized equipment with internal anchorage	1422453	Open	1R20
1F-DC	125/250V DC ES DIST PANEL 1F	Risk management due to covered internal anchorage	1422453	Open	4Q2012
1Q-DC	125/250VDC DIST PANEL FOR EDG 1B	Risk management due to covered internal anchorage	1422453	Open	4Q2012
1B DG CNPL	DIESEL GEN 1B - ENGINE CONTROL RELAY PANEL	Risk management due to covered internal anchorage	1422453	Open	4Q2012
CC	CONTROL RM CONSOLE CENTER CONTROL PANEL	Risk management due to covered internal anchorage	1422453	Open	4Q2012

Component ID	Description	Reason for Inaccessibility	Action Request ID (IR)	Resolution / Status	Milestone Completion
EED-PNL-1B	125/250V DC DIST PANEL 1B	Risk management due to covered internal anchorage	1422453	Open	4Q2012

Table E-2. Supplemental Internal Cabinet Inspection List

Component ID	Description	Equipment Class	Accesible (Y/N)	If Not Accesible, Why?	Milestone Completion	Tracking Number (IR No.)	Status / Inspection Results
1B-480V-ESF	1B-480V-ESF VENT BUILDING MCC	(01) Motor Control Centers	Y		1R20	1422453	Open
TRB	120V REG AC INSTR. POWER TRB	(14) Distribution Panels	Y		4Q2012	1422453	Open
VBD	120V VITAL INST DIST PANEL 1D	(14) Distribution Panels	Y		4Q2012	1422453	Open
EED-BC-1B	BATTERY CHARGER 1B	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A
EED-BC-1D	BATTERY CHARGER 1D	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A
EED-BC-1F	BATTERY CHARGER 1F	(16) Battery Chargers and Inverters	N	Extensive Disassembly is Required	N/A	N/A	N/A
EE-INV-1B	INVERTER 1B	(16) Battery Chargers and Inverters	Y		4Q2012	1422453	Open
EE-INV-1F	1F INVERTER	(16) Battery Chargers and Inverters	Y		4Q2012	1422453	Open
1B	ENGINEERED SAFEGUARDS CABINET 1B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
3B	ESAS ACTUATION CABINET 3B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
4B	ESAS ACTUATION CABINET 4B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open

5B	ESAS ACTUATION CABINET 5B	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
BS-PS-0933	RB PRESSURE SWITCH FOR ESAS ACTUATION	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
CRD-CB-1D	CRD CIRCUIT BREAKER 1D	(20) Instrumentation and Control Panels and Cabinets	Y		1R20	1422453	Open
EE-PNL-VBB	VBB 120 VAC PANEL	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
HSPS-CH-2	HSPS CHANNEL 2	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
RR-S-1B	RR-S-1B CONTROL PANEL	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open
XCLA	XCLA RELAY PANEL	(20) Instrumentation and Control Panels and Cabinets	Y		4Q2012	1422453	Open

F

Peer Review Report

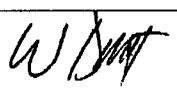
This appendix includes the Peer Review Team's report, including the signed Peer Review Checklist for SWEL from Appendix F of the EPRI guidance document. (Ref. 1)

Peer Review Report
for
Near Term Task Force (NTTF) Recommendation 2.3
Seismic Walkdown Inspection
of
Three Mile Island Unit 1

October 20, 2012

Prepared by Peer Reviewers

Walter Djordjevic (Team Leader)
Todd A. Bacon
Tony Perez

Walter Djordjevic 	October 20, 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 1 of the Three Mile Island Nuclear Station (TMINS). 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 15, 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 & 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 TMINS, Unit 1 are Messrs. Walter Djordjevic, Todd A. Bacon, and Tony Perez, 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. Perez is a mechanical engineer with 15 years of experience and a trainee in a 9 month Senior Reactor Operator Certificate training program. Mr. Djordjevic, as Peer

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

Review Team Leader, has participated in all phases of the peer review process for TMINS, Unit 1.

The SWEL development was performed by Mr. Kim Hull of S&A. No findings were cited on the peer review checklist. The completed SWEL Peer Review Checklist is found in Attachment 1. The discussion for the SWEL development peer review is found in Section 2.

The peer review of the seismic walkdown inspection started on August 15, 2012 with a peer check of the actual walkdowns for Unit 1. 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 1 Seismic Walkdown Checklists (SWCs) and the Area Walk-by Checklists (AWCs) to ascertain procedural compliance with the SWG. The interviews were conducted with Mr. Mark Etre of the SWE inspection team on October 1, 2012 and Mr. Seth Baker of the SWE walkdown inspection team on October 2, 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 Three Mile Island Nuclear Station – Unit 1.

