C Seismic Walkdown Checklists (SWCs)

Table C-1 provides a description of each item, anchorage verification confirmation, a list of Area Walk-By Checklists associated with each item, comments, and page numbers of each Seismic Walkdown Checklist.

ID	Description	Anchorage Configuration Confirmed?		Comments	Page
1B	ENGINEERED SAFEGUARDS CABINET 1B	Y	Ву 20		C- 7
1B DG CNPL	DIESEL GEN 1B - ENGINE CONTROL RELAY PANEL	N	36	Deferred - risk management	
1B-480V-ES	480V ENGINEERED SAFEGUARDS MCC 1B	N	18	Deferred for anchorage inspection	
1B-480V-ESF	1B-480V-ESF VENT BUILDING MCC	Ŷ	9		C- 10
1B-480V-ESV	1B ENGINEERED SAFEGUARDS VALVES & HEATING CONTROL CENTR	N	10	Deferred to bus outage for anchorage inspection	
1B-480V-SHES	480V SCREEN HOUSE ENGINEERED SAFEGUARDS MCC 1B	N	29	Deferred to bus outage for anchorage inspection	
1E-4160V-ES	4160V ENGINEERED SAFEGUARDS BUS 1E	N	21	Deferred to bus outage for anchorage inspection	
1F-DC	125/250V DC ES DIST PANEL 1F	N	24	Deferred - risk management	
1Q-DC	125/250VDC DIST PANEL FOR EDG 1B	N	36	Deferred - risk management	
1S-480V-ES SWGR	480V ENGINEERED SAFEGUARDS BUS 1S	N	18	Deferred for anchorage inspection	
1S-480V-ES XFMR	1S 480V ES SWGR 4160/480V XFMR	N	18	Deferred for anchorage inspection	
1T-480V-SHES	480V ENGINEERED SAFEGUARDS SCREEN HOUSE BUS 1T	N	29	Deferred to bus outage for anchorage inspection	
1T-480V-SHES- XFMR	1T 480V SCREEN HOUSE ES SWGR 4160/480V XFMR	N	29	Deferred to bus outage for anchorage inspection	
3В	ESAS ACTUATION CABINET 3B	Y	20		C- 13
4B	ESAS ACTUATION CABINET 4B	Y	20		C- 16
5B	ESAS ACTUATION CABINET 5B	Y	20		C- 19
AH-C-0004B	CONTROL BUILDING CHILLER	Y	17		C- 23
AH-E-0008A	SPENT FUEL PUMP ROOM A FAN	Y	33		C- 26
AH-E-0015B	AUX BLDG- AIR HANDLING UNITS FOR NSCCW & DH PUMPS	Y	12		C- 29

Table C-1. Summary of Seismic Walkdown Checklists

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ID	Description	Anchorage Configuration Confirmed?	Area Walk- By	Comments	Page
AH-E-0024B	EMERG FEED PUMP COOLER FAN	N	7		C- 32
AH-E-18B	CONTROL BUILDING EMERG B SUPPLY FAN	N	25		C- 35
AH-E-19B	CONTROL BUILDING B RETURN AIR FAN	N	26		C- 38
AH-E-1B	REACTOR BLDG COOLING FAN	Y	40		C- 41
AH-E-95B	CONTROL BUILDING 2ND FLOOR B BOOSTER FAN	Y	18		C- 45
BS-PS-0933	RB PRESSURE SWITCH FOR ESAS ACTUATION	Y	13		C- 48
сс	CONTROL RM CONSOLE CENTER CONTROL PANEL	N	19	Deferred - risk management	
CO-LT-1061	CONDENSATE STORAGE TANK A LEVEL TRANSMITTER	Y	4		C- 51
CO-LT-1062	CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	Y	4		C- 54
CO-LT-1063	CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	Y	4		C- 57
CO-T-0001B	CONDENSATE STORAGE TANK 1B	Y	8		C- 60
CO-V-0010B	CONDENSATE TANK B ISOL	N/A	8		C- 64
CRD-CB-1D	CRD CIRCUIT BREAKER 1D	Y	27		C- 67
DF-FI-1151	EDG/FUEL OIL/DF-P-1C/1D TO DF-T-2B FLOW INDICATOR	N/A	37		C- 70
DF-LI-J500B	EDG/FUEL OIL/DF-T-2B LEVEL INDICATOR	N/A	37		C- 73
DF-P-0001B	EDG FUEL OIL/DIESEL FUEL TRANSFER PUMP B (DC)	Y	38		C- 76
DF-T-0002B	EDG FUEL OIL/EG-Y-1B DAY TANK	Y	37		C- 79
DH-T-0001	BWST	N	8	Deferred - risk management	
DH-V-0005B	BWST TO DH PUMPS	N/A	15		C- 82
DR-P-1B	DECAY HEAT RIVER PMP	Y	28		C- 85
DR-S-1B	DECAY RIVER STRAINER	Y	28		C- 88
EED-B-1B	250V DC STATION BATTERY	Y	22		C- 91
EED-BC-1B	BATTERY CHARGER 1B	Y	24		C- 94

ID	Description	Anchorage Configuration Confirmed?	Area Walk- By	Comments	Pag
EED-BC-1D	BATTERY CHARGER 1D	Y	24		C- 97
EED-BC-1F	BATTERY CHARGER 1F	Y	24		C- 10
EED-PNL-1B	125/250V DC DIST PANEL 1B	N	24	Deferred - risk management	
EE-INV-1B	INVERTER 1B ELEL6	Y	24		C- 10
EE-INV-1F	1F INVERTER	Y	24		C- 10
EE-PNL-VBB	VBB 120 VAC PANEL	Y	24		C- 1
EF-FT-0782	EFW TO B OTSG FLOW TRANSMITTER	Y	6		C- 1
EF-P-0001	STEAM DRIVEN EMERGENCY FEED PUMP	Y	5		C- 1
EF-P-0002B	EMERGENCY FEED PUMP B	Y	6		C- 1
EF-V-0001B	EFW PUMPS SUCTION CROSS CONNECT VALVE	N/A	5		C- 1
EF-V-0004	EMERG RIVER WATER TO EFW	N/A	4		C- 1
EF-V-0030B	EFW TO OTSG B FLOW CTRL VALVE	N/A	6		C- 1
EG-C-2D	EDG B AIR COOLER B RADIATOR	Y	35		C- 1
EG-C-3B	EDG B AIR COOLER A RADIATOR	Y	35		C- 1
EG-P-0001B	EDG LUBE OIL & STARTING AIR/AIR COMPRESSOR	Y	37		C- 1
EG-T-0001B-1	EDG 1B AIR START 1 RESERVOIR	Y	37		C- 1
EG-T-0001B-2	EDG 1B AIR START 2 RESERVOIR TANK	Y	37		C- 1
EG-Y-0001B	EMERGENCY DIESEL GENERATOR 1B	Y	37		C- 1
HSPS-CH-2	HSPS CHANNEL 2	Y	27		C- 1
IA-T-0007B	2 HR AIR BOTTLE TO "B" TRAIN	Y	37		C- 1
IA-T-0019	AIR ACCUMULATOR FOR FW-V-16B/17B	Y	1		C- 1
MS-PT-1184	OTSG "B" STEAM PRESSURE TRANSMITTER	Y	39		C- 1
MS-V-0001C	CONT ISOL B OTSG MS ISOL VALVE	Y	44		C- 1
MS-V-0002B	CONT ISOL B OTSG ISOL TO ATMOS	N/A	5		C- 1
MS-V-0004B	ATMOSPHERIC DUMP VALVE FOR 'B' OTSG	N/A	5		C- 1
MU-FT-1127	HPI THRU MU-V-16B FLOW TRANSMITTER	Y	15		C- 1

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ID	Description	Anchorage Configuration Confirmed?	Area Walk- By	Comments	Page
MU-FT-1128	HPI THRU MU-V-16C FLOW TRANSMITTER	Y	13		C- 174
MU-FT-1129	HPI THROUGH MU-V-16D FLOW TRANSMITTER	Y	31		C- 177
MU-P-0001B	MAKEUP PUMP 1B	Y	14		C- 180
MU-V-0003	CONTAINMENT ISOL LD COOLER ISOL VLV	N/A	15		C- 183
NR-P-0001B	NUC SVC COOL RIVER WATER 'B' PUMP	Y	28		C- 186
NR-V-0001B	NUC PUMP RIVER PUMP B DISCH VLV	N/A	28		C- 189
NR-V-0004B	DEICING MU VALVE B	N/A	16		C- 192
NS-C-0001B	NUCLEAR SERVICES CLOSED COOLING WATER HEAT EXCHANGER 1B	Y	16		C- 195
NS-P-0001B	NUC SVC CLOSED COOLING WATER 'B' PUMP	Y	11		C- 198
NS-V-0052B	CONTAINMENT ISOL AH-E- 1B MTR COOLER SUPPLY	N	3		C- 201
NS-V-0053B	CONTAINMENT ISOL AH-E- 1B MTR COOLER RETURN	N	3		C- 204
NS-V-0054B	SPENT FUEL POOL PUMP ROOM COOLING COIL FLOW CONTROL VLV	N/A	33		C- 207
RC-RV-0002	PILOT OPERATED RELIEF VALVE (PORV)	N/A	42		C- 210
RC-V-0002	PORV BLOCK VALVE	N/A	42		C- 213
RR-P-0001B	RB EMERG COOL RIVER WTR 'B' PUMP	Y	29		C- 216
RR-S-0001B	RB EMERG CLNG RIVER WTR 'B' STRAINER	Y	29		C- 219
RR-S-1B	RR-S-1B CONTROL PANEL	N	29		C- 222
RR-V-0003A	CONTAINMENT ISOL RBEC COIL 'A' INLET VLV.	N/A	2		C- 225
RR-V-0005	RR-V-6 RB COOL COIL DISCH BYPASS	N/A	3		C- 228
RR-V-0006	RB EMERG. COOL COIL BACK PRESSURE REGULATOR	N/A	3		C- 231
SF2-DPT	SF-P-2 FLOW TRANSMITTER	Y	30	SWEL 2	C- 234
SF9-DPT-1	B SF POOL COOLING WATER FLOW XMTR	Y	34	SWEL 2	C- 237
SF9-DPT-2	A SF POOL COOLING WATER FLOW XMTR	Y	34	SWEL 2	C- 240
SF-C-1B	B SPENT FUEL COOLER	Y	33	SWEL 2	C- 243

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ID	Description	Anchorage Configuration Confirmed?	Area Walk- By	Comments	Page
SF-P-1B	"B" SPENT FUEL COOLING PUMP	Y	33	SWEL 2	C- 246
SF-P-1B-BK	1B ES MCC UNIT 6A	N	20	SWEL 2, deferred due to Risk Management	
SF-V-14	SF-P1B DISCH ISOL VLV TO B SF POOL	N/A	33	SWEL 2	C- 249
SF-V-15	SF-P1B DISCH ISOL VLV TO A SF POOL	N/A	33	SWEL 2	C- 252
SF-V-16	SF-P1B DISCH ISOL VALVE TO FTC	N/A	33	SWEL 2	C- 255
SF-V-37	SF-P2 SUCT VLV FROM FUEL POOL A & B	N/A	32	SWEL 2	C- 258
SF-V-38	A SF POOL DRAIN ISOL VALVE	N/A	30	SWEL 2	C- 261
SF-V-4	SF-P1B SUCT ISOL VLV FROM B SF POOL	N/A	33	SWEL 2	C- 264
SF-V-48	A SF POOL SIPHON BREAKER ISOL VALVE	N/A	32	SWEL 2	C- 267
SF-V-5	SF-P1B SUCT ISOL VLV FROM A SF POOL	N/A	33	SWEL 2	C- 270
SF-V-6	SF-P1B SUCT ISOL VLV FROM FTC	N/A	33	SWEL 2	C- 273
TRB	120V REG AC INSTR. POWER TRB	Y	24		C- 276
VBD	120V VITAL INST DIST PANEL 1D	Y	24		C- 279
XCLA	XCLA RELAY PANEL	Y	23		C- 282

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Seismic Walkdown Checklist (SWC)	YNU
Equipment ID No.: 1B	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: ENGINEERED SAFEGUARDS CABINET 1B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET ROOM	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment of SWEL. The space below each of the following questions may be used to record the results of judgmer findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
1. Is anchorage configuration verification required (i.e., is the item one of the 50%	Yes
of SWEL items requiring such verification)?	
2. In the each energy free of best burlies, missing enlages benchuses	Maa
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	J
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
A latte and search from a finite in the second state of the second second second second second	Maa
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
computation vehication is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	162

Seism	ic Walkdown Checklist (SWC)		Status: Y N U
	Equipment ID No.: 1B		
	Equipment Class: (20) Instrun	nentation and Control Panels and Cabinets	
	Equipment Description: ENGINEER	RED SAFEGUARDS CABINET 1B	
Intera	ction Effects		
7.	Are soft targets free from impact by	nearby equipment or structures?	Yes
8.	Are overhead equipment, distributio masonry block walls not likely to col	n systems, ceiling tiles and lighting, and lapse onto the equipment?	Yes
	······································		
9.	Do attached lines have adequate fle	xibility to avoid damage?	Yes
10.	Based on the above seismic interac potentially adverse seismic interacti	tion evaluations, is equipment free of	Yes
	potentiany adverse seismic interacti		
Other	Adverse Conditions		
	Have you looked for and found no a		Yes
	adversely affect the safety functions	of the equipment?	

