

# **Attachment D**

## ***AREA WALK-BY CHECKLISTS (AWCs)***

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 001**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A102,07**SWEL Components: SWEL1- 024,030****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*All anchor bolts from visually inspection seem to be in intact. The supports were coated and some mild oxidation/dirt was noticed on some anchor supports in the room but were no concerns to the anchors as they can still perform as designed.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 001**

Location: Bldg. AB Floor El. 93 Room, Area: 1A102,07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

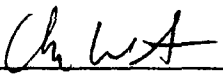
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

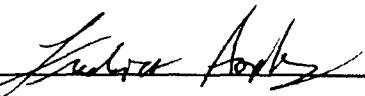
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Pry bar behind column. Temporary scaffold was identified in this area but did not create any seismic interaction issues. 18" line off RHR Heat exchanger A has a base plate that is not welded to embed plate for the support. The pipe support is for horizontal load of the pipe and allows the pipe to move in the vertical direction.*

Evaluated by: Chase Wharton  Date: 10/8/2012

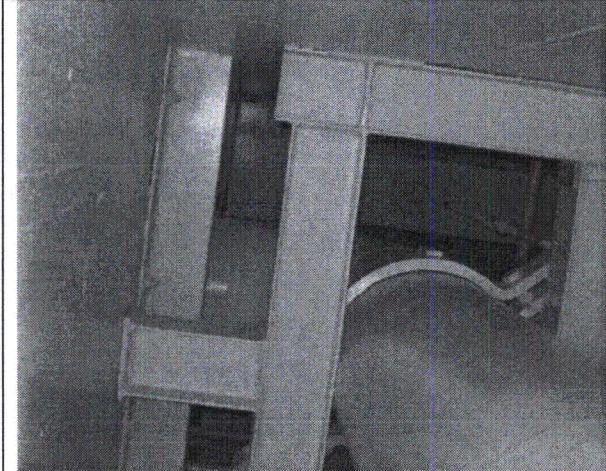
Fred Hopkins  10/8/2012

Status: Y  N  U

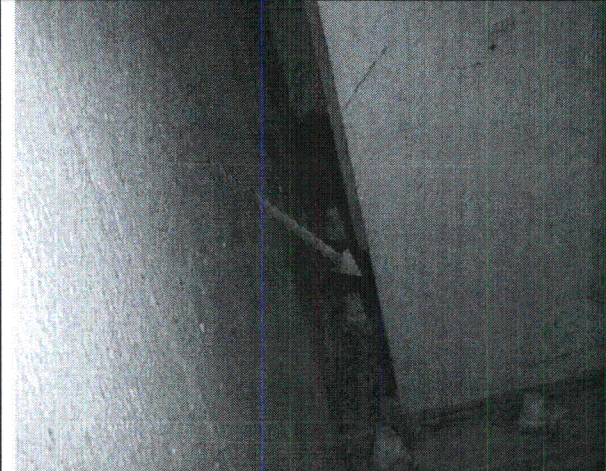
**Area Walk-By Checklist (AWC) AWC- 001**

Location: Bldg. AB Floor El. 93 Room, Area: 1A102.07

**Photographs**



**Note:**



**Note:** *Pry bar*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 002**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A103.07**SWEL Components: SWEL1- 012,033,072****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-002**

Location: Bldg. AB Floor El. 93 Room, Area: 1A103,07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

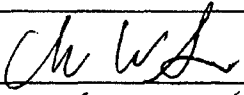
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

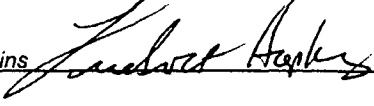
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*temporary scaffold was identified in the area with a harness for climb protection, a black strap used for scaffold tie offs was lying on cable tray and one light was identified out in this area. The scaffold is seismically restrained in accordance with procedures and these identified issues do not create any seismic concerns.*

Evaluated by: Chase Wharton  Date: 10/8/2012

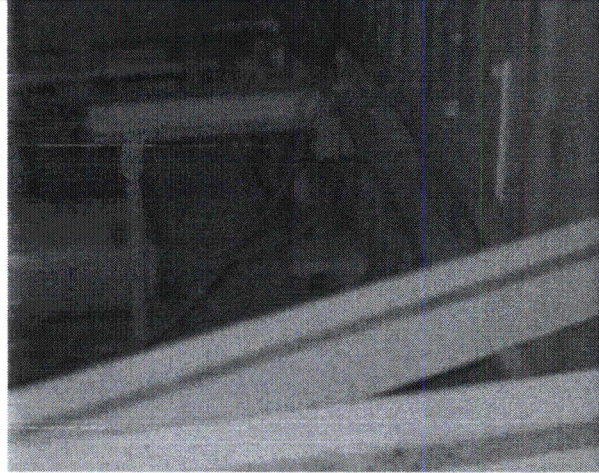
Fred Hopkins  10/8/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 002**

Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A103.07

**Photographs**



**Note:**

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 003**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A104,AB**SWEL Components: SWEL1- 006,039****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 003**

Location: Bldg. AB Floor El. 93 Room, Area: 1A104,AB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

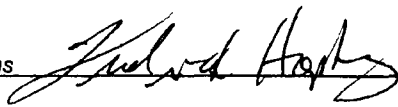
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*Equipment stored in LDWA. Two lights are out. TIA Turbine Inboard Axial Sensor is not mounted*

