

# C

## Seismic Walkdown Checklists (SWCs)

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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.

**Table C-1. Summary of Seismic Walkdown Checklists**

ID	Description	Anchorage Configuration Confirmed?	Area Walk-By	Comments	Page
1B	ENGINEERED SAFEGUARDS CABINET 1B	Y	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	Y	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	
3B	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

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
CC	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 VALVE	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 1B	Y	22		C- 91
EED-BC-1B	BATTERY CHARGER 1B	Y	24		C- 94

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ID	Description	Anchorage Configuration Confirmed?	Area Walk-By	Comments	Page
EED-BC-1D	BATTERY CHARGER 1D	Y	24		C- 97
EED-BC-1F	BATTERY CHARGER 1F	Y	24		C- 100
EED-PNL-1B	125/250V DC DIST PANEL 1B	N	24	Deferred - risk management	
EE-INV-1B	INVERTER 1B ELEM6	Y	24		C- 103
EE-INV-1F	1F INVERTER	Y	24		C- 106
EE-PNL-VBB	VBB 120 VAC PANEL	Y	24		C- 109
EF-FT-0782	EFW TO B OTSG FLOW TRANSMITTER	Y	6		C- 112
EF-P-0001	STEAM DRIVEN EMERGENCY FEED PUMP	Y	5		C- 115
EF-P-0002B	EMERGENCY FEED PUMP B	Y	6		C- 118
EF-V-0001B	EFW PUMPS SUCTION CROSS CONNECT VALVE	N/A	5		C- 121
EF-V-0004	EMERG RIVER WATER TO EFW	N/A	4		C- 124
EF-V-0030B	EFW TO OTSG B FLOW CTRL VALVE	N/A	6		C- 128
EG-C-2D	EDG B AIR COOLER B RADIATOR	Y	35		C- 131
EG-C-3B	EDG B AIR COOLER A RADIATOR	Y	35		C- 134
EG-P-0001B	EDG LUBE OIL & STARTING AIR/AIR COMPRESSOR	Y	37		C- 137
EG-T-0001B-1	EDG 1B AIR START 1 RESERVOIR	Y	37		C- 140
EG-T-0001B-2	EDG 1B AIR START 2 RESERVOIR TANK	Y	37		C- 143
EG-Y-0001B	EMERGENCY DIESEL GENERATOR 1B	Y	37		C- 146
HSPS-CH-2	HSPS CHANNEL 2	Y	27		C- 149
IA-T-0007B	2 HR AIR BOTTLE TO "B" TRAIN	Y	37		C- 152
IA-T-0019	AIR ACCUMULATOR FOR FW-V-16B/17B	Y	1		C- 155
MS-PT-1184	OTSG "B" STEAM PRESSURE TRANSMITTER	Y	39		C- 159
MS-V-0001C	CONT ISOL B OTSG MS ISOL VALVE	Y	44		C- 162
MS-V-0002B	CONT ISOL B OTSG ISOL TO ATMOS	N/A	5		C- 165
MS-V-0004B	ATMOSPHERIC DUMP VALVE FOR 'B' OTSG	N/A	5		C- 168
MU-FT-1127	HPI THRU MU-V-16B FLOW TRANSMITTER	Y	15		C- 171

Table C-1 Page 3 of 5

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

Table C-1 Page 4 of 5

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 1B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ENGINEERED SAFEGUARDS CABINET 1B

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**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 |

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**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 |
|--|-----|

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**Comments**

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.



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 1B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ENGINEERED SAFEGUARDS CABINET 1B

Evaluated by: *Mark S. Etre*

Mark S. Etre

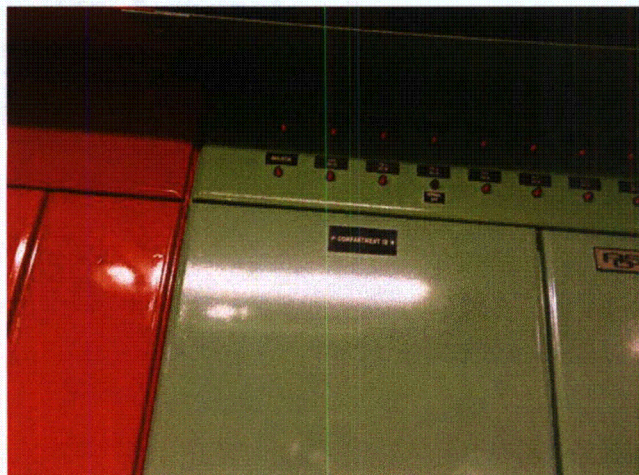
Date: 10/24/2012

*Seth W. Baker*

Seth W. Baker

10/24/2012

**Photos**



100\_3606



100\_3608

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 1B-480V-ESF

Equipment Class: (1) Motor Control Centers

Equipment Description: 1B-480V-ESF VENT BUILDING MCC

Project: TMI SWEL

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 1B-480V-ESF

Equipment Class: (1) Motor Control Centers

Equipment Description: 1B-480V-ESF VENT BUILDING MCC

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**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 |

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**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 |
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**Comments**

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

This equipment has External Welds

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Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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

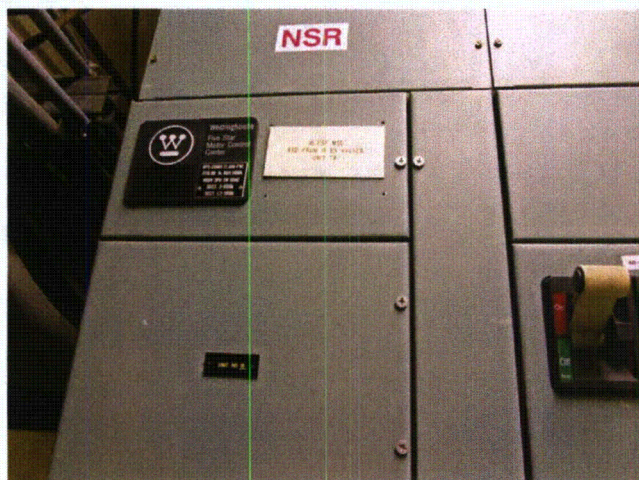
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*Seth W. Baker*

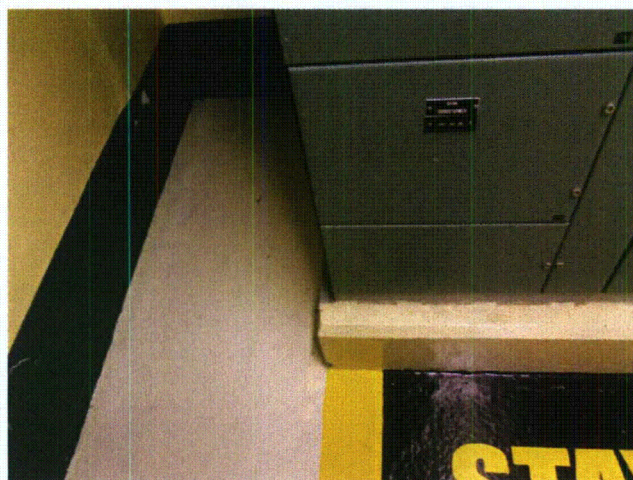
Seth W. Baker

10/24/2012

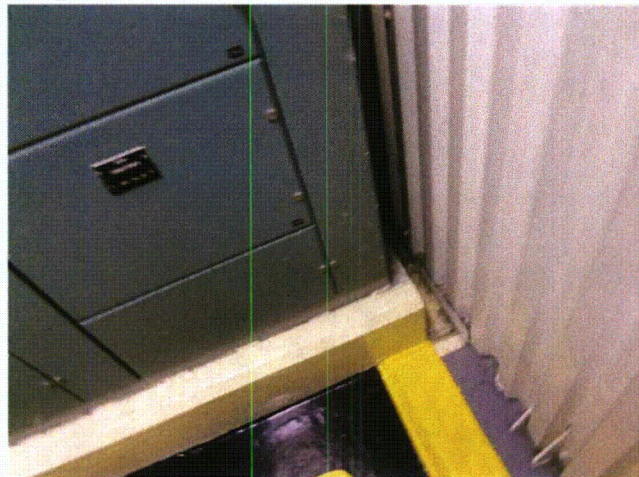
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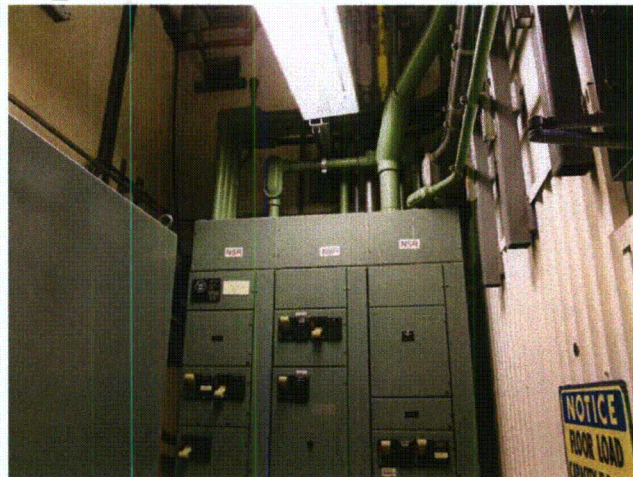
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100\_3744

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 3B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 3B

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**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 |

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**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 |
|--|-----|

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**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.

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 3B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 3B

Evaluated by: *Mark S. Etre*

Mark S. Etre

Date: 10/24/2012

*Seth W. Baker*

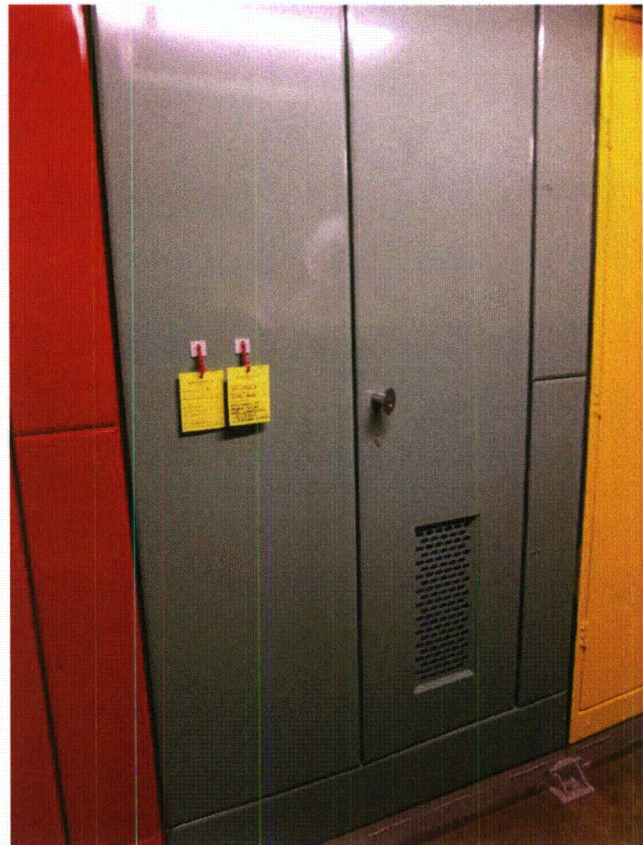
Seth W. Baker

10/24/2012

**Photos**



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100\_3618

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 4B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 4B

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% 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 potentially adverse seismic conditions? Yes



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 4B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 4B

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**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 |

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**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 |
|--|-----|

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**Comments**

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: 4B

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESAS ACTUATION CABINET 4B

Evaluated by: *Mark S. Etre*

Mark S. Etre

Date: 10/24/2012

*Seth W. Baker*

Seth W. Baker

10/24/2012

**Photos**



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100\_3641

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

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% 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 potentially adverse seismic conditions? Yes