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, Revision 2, dated 08/10/2012

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

- Mr. Kim Hull, 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 Safety Category 1 and SWEL 2 was sufficiently populated as appropriate. There were items identified as potentially related to rapid drain down and these items were added to SWEL 2 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.

The peer review checklist is attached to this document with additional findings documented as appropriate.

This peer review resulted in no additional findings.

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 1 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 on August 15, 2012, after which an interview was conducted by Messrs. Djordjevic and Bacon with the SWE inspection team in accordance with the SWG requirements. The interviews were conducted with Mr. Mark Etre of the SWE inspection team on October 1, 2012 and Mr. Seth Baker of the SWE walkdown inspection team on October 2, 2012.

3.2 Sample Checklists

Table 3-1 lists the SWC and AWC samples which represent approximately 29% of the SWCs and 23% 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 1*

Equipment Identification	Equipment Class (GIP)	Walkdown Item	Observations
1B DG CNPL	20 - Instrumentation and Control Panels and Cabinets	Diesel Gen 1B - Eng. Control Relay Panel	No concerns
1B-480V-ESV	1 - Motor Control Centers	1B Eng. Safeguard Valves & Htng. Control Center	Anchorage not accessible – deferred to outage.
1Q-DC	14 - Distribution Panels	125/250 VDC Dist. Panel for EDG 1B	No concerns
1T-480V-SHES-SWGR	2 - Low Voltage Switchgear	480V Engineered Safeguards Screen House Bus 1T	Anchorage not accessible – deferred to outage.
4B	20 - Instrumentation and Control Panels and Cabinets	ESAS Actuation Cabinet 4B	No concerns
AH-C-0004B	11 - Chillers	Control Bldg. Chiller	S-hook needs to be crimped - IR 01401692 issued.
AH-E-19B	9 - Fans	Control Bldg. B Return Air Fan	No concerns

Equipment Identification	Equipment Class (GIP)	Walkdown Item	Observations
BS-PS-0933	20 - Instrumentation and Control Panels and Cabinets	RB Pressure Switch for ESAS Actuation	No concerns
CO-LT-1062	18 - Instruments on Racks	Cond. Storage Tnk B Lvl Transmitter	No concerns
CRD-CB-1D	20 - Instrumentation and Control Panels and Cabinets	CRD Circuit Breaker 1D	No concerns
DF-LI-J500B	18 - Instruments on Racks	EDG/Fuel Oil/DF-T-2B Level Indicator	No concerns
DH-V-0005B	8 - Motor-Operated and Solenoid-Operated Valves	BWST to DH Pumps	No concerns
DR-P-1B	6 - Vertical Pumps	Decay Heat River Pump	No concerns
EED-B-1B	15 - Batteries on racks	250V DC Station Battery 1B	No concerns
EED-BC-1B	16 - Inverters	Battery Charger 1B	No concerns
EF-FT-0782	18 - Instruments on Racks	EFW To B OTSG Flow Transmitter	No concerns
EF-P-0002B	5 - Horizontal Pumps	Emergency Feed Pump B	No concerns
EG-C-2D	21 - Tanks and Heat Exchangers	EDG B Air Cooler B Radiator	No concerns
EG-T-0001B-1	21 - Tanks and Heat Exchangers	EDG 1B Air Start 1 Reservoir	No concerns
IA-T-0007B	0 - Other	Two Hour Air Bottle to "B" Train	No concerns
MS-V-0004B	7 - Fluid Operated Valves	Atmospheric Dump Valve for 'B' OTSG	No concerns
NR-P-0001B	6 - Vertical Pumps	Nuc. Serv. Cool. River Water 'B' Pump	No concerns
NS-V-0053B	7 - Fluid Operated Valves	Cont. Isol. AH-E-1B Mtr. Cooler Return	No concerns
RC-TE-0961	19 - Temperature Sensors	RC Loop B Wide Range T-Cold Element	No concerns

Equipment Identification	Equipment Class (GIP)	Walkdown Item	Observations
RR-S-0001B	0 - Other	RB Emerg. Cooling River Wtr 'B' Strainer	No concerns
RR-S-1B	20 - Instrumentation and Control Panels and Cabinets	RR-S-1B Control Panel	No concerns
SF-P-1B-BK	1 - Motor Control Centers	1B ES MCC Unit 6A	No concerns
SF-V-15	7 - Fluid Operated Valves	SF-P1B Discharge Isol. Valve To A SF Pool	No concerns
SF-V-37	0 - Other	SF-P2 Suction Valve From Fuel Pool A & B	No concerns
SF-V-48	0 - Other	A SF Pool Siphon Breaker Isol. Valve	No concerns
XCLA	20 - Instrumentation and Control Panels and Cabinets	XCLA Relay Panel	No concerns

Area Walkdown Description	Observations
Area 04: IB, 295'	No concerns
Area 07: IB, 295'	No concerns
Area 11: AB, 305'	No concerns
Area 15: AB, 281'	No concerns
Area 19: CB, 355'	No concerns
Area 23: CB, 338.5'	Open S-hooks - IR 1401692 written to correct situation.
Area 27: CB, 338.5'	No concerns
Area 31: FB, 281'	No concerns
Area 36: DG, 305'	No concerns
Area 41: RB, 346'	No concerns

3.3 EVALUATION OF FINDINGS

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 1 with regard to scaffold erection. The scaffolds were properly tied off and braced, and properly tagged with respect to the procedure.