Evaluated by: Chase Wharton  Date: 10/4/2012

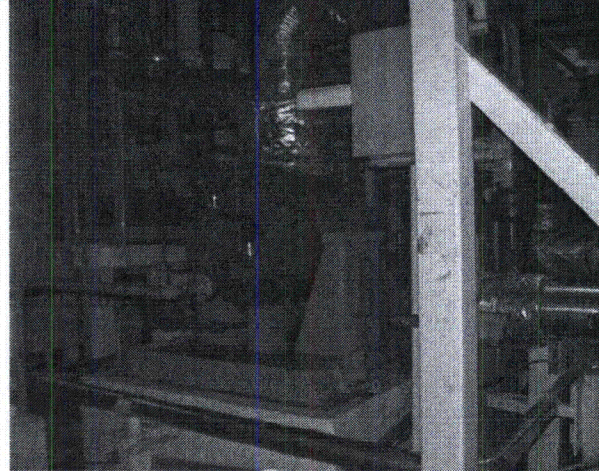
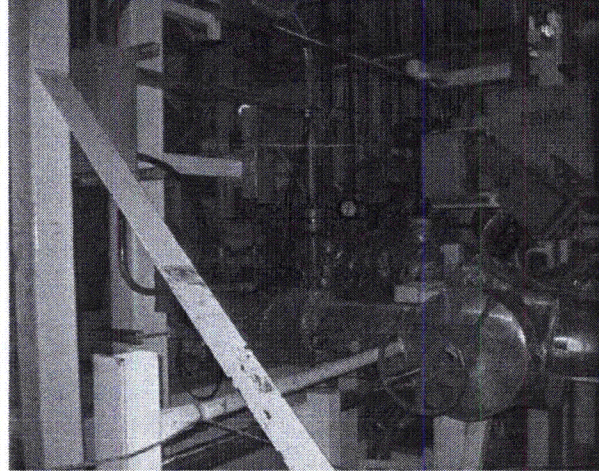
Fred Hopkins  10/4/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 003**

Location: Bldg. AB Floor El. 93 Room, Area: 1A104,AB

**Photographs**



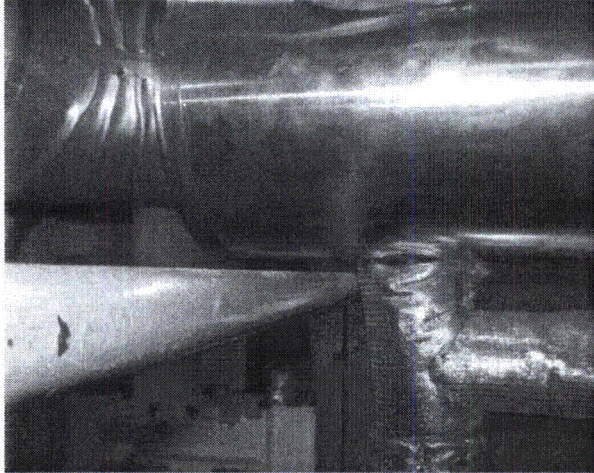
**Note:**

**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 003**

Location: Bldg. AB Floor El. 93 Room, Area: 1A104,AB



**Note:**

**Note:**

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 004**

Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A105,08

**SWEL Components: SWEL1- 031,035**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-004**

Location: Bldg. AB Floor El. 93 Room, Area: 1A105,08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

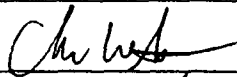
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U  
*Bent pipe support base plate CR-GGN-2012-11343.*

**Comments**

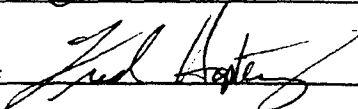
*Temporary scaffold was identified in the area along with temporary extension cords and lighting in the area. There is stored scaffolds in the safe storage area and the temporary scaffold is seismically restrained in the area. The temporary lighting has flexibility so that seismic interaction will not be an issue. Broken conduit support conduit has adequate clearance from any safety related equipment and therefore is free of any potentially adverse seismic interactions CR-GGN-2012-12206.*

Evaluated by: Chase Wharton



Date: 10/3/2012

Fred Hopkins



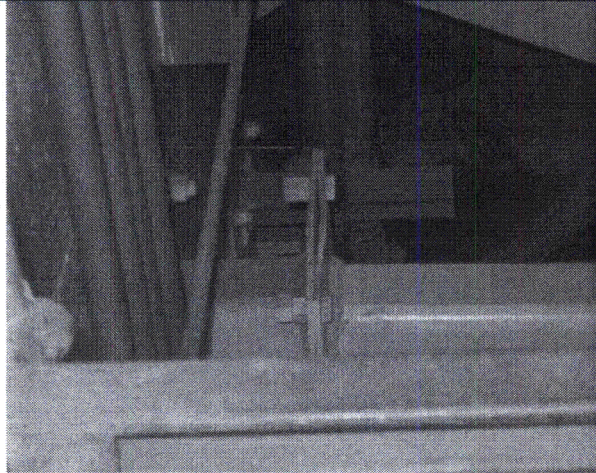
10/3/2012

Status: Y  N  U

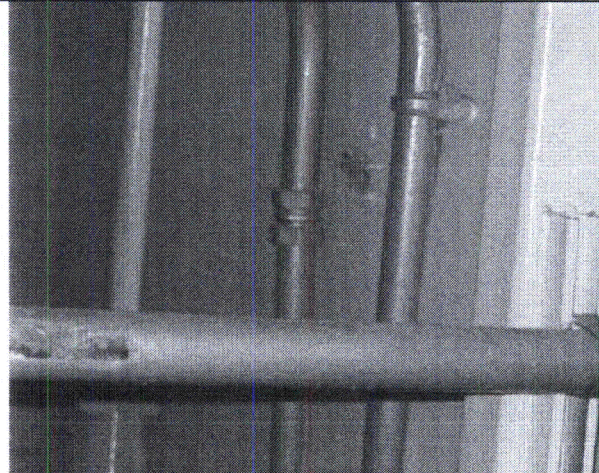
**Area Walk-By Checklist (AWC) AWC- 004**

Location: Bldg. AB Floor El. 93 Room, Area: 1A105,08

**Photographs**



**Note:** *Bent base plate.*



**Note:** *Broken conduit support.*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 005**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A106,08**SWEL Components: SWEL1- 013, 092****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*3 nuts not fully engaged on L-Beam supporting grating CR-GGN-2012-11318.*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*<1/2" spcing from actuator wheel and pipe. Based on PDS0069A, Rev. 10 and PDS0133, Rev. 3 the piping will not interact.*