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

**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**

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

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

Evaluated by: *Mark S. Etre*

Mark S. Etre

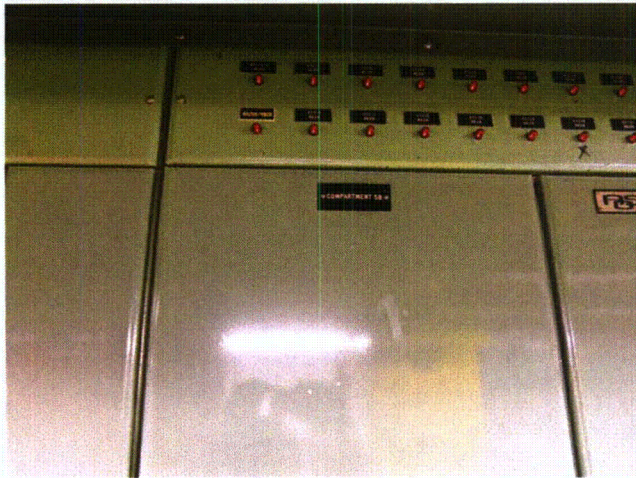
Date: 10/24/2012

*Seth W. Baker*

Seth W. Baker

10/24/2012

**Photos**



100\_3631



100\_3632

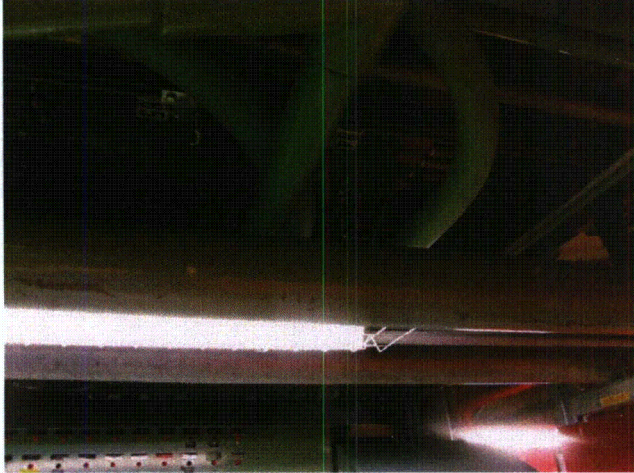
Status:  Y  N  U

**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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-C-0004B

Equipment Class: (11) Chillers

Equipment Description: CONTROL BUILDING CHILLER

**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**

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 consistent 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 Walkdown Checklist (SWC)**

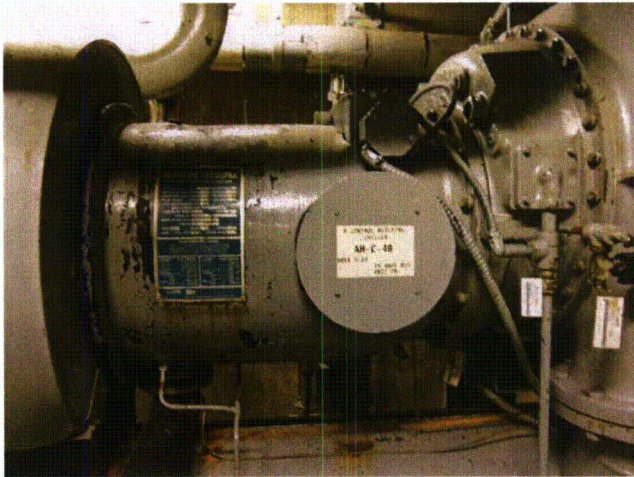
Equipment ID No.: AH-C-0004B

Equipment Class: (11) Chillers

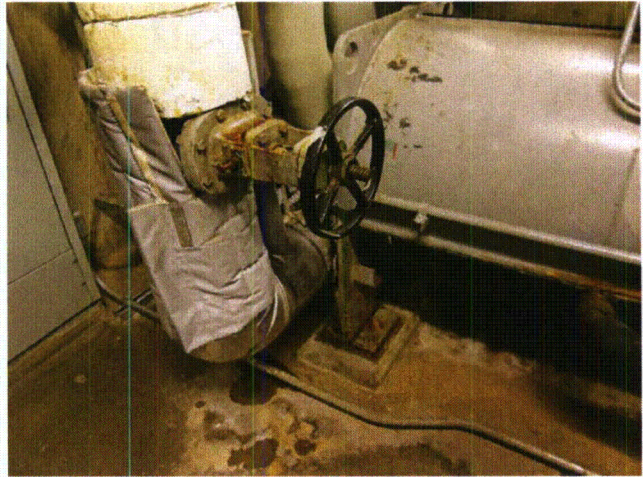
Equipment Description: CONTROL BUILDING CHILLER

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

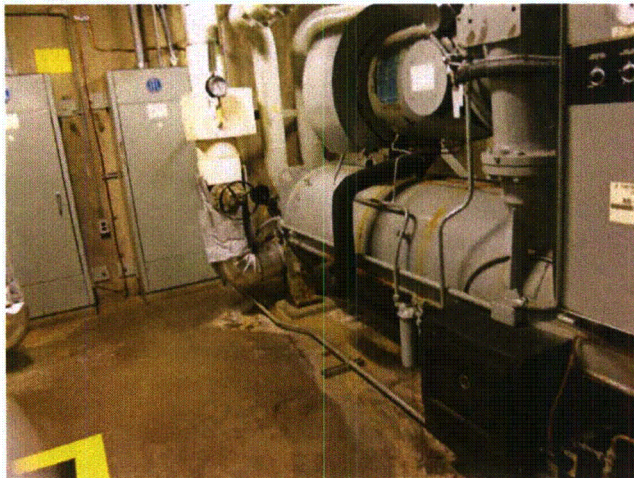
**Photos**



100\_3668



100\_3669



100\_3672

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-0008A

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:

**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
  
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.: AH-E-0008A

Equipment Class: (9) Fans

Equipment Description: SPENT FUEL PUMP ROOM A 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 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-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.

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

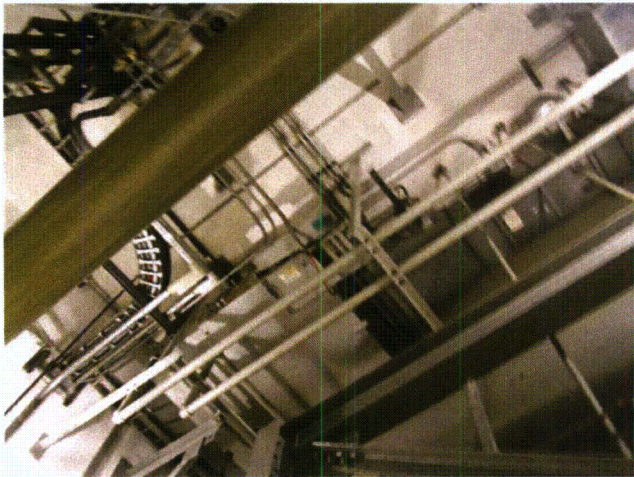
Equipment ID No.: AH-E-0008A

Equipment Class: (9) Fans

Equipment Description: SPENT FUEL PUMP ROOM A FAN

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3234

Status:  Y  N  U

**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

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): AB, 305.00 ft, 12

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
  
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.: 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 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**

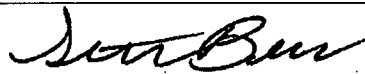
Equipment was verified to be in accordance with Seismic Qualification SQ-T1-AH-E-0015B Rev 000

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

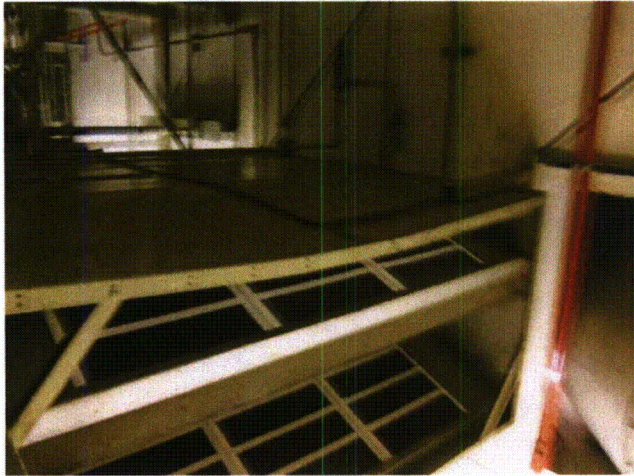
**Seismic Walkdown Checklist (SWC)**

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

**Seismic Walkdown 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 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)?  | 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            |
| 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.) | 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 (SWC)**

Equipment ID No.: AH-E-0024B

Equipment Class: (9) Fans

Equipment Description: EMERG FEED PUMP COOLER 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 looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

**Comments**

Based on inspection from floor level, could not access the ceiling.

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-AH-E-0024B, Rev 000

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

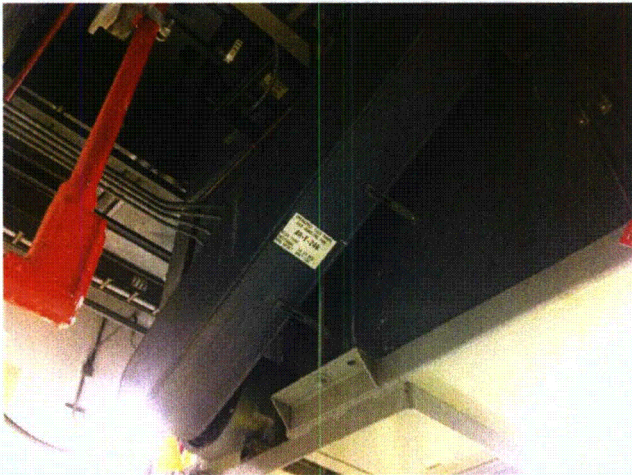
Equipment ID No.: AH-E-0024B

Equipment Class: (9) Fans

Equipment Description: EMERG FEED PUMP COOLER FAN

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

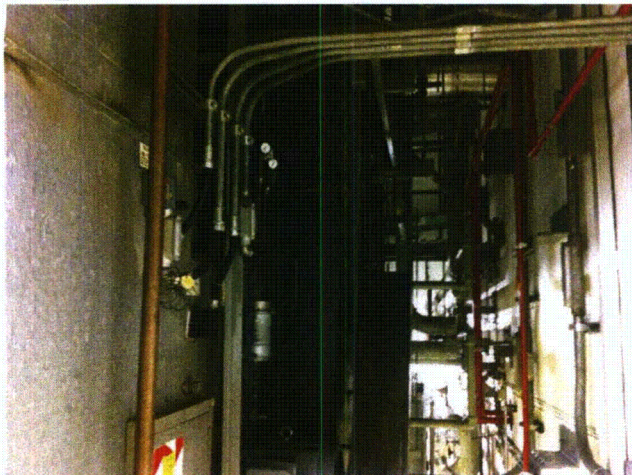
**Photos**



IMG\_1122



IMG\_1123



IMG\_1131

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) FAN EQUIPMEN

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 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)? 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
  
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.) Not Applicable
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No

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

**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**

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: 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