<u>Comments</u>

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-1B, Rev 000

Rigid conduits on top of cabinet exhibit enough relative flexibility to preclude any adverse seismic interaction.

Seismic Walkdov	vn Checklist	(SWC)		Status: Y N U
Equipr	ment ID No.:	1B		
Equip	ment Class:	(20) Instrumentation and Control Panels and Ca	abinets	
Equipment	Description:	ENGINEERED SAFEGUARDS CABINET 1B		
Evaluated by:	Man	S Elver Mark S. Etre	Date:	10/24/2012
	So	Ber Seth W. Baker	_	10/24/2012

Photos



Status: Y]N U
Equipment ID No.: 1B-480V-ESF	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 1B-480V-ESF VENT BUILDING MCC	
Project: TMI SWEL	<u> </u>
Location (Bldg, Elev, Room/Area):AB, 305.00 ft, 9 : NEAR RW PNL	
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
 Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
Jeisin		
	Equipment ID No.: 1B-480V-ESF	
	Equipment Class: (1) Motor Control Centers	
	Equipment Description: 1B-480V-ESF VENT BUILDING MCC	
		·
	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and	Yes
	masonry block walls not likely to collapse onto the equipment?	
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
9.	Do attached lines have adequate nexibility to avoid damage?	105
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other	Adverse Conditions	
<u>omer</u> 11.	Have you looked for and found no adverse seismic conditions that could	Yes
	adversely affect the safety functions of the equipment?	

Comments

Equipment was verified to be in accordance with Seismic Qualification SQ-T1-1B-480V-ESF Rev 000

This equipment has External Welds

Seismic Walkdown Checklis	: (SWC)	Status: Y N U
Equipment ID No.:	1B-480V-ESF	
Equipment Class:	(1) Motor Control Centers	
Equipment Description:	1B-480V-ESF VENT BUILDING MCC	
Evaluated by:	Mark S. Etre Mark S. Etre Seth W. Baker	Date: 10/24/2012 10/24/2012
Photos NSR		



100_3744

Status: Seismic Walkdown Checklist (SWC)	YNU
Equipment ID No.: 3B	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: ESAS ACTUATION CABINET 3B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment SWEL. The space below each of the following questions may be used to record the results of judgme findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
of SVVEL items requiring such vernication)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	103
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
	N
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Yes
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

Status: Y N U

Seismic Walkdown Checklist (S

Equipment ID No.:	3B
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	ESAS ACTUATION CABINET 3B

Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-3B, Rev 000

Unistrut support behind cabinet is within 3" of cabinet, however, the cabinet is rigid enough to preclude any interaction.

Seismic Walkdov	wn Checklist	(SWC)		Status: Y N U
Equip	ment ID No.:	3B		
Equipment Class: (20) Instrumentation and Control Panels and Cabine				
Equipment	Description:	ESAS ACTUATION CABINET 3B		
Evaluated by:	Man	S Elized Mark S. Etre	Date:	10/24/2012
	Sa	Bun Seth W. Baker		10/24/2012

Photos



Status: 🗋	YNU
Equipment ID No.: 4B	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: ESAS ACTUATION CABINET 4B	<u> </u>
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment or SWEL. The space below each of the following questions may be used to record the results of judgment findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
1. Is anchorage configuration verification required (i.e., is the item one of the 50%	Yes
of SWEL items requiring such verification)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
·	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage	103
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

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Seismic Walkdown Checklis	t (SWC)	Status: Y N U
	.(0110)	
Equipment ID No.:	4B	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	ESAS ACTUATION CABINET 4B	
Interaction Effects		
7. Are soft targets free free	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme	ent, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls n	ot likely to collapse onto the equipment?	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of	Yes
potentially adverse set	ismic interaction effects?	
Other Adverse Conditions	· · ·	
	nd found no adverse seismic conditions that could	Yes
	afety functions of the equipment?	103

<u>Comments</u>

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Rigid conduits on top of cabinet exhibit enough relative flexibility to preclude any adverse seismic interaction.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-4B, Rev 000

Seismic Walkdov	wn Checklist	(SWC)			Status: Y N U
Equip	ment ID No.:	4B			
Equip	oment Class:	(20) Instrun	nentation and Control Panels	and Cabinets	
Equipment	Description:	ESAS ACT	UATION CABINET 4B		
Evaluated by:	Man	& Elve	Mark S. Etre	Date:	10/24/2012
	Sa	nB	Seth W. Baker		10/24/2012

Photos



Status: Υ N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 5B Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: ESAS ACTUATION CABINET 5B Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 20 : ESAS CABINET AREA Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:		
	Equipment Class:		
	Equipment Description:	ESAS ACTUATION CABINET 5B	
	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	Are overhead equipme	nt, distribution systems, ceiling tiles and lighting, and	Yes
0.		it likely to collapse onto the equipment?	165
0	De attacked lines have	edenuste flevikilityte evoid demons 0	Var
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se	ismic interaction evaluations, is equipment free of	Yes
		smic interaction effects?	
	Advorce Conditions		
<u>Otner</u> 11.	Adverse Conditions	d found no adverse seismic conditions that could	Yes
11.		fety functions of the equipment?	165

Comments

Overhead light in front of cabinet needs S-Hook to be crimped. Not a seismic interaction issue. This issue was generically addressed by IR 1401692.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-5B, Rev 000

Seismic Walkdov	wn Checklist	(SWC)		Status: Y N U
Equip	ment ID No.:	5B		
Equipment Class:		(20) Instrumentation and Control Panels an	nd Cabinets	
Equipment	Description:	ESAS ACTUATION CABINET 5B		
Evaluated by:	Man	S Elized Mark S. Etre	Date:	10/24/2012
	So	Bur Seth W. Baker		10/24/2012

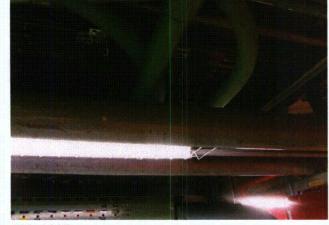
Photos



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	5B
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	ESAS ACTUATION CABINET 5B



100_3637

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: AH-C-0004B	
Equipment Class: (11) Chillers	
Equipment Description: CONTROL BUILDING CHILLER	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 285.00 ft, 17 : CB CHILLER ROOM	
Manufacturer/Model:	· ,
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment o SWEL. The space below each of the following questions may be used to record the results of judgment findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	۰.
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	AH-C-0004B	
	Equipment Class:	(11) Chillers	
	Equipment Description:	CONTROL BUILDING CHILLER	
	ction Effects	i att a start a	
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, and	Yes
	masonry block walls no	t likely to collapse onto the equipment?	
0	De attached lines have	edequete flevikility to evoid demogra	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	tes
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
	potentially adverse set		
Other	Adverse Conditions		
		d found no adverse seismic conditions that could	Yes
	-	fety functions of the equipment?	

Comments

S-hook on overhead light between the two chillers needs to be crimped. Not a seismic interaction issue. This is being tracked under IR 01401692

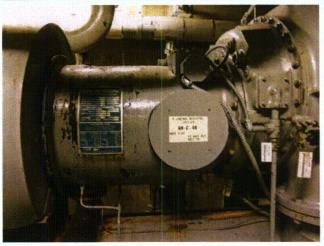
Fire protection piping in non-seismic, however, it is seismically supported consistant with NFPA-13.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-AH-C-0004B, Rev 001

. . ..

				Status: Y N U
Seismic Walkdow	n Checklist	(SWC)		
Equipm	ent ID No.:	AH-C-0004B		
Equipr	nent Class:	(11) Chillers		
Equipment [Description:	CONTROL BUILDING CHILLER		
Evaluated by:	Man	S Elect Mark S. Etre	Date:	10/24/2012
	So	Bur Seth W. Baker		10/24/2012

Photos





100_3668



100_3669

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment Class: (9) Fans Equipment Description: SPENT FUEL PUMP ROOM A FAN Project: TMI SWEL Location (Bldg, Elev, Room/Area): FB, 305.00 ft, 33 : ABOVE SPENT FUEL POOL Manufacturer/Model: Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage n anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 1. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 5. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of yes potentially adverse seismic conditions? Yes	Equipment ID No.: _AH-E-0008A	
Project: TMI SWEL Location (Bldg, Elev, Room/Area): FB, 305.00 ft, 33 : ABOVE SPENT FUEL POOL Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	Equipment Class: (9) Fans	
Location (Bldg, Elev, Room/Area): FB, 305.00 ft, 33 : ABOVE SPENT FUEL POOL Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes	Equipment Description: SPENT FUEL PUMP ROOM A FAN	
Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration is required.) Yes	Project: TMI SWEL	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage • 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes	Location (Bldg, Elev, Room/Area): FB, 305.00 ft, 33 : ABOVE SPENT FUEL POOL	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Antername Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware? Is the anchorage free of corrosion that is more than mild surface oxidation? Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	Manufacturer/Model:	
SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware? Yes Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	Instructions for Completing Checklist	
1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	SWEL. The space below each of the following questions may be used to record the results of judgments	
of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	Anchorage	
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	• •	Yes
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 		
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 		
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	5 Is the anchorage configuration consistent with plant documentation? (Note:	Voc
 Based on the above anchorage evaluations, is the anchorage free of Yes 	This question only applies if the item is one of the 50% for which an anchorage	163
	configuration verification is required.)	
		Yes

			Status: Y N U
Seisi	mic Walkdown Checklist	(SWC)	
	Equipment ID No.:	AH-E-0008A	
	Equipment Class:	(9) Fans	
	Equipment Description:	SPENT FUEL PUMP ROOM A FAN	
	action Effects		No.
1	. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8		nt, distribution systems, ceiling tiles and lighting, and it likely to collapse onto the equipment?	Yes
9	. Do attached lines have	adequate flexibility to avoid damage?	Yes
10		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
	potentially adverse set		
Othe	r Adverse Conditions		
11	. Have you looked for an	d found no adverse seismic conditions that could	Yes
	adversely affect the sa	fety functions of the equipment?	

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-AH-E-0008A, Rev 000

Able to verify anchorage from floor elevation. The only spring can that could not be verified was the one adjacent to the wall.

Seismic Walkdov	wn Checklist	(SWC)		Status: Y N U
Seisinic Walkuo	WII GHECKIISI	(3110)		
Equip	ment ID No.:	AH-E-0008A		
Equip	oment Class:	(9) Fans		
Equipment	Description:	SPENT FUEL PUMP ROOM A FAN		
Evaluated by:	Marl	S Elver Mark S. Etre	Date:	10/24/2012
	So	Bur Seth W. Baker		10/24/2012

Photos



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Seismic Walkdown Checklist (Status: [YNU
Equipment ID No.:		
Equipment Class:		
	AUX BLDG- AIR HANDLING UNITS FOR NSCCW & DH PUMPS	
Projec		
Location (Bldg, Elev, Room/Area		
Manufacturer/Mode		
Instructions for Completing Ch	necklist	
SWEL. The space below each o	ocument the results of the Seismic Walkdown of an item of equipment of the following questions may be used to record the results of judgme vided at the end of this checklist for documenting other comments.	
Anchorage		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% such verification)?	Yes
2. Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	visible cracks in the concrete near the anchors?	Yes
	uration consistent with plant documentation? (Note: es if the item is one of the 50% for which an anchorage n is required.)	Yes
Based on the above anc potentially adverse seisn	chorage evaluations, is the anchorage free of mic conditions?	Yes

		Status: Y N U
Seismic Walkdown Checklist	t (SWC)	
Equipment ID No.:	AH-E-0015B	
Equipment Class:	(10) Air Handlers	
Equipment Description:	AUX BLDG- AIR HANDLING UNITS FOR NSCCW &	DH PUMPS
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
• •	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
•	nd found no adverse seismic conditions that could afety functions of the equipment?	Yes
<u>Comments</u>		
Equipment was verified to be in	n accordance with Seismic Qualification SQ-T1-AH-E-C	0015B Rev 000
Evaluated by:	A Ever Mark S. Etre Dat	e: 10/24/2012

Evaluated by:

Mark S. Etre on Bur Seth W. Baker

10/24/2012

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01.1	N	1	
Status:	Y		

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	AH-E-0015B	
Equipment Class:	(10) Air Handlers	
Equipment Description:	AUX BLDG- AIR HANDLING UNITS FOR NSCCW & DH PUMPS	

Photos





100_3804

100_3806

Status: Y	N	U
Seisinic Walkuowii Checklist (SWC)		
Equipment ID No.: AH-E-0024B		
Equipment Class: (9) Fans		
Equipment Description: EMERG FEED PUMP COOLER FAN		
Project: TMI SWEL		
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 7 : N ABOVE IA-P-1A		
Manufacturer/Model:		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.		
Anchorage		
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	1	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y	es
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y	es
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y	es
 Is the anchorage configuration consistent with plant documentation? (Note: Not Ap This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	plicat	ble
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y	'es