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-005**

Location: Bldg. AB Floor El. 93 Room, Area: 1A106,08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

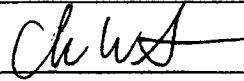
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A   
*There are wires attached to displacement transducers but the wires are covered, protected and not exposed to the environment, therefore would not create a fire hazard. The wires are flexible and will not create a seismic interaction issue.*

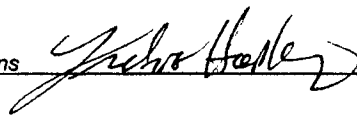
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Long term scaffolding <2" away from valve. Scaffold was evaluated per the attached tag. Scaffold is also restrained in both N-S and E-W directions, and therefore does not cause an adverse seismic condition.*

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

**Comments**

*Temporary Scaffold in area. Threaded rod found leaning on column and tie off strap was attached to a pipe support (CR-GGN-2012-11317). 1E12F029B and 1E12F003B are leaking onto piping and down to 93' elevation. (CR-GGN-2012-11315) Light out between heat exchangers. Mild surface oxidation on drain pipe. Cracked grout in penetration (CR-GGN-2012-11316). Housekeeping issues and oil was observed leaking from 108' elevation above down on an electrical box on the 93' floor elevation (CR-GGN-2012-11313).*

Evaluated by: Chase Wharton  Date: 10/3/2012

Fred Hopkins  10/3/2012

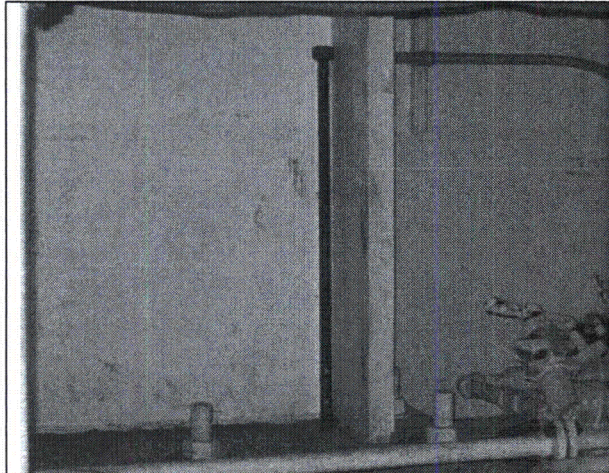


Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 005**

Location: Bldg. AB Floor El. 93 Room, Area: 1A106,08

**Photographs**



**Note:**

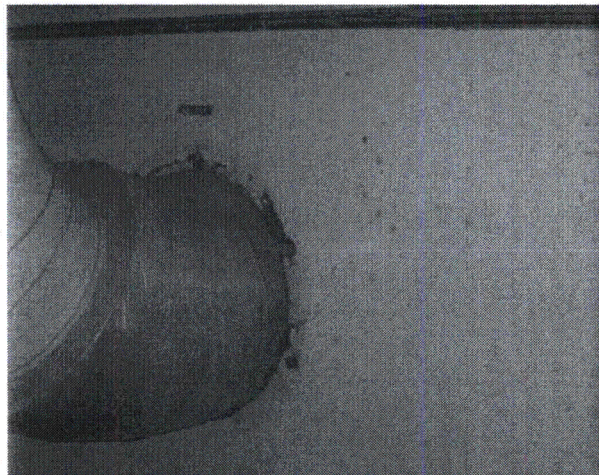


**Note:**

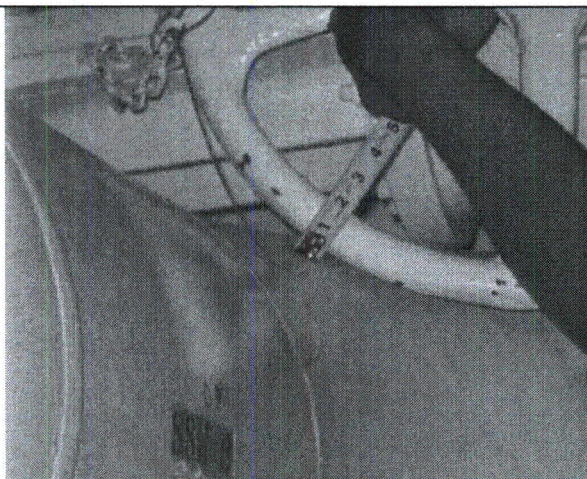
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 005**

Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A106,08



**Note:**



**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 006**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A115, 09**SWEL Components: SWEL1- 022,057****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 006**

Location: Bldg. AB Floor El. 93 Room, Area: 1A115, 09

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

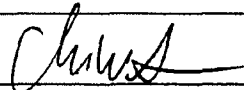
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Temporary scaffold in area. Plastic sink cover is not anchored, but does not cause any adverse seismic conditions.*