Concerning seismic housekeeping, there were very few instances found throughout the plant and it can be concluded that TMINS, Unit 1 implements their seismic housekeeping program consistently.

The instances of loose screws and fasteners are seen as simple general maintenance issues and none of them were adjudged a concern from the seismic performance viewpoint. However, IRs were generated to repair the affected components (see IRs 1400290, 1402066, 1402599, 1401217 & 1401220).

There were some instances of partially open s-hooks on light fixtures in the Control Building, none of which were deemed a seismic performance concern for SWEL or other Class 1 equipment, and they are dispositioned in a general IR for light fixtures specific to the Control Building (see IR 1401692).

In all instances the Seismic Walkdown Checklists document the details of all issues identified, the action taken and the conclusion rendered by the SWE inspectors.

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 1 seismic walkdown inspections for the SWEL components and how they were addressed. If a Three Mile Island 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 1 and October 2, 2012 to discuss the issues identified.

Nineteen (19) Issue Reports (IRs) were initiated for conditions identified during the seismic walkdowns at TMI Unit 1. One (1) condition (IR 1400723) was determined to be a potential adverse seismic condition for which the component (AH-E-18B) was declared inoperable. Specifically, the supporting frame of Fan AH-E-18B was found in a degraded state missing some but not all anchors. Further evaluation completed through the Corrective Action Program (CAP) concluded the as-found condition was degraded though capable of withstanding seismic loads and performing its design function(s). Due to the nature of this condition it was concluded the condition was an adverse seismic condition. The condition was addressed via work order (M2310468) to correct the as-found condition to the design configuration.

The peer reviewers reviewed the IRs and concur with the outcomes and actions taken.

5 Review Final Submittal Report & Sign-off

The entire final submittal report has been reviewed by Messrs. W. Djordjevic, A. Perez 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) letter[2] 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 - Three Mile Island Generating Station - Unit 1

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: Peer Review. 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☐
   No comments.

2. Does SWEL 1 include an appropriate representation of items having the following sample selection attributes:

   a. Various types of systems? Y☒ N☐
      No comments.

   b. Major new and replacement equipment? Y☒ N☐
      No comments.

   c. Various types of equipment? Y☒ N☐
      No comments.

   d. Various environments? Y☒ N☐
      No comments.

   e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Y☒ N☐
      No comments.

Peer Review Checklist for SWEL - Three Mile Island Generating Station - Unit 1

f. Were risk insights considered in the development of SWEL 1? Y☒ N☐
No comments.

3. For SWEL 2:

a. Were spent fuel pool related items considered, and if applicable included in SWEL 2? Y☒ N☐
No comments.

b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2? Y☒ N☐
No comments.

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

None.

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

Tony Perez

Peer Reviewer #1: _____ Date: *08/31/2012*

Walter Djordjevic

Peer Reviewer #2: _____ Date: *09/01/2012*

G IPEEE Vulnerability Status

Table G-1 lists the plant improvements, the IPEEE/SQUG proposed resolution, the actual resolution and resolution date.

Table G-1. IPEEE Improvements Status

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
Load Centers: 1P, 1R, 1S, and 1T	Improvement: Load centers welds are the largest single contributor to the calculated seismic core damage frequency (CDF). This fragility is the largest impact on the unavailability of Class 1E power during a seismic event with offsite power available and with a loss of offsite power as stated in the TMI IPEEE.	As a possible plant enhancement, review Load Centers 1P, 1R, 1S, and 1T gusset weld reinforcements as a possible improvement to the seismic ruggedness of the load centers.	Load Centers 1R and IT are located in the Screenhouse and are the basis for the IPEEE calculated seismic core damage frequency (CDF) values. Load Centers 1P and 1S are located in the control tower and their fragility values are judged to exceed the fragility values of 1R and 1T as described below. A more complete visual inspection of the gusset welds was performed after the completion of the TMI-1 IPEEE. The welds were evaluated by the GPU Nuclear civil / structural engineering staff and verified to be the weak link of the load centers as stated in the TMI-1 IPEEE. Although these welds continue to be the largest single contributor to the calculated seismic CDF, a re-welding of the gusset welds to make another element the weak link for the above load centers would only lower the seismic CDF from 3.21E-5 to 1.44E-5/year. This is a reduction in total CDF of about 10% when both the internal and external event contributions are considered (a change from 1.78E-4 to 1.60E-4/year). Based on the engineering evaluations described above, the load center welds in the control tower are judged to be more seismically rugged than the load centers in the Screenhouse. Since the seismic capability values for the load centers in the Screenhouse were used in the IPEEE, the CDF values above are judged to be conservative. For these reasons, it has been determined that a re-weld of the load center gusset welds is not required.	February 12, 1996