Seismic Walkdown Checklist (S	WC)	Status: Y N U
Equipment ID No.: A	H-E-0024B	
) Fans	
	MERG FEED PUMP COOLER FAN	
Interaction Effects		
	mpact by nearby equipment or structures?	Yes
•••	distribution systems, ceiling tiles and lighting, and kely to collapse onto the equipment?	Yes
9. Do attached lines have ad	equate flexibility to avoid damage?	Yes
10. Based on the above seisn potentially adverse seismi	nic interaction evaluations, is equipment free of c interaction effects?	Yes
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·	
•	ound no adverse seismic conditions that could functions of the equipment?	Yes
<u>Comments</u> Based on inspection from floor lev	el, could not access the ceiling. ccordance with Seismic Qualification No. SQ-T1-AH-	5 000 4D D 000

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	(0)((0)		Status: Y N U
Seismic Walkdown Checklist	(SWC)		
Equipment ID No.:	AH-E-0024B		
Equipment Class:	(9) Fans		
Equipment Description:	EMERG FEED PUMP COOLER FAN		
Man	S Eline	Data	10/24/2012
Evaluated by:	Mark S. Etre	Date.	10/24/2012
Son	Seth W. Baker		10/24/2012

Photos





IMG_1122



IMG_1131

IMG_1123

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: AH-E-18B	
Equipment Class: (9) Fans	
Equipment Description: CONTROL BUILDING EMERG B SUPPLY FAN	
Project: TMI SWEL CB, 380.00 ft, 25 : 5TH FLOOR CONTROL TOWER (B) F Location (Bldg, Elev, Room/Area): T ROOM	
Manufacturer/Model:	
Instructions for Completing Checklist	· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	No
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No

Seismic Walkdown Checklist (SWC)		Status:	YNU
Equipment ID No.: A	H-E-18B		
Equipment Class: (9) Fans		· · · · ·
Equipment Description: C	ONTROL BUILDING EMERG B SUPPLY FAN		
Interaction Effects			
7. Are soft targets free from	impact by nearby equipment or structures?		Yes
•••	distribution systems, ceiling tiles and lighting, and kely to collapse onto the equipment?		Yes
9. Do attached lines have ac	lequate flexibility to avoid damage?		Yes
10. Based on the above seisn potentially adverse seism	nic interaction evaluations, is equipment free of c interaction effects?		Yes
Other Adverse Conditions			
-	ound no adverse seismic conditions that could / functions of the equipment?		Yes

Comments

Fan was found with 4 of 6 anchor bolts missing. Based on the low floor response and the relatively light weight of the fan assembly, the remaining bolts were sufficient to restrain the equipment. The Shift Manager was notified and the missing anchorage was immediately installed under IR 1400723.

					Status:	YNU
Seismic Walkdov	wn Checklist	(SWC)				
Equip	ment ID No.:	AH-E-18B				
Equip	ment Class:	(9) Fans				
Equipment	Description:	CONTROL	BUILDING EMERG B SUPF	PLY FAN		
Evaluated by:	Man	S Eline	Mark S. Etre	Date:	10/24/2012	
Evaluated by.	No	TR	Seth W. Baker	Date:		
		Ch	Setti VV. Baker		10/24/2012	

Photos





100_3175

100_3177



100_3178



Seismic Walkdown Checklist (SWC)

Equipment ID No.:	AH-E-19B	
Equipment Class:	(9) Fans	
Equipment Description:	CONTROL BUILDING B RETURN AIR FAN	
Projec	t: TMI SWEL	
Location (Bldg, Elev, Room/Area	CB, 380.00 ft, 26 : CONTROL BUILDING, 5TH FLOOR, "): ROOM	B" EQUIPME NT
Manufacturer/Mode	l:	·
Instructions for Completing Ch		
SWEL. The space below each o	cument the results of the Seismic Walkdown of an item of equ f the following questions may be used to record the results of vided at the end of this checklist for documenting other comm	judgments and
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% such verification)?	No
2. Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	visible cracks in the concrete near the anchors?	Yes
	ration consistent with plant documentation? (Note: as if the item is one of the 50% for which an anchorage is required.)	Not Applicable
Based on the above anc potentially adverse seisn	horage evaluations, is the anchorage free of nic conditions?	Yes

Equipment ID No: AH-E-19B Equipment Class: (9) Fans Equipment Description: CONTROL BUILDING B RETURN AIR FAN Interaction Effects Yes 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012 Math W. Baker 10/24/2012 Math W. Baker 10/24/2012	Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment Description: CONTROL BUILDING B RETURN AIR FAN Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions 11. Have you toked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Image: Mark S. Etre Date: 10/24/2012	Equipment ID No.: AH-E-19B	
Interaction Effects Yes 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Mark S. Etre Date: 10/24/2012	Equipment Class: (9) Fans	
7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012	Equipment Description: CONTROL BUILDING B RETURN AIR FAN	
7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012		
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012	Interaction Effects	
masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012	7. Are soft targets free from impact by nearby equipment or structures?	Yes
masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions Yes 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions 1 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012		Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes Other Adverse Conditions 1 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Date: 10/24/2012 Evaluated by: Mark S. Etre Date: 10/24/2012		
potentially adverse seismic interaction effects? Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012	9. Do attached lines have adequate flexibility to avoid damage?	Yes
potentially adverse seismic interaction effects? Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012		
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012		Yes
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012		
adversely affect the safety functions of the equipment? Comments See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012	Other Adverse Conditions	
See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012	•	Yes
See Drawing 4W-66468 Sheet 14 dated 8-5-68 Evaluated by: Mark S. Etre Date: 10/24/2012		
Evaluated by: Mark S. Etre Date: 10/24/2012 Mark S. Etre Date: 10/24/2012 JundBurg Seth W. Baker		
Evaluated by: Mark S. Etre Date: 10/24/2012	Man/ S Elis	10/04/0010
Seth W. Baker 10/24/2012	Evaluated by: Mark S. Etre Date:	
	Seth W. Baker	10/24/2012

.

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	AH-E-19B	
Equipment Class:	(9) Fans	
Equipment Description:	CONTROL BUILDING B RETURN AIR FAN	



Seismic Walkdown Checklist (SWC)

Equipment ID No.	1-E-1B	
Equipment Class: (9)) Fans	
Equipment Description: R	EACTOR BLDG COOLING FAN	
Project:	TMI SWEL	
Location (Bldg, Elev, Room/Area):	RB, 305.00 ft, 40 : RB BASEMENT AT AH-E-1B	
Manufacturer/Model:		
Instructions for Completing Che	cklist	
SWEL. The space below each of t	iment the results of the Seismic Walkdown of an item of equipment on the following questions may be used to record the results of judgments a ded at the end of this checklist for documenting other comments.	
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring su 	verification required (i.e., is the item one of the 50% uch verification)?	Yes
2. Is the anchorage free of be	ent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of co	prrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Yes
	tion consistent with plant documentation? (Note:	Yes
configuration verification is	if the item is one of the 50% for which an anchorage required.)	
6. Based on the above ancho	brage evaluations, is the anchorage free of	Yes
potentially adverse seismic		

	12Q0108.70-R-001 Rev. 1
	Correspondence No.: RS-12-175
Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: AH-E-1B	
Equipment Class: (9) Fans	
Equipment Description: REACTOR BLDG COOLING FAN	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, a	nd Yes
masonry block walls not likely to collapse onto the equipment?	nu res
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of	Yes
potentially adverse seismic interaction effects?	
Other Adverse Conditions	N/
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	

See SQ-T1-AH-E-0001B Rev 0

Only Outside Support was inspected. Inside equipment (e.g. fan) was inaccessible.

. . ..

Seismic Walkdov	wn Checklist	(SWC)		Status: Y N U
Equip	ment ID No.:	AH-E-1B		
Equip	oment Class:	(9) Fans		
Equipment	Description:	REACTOR BLDG COOLING FAN		
	Man	S Ener		
Evaluated by:	ingenty	Mark S. Etre	Date:	10/24/2012
	Juan	Any		
	Q.	Juan A. López		10/9/12





Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	AH-E-1B	
Equipment Class:	(9) Fans	
Equipment Description:	REACTOR BLDG COOLING FAN	
100_4138		

Seismic Walkdown Checklist (SWC)

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Equipment ID No.: AH-E-95B	
Equipment Class: (9) Fans	
Equipment Description: CONTROL BUILDING 2ND F	LOOR B BOOSTER FAN
Project: TMI SWEL CB, 322.00 ft, 18 : 322' Co Location (Bldg, Elev, Room/Area): SWITCHGEAR.	ONTROL BUILDING 10' ABOVE 1S 480V
Manufacturer/Model:	·
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seis SWEL. The space below each of the following questions may findings. Additional space is provided at the end of this checkling	be used to record the results of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is of SWEL items requiring such verification)? 	the item one of the 50% Yes
·	
2. Is the anchorage free of bent, broken, missing or loose	e hardware? Yes
3. Is the anchorage free of corrosion that is more than m	ild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete	near the anchors? Yes
5. Is the anchorage configuration consistent with plant do This question only applies if the item is one of the 50% configuration verification is required.)	
6. Based on the above anchorage evaluations, is the and potentially adverse seismic conditions?	chorage free of Yes

			Status: Y N	υ
Seismi	ic Walkdown Checklist	(SWC)		
	Equipment ID No.:	AH-E-95B		
	Equipment Class:	(9) Fans		
	Equipment Description:	CONTROL BUILDING 2ND FLOOR B BOOSTER FAN		
	tion Effects			
. 7.	Are soft targets free fro	m impact by nearby equipment or structures?	Ye	S
8.		nt, distribution systems, ceiling tiles and lighting, and tikely to collapse onto the equipment?	Ye	S
9.	Do attached lines have	adequate flexibility to avoid damage?	Ye	S
10.		ismic interaction evaluations, is equipment free of	Ye	S
	potentially adverse set	smic interaction effects?		
Other	Adverse Conditions			
11.	•	d found no adverse seismic conditions that could	. Ye	S:
	adversely affect the sa	fety functions of the equipment?		

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-826-001, Rev 000

Evaluated by:	Man S End Mark S. Etre	Date:	10/24/2012	
	SonBen Seth W. Baker		10/24/2012	

. . ..

Seismic Walkdown Checklist		Status: Y] N	U
Equipment ID No.:	AH-E-95B			
Equipment Class:	(9) Fans			
Equipment Description:	CONTROL BUILDING 2ND FLOOR B BOOSTER FAN			

Photos



100_3420

Seismic Walkdown Checklist (SWC)

ŧ.

	Equipment ID No.: BS	-PS-0933	
	Equipment Class: (20)) Instrumentation and Control Panels and Cabinets	
[Equipment Description: RE	PRESSURE SWITCH FOR ESAS ACTUATION	
	Project:	TMI SWEL	
Locatio	on (Bldg, Elev, Room/Area):	AB, 305.00 ft, 13 : ON RB WALL ABOVE IC-F-1A	
	Manufacturer/Model:		_
instruc	ctions for Completing Cheo	klist	
SWEL.	The space below each of the	ment the results of the Seismic Walkdown of an item of equipment ne following questions may be used to record the results of judgm ed at the end of this checklist for documenting other comments.	
Ancho	rage	·	
<u>,</u> 1.	Is anchorage configuration of SWEL items requiring su	verification required (i.e., is the item one of the 50% ch verification)?	Yes
2.	Is the anchorage free of be	nt, broken, missing or loose hardware?	Yes
3.	Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free of vis	ible cracks in the concrete near the anchors?	Yes
	•		
			N/
5.	This question only applies	tion consistent with plant documentation? (Note: f the item is one of the 50% for which an anchorage	Yes
	configuration verification is	requirea.)	
6.	Based on the above ancho potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Yes

Colomi	- Malkdown Checklist		Status: Y N U
Seismi	c Walkdown Checklist	(SWC)	
	Equipment ID No.:	BS-PS-0933	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
E	Equipment Description:	RB PRESSURE SWITCH FOR ESAS ACTUATION	
<u>Interac</u>	tion Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	Are overhead equipme	nt, distribution systems, ceiling tiles and lighting, and	Yes
		t likely to collapse onto the equipment?	
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se	ismic interaction evaluations, is equipment free of	Yes
		mic interaction effects?	
Other /	Adverse Conditions		
11.		d found no adverse seismic conditions that could	Yes
	adversely affect the saf	ety functions of the equipment?	

<u>Comments</u>

Equipment was verified to be in accordance with Seismic Qualification SQ-T1-BS-PS0286/0933 Rev 000

Evaluated by:	Man S Elize Mark S. Etre	Date:	10/24/2012	
	SonBen Seth W. Baker		10/24/2012	

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	BS-PS-0933
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	RB PRESSURE SWITCH FOR ESAS ACTUATION

Photos



100_3810



100_3819

100_3814

Seismic Walkdown Checklist (SWC)

.