Evaluated by: Chase Wharton  Date: 10/8/2012

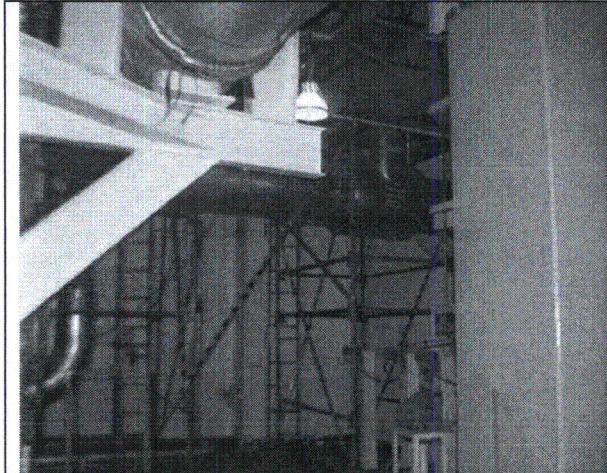
Fred Hopkins  10/8/2012

Status: Y  N  U

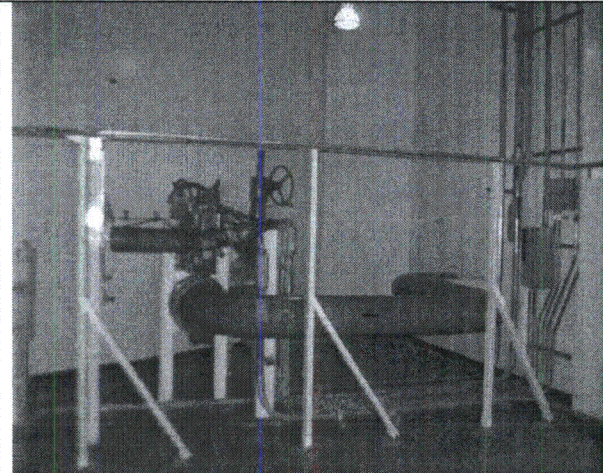
**Area Walk-By Checklist (AWC) AWC- 006**

Location: Bldg. AB Floor El. 93 Room, Area: 1A115, 09

**Photographs**



**Note:**



**Note:**

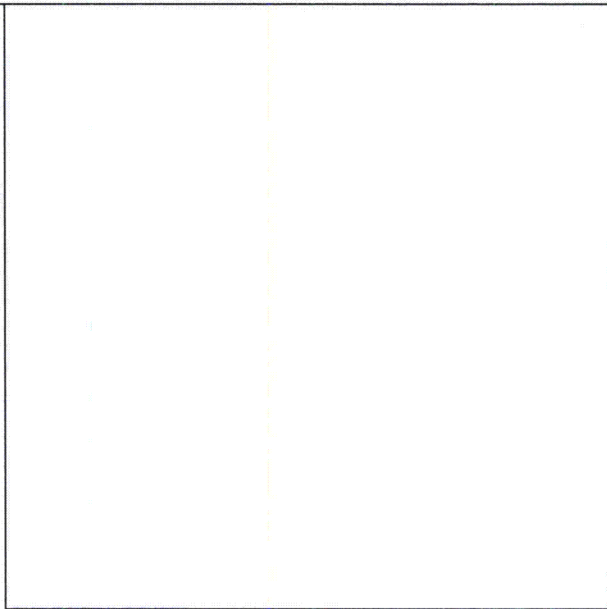
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 006**

Location: Bldg. AB Floor El. 93 Room, Area: 1A115, 09



**Note:** *Sink with cover*



**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 007**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A116, 10**SWEL Components: SWEL1- 059****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-007**

Location: Bldg. AB Floor El. 93 Room, Area: 1A116, 10

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

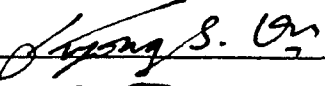

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Ladders are tied-off to the large pipe or structural steel. Also, there are ladder and hose laying on the floor. However these items doesn't pose a seismic concern; therefore acceptable. See photos.*

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

**Comments**

*Liquid was observed on the pedestal of pump E12C005B; however no active leakage could be found. See photo. (CR 2012-11309 initiated WR# 00285929)*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/3/2012  
Tori Robinson  10/3/2012

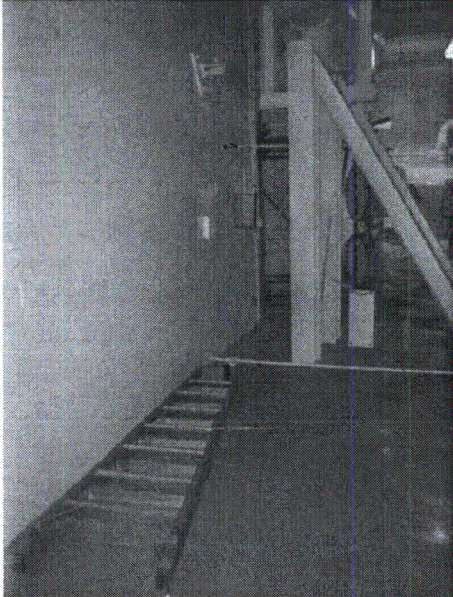


Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 007**

Location: Bldg. AB Floor El. 93 Room, Area: 1A116, 10

**Photographs**



**Note:** *Ladder on the floor*



**Note:** *General view of the area*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 007**

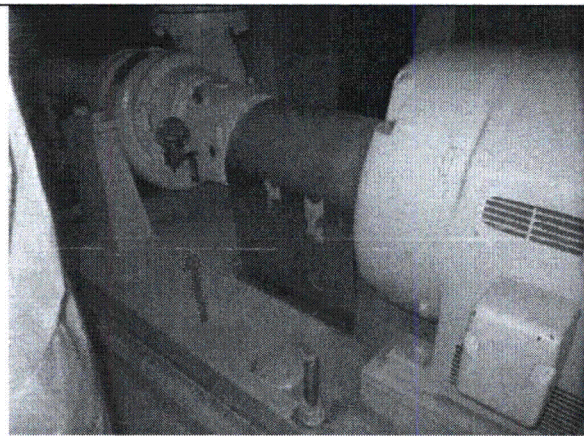
Location: Bldg. AB Floor El. 93 Room, Area: 1A116, 10



**Note:** *Ladder in the area*



**Note:** *Ladder in the area*



**Note:** *Liquid on the pump/motor pedestal*



**Note:** *Hose on the floor*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 008**Location: Bldg. AB Floor El. 93 Room, Area<sup>1</sup> 1A120**SWEL Components: SWEL1- 043, 044****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Anchorage are coated.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 008**

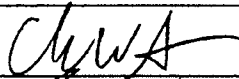
Location: Bldg. AB Floor El. 93 Room, Area: 1A120

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U

**Comments**

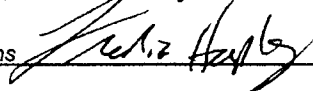
*Welding/grinding Sheild in over head beam CR-GGN-2012-11123. Temporary scaffolding in area.*