Evaluated by: *Mark S. Etre*

Mark S. Etre

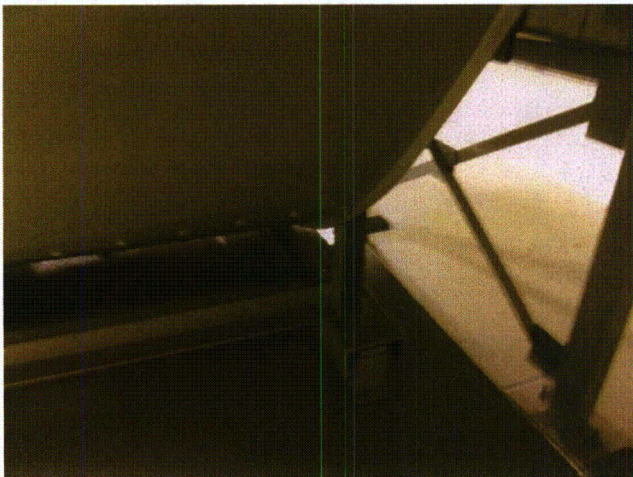
Date: 10/24/2012

*Seth W. Baker*

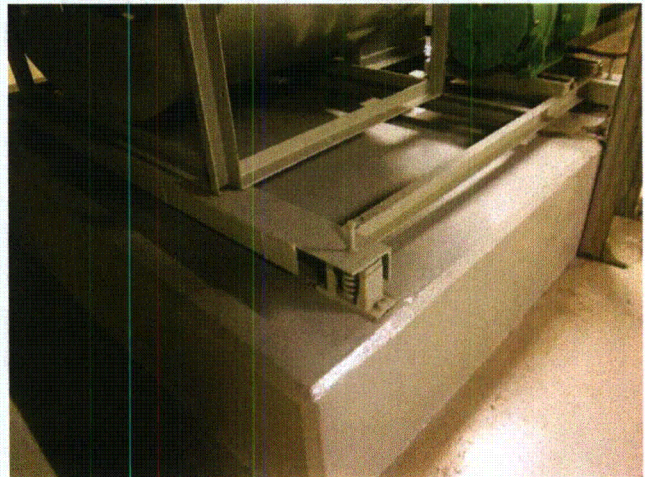
Seth W. Baker

10/24/2012

**Photos**



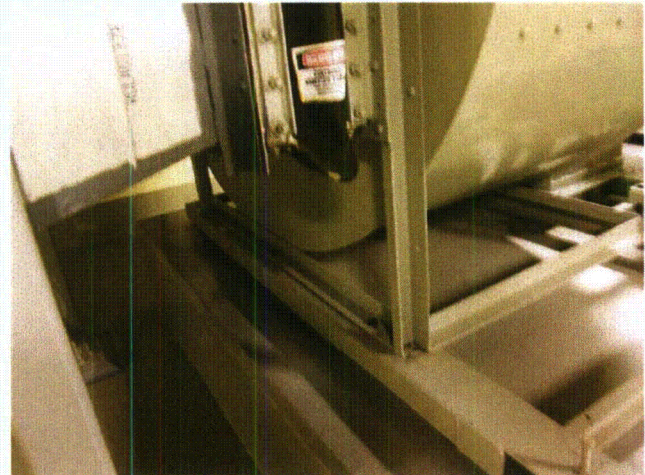
100\_3175



100\_3177



100\_3178



100\_3368

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-19B

Equipment Class: (9) Fans

Equipment Description: CONTROL BUILDING B RETURN AIR FAN

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 380.00 ft, 26 : CONTROL BUILDING, 5TH FLOOR, "B" EQUIPME NT 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 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)? 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
  
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.) 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 (SWC)**

Equipment ID No.: AH-E-19B

Equipment Class: (9) Fans

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

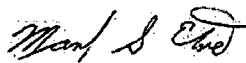
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

**Comments**

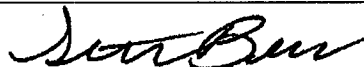
See Drawing 4W-66468 Sheet 14 dated 8-5-68

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

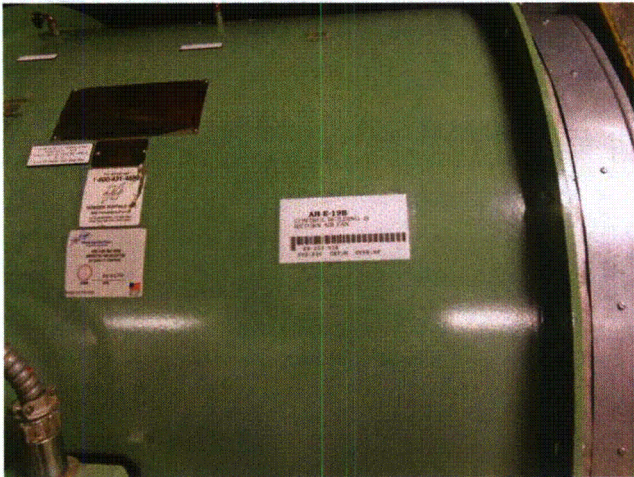
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-19B

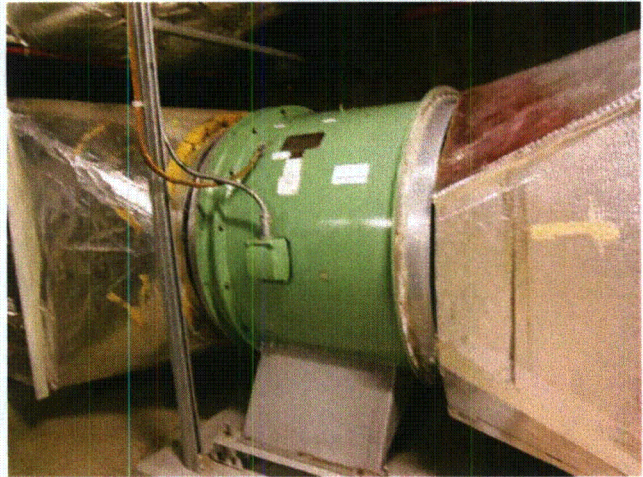
Equipment Class: (9) Fans

Equipment Description: CONTROL BUILDING B RETURN AIR FAN

**Photos**



100\_3162



100\_3163



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-1B

Equipment Class: (9) Fans

Equipment Description: REACTOR 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 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
  
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.: 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, 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**

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

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-1B

Equipment Class: (9) Fans

Equipment Description: REACTOR BLDG COOLING FAN

Evaluated by: *Mark S. Etre*

Mark S. Etre

Date: 10/24/2012

*Juan A. López*

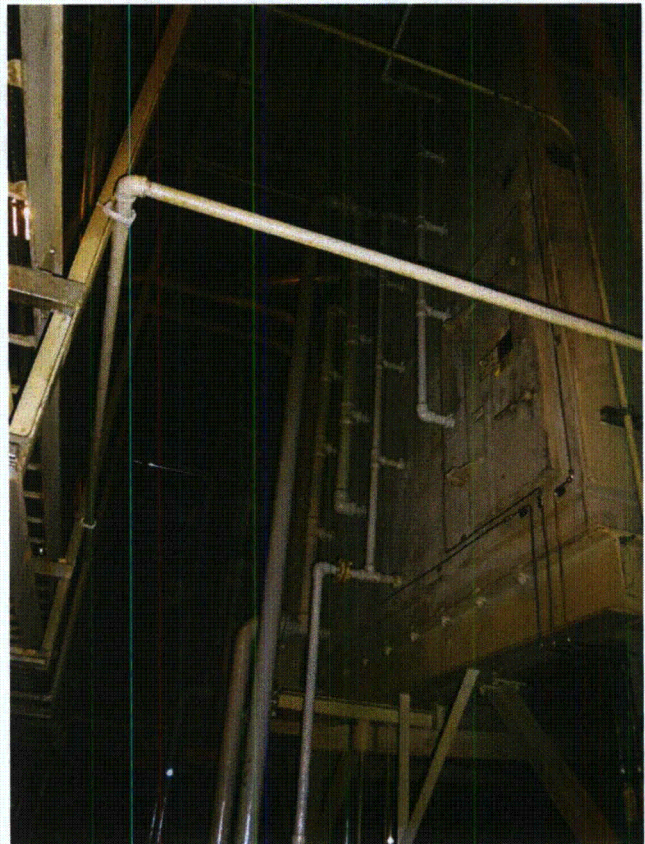
Juan A. López

10/9/12

**Photos**



100\_4130



100\_4132

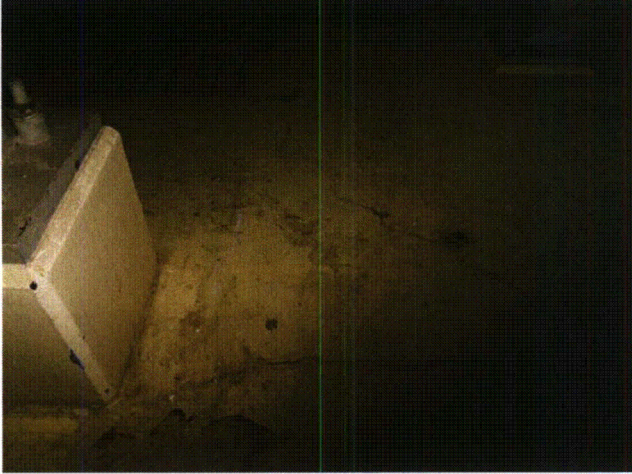
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-1B

Equipment Class: (9) Fans

Equipment Description: REACTOR BLDG COOLING FAN



100\_4138

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-95B

Equipment Class: (9) Fans

Equipment Description: CONTROL BUILDING 2ND FLOOR B BOOSTER FAN

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 18 : 322' CONTROL BUILDING 10' ABOVE 1S 480V SWITCHGEAR.

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
  
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.: AH-E-95B

Equipment Class: (9) Fans

Equipment Description: CONTROL BUILDING 2ND FLOOR B BOOSTER 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 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-T1-826-001, Rev 000

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

Status:  Y  N  U

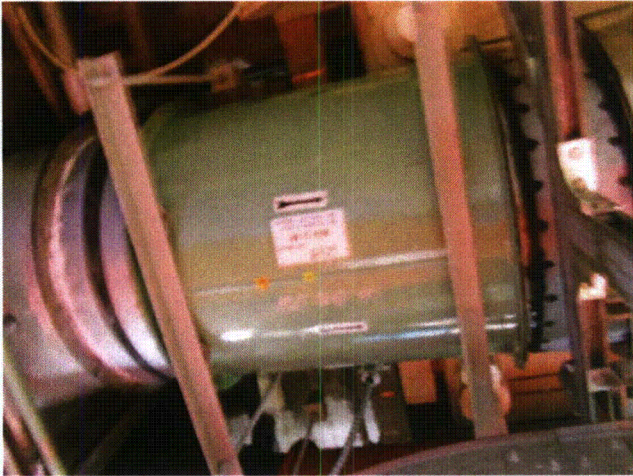
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: AH-E-95B

Equipment Class: (9) Fans

Equipment Description: CONTROL BUILDING 2ND FLOOR B BOOSTER FAN

**Photos**



100\_3420

Status:  Y  N  U

**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

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): AB, 305.00 ft, 13 : ON RB WALL ABOVE IC-F-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 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 potentially adverse seismic conditions? Yes



Status:  Y  N  U

**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

**Interaction Effects**

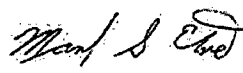
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

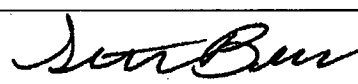
**Other Adverse Conditions**

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 SQ-T1-BS-PS0286/0933 Rev 000

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

 Seth W. Baker 10/24/2012

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: BS-PS-0933

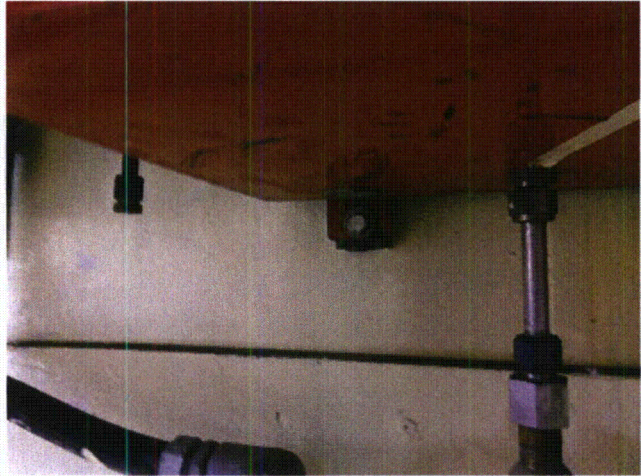
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: RB PRESSURE SWITCH FOR ESAS ACTUATION