Equipment ID No.: CO-LT-1061	
Equipment Class: (18) Instruments on Racks	
Equipment Description: CONDENSATE STORAGE TANK A LEVEL TRANSMITTER	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 4 : NW CORNER OF HALLWAY	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: CO-LT-1061	
Equipment Class: (18) Instruments on Racks	
Equipment Description: CONDENSATE STORAGE TANK A LEVEL TRANSMITTE	R
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

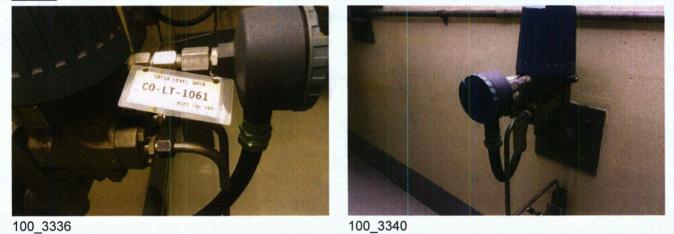
Comments

Lighting mounting appears to be rigid, but cannot be verified because the light is flush with the wall.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-CO-LT-1061, REV 000

Salamia Walkdov	un Chaaklist	(8)4(0)			Status: Y N	1 U
Seismic Walkdov	WI CHECKISI	(3000)				
Equip	ment ID No.:	CO-LT-1061				
Equip	ment Class:	(18) Instrum	ents on Racks			
Equipment	Description:	CONDENSA	ATE STORAGE TANK A LE	EVEL TRANSMIT	ITER	
Evaluated by:	Man	& End	Mark S. Etre	Date:	10/24/2012	
	So	TB.	Seth W. Baker		10/24/2012	

Photos



Seismic Walkdown Checklist (SWC)

Equipment ID No.: CO-LT-1062	
Equipment Class:(18) Instruments on Racks	
Equipment Description: CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	<u>.</u>
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area):IB, 295.00 ft, 4 : HALLWAY	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmen SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

			Status: Y N U
Seismic V	Valkdown Checklist	(SWC)	
	Equipment ID No.:	CO-LT-1062	
	Equipment Class:	(18) Instruments on Racks	
Equ	ipment Description:	CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	ξ
		· · · · · · · · · · · · · · · · · · ·	
Interactio	n Effects		
7. Ar	e soft targets free fro	m impact by nearby equipment or structures?	Yes
8. Ai	e overhead equipme	nt, distribution systems, ceiling tiles and lighting, and	Yes
		t likely to collapse onto the equipment?	
	•.		
9. D	o attached lines have	adequate flexibility to avoid damage?	Yes
10. Bi	ased on the above se	ismic interaction evaluations, is equipment free of	Yes
		mic interaction effects?	
Other Ad	verse Conditions		
	•	d found no adverse seismic conditions that could	Yes
a	iversely affect the saf	ety functions of the equipment?	

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-CO-LT-1062, Rev 000

Evaluated by:	Man S Eve	Mark S. Etre	Date:	10/24/2012
	SonBen	Seth W. Baker		10/24/2012

			Status: Y N U
Seis	mic Walkdown Checklist	(SWC)	
	Equipment ID No.:	CO-LT-1062	
	Equipment Class:	(18) Instruments on Racks	
	Equipment Description:	CONDENSATE STORAGE TANK B LEVEL TRANSMITTE	R

Photos





100_3346

100_3349

Seismic Walkdown Checklist (SWC)

.

Equipment ID No.: CO-LT-1063	
Equipment Class: (18) Instruments on Racks	
Equipment Description: CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 4 : HALLWAY	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipm SWEL. The space below each of the following questions may be used to record the results of judg findings. Additional space is provided at the end of this checklist for documenting other comments	gments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	163
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	CO-LT-1063	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	2
Interaction Effects		1. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
		Vee
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
9. Do allached lines have	adequate hexibility to avoid damage?	163
10. Based on the above se	eismic interaction evaluations, is equipment free of	Yes
potentially adverse sei	smic interaction effects?	
• •		
Other Adverse Conditions		······································
	nd found no adverse seismic conditions that could	Yes
•	fety functions of the equipment?	

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-CO-LT-1063, Rev 000

Evaluated by:	Man S Elie Mark S. Etre	Date:	10/24/2012
	Sun Ber Seth W. Baker		10/24/2012

Seismic Walkdown Checklist		tatus: [Y] N U
Equipment ID No.:	CO-I T-1063	
	(18) Instruments on Racks	
	CONDENSATE STORAGE TANK B LEVEL TRANSMITTER	

Photos



100_3354

.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: CO-T-0001B	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: CONDENSATE STORAGE TANK 1B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): YD, 305.00 ft, 8 : N.W. OF REACT BLDG	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

			Status: Y N U
Seism	ic Walkdown Checklist (SWC)	
	Equipment ID No.:	CO-T-0001B	
	Equipment Class:	(21) Tanks and Heat Exchangers	
	Equipment Description:	CONDENSATE STORAGE TANK 1B	
	ction Effects		
7.	Are soft targets free fron	n impact by nearby equipment or structures?	Yes
8.		t, distribution systems, ceiling tiles and lighting, and	Yes
	masonry block walls not	likely to collapse onto the equipment?	
•			
9.	Do attached lines have a	adequate flexibility to avoid damage?	Yes
10.	Based on the above seig	smic interaction evaluations, is equipment free of	Yes
10.	potentially adverse seisr		100
			•
Other	Adverse Conditions		
11.	•	l found no adverse seismic conditions that could ty functions of the equipment?	Yes
	adversely direct the sale		

<u>Comments</u>

Slightly bent anchor bolt near manhole. Based on review of SQUG SEWS, there is adequate margin to ignore the effects of a single bent anchor bolt.

Several linear indications emanate from anchor bolts, which are already addressed in the SQUG SEWS.

See SQ-T1-CO-T-0001B, Revision 001

				Status: Y N U
Seismic Walkdow	n Checklist	(SWC)		
Equipn	nent ID No.:	CO-T-0001B		
Equip	ment Class:	(21) Tanks and Heat Exchangers		
Equipment	Description:	CONDENSATE STORAGE TANK 1B		
Evaluated by:	Man	S Ever Mark S. Etre	Date:	10/24/2012
	Sa	Ber Seth W. Baker		10/24/2012

Photos



Seismic Walkdown Checklist (SWC)

Equipment ID No.:	CO-T-0001B	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	CONDENSATE STORAGE TANK 1B	



IMG_1174

IMG_1175

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: CO-V-0010B	
Equipment Class: (0) Other	
Equipment Description: CONDENSATE TANK B ISOL VALVE	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): YD, 305.00 ft, 8 : INSIDE VALVE HOUSE	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other con	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

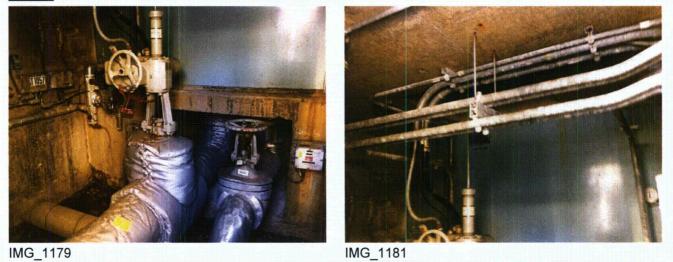
		Status: Y N U
Seismic Walkdown Checklist	t (SWC)	
Equipment ID No.:	CO-V-0010B	
Equipment Class:	(0) Other	
Equipment Description:	CONDENSATE TANK B ISOL VALVE	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls ne	ot likely to collapse onto the equipment?	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
		100
10 Detection the shore of	inni interestine en la disco in environe de fore ef	N ₂ -
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		· · · ·
	nd found no adverse seismic conditions that could	Yes
adversely affect the sa	fety functions of the equipment?	

Comments

Equipment was verified to be in accordance with Seismic Qualification SQ-T1-CO-V-0010B Rev 000

				Status: Y N U
Seismic Walkdo	wn Checklist	(SWC)		
Equip	ment ID No.:	CO-V-0010B		
Equij	oment Class:	(0) Other		
Equipment	Description:	CONDENSATE TANK B ISOL VALVE		
	Man	& Elve		10/01/0010
Evaluated by:	-	Mark S. Etre	Date:	10/24/2012
	So	Ber Seth W. Baker		10/24/2012

Photos



Seismic Walkdown Checklist		tatus: Y N U
Equipment ID No.:	CRD-CB-1D	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CRD CIRCUIT BREAKER 1D	
Proje	ect: TMI SWEL	
Location (Bldg, Elev, Room/Are	ea): CB, 338.50 ft, 27	
Manufacturer/Mod	del:	
Instructions for Completing (Checklist	
SWEL. The space below each	document the results of the Seismic Walkdown of an item of equin of the following questions may be used to record the results of j rovided at the end of this checklist for documenting other comme	udgments and
Anchorage		
1. Is anchorage configura of SWEL items requirin	ation verification required (i.e., is the item one of the 50% ng such verification)?	Yes
2. Is the anchorage free c	of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free c	of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	of visible cracks in the concrete near the anchors?	Yes
	guration consistent with plant documentation? (Note: plies if the item is one of the 50% for which an anchorage on is required.)	Yes
 Based on the above ar potentially adverse seis 	nchorage evaluations, is the anchorage free of ismic conditions?	Yes

			Status: Y N U
Seismi	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	CRD-CB-1D	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	CRD CIRCUIT BREAKER 1D	
<u>Intera</u> c	tion Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, and It likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other /	Adverse Conditions		
11.	Have you looked for an adversely affect the sa	Id found no adverse seismic conditions that could fety functions of the equipment? For other adverse Seismic conditions has not been	Yes
		accordance with Seismic Qualification No. SQ-T1-CRD-CB	-1A/1D,REV 000

(NUMBER ABBREVIATED FOR PIMS CONSTRAINT OF 20 CHARACTERS - ORIGINAL NUMBER IS SQ-T1-CRD-CB-1A/1B/1C/1D)

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

Seismic Walkdown Checklist	Status: Y N U	
Equipment ID No.:	CRD-CB-1D	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	CRD CIRCUIT BREAKER 1D	
Son	Bur Seth W. Baker	10/24/2012

Photos



Seismic Walkdown Checklist (SWC)

Equipment ID No.: DF-FI-1151	
Equipment Class: (18) Instruments on Racks	
Equipment Description: EDG/FUEL OIL/DF-P-1C/1D TO DF-T-2B FLOW INDICATOR	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 35 : "B"DG BLDG @ DF-T-2B	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of j findings. Additional space is provided at the end of this checklist for documenting other comme	judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: DF-FI-1151	
Equipment Class: (18) Instruments on Racks	
Equipment Description: EDG/FUEL OIL/DF-P-1C/1D TO DF-T-2E	3 FLOW INDICATOR
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structure	es? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lig masonry block walls not likely to collapse onto the equipment?	hting, and Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment potentially adverse seismic interaction effects?	t free of Yes
Other Adverse Conditions	· · · ·
11. Have you looked for and found no adverse seismic conditions that adversely affect the safety functions of the equipment?	t could Yes

Comments

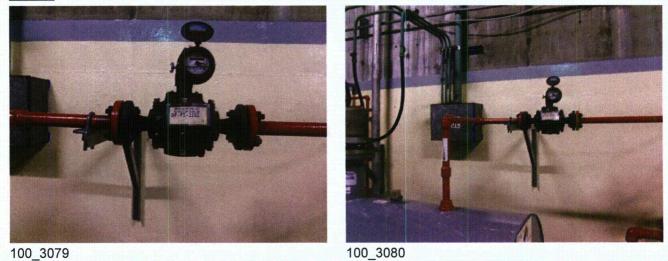
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-DF-FI-1151, Rev 000

	Man S End		
Evaluated by:	Mark S. Etre	Date: 10/24/2012	
	Sun Bun Seth W. Baker	10/24/2012	

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	DF-FI-1151
Equipment Class:	(18) Instruments on Racks
Equipment Description:	EDG/FUEL OIL/DF-P-1C/1D TO DF-T-2B FLOW INDICATOR

Photos



Seismic Walkdown Checklist (SWC)

;

	Equipment ID No.: DF-LI-J500B	
	Equipment Class: (18) Instruments on Racks	
1	Equipment Description: EDG/FUEL OIL/DF-T-2B LEVEL INDICATOR	
	Project: TMI SWEL	
Locatio	n (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B"DG BLDG	
	Manufacturer/Model:	
This ch SWEL.	tions for Completing Checklist ecklist may be used to document the results of the Seismic Walkdown of an item of e The space below each of the following questions may be used to record the results a. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Ancho		
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
5.	is the anchorage free of contraint that is more than mild surface oxidation:	Not Applicable
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
5.	Is the anchorage configuration consistent with plant documentation? (Note:	Not Applicable
	This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
6.	Based on the above anchorage evaluations, is the anchorage free of	Yes
	potentially adverse seismic conditions?	