Evaluated by: Chase Wharton



Date: 9/27/2012

Fred Hopkins



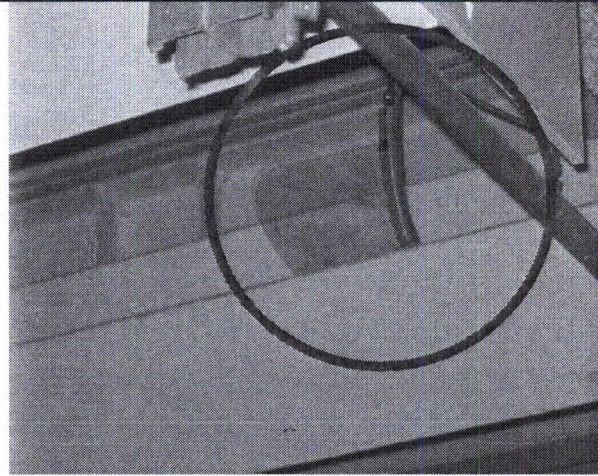
9/27/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 008**

Location: Bldg. AB Floor El. 93 Room, Area 1A120

**Photographs**



**Note:** *Grinding Shield.*

**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 009**

Location: Bldg. AB Floor El. 103 Room, Area<sup>1</sup> 1A121, 07

**SWEL Components: SWEL1- 061**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*All anchorage is in good condition. Panel is welded to supports.*

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*HVAC and Cable trays in the area appear to be seismically restrained.*

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Overhead HVAC and cable trays are adequately supported. Lights in the area may swing and contact hard pipe, HVAC or supports in a seismic event, but will not adversely affect the equipment.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 009**

Location: Bldg. AB Floor El. 103 Room, Area: 1A121, 07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A   
*Fire water pipe seems to be adequately supported. Appropriate sheilding of fire sprinklers.*

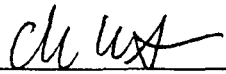
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A   
*Area is a combustibile exclusion zone. Area is free of potential fire hazards.*

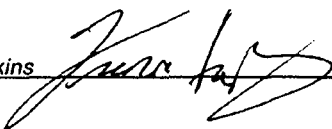
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*None*

Evaluated by: Chase Wharon  Date: 9/25/2012

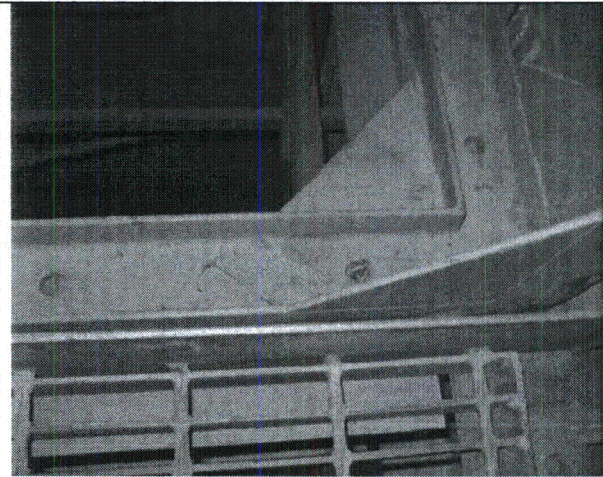
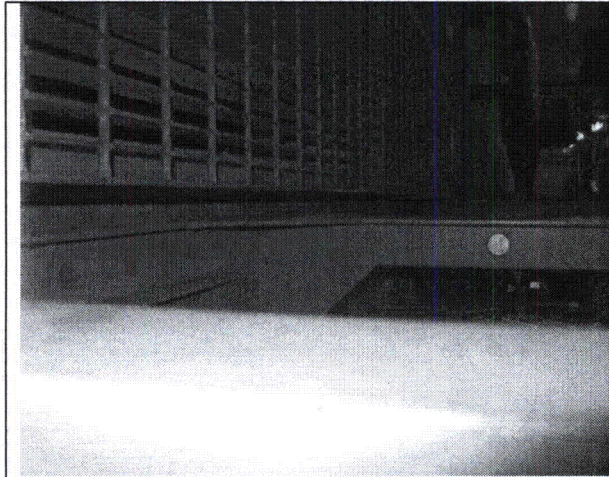
Fred Hopkins  9/25/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 009**

Location: Bldg. AB Floor El. 103 Room, Area: 1A121, 07

**Photographs**



**Note:**

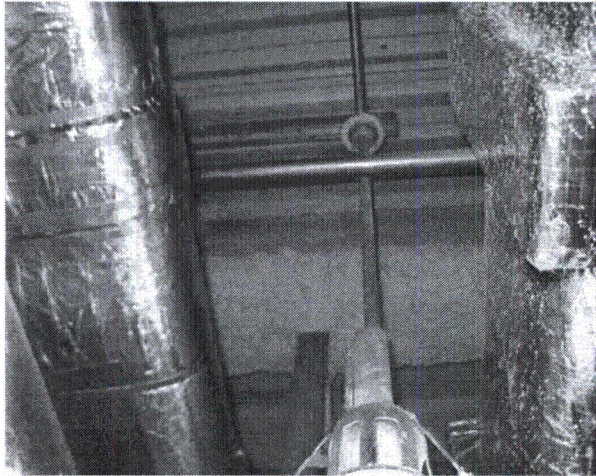
**Note:**



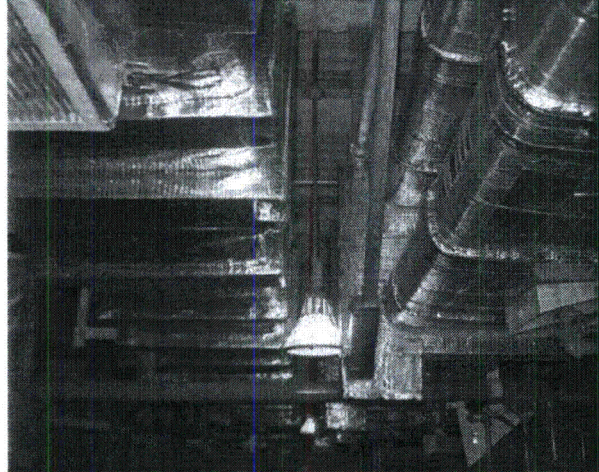
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 009**