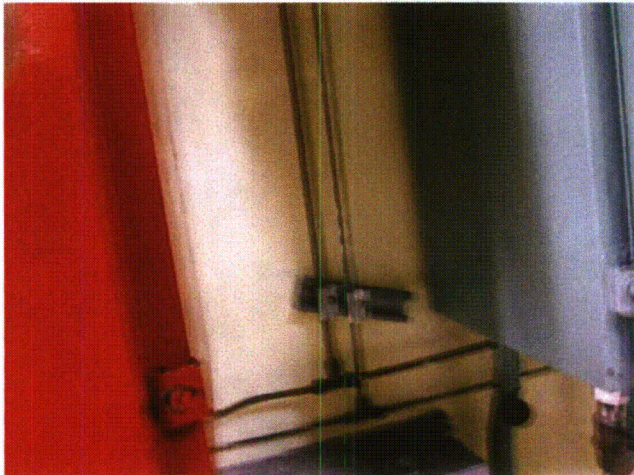
**Photos**



100\_3810



100\_3814



100\_3819

Status:  Y  N  U

### 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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1061

Equipment Class: (18) Instruments on Racks

Equipment Description: CONDENSATE STORAGE TANK A LEVEL 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 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

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Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1061

Equipment Class: (18) Instruments on Racks

Equipment Description: CONDENSATE STORAGE TANK A LEVEL TRANSMITTER

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3336



100\_3340

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1062

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 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 potentially adverse seismic conditions?  | Yes |

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1062

Equipment Class: (18) Instruments on Racks

Equipment Description: CONDENSATE STORAGE TANK B LEVEL TRANSMITTER

**Interaction Effects**

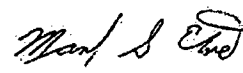
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

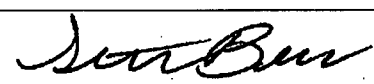
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

**Comments**

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

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

 Seth W. Baker 10/24/2012

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1062

Equipment Class: (18) Instruments on Racks

Equipment Description: CONDENSATE STORAGE TANK B LEVEL TRANSMITTER

**Photos**



100\_3346



100\_3349



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

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 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 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

**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**

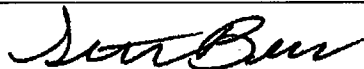
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-CO-LT-1063, Rev 000

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

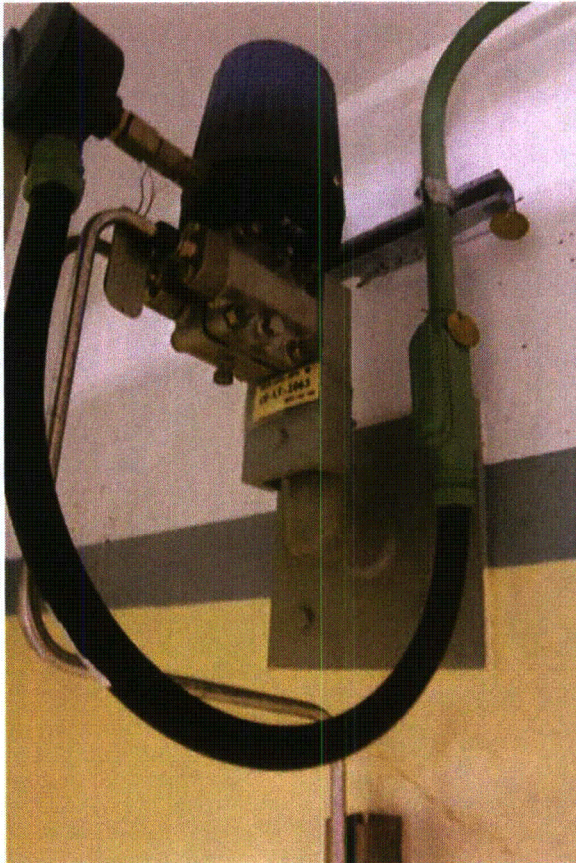
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CO-LT-1063

Equipment Class: (18) Instruments on Racks

Equipment Description: CONDENSATE STORAGE TANK B LEVEL TRANSMITTER

**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 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 potentially adverse seismic conditions? Yes

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

**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**

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 Walkdown Checklist (SWC)**

Equipment ID No.: CO-T-0001B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: CONDENSATE STORAGE TANK 1B

Evaluated by: *Mark S. Etre*

Mark S. Etre

Date: 10/24/2012

*Seth W. Baker*

Seth W. Baker

10/24/2012

**Photos**



IMG\_1168



IMG\_1171



IMG\_1172



IMG\_1173

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

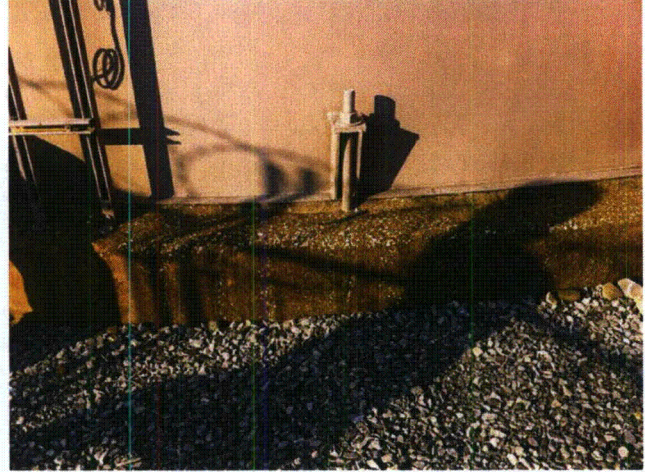
Equipment ID No.: CO-T-0001B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: CONDENSATE STORAGE TANK 1B



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 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)?  | 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 |
| 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.) | 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 (SWC)**

Equipment ID No.: CO-V-0010B

Equipment Class: (0) Other

Equipment Description: CONDENSATE TANK B ISOL VALVE

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**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 |

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**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 |
|--|-----|

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**Comments**

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

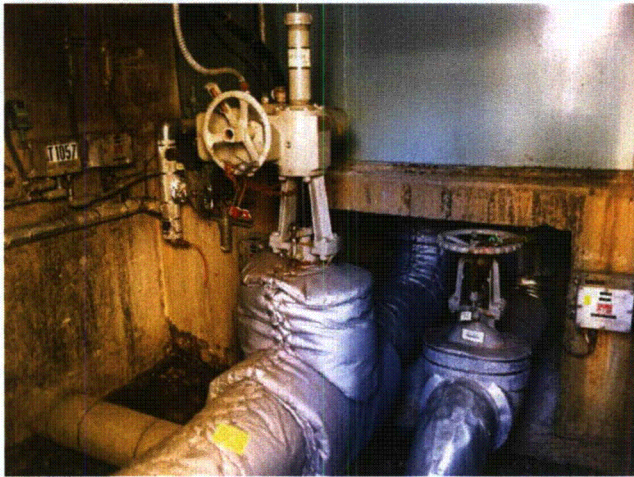
Equipment ID No.: CO-V-0010B

Equipment Class: (0) Other

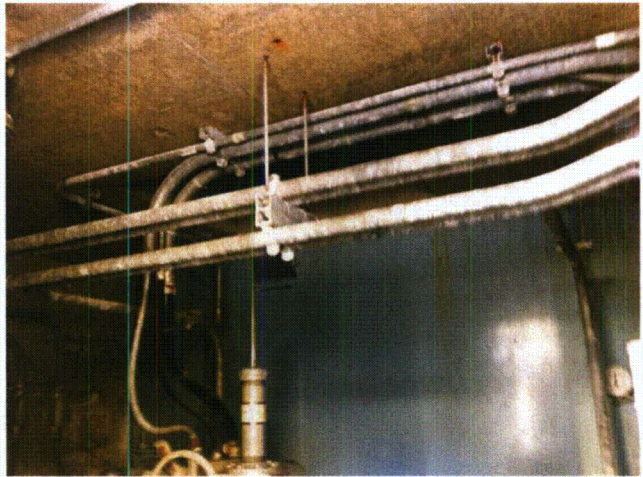
Equipment Description: CONDENSATE TANK B ISOL VALVE

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



IMG\_1179



IMG\_1181

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CRD-CB-1D

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CRD CIRCUIT BREAKER 1D

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CRD-CB-1D

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CRD CIRCUIT BREAKER 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?<br><i>Internal Inspections for other adverse Seismic conditions has not been performed.</i> | Yes |
|--|-----|


**Comments**

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-CRD-CB-1A/1D,REV 000

The file name is: SQ-T1-CRD-CB-1A/1D

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

Evaluated by:



Mark S. Etre

Date: 10/24/2012

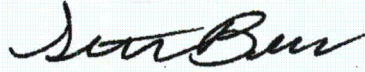
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: CRD-CB-1D

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CRD CIRCUIT BREAKER 1D



Seth W. Baker

10/24/2012

**Photos**



100\_3559



100\_3564

Status:  Y  N  U

**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 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)?  | 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 |
| 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.) | 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 (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

**Interaction Effects**

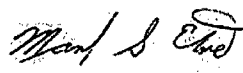
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

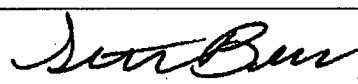
**Other Adverse Conditions**

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-DF-FI-1151, Rev 000

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

 Seth W. Baker 10/24/2012

Status:  Y  N  U

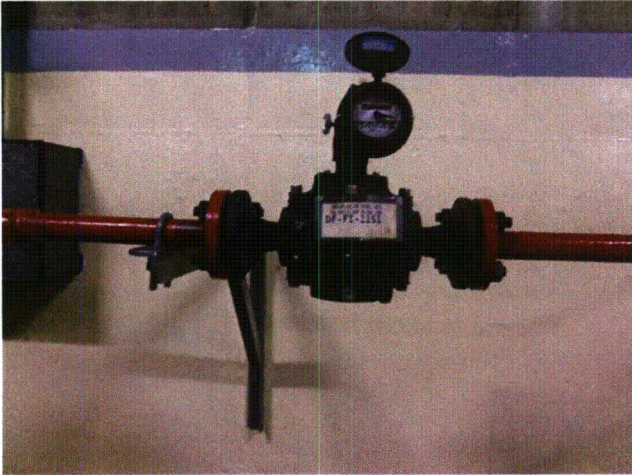
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DF-FI-1151

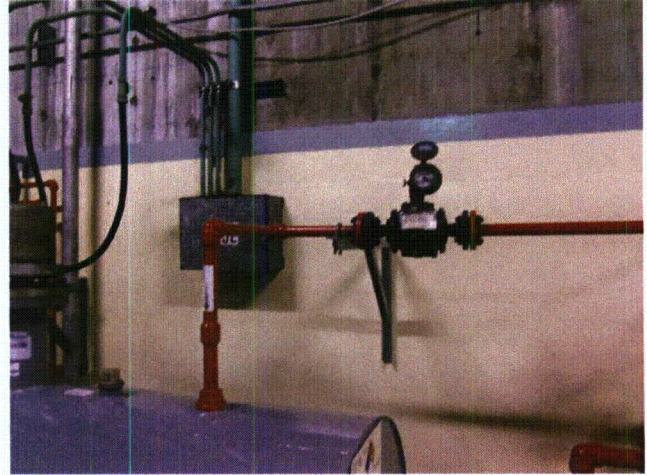
Equipment Class: (18) Instruments on Racks

Equipment Description: EDG/FUEL OIL/DF-P-1C/1D TO DF-T-2B FLOW INDICATOR

**Photos**



100\_3079



100\_3080



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

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B"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 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)? 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
  
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.) 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 (SWC)**

Equipment ID No.: DF-LI-J500B

Equipment Class: (18) Instruments on Racks

Equipment Description: EDG/FUEL OIL/DF-T-2B LEVEL INDICATOR

**Interaction Effects**

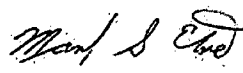
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Not Applicable
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-DF-LI-J500B, Rev 000

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

 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**



100\_3112

Status:  Y  N  U

### Seismic Walkdown Checklist (SWC)

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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-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 Walkdown Checklist (SWC)**