			Status: Y N U
Seismic Walkdown Che	ecklist	(SWC)	
Equipment ID	D No.:	DF-LI-J500B	
Equipment C	Class:	(18) Instruments on Racks	
Equipment Descri	ption:	EDG/FUEL OIL/DF-T-2B LEVEL INDICATOR	
Interaction Effects			·····
7. Are soft targets f	free fro	m impact by nearby equipment or structures?	Yes
8. Are overhead eq	luipmei	nt, distribution systems, ceiling tiles and lighting, and	Yes
	•••	t likely to collapse onto the equipment?	
9. Do attached line	s have	adequate flexibility to avoid damage?	Not Applicable
10. Based on the ab	ove se	ismic interaction evaluations, is equipment free of	Yes
		mic interaction effects?	
Other Adverse Condition	ons		
-		d found no adverse seismic conditions that could	Yes
adversely affect	the saf	ety functions of the equipment?	
			i
<u>Comments</u>			

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-DF-LI-J500B, Rev 000

Evaluated by:	Man S Elized Mark S. Etre	Date:	10/24/2012	
	SonBen Seth W. Baker		10/24/2012	

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	DF-LI-J500B	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	EDG/FUEL OIL/DF-T-2B LEVEL INDICATOR	

Photos



Equipment ID No.: DF-P-0001B				
Equipment Class: _(5) Horizontal Pumps				
Equipment Description: EDG FUEL OIL/DIESEL FUEL TRANSFER PUMP B (DC)				
Project: TMI SWEL				
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 38 : "A" DG BLDG				
Manufacturer/Model:				
Instructions for Completing Checklist				
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmen SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.				
Anchorage				
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes			
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes			
	1.00			
·				
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes			
	.,			
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Yes			
configuration verification is required.)				
6. Based on the above anchorage evaluations, is the anchorage free of	Yes			
potentially adverse seismic conditions?				

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Seisinic Walkdown Checkist		
Equipment ID No.:	DF-P-0001B	·
Equipment Class:	(5) Horizontal Pumps	
Equipment Description:	EDG FUEL OIL/DIESEL FUEL TRANSFER PUMP B (DC)	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	nt, distribution systems, ceiling tiles and lighting, and of the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for a	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-DF-P-0001B, Rev 001

Electrical elbow is loose, not a seismic concern. This is an electrical code issue. IR 1400586 is addressing this.

					Status: Y	N U
Seismic Walkdov	wn Checklist	(SWC)				
Equip	ment ID No.:	DF-P-0001B	3			
Equip	oment Class:	(5) Horizonta	al Pumps			
Equipment	Description:	EDG FUEL	OIL/DIESEL FUEL TRANS	FER PUMP B (D	C)	
Evaluated by:	Man	S Elve	Mark S. Etre	Date:	10/24/2012	
	Sa	n Be	Seth W. Baker		10/24/2012	

Photos





100_3121



100_3127

.

Status: Y N U

Equipment Class: (21) Tanks and Heat Exchangers Equipment Description: EDG FUEL OIL/EG-Y-1B DAY TANK Project: TMI SWEL Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B" DG BLDG NORTH WALL Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 3. Is the anchorage free of bent, broken, missing or loose hardware? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes Yes	Equipment ID No.: DF-T-0002B	
Project: TMI SWEL Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B" DG BLDG NORTH WALL Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes	Equipment Class: (21) Tanks and Heat Exchangers	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B" DG BLDG NORTH WALL Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes	Equipment Description: EDG FUEL OIL/EG-Y-1B DAY TANK	
Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes	Project: TMI SWEL	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration is required.) Yes	Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B" DG BLDG NORTH WALL	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes Yes	Manufacturer/Model:	
SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	Instructions for Completing Checklist	
1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	SWEL. The space below each of the following questions may be used to record the results of judgment	
of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes 6. Based on the above anchorage evaluations, is the anchorage free of Yes	Anchorage	
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 	· · ·	Yes
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 		
 Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Based on the above anchorage evaluations, is the anchorage free of Yes 		
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 		
 configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes 	5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
 Based on the above anchorage evaluations, is the anchorage free of Yes 	, , , , ,	
	configuration verification is required.)	
	6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Calansia Malladaum Chacklint (CMC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: DF-T-0002B	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: EDG FUEL OIL/EG-Y-1B DAY TANK	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls not likely to collapse onto the equipment?	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	165
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
· · · · · · · · · · · · · · · · · · ·	
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could	Yes
adversely affect the safety functions of the equipment?	

<u>Comments</u>

SQ-T1-DF-T-0002B, Rev 000

New supports as recommended by SQ-T1-DF-T-0002B were addressed with modification package T1-CCD-412636-239, Rev 000.

.

				Status: Y N U
Seismic Walkdov	wn Checklist	(SWC)		
Equip	ment ID No.:	DF-T-0002B		
Equipment Class:		(21) Tanks and Heat Exchangers		
Equipment	Description:	EDG FUEL OIL/EG-Y-1B DAY TANK		
Evaluated by:	Man	S The Mark S. Etre	Date:	10/24/2012
	Sa	Bur Seth W. Baker		10/24/2012

Photos



Status: Y N U

Equipment ID N	o.: DH-V-0005B	
Equipment Cla	ss: (8) Motor-Operated and Solenoid-Operated Valves	•
Equipment Descripti	on: BWST TO DH PUMPS	
	Project: TMI SWEL	
Location (Bldg, Elev, Room	Area): AB, 281.00 ft, 15 : ON DIVIDING WALL S. FACE	
Manufacturer	Model:	
SWEL. The space below e	ng Checklist to document the results of the Seismic Walkdown of an item of e ach of the following questions may be used to record the results s provided at the end of this checklist for documenting other com	of judgments and
Anchorage		
1. Is anchorage confi	uration verification required (i.e., is the item one of the 50% uiring such verification)?	No
2. Is the anchorage fi	ee of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage f	ee of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage f	ee of visible cracks in the concrete near the anchors?	Not Applicable
_	onfiguration consistent with plant documentation? (Note: applies if the item is one of the 50% for which an anchorage cation is required.)	Not Applicable
	e anchorage evaluations, is the anchorage free of seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: DH-V-0005B	
Equipment Class: (8) Motor-Operated ar	d Solenoid-Operated Valves
Equipment Description: BWST TO DH PUMPS	}
Interaction Effects	
7. Are soft targets free from impact by nearby equ	uipment or structures? Yes
8. Are overhead equipment, distribution systems, masonry block walls not likely to collapse onto	
9. Do attached lines have adequate flexibility to a	void damage? Yes
10. Based on the above seismic interaction evalua potentially adverse seismic interaction effects?	
Other Adverse Conditions	
 Have you looked for and found no adverse sei adversely affect the safety functions of the equ 	

<u>Comments</u>

In-line equipment.

Boric acid leak has been previously identified under IR 426184 and is currently tracked under the site Boric Acid Program." Refer to IR 1401947 for additional details. See SQ-T1-DH-V-0005B, Revision 000

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: Equipment Class: Equipment Description:		DH-V-0005B	977 888 198 		
		(8) Motor-Operated and Solenoid-Operated Valves			
		BWST TO DH PUMPS			
	Man	S Elize			
Evaluated by:	Man	Mark S. Etre	Date:	10/24/2012	
	So	Bur Seth W. Baker	2	10/24/2012	
	A Contraction of the second se		And		

Photos



Equipment ID No.: DR-P-1B	
Equipment Class: (6) Vertical Pumps	
Equipment Description: DECAY HEAT RIVER PMP	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): IPH, 308.00 ft, 28 : UNIT ONE SCREEN HOUSE EAST SIDE	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment of SWEL. The space below each of the following questions may be used to record the results of judgmen findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
	,
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Yes
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

			Status: Y N U			
Seismi	Seismic Walkdown Checklist (SWC)					
	Equipment ID No.:					
	Equipment Class:	(6) Vertical Pumps				
	Equipment Description:	DECAY HEAT RIVER PMP				
Interac	tion Effects					
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes			
8.		nt, distribution systems, ceiling tiles and lighting, and	Yes			
	masonry block walls no	t likely to collapse onto the equipment?				
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes			
· 40			Vaa			
10.		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes			
	potentially adverse sele					
		·				
			· .			
<u>Other /</u>	Adverse Conditions					
11.	•	d found no adverse seismic conditions that could	Yes			
	adversely affect the sal	ety functions of the equipment?				

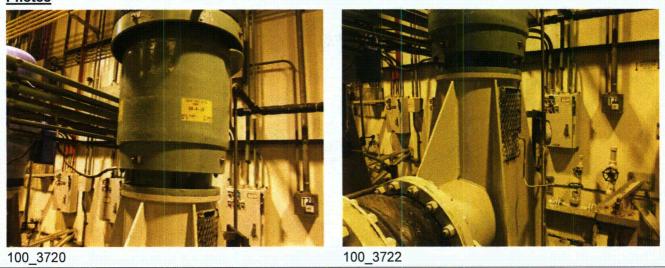
<u>Comments</u>

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-DR-P-1B, Rev 000

Evaluated by:	Man S Ere Mark S. Etre	Date:	10/24/2012	
	Sun Bur Seth W. Baker		10/24/2012	

		Status:	Y	Ν	U
Seismic Walkdown Checklist	(SWC)				
Equipment ID No.:	DR-P-1B				
Equipment Class:	(6) Vertical Pumps				
Equipment Description:	DECAY HEAT RIVER PMP				





Status: Y N U

Equipment ID No.: DR-S-1B	
Equipment Class: (0) Other	
Equipment Description: DECAY RIVER STRAINER	
Project: TMI SWEL IPH, 308.00 ft, 28 : UNIT ONE SCREEN HOUSE BETWEEN DR	-P-1B AN
Location (Bldg, Elev, Room/Area): D DR-V-1B	
Manufacturer/Model:	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment SWEL. The space below each of the following questions may be used to record the results of judgme findings. Additional space is provided at the end of this checklist for documenting other comments.	
 Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seiemi	ia Walkdown Chaeklist	(6)4(0)	Status: Y N U
Seismi	ic Walkdown Checklist	(3440)	
	Equipment ID No.:	DR-S-1B	
	Equipment Class:	(0) Other	
	Equipment Description:	DECAY RIVER STRAINER	
Interac	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
			•
8.	Are overhead equipme	nt, distribution systems, ceiling tiles and lighting, and	Yes
•		t likely to collapse onto the equipment?	
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se	ismic interaction evaluations, is equipment free of	Yes
		smic interaction effects?	
Other	Adverse Conditions		······
11.	•	d found no adverse seismic conditions that could	Yes
	adversely affect the sa	fety functions of the equipment?	

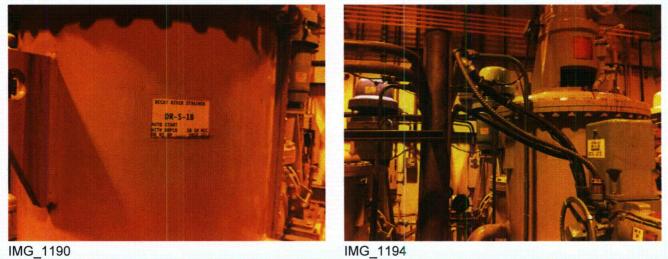
Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-DR-S-1B, Rev 000

Evaluated by:	Man S Elize Mark S. Etre	Date:	10/24/2012	
	SonBun Seth W. Baker		10/24/2012	

		Status:	Y	Ν	U
Seismic Walkdown Checklist	(SWC)				
Equipment ID No.:	DR-S-1B				
Equipment Class:	(0) Other				
Equipment Description:	DECAY RIVER STRAINER				

Photos



Seismic Walkdown Checklist (SWC)

÷,

Equipment ID No.:EED-B-1B	
Equipment Class: (15) Batteries on Racks	<u> </u>
Equipment Description: 250V DC STATION BATTERY 1B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 22 : BATTERY ROOM B	
Manufacturer/Model:	•
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	1
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% Y of SWEL items requiring such verification)? 	′es
2. Is the anchorage free of bent, broken, missing or loose hardware? Y	′es
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y	′es
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y	′es
 Is the anchorage configuration consistent with plant documentation? (Note: Y This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	(es
 Based on the above anchorage evaluations, is the anchorage free of Y potentially adverse seismic conditions? 	(es

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	EED-B-1B	
Equipment Class:	(15) Batteries on Racks	
Equipment Description:	250V DC STATION BATTERY 1B	
· · · · · · · · · · · · · · · · · · ·		
Interaction Effects		
	m impact by nearby equipment or structures?	Yes
	t distribution suctance option files and lighting and	Vac
	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	· ·	
	ismic interaction evaluations, is equipment free of	Yes
potentially adverse set	smic interaction effects?	
	·	
Other Adverse Conditions		V
-	ed found no adverse seismic conditions that could fety functions of the equipment?	Yes
· · · , · · · · · · · · · · · · · · · · · · ·		

<u>Comments</u>

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-1B-BATTERY, Revision 001

Gap between battery 33 and end rail addressed under IR 1401981.

Per TMI Engineering, the gap which was visually observed varied linearly along the battery west end-rail from 1/8 inch to 1/4 inch. Approximately two-thirds of the battery cells west end rail gap was less than 3/16 inch. During a Safe Shutdown Earthquake, the battery cells points of first contact will be those areas along the battery and end rail which have a gap of less than 3/16 inch. As such, the seismic capability of cell No. 33 is not

				Status: Y N U
Seismic Walkdow	n Checklist	(SWC)		
Equipn	nent ID No.:	EED-B-1B		
Equip	ment Class:	(15) Batteries on Racks		
	ONTO A DECEMBER OF A DECEMB OF A DECEMBER OF A DECEMBE	250V DC STATION BATTERY 1B		
		ification unchanged, and the observed gap TICE FOR MAINTENANCE, TESTING, AN		
Evaluated by:	Mar	S Ever Mark S. Etre	Date:	10/24/2012
	So	Ben Seth W. Baker		10/24/2012



100_3530

Equipment ID No.: EED-BC-1B	
Equipment Class: (16) Inverters	
Equipment Description: BATTERY CHARGER 1B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmer SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

12Q0108.70-R-001 Rev. 1
Correspondence No.: RS-12-175

Seismic Walkdown Checklis	t (SWC)	Status: Y N U
Equipment ID No.:	EED-BC-1B	· ·
Equipment Class:	· · · · · · · · · · · · · · · · · · ·	
Equipment Description:	BATTERY CHARGER 1B	
Interaction Effects		
7. Are soft targets free fr	om impact by nearby equipment or structures?	Yes
•		
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
masonry block wails h		
	· · · ·	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
• · · · · ·		
	eismic interaction evaluations, is equipment free of	Yes
potentially adverse se	ismic interaction effects?	
		۰,
Other Adverse Conditions		
-	nd found no adverse seismic conditions that could	Yes
•	afety functions of the equipment? has been performed through the bottom and center	
Grating.	las been performed through the bottom and center	
Comments		
Equipment was verified to be i AND DRAWING NBC-406	n accordance with Seismic Qualification No. SQ-T1-BA	TT CHG 1B, Rev 000
no	1187	
Evaluated by:	Mark S. Etre Date	e: 10/24/2012
Se	Ber Seth W. Baker	10/24/2012
		1.