Location: Bldg. AB Floor El. 103 Room, Area: 1A121, 07



**Note:** *Potential contact, no adverse seismic condition*



**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 010**Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A201, 07**SWEL Components: SWEL1- 068, 069, 070, 071****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

*Tube steel members supporting conduits running to the P11-F064 and P11-F065 shows surface corrosion. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photo.*

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

*Clearance between tube steel member supporting tubing for level transmitter and the yoke of pump motor P11F067 (RWST XFER to CST) seems very close (~1/2" gap at top). See photo.*

*Based on review of Stress Calculation No. 35, anchors near P11F067 valve/motor will prevent displacment (<1/8") during a seismic event.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-010**

Location: Bldg. AB Floor El. 119 Room, Area: 1A201, 07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak *Kyong S. Pak* Date: 9/25/2012

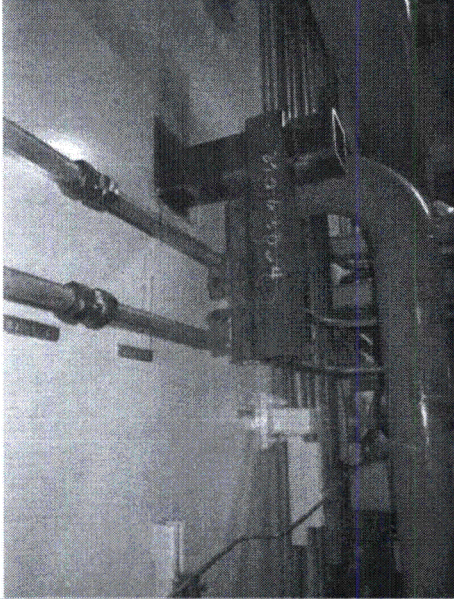
Tori Robinson *Tori Robinson* 9/25/2012

Status: Y  N  U

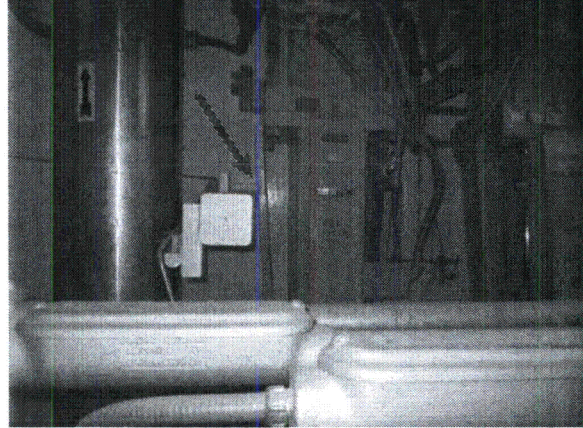
**Area Walk-By Checklist (AWC) AWC- 010**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A201, 07

**Photographs**



**Note:** *Surface corrosion on conduit support members*



**Note:** *Small gap between TS member and yoke of actuator (~1/2")*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 011**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A204,08

**SWEL Components: SWEL1- 018**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 011**

Location: Bldg. AB Floor El. 119 Room, Area: 1A204,08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

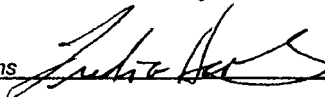
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*One light bulb is out.*

Evaluated by: Chase Wharton  Date: 10/9/2012

Fred Hopkins  10/9/2012

Status: Y  N  U

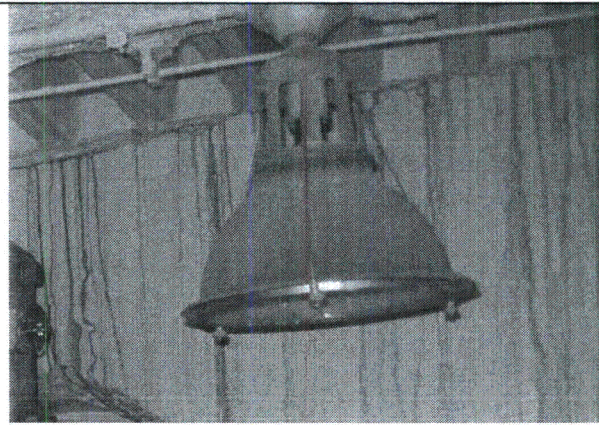
**Area Walk-By Checklist (AWC) AWC- 011**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A204.08

**Photographs**



**Note:**



**Note:** *light out*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 012**Location: Bldg. AB Floor El. 119 Room, Area: 1A205,08**SWEL Components: SWEL1- 032, 034, 036****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 012**

Location: Bldg. AB Floor El. 119 Room, Area: 1A205.08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

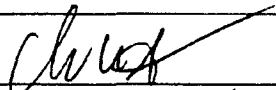
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

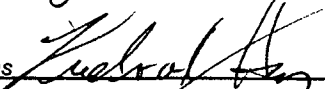
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Valve 1E12F130B has minor leakage. Wire spanning overhead. Minor damage to insulation. Pen#AEF7B and AEF6B does not require grout seal.*

Evaluated by: Chase Wharton  Date: 10/4/2012

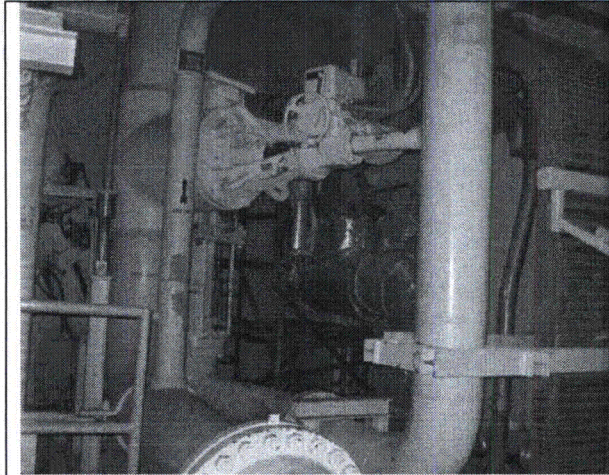
Fred Hopkins  10/4/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 012**