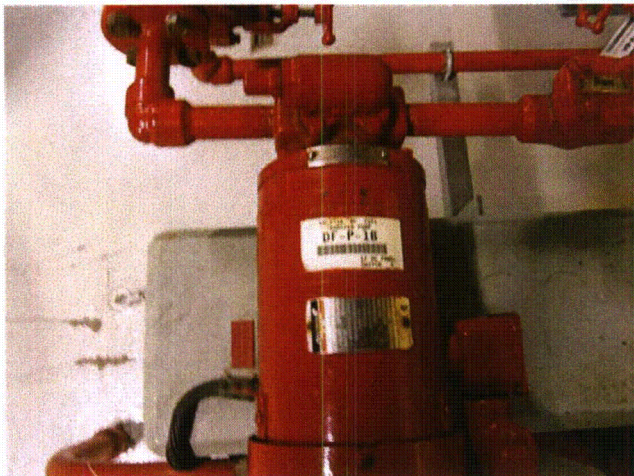
Equipment ID No.: DF-P-0001B

Equipment Class: (5) Horizontal Pumps

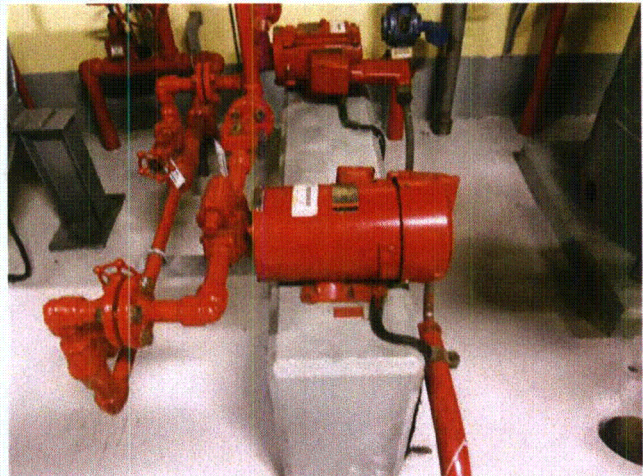
Equipment Description: EDG FUEL OIL/DIESEL FUEL TRANSFER PUMP B (DC)

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

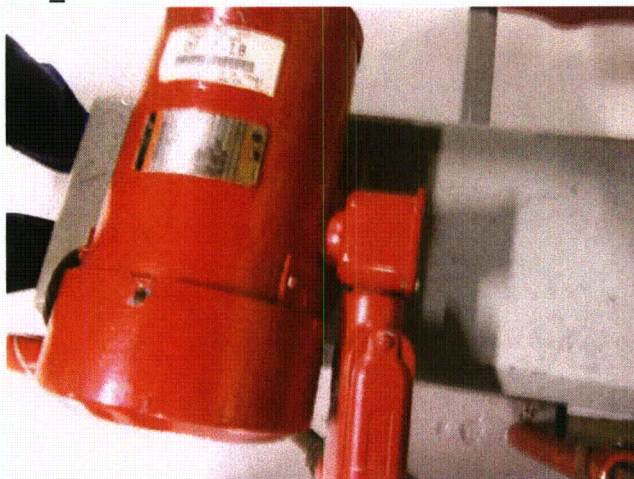
**Photos**



100\_3121



100\_3124



100\_3127

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

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
  
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.: 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 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**

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 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

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3076

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DH-V-0005B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: BWST TO DH PUMPS

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): AB, 281.00 ft, 15 : ON DIVIDING WALL S. FACE

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)?  | 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 |
| 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.) | 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 (SWC)**

Equipment ID No.: DH-V-0005B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: BWST TO DH PUMPS

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**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**

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

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Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

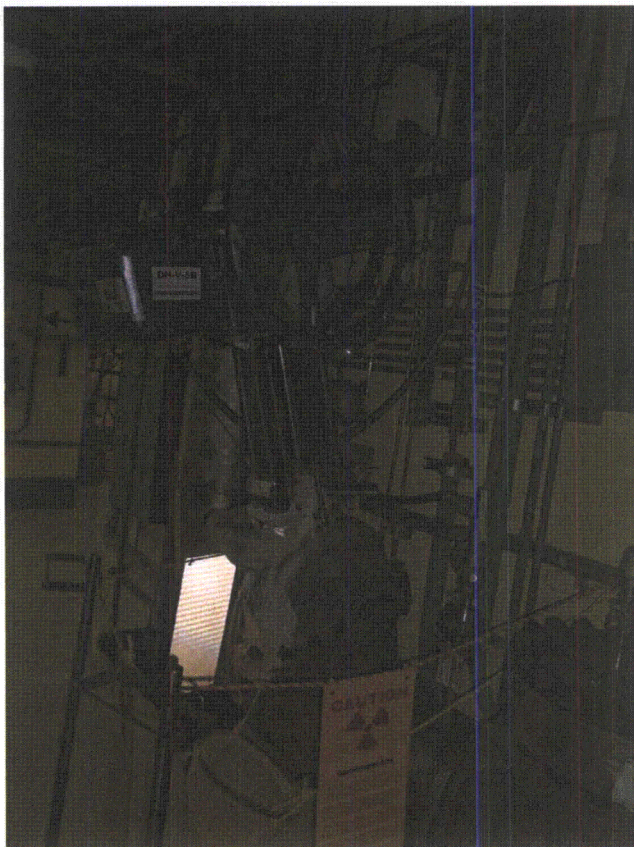
Equipment ID No.: DH-V-0005B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: BWST TO DH PUMPS

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3875

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions?  | Yes |

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DR-P-1B

Equipment Class: (6) Vertical Pumps

Equipment Description: DECAY HEAT RIVER PMP

**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-DR-P-1B, Rev 000

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DR-P-1B

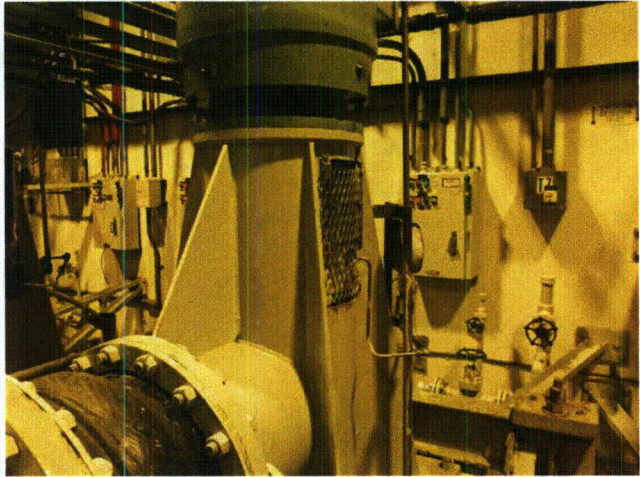
Equipment Class: (6) Vertical Pumps

Equipment Description: DECAY HEAT RIVER PMP

**Photos**



100\_3720



100\_3722

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DR-S-1B

Equipment Class: (0) Other

Equipment Description: DECAY RIVER STRAINER

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): IPH, 308.00 ft, 28 : UNIT ONE SCREEN HOUSE BETWEEN DR-P-1B AN  
D DR-V-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% 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 potentially adverse seismic conditions? Yes



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DR-S-1B

Equipment Class: (0) Other

Equipment Description: DECAY RIVER STRAINER

**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-DR-S-1B, Rev 000

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: DR-S-1B

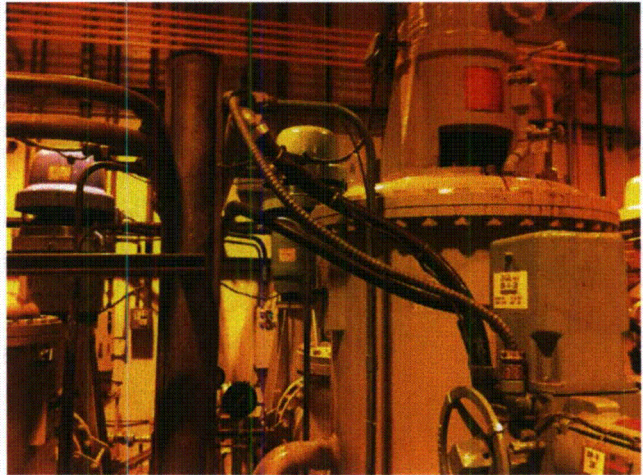
Equipment Class: (0) Other

Equipment Description: DECAY RIVER STRAINER

**Photos**



IMG\_1190



IMG\_1194

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

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.

**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 potentially adverse seismic conditions? Yes

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**

- |   |     |
|---|-----|
| 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 |
|--|-----|

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**Comments**

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 Walkdown Checklist (SWC)**

Equipment ID No.: EED-B-1B

Equipment Class: (15) Batteries on Racks

Equipment Description: 250V DC STATION BATTERY 1B

diminished, its full seismic qualification unchanged, and the observed gap consistent with IEEE Std 450-2002  
IEEE RECOMMENDED PRACTICE FOR MAINTENANCE, TESTING, AND REPLACEMENT, Annex E.

Evaluated by: *Mark S Etre*

Mark S. Etre

Date: 10/24/2012

*Seth W Baker*

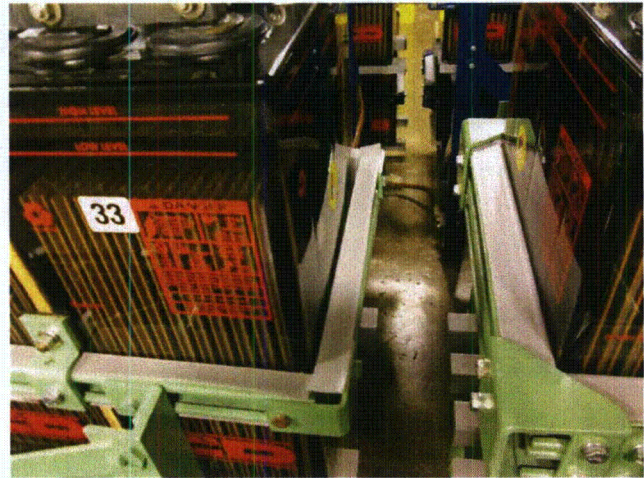
Seth W. Baker

10/24/2012

**Photos**



100\_3530



100\_3533

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1B

Equipment Class: (16) Inverters

Equipment Description: BATTERY CHARGER 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

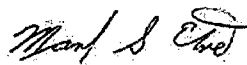
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes  
*Internal Inspections has been performed through the bottom and center Grating.*

**Comments**


Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-BATT CHG 1B, Rev 000 AND DRAWING NBC-406

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

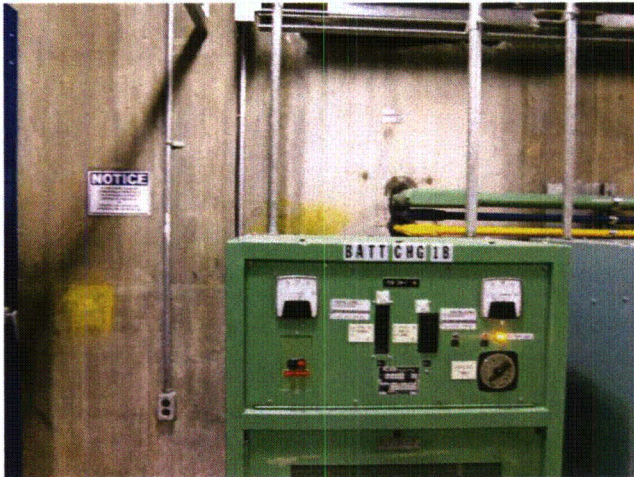
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1B

Equipment Class: (16) Inverters

Equipment Description: BATTERY CHARGER 1B

**Photos**



100\_3438



100\_3439



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1D

Equipment Class: (16) Inverters

Equipment Description: BATTERY CHARGER 1D

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% 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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? Yes  
*Internal Inspections has been performed through the bottom and center Grating.*

**Comments**

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-BATT CHG 1D, Rev 000 AND DRAWING NBC-406