		Status: Y N U
Seismic Walkdown Checklis	t (SWC)	
Equipment ID No.:	EED-BC-1B	
Equipment Class:	(16) Inverters	
Equipment Description:	BATTERY CHARGER 1B	



Seismic Walkdown Checklist (SWC)

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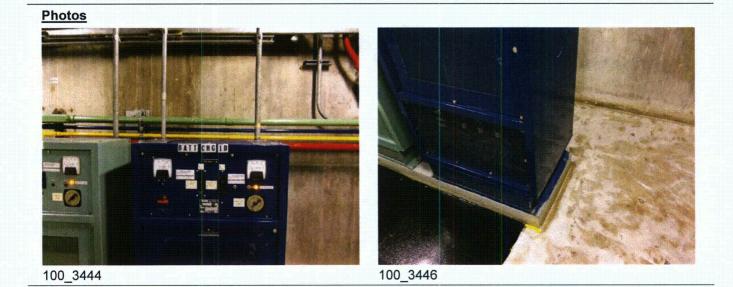
Equipment ID No.:	EED-BC-1D	
Equipment Class:	(16) Inverters	
Equipment Description:	BATTERY CHARGER 1D	
Proje	ct: TMI SWEL	
Location (Bldg, Elev, Room/Are	a): CB, 322.00 ft, 24 : INVERTER ROOM 1B	
Manufacturer/Mod	el:	
-	hecklist ocument the results of the Seismic Walkdown of an item of equip of the following questions may be used to record the results of ju	
•	by deed at the end of this checklist for documenting other commen	•
Anchorage 1. Is anchorage configura of SWEL items requirin	ion verification required (i.e., is the item one of the 50% g such verification)?	Yes
2. Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free o	f visible cracks in the concrete near the anchors?	Yes
÷ .	uration consistent with plant documentation? (Note: es if the item is one of the 50% for which an anchorage n is required.)	Yes
Based on the above an potentially adverse seit	chorage evaluations, is the anchorage free of mic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EED-BC-1D	
Equipment Class: (16) Inverters	
Equipment Description: BATTERY CHARGER 1D	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Internal Inspections has been performed through the bottom and center Grating.	Yes
Comments Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-BATT AND DRAWING NBC-406	CHG 1D, Rev 000

Evaluated by:	Man S Elie Mark S. Etre	Date:	10/24/2012	
	SonBen Seth W. Baker		10/24/2012	

. . ..

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	EED-BC-1D	
Equipment Class:	(16) Inverters	
Equipment Description:	BATTERY CHARGER 1D	



Equipment Class: (16) Inverters Equipment Description: BATTERY CHARGER 1F Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? Yes 3. Is the anchorage free of bent, broken, missing or loose hardware? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Yes		Equipment ID No.: EED-BC-1F	
Project: TMI SWEL Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage Yes 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes		Equipment Class: (16) Inverters	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes	I	Equipment Description: BATTERY CHARGER 1F	
Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes		Project: TMI SWEL	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. Is the anchorage configuration consistent with plant documentation? (Note:	Locatio	on (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM 1B	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes		Manufacturer/Model:	
SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes	Instruc	ctions for Completing Checklist	
1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes	SWEL.	The space below each of the following questions may be used to record the results of judgments a	
of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes	<u>Ancho</u>		
 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 	1.		Yes
 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 			
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 	2.	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 			
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 			
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Yes 	,		.,
 Is the anchorage configuration consistent with plant documentation? (Note: Yes 	3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: Yes 			•
 Is the anchorage configuration consistent with plant documentation? (Note: Yes 			
	4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
	· -		Maa
configuration verification is required.)	5.	This question only applies if the item is one of the 50% for which an anchorage	res
configuration vehication is required.)		configuration vertication is required.)	
 Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? 	6.		Yes

	12Q0108.70-R-001 Rev. 1 spondence No.: RS-12-175
,	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.:EED-BC-1F	
Equipment Class: (16) Inverters	
Equipment Description: BATTERY CHARGER 1F	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Internal Inspections has been performed through the bottom and center Grating.	Yes
Comments	
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-BATT AND DRAWING NBC-406	CHG 1F, Rev 000
Evaluated by: Mark S. Etre Date:	10/24/2012
Evaluated by: Mark S. Etre Date:	10/24/2012

Seth W. Baker 10/24/2012

Status: Y N U

Equipment ID No.:	EED-BC-1F	
Equipment Class:	(16) Inverters	
Equipment Description:	BATTERY CHARGER 1F	







100_3451



100_3462

100_3453

Status: Y] N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: _EE-INV-1B	
Equipment Class: (16) Inverters	
Equipment Description: INVERTER 1B ELEL6	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER ROOM B	
Manufacturer/Model:	<u>.</u>
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EE-INV-1B	
Equipment Class: (16) Inverters	
Equipment Description: INVERTER 1B ELEL6	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	d Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EE-INV-1B, Rev 001

	Man S Elie			
Evaluated by:	Mark S. Etre	Date:	10/24/2012	
	StanBun Seth W. Baker		10/24/2012	

Photos

Status:	V	NI	11
Status.	I		U

Equipment ID No.:	EE-INV-1B	
Equipment Class:	(16) Inverters	
Equipment Description:	INVERTER 1B ELEL6	
100_3467		100_3472

Equipment ID No.:EE-INV-1F	
Equipment Class: _(16) Inverters	
Equipment Description: 1F INVERTER	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : CONTROL TWR 322: A INVERTER	ROOM
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	of judgments and
<u>Anchorage</u>	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklis	st (SWC)	Status: Y N U
Equipment ID No.		
Equipment Class	(16) Inverters	
Equipment Description	1F INVERTER	
Interaction Effects		
7. Are soft targets free fi	rom impact by nearby equipment or structures?	Yes
• •	ent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment?	Yes
9. Do attached lines hav	re adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of eismic interaction effects?	Yes
Other Adverse Conditions		No.
•	and found no adverse seismic conditions that could afety functions of the equipment?	Yes
		· .

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EE-INV-1F, Rev 001

Rigid conduits on top of cabinet exhibit enough relative flexibility to preclude any adverse seismic interaction.

Seismic Walkdov	vn Checklist	(SWC)			Status: Y N U
Equipr	ment ID No.:	EE-INV-1F			
Equipment Class:		(16) Inverters			
Equipment	Description:	1F INVERTER	R		
Evaluated by:	Man/	S End	Mark S. Etre	Date:	
	m	- auto	Seth W. Baker		10/24/2012

Photos





100_3504



100_3507

Seismic Walkdown Checklist (SWC)]N U
Equipment ID No.: EE-PNL-VBB	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: VBB 120 VAC PANEL	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24	
Manufacturer/Model:	<u> </u>
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment or SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	Vaa
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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.		Status: Y N U
Seismic Walkdown Checklis	t (SWC)	
Equipment ID No.:	EE-PNL-VBB	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	VBB 120 VAC PANEL	
Interaction Effects		
7. Are soft targets free from	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of ismic interaction effects?	Yes
Other Adverse Conditions		
adversely affect the sa	nd found no adverse seismic conditions that could afety functions of the equipment? for other adverse Seismic conditions has not been	Yes
Comments New Anchorage is installed co 253.	onsistent with modification No. T1-MM-412552-002 Rev 000	and drawings 521-

Evaluated by:	Manf & Etro Mark S. Etre	Date:	10/24/2012
·	Sun Bern Seth W. Baker		10/24/2012

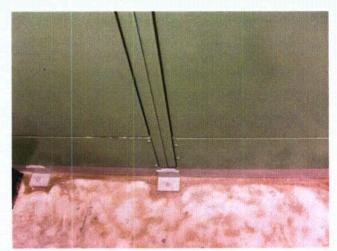
Status: Y N U

Seismic Walkdown Checklist (SWC)

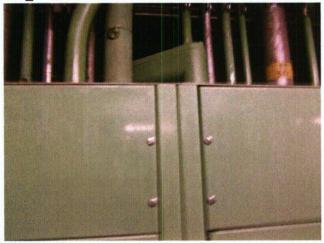
Equipment ID No.:	EE-PNL-VBB
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	VBB 120 VAC PANEL

Photos





100_3474



100_3478

Seismic Walkdown Checklist (SWC)

5

Equipment ID No.: EF-FT-0782	
Equipment Class: (18) Instruments on Racks	
Equipment Description: EFW TO B OTSG FLOW TRANSMITTER	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 6 : E WALL BEHIND AE-42	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmen SWEL. The space below each of the following questions may be used to record the results of judgme findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	103
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EF-FT-0782	- <u></u>
Equipment Class: (18) Instruments on Racks	
Equipment Description: EFW TO B OTSG FLOW TRANSMITTER	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions 11. Have you looked for and found no adverse seismic conditions that could	Yes
adversely affect the safety functions of the equipment?	
<u>Comments</u>	
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EF-FT-0	0782, Rev 001
Evaluated by: Mark S. Etre Date:	10/24/2012
Sun Bern Seth W. Baker	10/24/2012

		1	
Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	EF-FT-0782	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	EFW TO B OTSG FLOW TRANSMITTER	_

Photos







Seism	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	EF-P-0001	
	Equipment Class:	(5) Horizontal Pumps	
	Equipment Description:	STEAM DRIVEN EMERGENCY FEED PUMP	
	Proje	ect: TMI SWEL	
Locatio	-	a): IB, 295.00 ft, 5 : EF-P-1 CUBICLE	
	Manufacturer/Mod		· · · · ·
Instru	ctions for Completing C		
SWEL	. The space below each	ocument the results of the Seismic Walkdown of an item of equip of the following questions may be used to record the results of ju ovided at the end of this checklist for documenting other commer	dgments and
Ancho	orage		
1.	Is anchorage configurat of SWEL items requirin	tion verification required (i.e., is the item one of the 50% g such verification)?	Ye
2.	Is the anchorage free o	f bent, broken, missing or loose hardware?	Ye
3.	Is the anchorage free o	f corrosion that is more than mild surface oxidation?	Ye
4.	Is the anchorage free o	of visible cracks in the concrete near the anchors?	Ye
5.		guration consistent with plant documentation? (Note: lies if the item is one of the 50% for which an anchorage in is required.)	Ye
6.	Based on the above an potentially adverse seis	ichorage evaluations, is the anchorage free of	Ye

,

Seismic Walkdown Checklis	t (SWC)	Status: Y N U
Equipment ID No.:	EF-P-0001	
	(5) Horizontal Pumps	1.12.7999
Equipment Description:	STEAM DRIVEN EMERGENCY FEED PUMP	
Interaction Effects	· · · · · · · · · · · · · · · · · · ·	
7. Are soft targets free fre	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
• • • •		
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
10. Based on the above se	eismic interaction evaluations, is equipment free of	Yes
	smic interaction effects?	100
Other Adverse Conditions		
-	nd found no adverse seismic conditions that could afety functions of the equipment?	Yes
Comments		

Pump is not centered on pad. This was verified to be documented and evaluated in SQ-T1-EF-P-0001

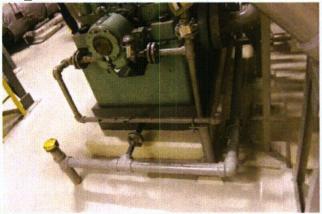
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EF-P-0001, REV 000

				Status: Y N U
Seismic Walkdo	wn Checklist	(SWC)		
Equip	ment ID No.:	EF-P-0001		
Equi	pment Class:	(5) Horizontal Pumps		
Equipmen	t Description:	STEAM DRIVEN EMERGENCY FEED PUMP		
Evaluated by:	Man	S Elize Mark S. Etre	_ Date:	10/24/2012
	Sa	Ben Seth W. Baker		10/24/2012

Photos



100_3372



100_3374

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	EF-P-0002B	
Equipment Class:	(5) Horizontal Pumps	
Equipment Description:	EMERGENCY FEED PUMP B	
Projec	t: TMI SWEL	
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 6 : EF-P-1B CUBICLE	
Manufacturer/Mode	d:	-
Instructions for Completing Ch		
SWEL. The space below each o	cument the results of the Seismic Walkdown of an item of equipn f the following questions may be used to record the results of jud vided at the end of this checklist for documenting other comments	gments and
Anchorage		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% such verification)?	Yes
2. Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	visible cracks in the concrete near the anchors?	Yes
	ration consistent with plant documentation? (Note: es if the item is one of the 50% for which an anchorage	Yes
configuration verification		
Based on the above and potentially adverse seisr	horage evaluations, is the anchorage free of nic conditions?	Yes