Location: Bldg. AB Floor El. 119 Room, Area: 1A205.08

**Photographs**



**Note:**

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 013**Location: Bldg. AB Floor El. 119 Room, Area: 1A208, 07**SWEL Components: SWEL1- 047, 076****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*There are over 20 conduits routed from cable trays to the electrical boxes near the floor in this room. Only one conduit is not supported from the top unistrut before it enters the cable tray, over 6'-6" of cantilever run. (CR 2012-11466) See photos.*
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Multiple light fixtures in this room are hung with chain using S-hook. There are no sensitive equipment nearby, therefore it is judged to be acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 013**

Location: Bldg. AB Floor El. 119 Room, Area: 1A208, 07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

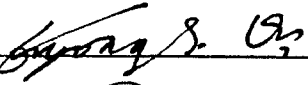
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Temporary scaffolding in the area; it doesn't pose a seismic concern.*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*Masonry block wall is observed in this room. This wall is seismically qualified per calculation C-H015.2.*

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/8/2012

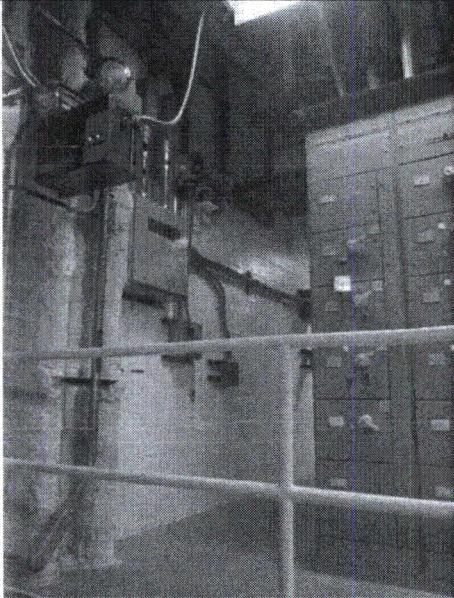
Tori Robinson  10/8/2012

Status: Y  N  U

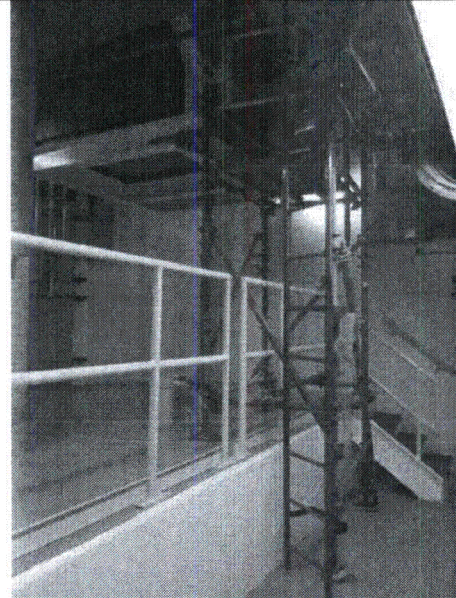
**Area Walk-By Checklist (AWC) AWC- 013**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A208.07

**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area, temporary scaffolding*



**Note:** *Conduits from cable tray*



**Note:** *Only conduit without unistrut support clamp at this location*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 014**Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A215, 09**SWEL Components: SWEL1- 001****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 014**

Location: Bldg. AB Floor El. 119 Room, Area: 1A215, 09

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

*Two temporary carts inside containment are secured using clamps on the wheel or tied-off to the stair structure. These items doesn't pose a seismic concern. See photos.*

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

**Comments**

*Water from condensation found on top of the insulation of air supply line valve. See photo.*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/25/2012

Tori Robinson  9/25/2012

Status: Y  N  U

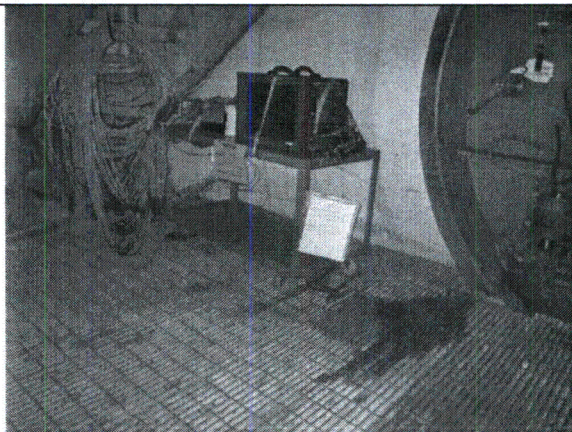
**Area Walk-By Checklist (AWC) AWC- 014**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A215, 09

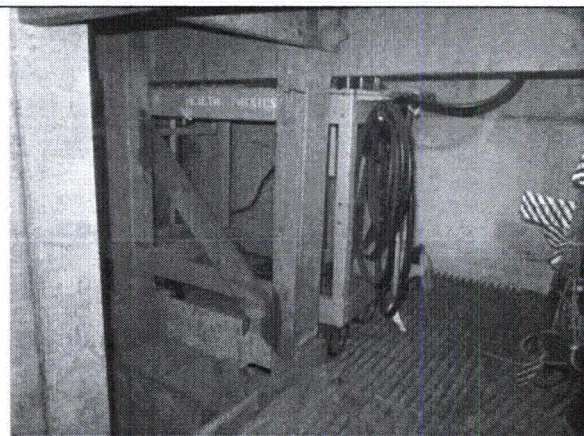
**Photographs**



**Note:** Air supply line, 1P71-F546, water from condensation



**Note:** Temporary Power Supplies, sensor cable (I&C EPU WO # 242339-02), wheels locked with clamps



**Note:** Temporary Power Supplies, sensor cable (I&C EPU WO # 242339-02), cart tied off to the stair structure

**Note:**



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 015**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A219, 09