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
Control Room Ceiling	Improvement: Control room ceiling failure seismic component is a contributor to the calculated seismic core damage frequency (CDF). The TMI IPEEE model assumes that the ceiling damages the control room panels causing failure of one train of Class 1E AC power.	As a possible plant enhancement, review the Control Room ceiling under the A-46 program to determine if additional supports or other modification is required.	The Control Room ceiling has been identified as an A-46 program outlier. A walkdown and study was performed under the A-46 on September, 1995 and EQE Report No. 990-2430, "TMI Control Room Ceiling Evaluation for A-46", was generated. The report provided six (6) specific recommendations to resolve the outlier interaction concern. Corrective actions were taken from these recommendations. Corrective actions 1 thru 5 were implemented in 1996 and corrective action 6 was completed on October 7, 1997 after the installation of the "eggcrate diffusers".	October 7, 1997
PP-T-1A	Improvement: It was determined that the penetration pressurization air tank (PP-T-1A) had low seismic capacity. As a result, it could potentially impact a Reactor Building purge inlet isolation valve, AH-V-1D, during the postulated event and damage it in such a way as to prevent closure. The penetration pressurization air tank was assumed to fail in the TMI IPEEE model.	As a possible plant enhancements, a design change was under review to restrain the tank to prevent potential impact on the purge line isolation valve	The risk of a release due to external events was small as stated in the TMI IPEEE. A restrained was designed and install for PP-T-1A.	August 27, 1996

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
FS-P-1	Improvement: The diesel driven fire pumps (FS-P-1) were found to be susceptible to earthquake damage due to inadequate restraints on their batteries and fuel oil Tanks. The components were assumed to fail in the TMI IPEEE model.	As a possible plant enhancements, review the supports for the fuel oil tanks and batteries for the diesel driven fire pumps for possible modification.	Review concluded that these components are not major contributors to the seismic core damage frequency (<1% CDF). The motor driven fire pump will be available after the majority of seismic events. At present, there are no plans to upgrade these components.	February 12, 1996
DC-C-2A & DC-C-2B	Improvement: Decay heat service heat exchangers, DC-C-2A\2B are considered to be a contributor to the calculated seismic core damage frequency (CDF) due to the fragility of the heat exchanger restraints as stated in the TMI IPEEE.	As a possible plant enhancements, review seismic restraints / anchorage of the decay heat service heat exchangers, DC-C-2A\2B, for possible modification.	Review concluded the heat exchangers contribute to approximately 2% of the seismic CDF and the modification would be a substantial cost and produce an obstruction to maintenance on the heat exchangers. At present, there are no plans to upgrade these components.	February 12, 1996

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
DG-1A/1B Air Receivers	Improvement: The supports for diesel generators' air receivers are considered to be a contributor to the calculated seismic core damage frequency (CDF). This fragility contributes to the failure of the Class 1E AC power system when offsite power is not available as stated in the TMI IPEEE.	As a possible plant enhancements, review the supports of the Class 1E emergency diesel generators' air receivers for possible modification to anchor the air receiver pedestals to the floor.	A restrained was designed and install for DG-1A/1B Air receivers.	June 28, 1996

* IPEEE "Vulnerability" = Vulnerability, Outlier, Anomaly, Enhancement, Finding, etc...
** If this is different than the original planned, else N/A

Enclosure 2

SUMMARY OF REGULATORY COMMITMENTS

The following table identifies commitments made in this document. (Any other actions discussed in the submittal represent intended or planned actions. They are described to the NRC for the NRC's information and are not regulatory commitments.)

COMMITMENT	COMMITTED DATE OR "OUTAGE"	COMMITMENT TYPE	
		ONE-TIME ACTION (Yes/No)	PROGRAMMATIC (Yes/No)
1. Exelon Generation Company, LLC (EGC) will complete the walkdown of the fifteen (15) TMI Unit 1 items deferred due to inaccessibility identified in Table E-1.	T1R21 Fall 2015	Yes	No
2. EGC will complete the fifteen (15) remaining supplemental inspections of TMI Unit 1 electrical items as identified in Table E-2.	T1R20 Fall 2013	Yes	No