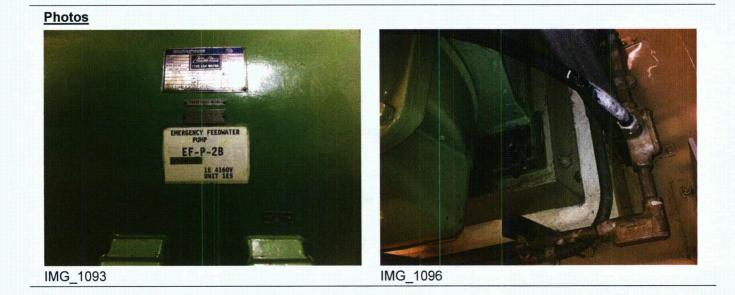
Seismic Walkdown Checklis	t (SWC)	Status: Y N U
Equipment ID No.:	· · · · · · · · · · · · · · · · · · ·	
Equipment Class:	(5) Horizontal Pumps	
Equipment Description:	EMERGENCY FEED PUMP B	
	·	
Interaction Effects		
7. Are soft targets free fr	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment?	Yes
9. Do attached lines hav	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of ismic interaction effects?	Yes
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·	
11. Have you looked for a	and found no adverse seismic conditions that could afety functions of the equipment?	Yes
· · · · · · · · · · · · · · · · · · ·		

Comments

Hairline linear indications (Concrete Cracks) emanating from Anchor Bolt. SQ-T1-EF-P-0002B confirms that there is margin and acceptable.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EF-P-0002B, Rev 001

Seismic Walkdow	/n Checklist	(SWC)	Status: Y N U
Equipn	nent ID No.:	EF-P-0002B	
Equip	ment Class:	(5) Horizontal Pumps	
Equipment	Description:	EMERGENCY FEED PUMP B	
Evaluated by:	Man	S Elver Mark S. Etre Date	e: 10/24/2012
	So	Ber Seth W. Baker	10/24/2012



.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: EF	-V-0001B	
Equipment Class: (8)	Motor-Operated and Solenoid-Operated Valves	
Equipment Description: EF	W PUMPS SUCTION CROSS CONNECT VALVE	
Project:	TMI SWEL	
Location (Bldg, Elev, Room/Area):	IB, 295.00 ft, 5 : NE OF EF-P-1 UNDER PLATFORM	
Manufacturer/Model:		
Instructions for Completing Chec	klist	
SWEL. The space below each of the	ment the results of the Seismic Walkdown of an item of ne following questions may be used to record the results ed at the end of this checklist for documenting other cor	of judgments and
Anchorage		
 Is anchorage configuration of SWEL items requiring su 	verification required (i.e., is the item one of the 50% ich verification)?	No
2. Is the anchorage free of be	nt, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vis	bible cracks in the concrete near the anchors?	Not Applicable
	tion consistent with plant documentation? (Note: f the item is one of the 50% for which an anchorage required.)	Not Applicable
 Based on the above ancho potentially adverse seismic 	rage evaluations, is the anchorage free of conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EF-V-0001B	an a
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	· · ·
Equipment Description: EFW PUMPS SUCTION CROSS CONNECT VALVE	
Interaction Effects	,
 Are soft targets free from impact by nearby equipment or structures? 	Yes
2 Are such as a submer of distribution such me calling tiles and lighting and	Vee
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of	Yes
potentially adverse seismic interaction effects?	
Other Adverse Conditions	<u> </u>
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Anchorage check not applicable because equipment is in-line.	
See SQ-T1-EF-V-0001B, Revision 001	

Seismic Walkdov	wn Checklist	(SWC)		Status: Y N U
Equip	ment ID No.:	EF-V-0001B		
Equip	oment Class:	(8) Motor-Operated and Solenoid-Oper	rated Valves	
Equipment	Description:	EFW PUMPS SUCTION CROSS CON	NECT VALVE	
Evaluated by:	Man	S Ever Mark S. Etre	Date:	10/24/2012
	So	Bur Seth W. Baker		10/24/2012

Photos



IMG_1082

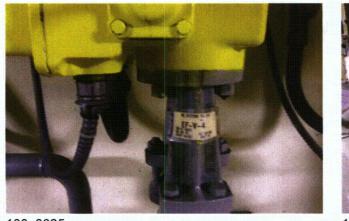
Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: EF-V-0004 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves Equipment Description: EMERG RIVER WATER TO EFW Project: TMI SWEL Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 4 : E OF EF-P-2B Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	EF-V-0004	<u></u>
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	EMERG RIVER WATER TO EFW	
Interaction Effects		
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8. Are overhead equipme	ent, distribution systems, ceiling tiles and lighting, and	Yes
• •	ot likely to collapse onto the equipment?	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	• •	
10. Based on the above se	eismic interaction evaluations, is equipment free of	Yes
	smic interaction effects?	103
Other Adverse Conditions		
	nd found no adverse seismic conditions that could	Yes
adversely affect the sa	fety functions of the equipment?	,
· · · · · · · · · · · · · · · · · · ·		
Comments		
Anchorage check is not application	able. This is in-line equipment.	
Drain line above valve EF-V-00	004 does not contain water.	
Minor oil leakage on valve.		
-	on 001	
See SQ-T1-EF-V-0004, Revisi		х · ·

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Seismic Walkdow	yn Checklist	(SWC)	Status: Y N U
Seisinic Walkuow	II CHECKISI	(3110)	
Equipr	ment ID No.:	EF-V-0004	
Equip	ment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment	Description:	EMERG RIVER WATER TO EFW	
Evaluated by:	Man	S Ene Da	ate: 10/24/2012
	Sa	Bur Seth W. Baker	10/24/2012

Photos





100_3325

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	EF-V-0004	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	EMERG RIVER WATER TO EFW	



100_3333

Seismic Walkdown Checklist (SWC)

Equipment ID No.: EF-V-0030B	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: EFW TO OTSG B FLOW CTRL VALVE	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 6 : E OF EF-P-2B AT	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equip SWEL. The space below each of the following questions may be used to record the results of ju findings. Additional space is provided at the end of this checklist for documenting other comment	udgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

,

Seismic Walkdown Checklist (SW	C)	Status: Y N U
Equipment ID No.: EF-	V-0030B	
Equipment Class: (7)		
	V TO OTSG B FLOW CTRL VALVE	
Interaction Effects		
7. Are soft targets free from im	pact by nearby equipment or structures?	Yes
	stribution systems, ceiling tiles and lighting, and ly to collapse onto the equipment?	Yes
9. Do attached lines have adec	uate flexibility to avoid damage?	Yes
10. Based on the above seismic potentially adverse seismic i	interaction evaluations, is equipment free of nteraction effects?	Yes
Other Adverse Conditions		
	nd no adverse seismic conditions that could unctions of the equipment?	Yes
Comments		
Anchorage check is not applicable.	This is in-line equipment.	
See SQ-T1-EF-V-0030B, Revision 0	00	

Seismic Walkdow	/n Checklist	(SWC)		Status: Y N U
Equipn	nent ID No.:	EF-V-0030B		
Equip	ment Class:	(7) Fluid-Operated Valves		
Equipment	Description:	EFW TO OTSG B FLOW CTRL VALVE		
Evaluated by:	Man	S Elver Mark S. Etre	Date:	10/24/2012
	So	Bun Seth W. Baker		10/24/2012

Photos



IMG_1111



IMG_1112

Seismic Walkdown Checklist (SWC)

Equipment ID No.: E	G-C-2D	
Equipment Class: (2	21) Tanks and Heat Exchangers	
Equipment Description: E	DG B AIR COOLER B RADIATOR	
Project:	TMI SWEL	
Location (Bldg, Elev, Room/Area):	DG, 305.00 ft, 35 : RADIATOR ENCLOSURE AREA EG-Y-1B	,
Manufacturer/Model:	·	
Instructions for Completing Che	ecklist	
SWEL. The space below each of	ument the results of the Seismic Walkdown of an item of equipment or the following questions may be used to record the results of judgments ded at the end of this checklist for documenting other comments.	
Anchorage		
 Is anchorage configuration of SWEL items requiring s 	n verification required (i.e., is the item one of the 50% uch verification)?	Yes
2. Is the anchorage free of b	ent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of co	orrosion that is more than mild surface oxidation?	Yes
		103
4. Is the anchorage free of vi	sible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configura	ation consistent with plant documentation? (Note:	Yes
This question only applies	if the item is one of the 50% for which an anchorage	
configuration verification is	s required.)	
Based on the above anchor potentially adverse seismi	orage evaluations, is the anchorage free of c conditions?	Yes

Seismic Walkdown Checklist	(SWC)		Status: Y] N U
Equipment ID No.:	EG-C-2D			
Equipment Class:	(21) Tanks and Heat Exchang	ers		
Equipment Description:	EDG B AIR COOLER B RADI	ATOR		
Interaction Effects				
	m impact by nearby equipment	or structures?		Yes
	at distribution systems, soiling	tiles and lighting and		Vaa
	nt, distribution systems, ceiling t likely to collapse onto the equ			Yes
9. Do attached lines have	adequate flexibility to avoid da	mage?		Yes
		·		
	ismic interaction evaluations, is smic interaction effects?	equipment free of		Yes
		• . • •		
Other Adverse Conditions		· ·		
-	nd found no adverse seismic con fety functions of the equipment			Yes
Comments INSTALLATION IS CONSISTA	NT WITH DRAWING 11866396			
- Man	& Ethe	_		
Evaluated by:	Mark S. Etre Mark S. Etre Seth W. I	Date:	10/24/2012	
So	Bur Seth W. I	Baker	10/24/2012	

		Status:	Y	Ν	U
Seismic Walkdown Checklist	(SWC)				
Equipment ID No.:	EG-C-2D				
Equipment Class:	(21) Tanks and Heat Exchangers				
Equipment Description:	EDG B AIR COOLER B RADIATOR				

Photos



100_3143

Seismic Walkdown Checklist (SWC)

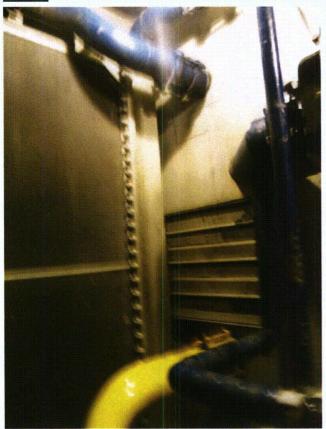
· ,

Equipment ID No.: EG-C-3B	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: EDG B AIR COOLER A RADIATOR	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 35 : RADIATOR ENCLOSURE AREA EG-Y	-1B
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of j findings. Additional space is provided at the end of this checklist for documenting other comme	udgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Ŭ	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5. Is the anchorage configuration consistent with plant documentation? (Note:	Yes
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
-	
6 Based on the choice anchorage evaluations, is the anchorage free of	Vaa
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seism	ic Walkdown Checklis	(SWC)	S	tatus: Y N
	Equipment ID No.:	EG-C-3B		
	Equipment Class:	(21) Tanks and Heat Exchangers		
	Equipment Description:	EDG B AIR COOLER A RADIATOR		
nterac	ction Effects			
7.	Are soft targets free fro	om impact by nearby equipment or struct	tures?	Ye
8.		ent, distribution systems, ceiling tiles and ot likely to collapse onto the equipment?		Υe
9.	Do attached lines have	adequate flexibility to avoid damage?		Ye
10.		eismic interaction evaluations, is equipm smic interaction effects?	ent free of	Ye
<u>Dther</u> 11		nd found no adverse seismic conditions fety functions of the equipment?	that could	Y
<u>Comm</u> NSTA		NT WITH DRAWING 11866396		
Evalua	Manf	Mark S. Etre	Date: 10/24	4/2012
		~		

		Status: Y N U
Seismic Walkdown Checklist	(SWC)	
Equipment ID No.:	EG-C-3B	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	EDG B AIR COOLER A RADIATOR	(1997) - Brits

Photos



Seismic Walkdown Checklist (SWC)

Equipment ID No.: _EG-P-0	001B	
Equipment Class: _(12) Air	Compressors	
Equipment Description: EDG LU	UBE OIL & STARTING AIR/AIR COMPRESSOR	
Project: TM	I SWEL	
Location (Bldg, Elev, Room/Area): DG	, 305.00 ft, 37 : "B" DG BLDG	
Manufacturer/Model:		
Instructions for Completing Checklist	t	
SWEL. The space below each of the fol	t the results of the Seismic Walkdown of an item of equip llowing questions may be used to record the results of ju- t the end of this checklist for documenting other commen	dgments and
Anchorage	· · · · · · · · · · · · · · · · · · ·	
 Is anchorage configuration verifi of SWEL items requiring such verification 	ication required (i.e., is the item one of the 50% erification)?	Yes
2. Is the anchorage free of bent, br	roken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosid	on that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible of	cracks in the concrete near the anchors?	Yes
	consistent with plant documentation? (Note: item is one of the 50% for which an anchorage ired.)	Yes
 Based on the above anchorage potentially adverse seismic cond 	evaluations, is the anchorage free of ditions?	Yes

Seismic Walkdown Checklist (SWC) Equipment ID No.: EG-P-0001B	
Equipment Class: (12) Air Compressors	
Equipment Description: EDG LUBE OIL & STARTING AIR/AIR COMPRESSOR	
······································	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
	_
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
	Yes
potentially adverse seismic interaction effects?	
. ,	•
Other Adverse Conditions	
	Yes
adversely affect the safety functions of the equipment?	