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

Status:  Y  N  U

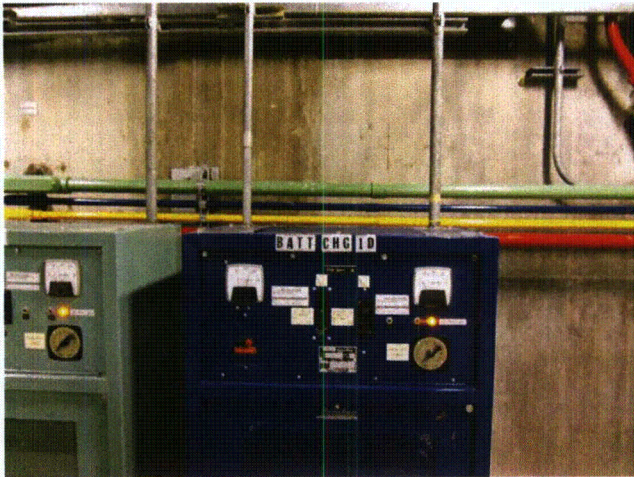
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1D

Equipment Class: (16) Inverters

Equipment Description: BATTERY CHARGER 1D

**Photos**



100\_3444



100\_3446

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1F

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% 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 potentially adverse seismic conditions? Yes

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**

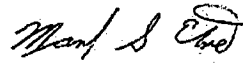
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

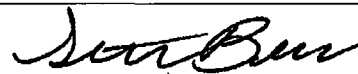
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes  
*Internal Inspections has been performed through the bottom and center Grating.*

**Comments**

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-BATT CHG 1F, Rev 000 AND DRAWING NBC-406

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

 Seth W. Baker 10/24/2012

Status:  Y  N  U

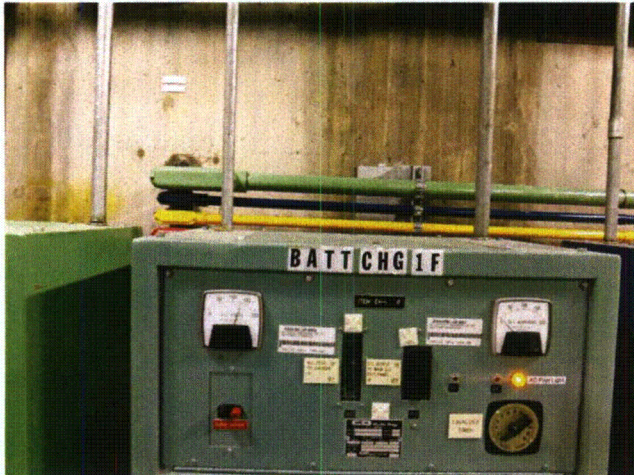
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EED-BC-1F

Equipment Class: (16) Inverters

Equipment Description: BATTERY CHARGER 1F

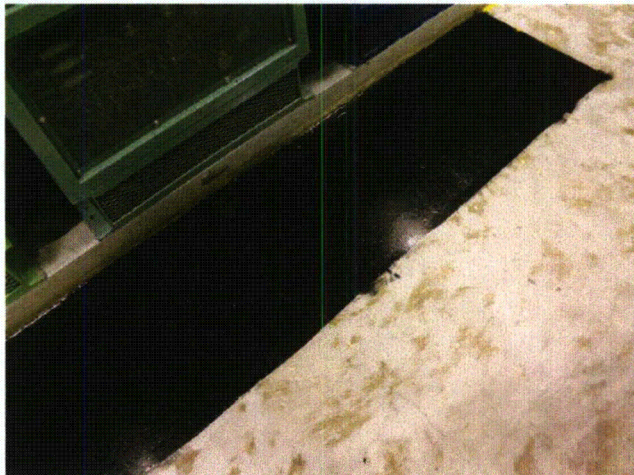
**Photos**



100\_3451



100\_3453



100\_3462

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-INV-1B

Equipment Class: (16) Inverters

Equipment Description: INVERTER 1B ELEM6

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24 : INVERTER 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.

**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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-INV-1B

Equipment Class: (16) Inverters

Equipment Description: INVERTER 1B ELEM6

**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-EE-INV-1B, Rev 001

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

Seth W. Baker Seth W. Baker 10/24/2012

**Photos**



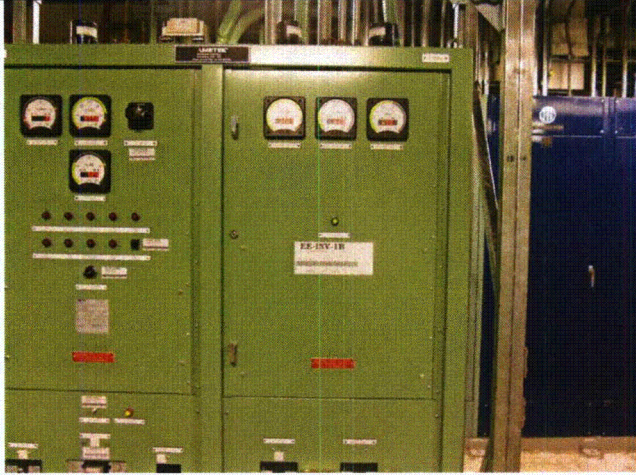
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-INV-1B

Equipment Class: (16) Inverters

Equipment Description: INVERTER 1B ELEL6



100\_3467



100\_3472

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-INV-1F

Equipment Class: (16) Inverters

Equipment Description: 1F INVERTER

**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-EE-INV-1F, Rev 001

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-INV-1F

Equipment Class: (16) Inverters

Equipment Description: 1F INVERTER

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

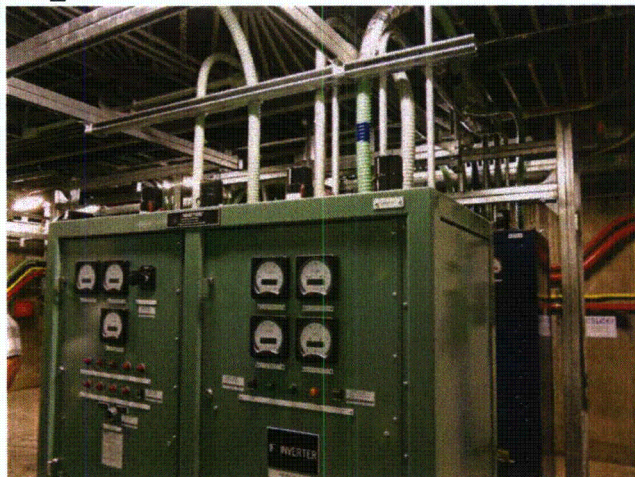
**Photos**



100\_3504



100\_3505



100\_3507

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

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): CB, 322.00 ft, 24

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
  
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.: 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 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

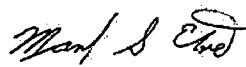
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes  
*Internal Inspections for other adverse Seismic conditions has not been performed.*

**Comments**

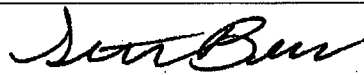
New Anchorage is installed consistent with modification No. T1-MM-412552-002 Rev 000 and drawings 521-253.

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EE-PNL-VBB

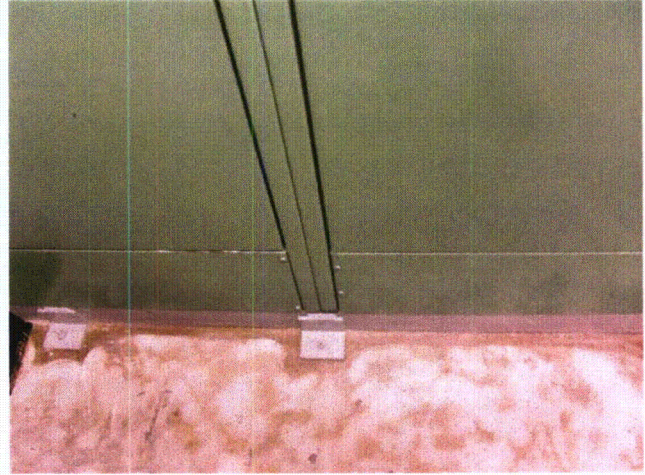
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: VBB 120 VAC PANEL

**Photos**



100\_3474



100\_3476



100\_3478

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

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 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 potentially adverse seismic conditions? Yes



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

**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-EF-FT-0782, Rev 001

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

Seth W. Baker Seth W. Baker 10/24/2012

Status:  Y  N  U

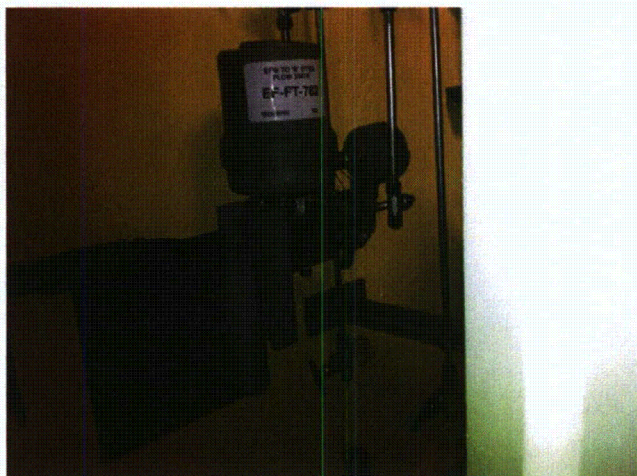
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EF-FT-0782

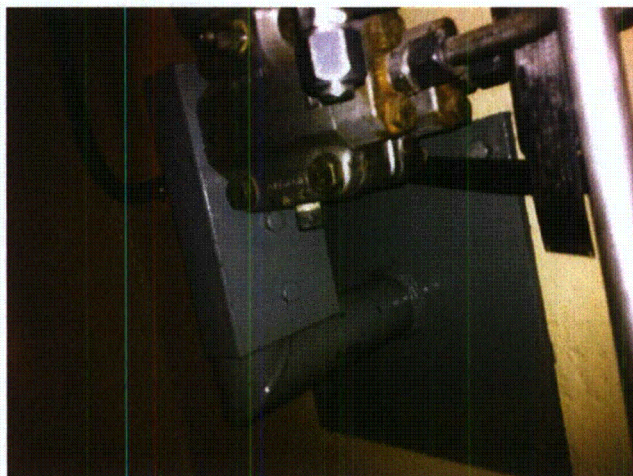
Equipment Class: (18) Instruments on Racks

Equipment Description: EFW TO B OTSG FLOW TRANSMITTER

**Photos**



IMG\_1107



IMG\_1109

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EF-P-0001

Equipment Class: (5) Horizontal Pumps

Equipment Description: STEAM DRIVEN EMERGENCY FEED PUMP

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 5 : EF-P-1 CUBICLE

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
  
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.: EF-P-0001

Equipment Class: (5) Horizontal Pumps

Equipment Description: STEAM DRIVEN EMERGENCY FEED PUMP

**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**

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 Walkdown Checklist (SWC)**

Equipment ID No.: EF-P-0001

Equipment Class: (5) Horizontal Pumps

Equipment Description: STEAM DRIVEN EMERGENCY FEED PUMP

Evaluated by: *Mark S Etre* Mark S. Etre Date: 10/24/2012  
*Seth W Baker* Seth W. Baker 10/24/2012

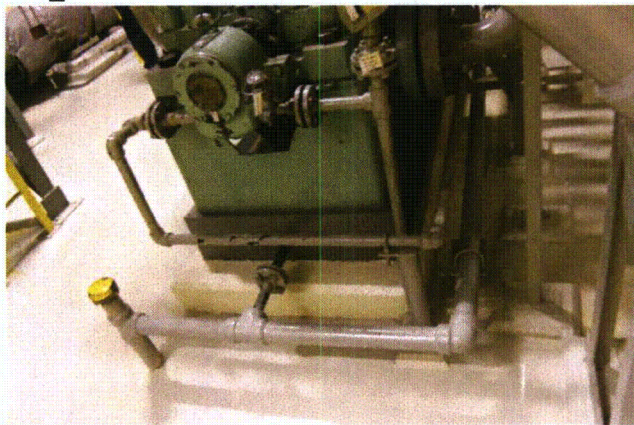
**Photos**



100\_3372



100\_3374



100\_3377

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EF-P-0002B

Equipment Class: (5) Horizontal Pumps

Equipment Description: EMERGENCY FEED PUMP B

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): IB, 295.00 ft, 6 : EF-P-1B CUBICLE