<u>Comments</u>

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EG-P-0001B, Rev 001

Overhead light attached to air duct addressed in SQUG SEWS.

				Status: Y N U
Seismic Walkdow	n Checklist	(SWC)		
Equipm	nent ID No.:	EG-P-0001B		
Equip	ment Class:	(12) Air Compressors		
Equipment I	Description:	EDG LUBE OIL & STARTING AIR/AIR CO	OMPRESSOR	
Evaluated by:	Man	S Elver Mark S. Etre	Date:	10/24/2012
	So	Bur Seth W. Baker		10/24/2012

Photos



Status: Y Seismic Walkdown Checklist (SWC)	NU
Equipment ID No.: EG-T-0001B-1	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: EDG 1B AIR START 1 RESERVOIR	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Sajamia Walkdown Chackligh		Status: Y N U
Seismic Walkdown Checklist		
Equipment ID No.:		
	(21) Tanks and Heat Exchangers	
Equipment Description:	EDG 1B AIR START 1 RESERVOIR	
Interaction Effects 7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes
	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes
	eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Adverse Conditions		
11. Have you looked for a	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
<u>Comments</u> Equipment was verified to be in	n accordance with Seismic Qualification No. SQ-T1-EG-T-0	001B-1, Rev 000

Hairline linear indications (Cracks) in pad will be addressed in Maintenance Rule Inspection R2151812. R2151812 tracks completion of the walkdown and updates the topical report with its results. Judged not to be a potential seismic concern, this is within the acceptance criteria of ACI 349.

Evaluated by:	Man S End Mark S. Etre	Date:	10/24/2012	
	Sun Bern Seth W. Baker		10/24/2012	

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Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	EG-T-0001B-1	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	EDG 1B AIR START 1 RESERVOIR	

Photos



100_3054





100_3055

Seismic Walkdown Checklist (S	WC)	Status: Y N U	
Equipment ID No.: E			
	21) Tanks and Heat Exchangers		
	DG 1B AIR START 2 RESERVOIR TANK		
Project: TMI SWEL			
Location (Bldg, Elev, Room/Area)			
Manufacturer/Model:			
Instructions for Completing Checklist			
SWEL. The space below each of	ument the results of the Seismic Walkdown of an item of ea the following questions may be used to record the results o ided at the end of this checklist for documenting other comr	f judgments and	
Anchorage			
 Is anchorage configuratio of SWEL items requiring s 	n verification required (i.e., is the item one of the 50% such verification)?	Yes	
2. Is the anchorage free of b	ent, broken, missing or loose hardware?	Yes	
3. Is the anchorage free of c	orrosion that is more than mild surface oxidation?	Yes	
4. Is the anchorage free of v	isible cracks in the concrete near the anchors?	Yes	
	ation consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage s required.)	Yes	
Based on the above anch potentially adverse seism	orage evaluations, is the anchorage free of ic conditions?	Yes	

Seismic Walkdowr	n Checklist (SWC)	Status: Y N U		
• •	ent ID No.: EG-T-0001B-2			
	nent Class: (21) Tanks and Heat Exchangers			
	Description: EDG 1B AIR START 2 RESERVOIR TANK			
Interaction Effects 7. Are soft tar	gets free from impact by nearby equipment or structures?	Yes		
7. Ale solt lar	gets nee norm impact by hearby equipment of structures?	165		
8. Are overhea	ad equipment, distribution systems, ceiling tiles and lighting, and	Yes		
masonry blo	masonry block walls not likely to collapse onto the equipment?			
9. Do attached	d lines have adequate flexibility to avoid damage?	Yes		
	he above seismic interaction evaluations, is equipment free of	Yes		
potentially a	adverse seismic interaction effects?			
	· · · · · · · · · · · · · · · · · · ·			
<u>Other Adverse Co</u>				
•	ooked for and found no adverse seismic conditions that could	Yes		
auversely a	affect the safety functions of the equipment?			
<u>Comments</u>				
Equipment was veri	ified to be in accordance with Seismic Qualification No. SQ-T1-EG-	T-0001B-2, Rev 000		
Hairline linear indica	ations (Cracks) in pad will be addressed in Maintenance Rule Inspe	ction R2151812.		
R2151812 tracks co	ompletion of the walkdown and updates the topical report with its res			
potential seismic co	oncern, this is within the acceptance criteria of ACI 349.			
	m. 11 ET			
Evaluated by:	Man S Che Mark S. Etre Date: SunBur Seth W. Baker	10/24/2012		
) - Busi				
	Seth W. Baker	10/24/2012		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	EG-T-0001B-2		
Equipment Class:	(21) Tanks and Heat Exchangers		
Equipment Description:	EDG 1B AIR START 2 RESERVOIR TANK		

Photos







100_3071

Status: Y	NU
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: EG-Y-0001B	
Equipment Class: (17) Engine-Generators	
Equipment Description: EMERGENCY DIESEL GENERATOR 1B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: EG-Y-0001B	
Equipment Class: (17) Engine-Generators	
Equipment Description: EMERGENCY DIESEL GENERATOR 1B	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

Comments

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EG-Y-0001B, Rev 002

Hairline linear indications (Cracks) in pad will be addressed in Maintenance Rule Inspection R2151812. R2151812 tracks completion of the walkdown and updates the topical report with its results. Judged not to be a potential seismic concern, this is within the acceptance criteria of ACI 349.

	Mand & Eliet			
Evaluated by:	Mark S. Etre	Date:	10/24/2012	
	Sun Bur Seth W. Baker		10/24/2012	

Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	EG-Y-0001B
Equipment Class:	(17) Engine-Generators
Equipment Description:	EMERGENCY DIESEL GENERATOR 1B

Photos



100_3084



100_3094

100_3093

	Status: Y N U
Seismic Walkdown Checklist (SWC)	-
Equipment ID No.: HSPS-CH-2	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: HSPS CHANNEL 2	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): CB, 338.50 ft, 27	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Anchorage	,
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

<u>~</u> ·			Status: Y N U
Seism	ic Walkdown Checklist	(SWC)	
	Equipment ID No.:	HSPS-CH-2	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	HSPS CHANNEL 2	
Intera	ction Effects	·	
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
•			
Other	Adverse Conditions		
11.	adversely affect the sat	Id found no adverse seismic conditions that could fety functions of the equipment? for other adverse Seismic conditions has not been	Yes

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-HSPS-CAB-A2, Rev 001.

	Man S End			
Evaluated by:	Mark S. Etre	Date:	10/24/2012	
	Sun Ber Seth W. Baker		10/24/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	HSPS-CH-2
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	HSPS CHANNEL 2

Photos





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100_3553

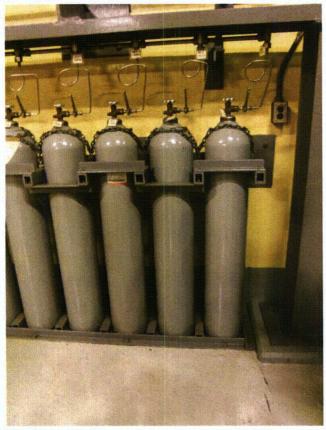


Status: Y Seismic Walkdown Checklist (SWC)	NU
Equipment ID No.: IA-T-0007B	
Equipment Class: (0) Other	
Equipment Description: 2 HR AIR BOTTLE TO "B" TRAIN	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37	
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on th SWEL. The space below each of the following questions may be used to record the results of judgments an findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checkl	st (SWC)	Status: Y N U
Equipment ID No		
Equipment Clas		
	2 HR AIR BOTTLE TO "B" TRAIN	
Interaction Effects		
7. Are soft targets free	from impact by nearby equipment or st	ructures? Yes
· · ·		·
	nent, distribution systems, ceiling tiles not likely to collapse onto the equipme	
9. Do attached lines ha	ve adequate flexibility to avoid damage	e? Yes
	seismic interaction evaluations, is equ eismic interaction effects?	ipment free of Yes
		· .
Other Adverse Conditions		
-	and found no adverse seismic conditic safety functions of the equipment?	ons that could Yes
Comments	· · · · · · · · · · · · · · · · · · ·	
	e in accordance with Seismic Qualificat	ion No. SQ-T1-IA-T-0007B, Rev 000
R2151812 tracks completion	acks) in pad will be addressed in Main of the walkdown and updates the topi is is within the acceptance criteria of A	cal report with its results. Judged not to be a
Ma	1 S End	
Evaluated by:	Mark S. Etre Mark S. Etre Seth W. Bake	Date: 10/24/2012

		Status:	Y	Ν	U
Seismic Walkdown Checklist	(SWC)				
Equipment ID No.:	IA-T-0007B				
Equipment Class:	(0) Other				
Equipment Description:	2 HR AIR BOTTLE TO "B" TRAIN				

Photos





Status:	Y	Ν	U
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Seismic Walkdown Checklist (SWC)

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Equipment ID No.: IA-T-0019	
Equipment Class: (0) Other	
Equipment Description: AIR ACCUMULATOR FOR FW-V-16B/17B	
Project: TMI SWEL	
Location (Bldg, Elev, Room/Area):IB, 322.00 ft, 1 : ON WALL EAST OF VALVE	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmen SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Yes
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions?	

Seiemie Malkdown Checklist (SMC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: IA-T-0019	
Equipment Class: (0) Other	
Equipment Description: AIR ACCUMULATOR FOR FW-V-16B/17B	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
· · ·	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls not likely to collapse onto the equipment?	
0 De etterhed lines have adaquete flovibility to avoid damago?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	165
10. Based on the above seismic interaction evaluations, is equipment free of	Yes
potentially adverse seismic interaction effects?	
Other Adverse Conditions	Vaa
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
See SQ-T1-IA-T-0019, Revision 001	
Evaluated by: Mark S. Etre Date:	10/24/2012
Evaluated by: Mark S. Etre Date:	
Sun Seth W. Baker	10/24/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	IA-T-0019
Equipment Class:	(0) Other
Equipment Description:	AIR ACCUMULATOR FOR FW-V-16B/17B

Photos





IMG_1141

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	IA-T-0019				
Equipment Class:	(0) Other			2 mil	
Equipment Description:	AIR ACCUMULATOF	R FOR FW-V-16B/17B	3		
	12 . 1	n	·	an Al	



IMG_1148

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipm	ent ID No.: MS	S-PT-1184	·		
Equipn	nent Class: (18	 Instruments on Rac 	ks		
Equipment D	Description: OT	SG "B" STEAM PRE	SSURE TRANSMITTE	ER	
	Project:	TMI SWEL			
Location (Bldg, Ele	v, Room/Area):	RB, 308.00 ft, 39 : "I	D" MS LINE ACROSS	FROM STAIRS	
Manu	facturer/Model:			、 	
Instructions for C	• •				
SWEL. The space	below each of the	ne following questions		of an item of equipment o rd the results of judgment ting other comments.	
Anchorage					
		verification required (ch verification)?	i.e., is the item one of	the 50%	
2. Is the anch	orage free of be	nt, broken, missing or	loose hardware?		
3. Is the anch	orage free of co	rrosion that is more th	an mild surface oxida	ition?	
4. Is the anch	orage free of vis	ible cracks in the con	crete near the anchor	s?	
This quest		f the item is one of th	ant documentation? (I e 50% for which an ar		
	he above ancho adverse seismic	rage evaluations, is th conditions?	ne anchorage free of		

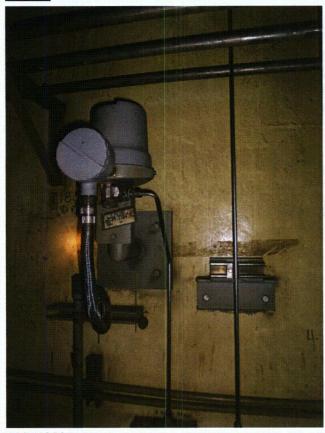
Seismi	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	MS-PT-1184	
		(18) Instruments on Racks	
	Equipment Description:		. <u> </u>
Interac	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	• •	nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
041-04	A.4		
-		nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
<u>Comm</u>	ients		

See SQ-T1-MS-PT-1184, Rev 0

Conduit lid nearby above equipment one bolt of two installed as documented in IR 1404814. Not an issue Seismically, electrical personnel issue.

				Status: Y	N	U
Seismic Walkdo	wn Checklist	(SWC)				
Equipment ID No.:		MS-PT-1184				
Equi	pment Class:	(18) Instruments on Racks				
Equipment	t Description:	OTSG "B" STEAM PRESSURE TRANSMITTER				
	Man	S Elve				
Evaluated by:		Mark S. Etre	Date:	10/24/2012		
	Juan	Ages hum a literat		10/0/12		
	\sim	Juan A. López		10/9/12		

Photos





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