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
  
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.: EF-P-0002B

Equipment Class: (5) Horizontal Pumps

Equipment Description: EMERGENCY FEED PUMP B

**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**

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

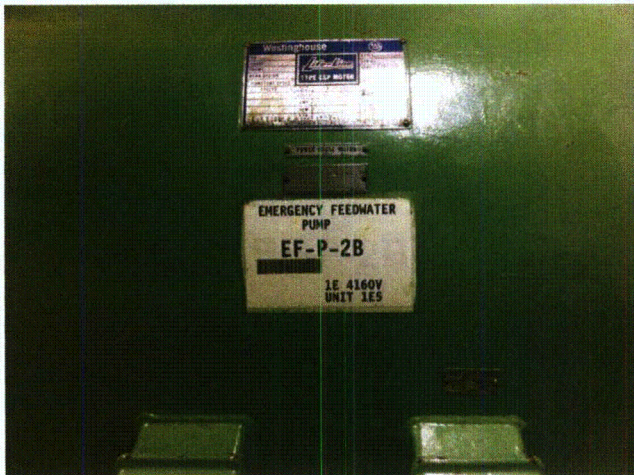
Equipment ID No.: EF-P-0002B

Equipment Class: (5) Horizontal Pumps

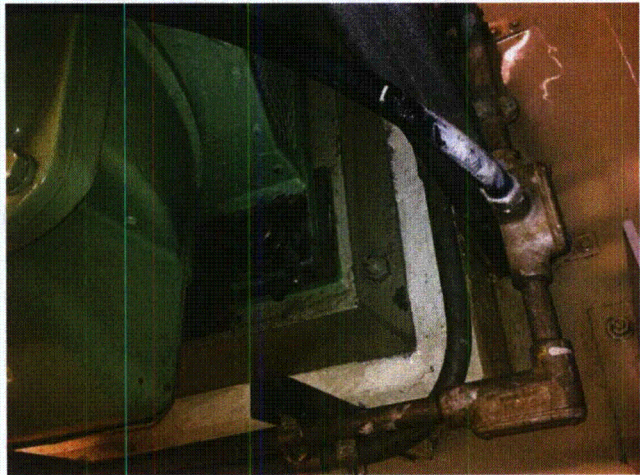
Equipment Description: EMERGENCY FEED PUMP B

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



IMG\_1093



IMG\_1096



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: EFW 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 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)?  | 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 |
| 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.) | 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 (SWC)**

Equipment ID No.: EF-V-0001B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: EFW PUMPS SUCTION CROSS CONNECT VALVE

**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**

Anchorage check not applicable because equipment is in-line.

See SQ-T1-EF-V-0001B, Revision 001

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

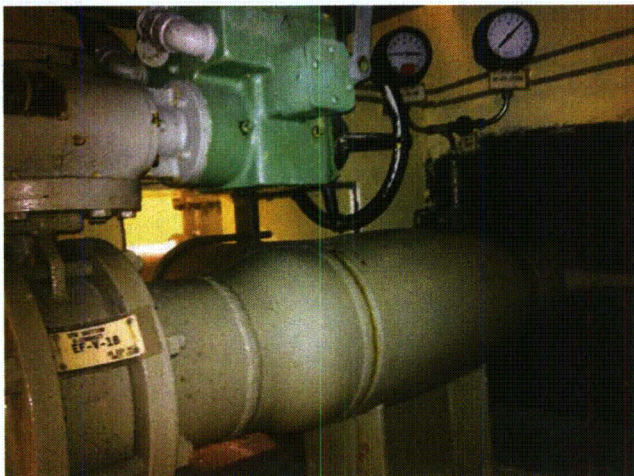
Equipment ID No.: EF-V-0001B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: EFW PUMPS SUCTION CROSS CONNECT VALVE

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* 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% 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 |
| 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.) | 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 (SWC)**

Equipment ID No.: EF-V-0004

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: EMERG RIVER WATER TO EFW

**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**

Anchorage check is not applicable. This is in-line equipment.

Drain line above valve EF-V-0004 does not contain water.

Minor oil leakage on valve.

See SQ-T1-EF-V-0004, Revision 001

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

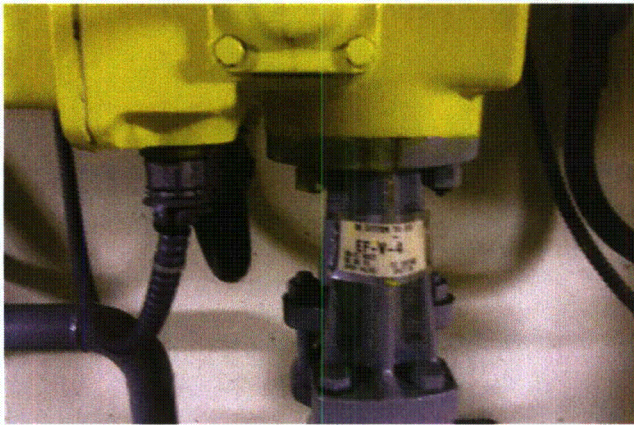
Equipment ID No.: EF-V-0004

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: EMERG RIVER WATER TO EFV

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Seth W. Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3325



100\_3327

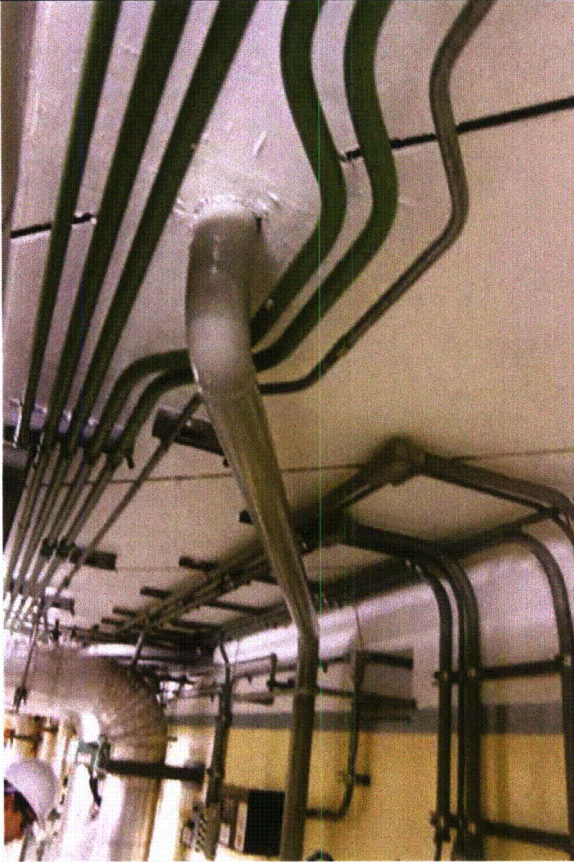
Status:  Y  N  U

**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



100\_3333

Status:  Y  N  U

**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 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)?  | 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 |
| 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.) | 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 (SWC)**

Equipment ID No.: EF-V-0030B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: EFW TO OTSG B FLOW CTRL VALVE

**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**

Anchorage check is not applicable. This is in-line equipment.

See SQ-T1-EF-V-0030B, Revision 000

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

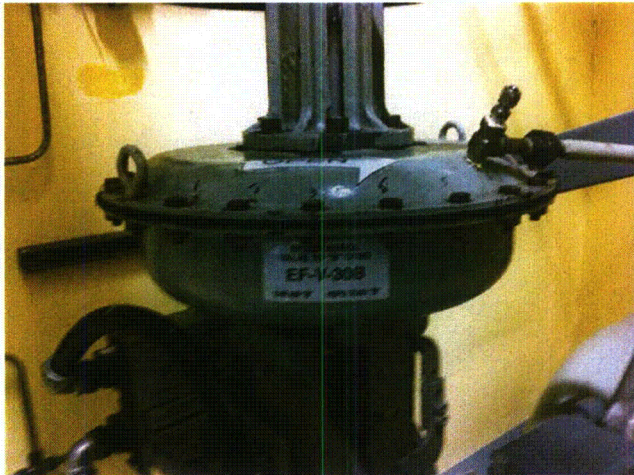
Equipment ID No.: EF-V-0030B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: EFW TO OTSG B FLOW CTRL VALVE

Evaluated by: *Mark S Etre* Mark S. Etre Date: 10/24/2012  
*Seth W Baker* Seth W. Baker 10/24/2012

**Photos**



IMG\_1111



IMG\_1112

Status:  Y  N  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

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  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

**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**


INSTALLATION IS CONSISTANT WITH DRAWING 11866396

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  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

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

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 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 potentially adverse seismic conditions? Yes

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

**Interaction Effects**

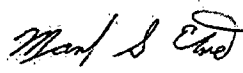
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

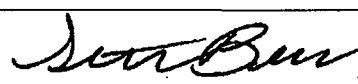
**Other Adverse Conditions**

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

**Comments**

INSTALLATION IS CONSISTANT WITH DRAWING 11866396

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

 Seth W. Baker 10/24/2012

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

**Photos**



100\_3146



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EG-P-0001B

Equipment Class: (12) Air Compressors

Equipment Description: EDG LUBE OIL & STARTING AIR/AIR COMPRESSOR

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): DG, 305.00 ft, 37 : "B" 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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**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 |
| 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-P-0001B, Rev 001

Overhead light attached to air duct addressed in SQUG SEWS.

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

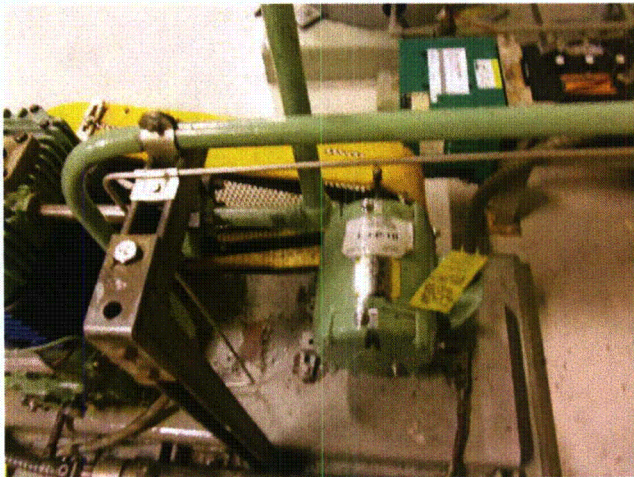
Equipment ID No.: EG-P-0001B

Equipment Class: (12) Air Compressors

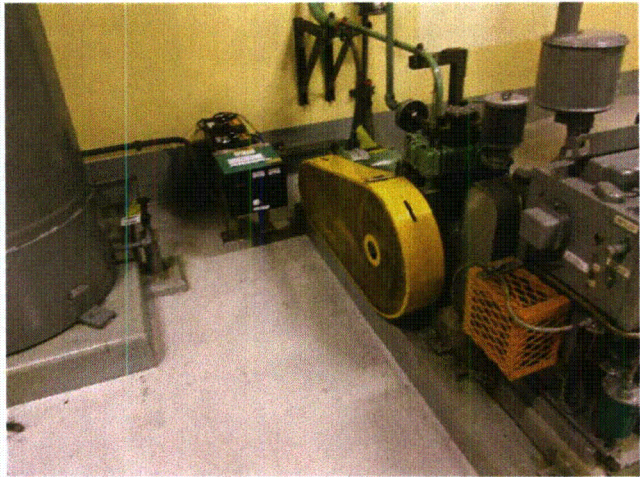
Equipment Description: EDG LUBE OIL & STARTING AIR/AIR COMPRESSOR

Evaluated by: *Mark S Etre* Mark S. Etre Date: 10/24/2012  
*Seth W Baker* Seth W. Baker 10/24/2012

**Photos**



100\_3047



100\_3049

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

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 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 potentially adverse seismic conditions? Yes

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EG-T-0001B-1

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: EDG 1B AIR START 1 RESERVOIR

**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

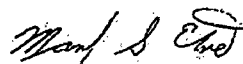
**Other Adverse Conditions**

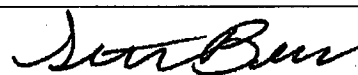
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

**Comments**

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-EG-T-0001B-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:  Mark S. Etre Date: 10/24/2012

 Seth W. Baker 10/24/2012

Status:  Y  N  U

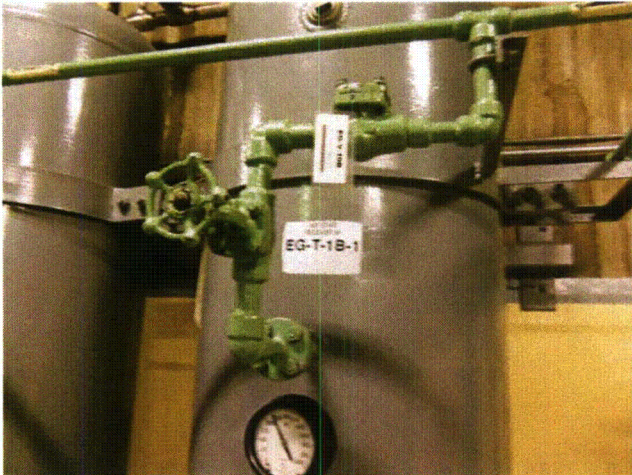
**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EG-T-0001B-1

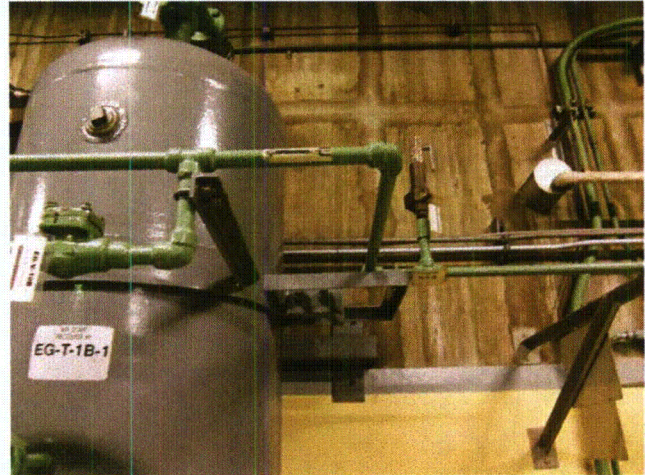
Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: EDG 1B AIR START 1 RESERVOIR

**Photos**



100\_3054



100\_3055



100\_3056

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

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 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 potentially adverse seismic conditions? Yes

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

**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-T-0001B-2, Rev 000

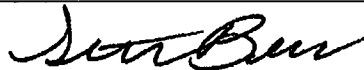
Hairline linear indications (Cracks) in pad will be addressed in Maintenance Rule Inspection R2151812. R2151812 tracks completion of the walkdown and updates the topical report with its results. Judged not to be a potential seismic concern, this is within the acceptance criteria of ACI 349.

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012



Status:  Y  N  U

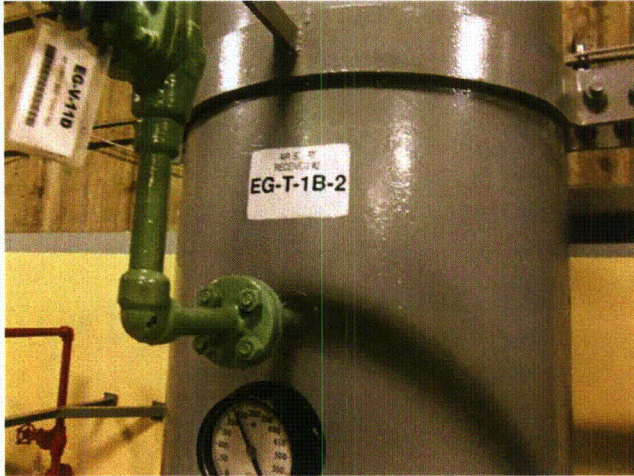
**Seismic Walkdown Checklist (SWC)**

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\_3068



100\_3070



100\_3071

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

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 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 potentially adverse seismic conditions? Yes

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

**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.

Evaluated by:

*Mark S. Etre*

Mark S. Etre

Date: 10/24/2012

*Seth W. Baker*

Seth W. Baker

10/24/2012

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: EG-Y-0001B

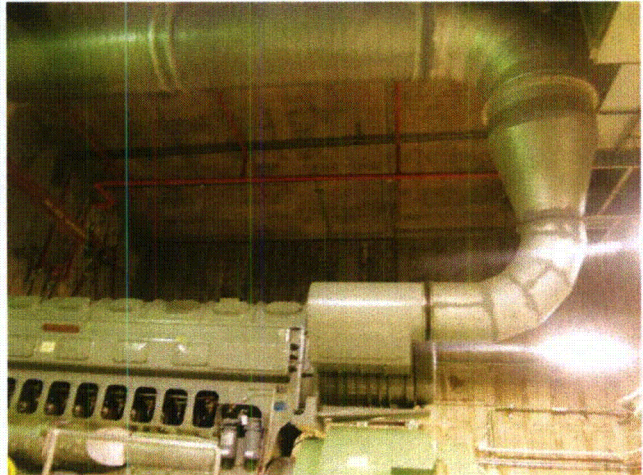
Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B

**Photos**



100\_3084



100\_3093



100\_3094

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 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 potentially adverse seismic conditions? Yes

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

**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  
*Internal Inspections for other adverse Seismic conditions has not been performed.*

**Comments**

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

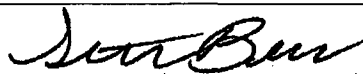
Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-HSPS-CAB-A2, Rev 001.

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: HSPS-CH-2

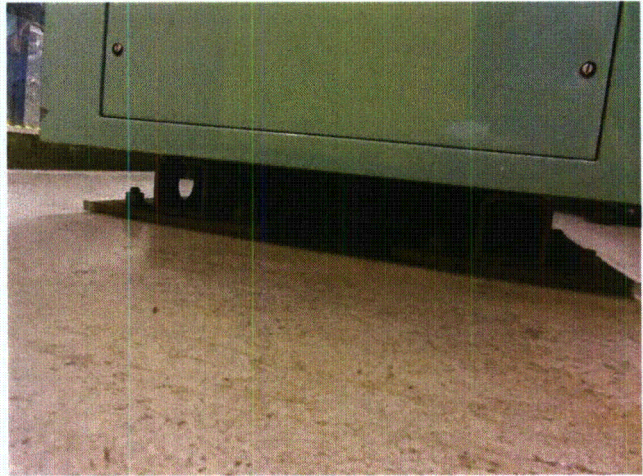
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: HSPS CHANNEL 2

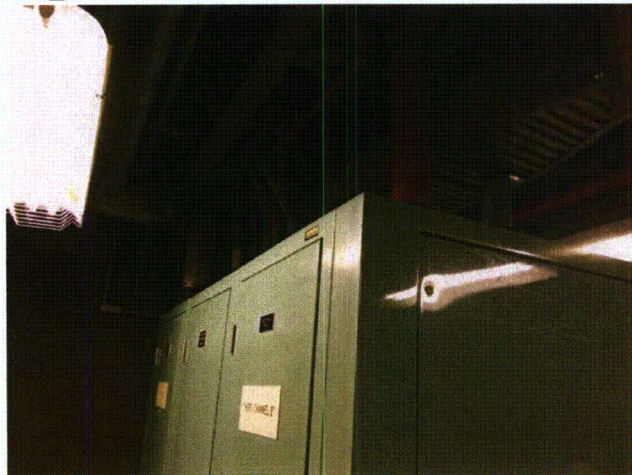
**Photos**



100\_3550



100\_3553



100\_3556

Status:  Y  N  U

### Seismic Walkdown Checklist (SWC)

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 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 potentially adverse seismic conditions? Yes



Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: IA-T-0007B

Equipment Class: (0) Other

Equipment Description: 2 HR AIR BOTTLE TO "B" TRAIN

**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**

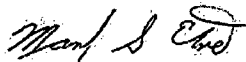
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

**Comments**

Equipment was verified to be in accordance with Seismic Qualification No. SQ-T1-IA-T-0007B, Rev 000

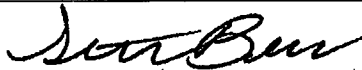
Hairline linear indications (Cracks) in pad will be addressed in Maintenance Rule Inspection R2151812. R2151812 tracks completion of the walkdown and updates the topical report with its results. Judged not to be a potential seismic concern, this is within the acceptance criteria of ACI 349.

Evaluated by:



Mark S. Etre

Date: 10/24/2012



Seth W. Baker

10/24/2012

Status:  Y  N  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**



100\_3101

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

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 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 potentially adverse seismic conditions? Yes

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 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**

See SQ-T1-IA-T-0019, Revision 001

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

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: IA-T-0019

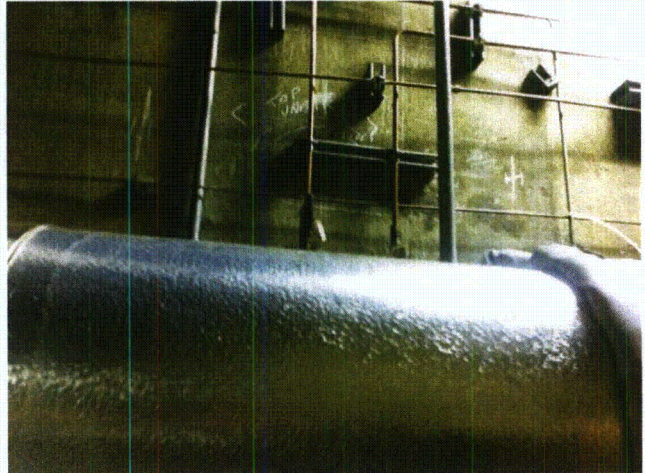
Equipment Class: (0) Other

Equipment Description: AIR ACCUMULATOR FOR FW-V-16B/17B

**Photos**



IMG\_1140



IMG\_1141

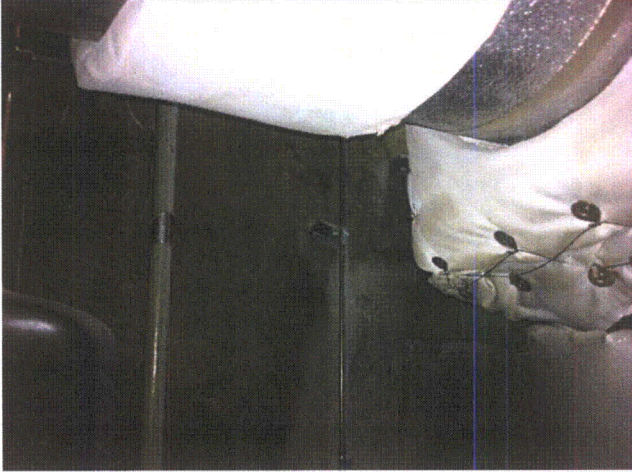
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: IA-T-0019

Equipment Class: (0) Other

Equipment Description: AIR ACCUMULATOR FOR FW-V-16B/17B



IMG\_1148

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No.: MS-PT-1184

Equipment Class: (18) Instruments on Racks

Equipment Description: OTSG "B" STEAM PRESSURE TRANSMITTER

Project: TMI SWEL

Location (Bldg, Elev, Room/Area): RB, 308.00 ft, 39 : "D" MS LINE ACROSS FROM STAIRS

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
  
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.: MS-PT-1184

Equipment Class: (18) Instruments on Racks

Equipment Description: OTSG "B" STEAM PRESSURE 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 adversely affect the safety functions of the equipment? | Yes |
|--|-----|

**Comments**

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 Walkdown Checklist (SWC)**

Equipment ID No.: MS-PT-1184

Equipment Class: (18) Instruments on Racks

Equipment Description: OTSG "B" STEAM PRESSURE TRANSMITTER

Evaluated by: *Mark S. Etre* Mark S. Etre Date: 10/24/2012  
*Juan A. López* Juan A. López 10/9/12

**Photos**



100\_4053



100\_4061