**SWEL Components: SWEL1- 088**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Surface corrosion has been observed on pipe. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.*

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Multiple light fixtures in this room are hung with chain using S-hook. There are no sensitive equipment nearby, therefore it is judged to be acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-015**

Location: Bldg. AB Floor El. 119 Room, Area: 1A219, 09

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

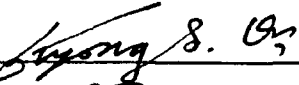
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

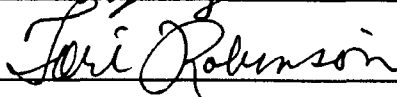
None

Evaluated by: Kyong S. (Jason) Pak



Date: 10/8/2012

Tori Robinson



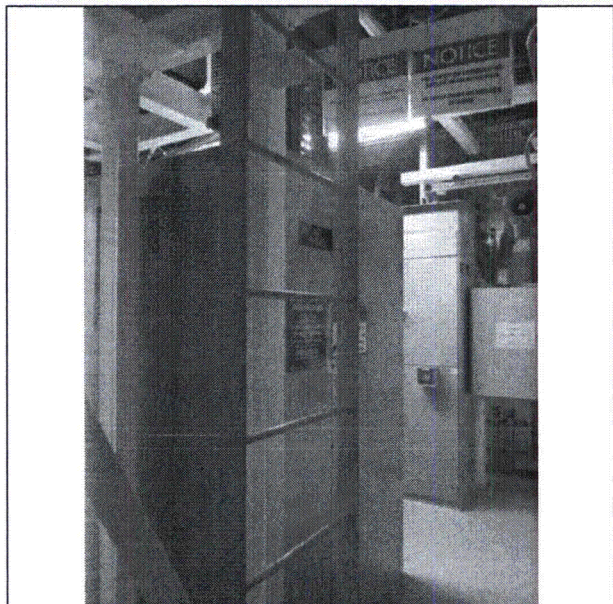
10/8/2012

Status: Y  N  U

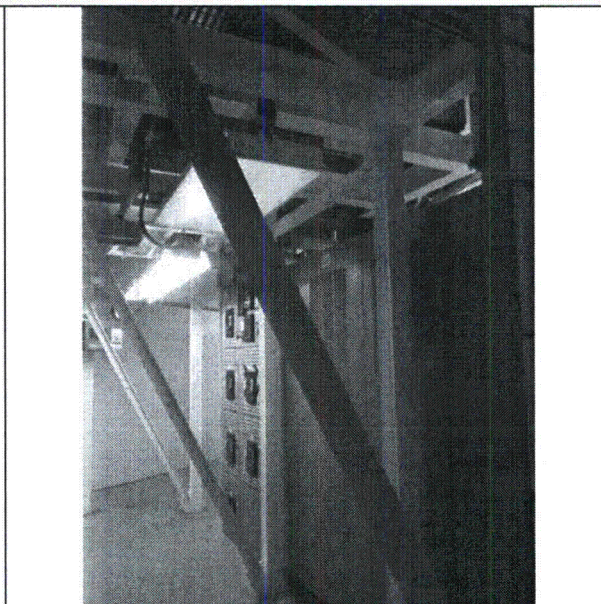
**Area Walk-By Checklist (AWC) AWC- 015**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A219, 09

**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*

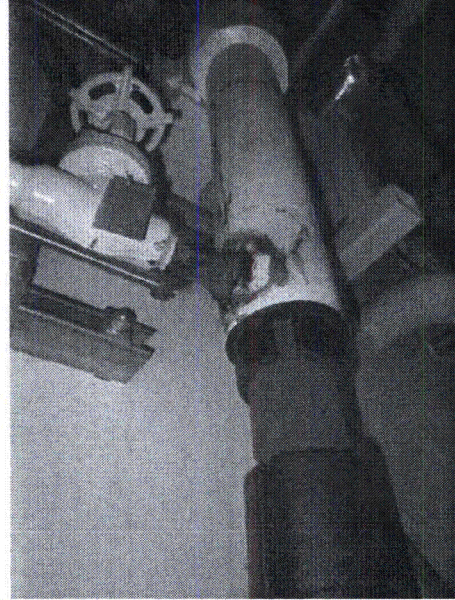
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 015**

Location: Bldg. AB Floor El. 119 Room, Area: 1A219, 09



**Note:** *Surface corrosion on pipe*



**Note:** *Surface corrosion on pipe*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 016**Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A220, 09**SWEL Components: SWEL1- 026****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Surface corrosion has been observed on bolts and steel members. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 016**

Location: Bldg. AB Floor El. 119 Room, Area: 1A220, 09

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

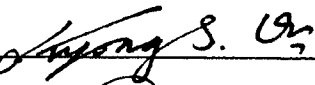
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Missing light bulb*

Evaluated by: Kyong S. (Jason) Pak



Date: 9/28/2012

Tori Robinson



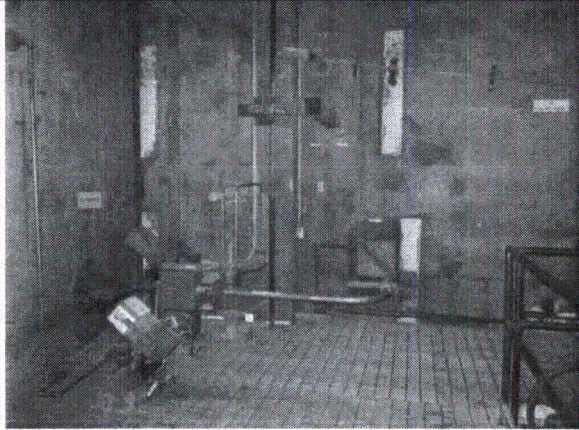
9/28/2012

Status: Y  N  U

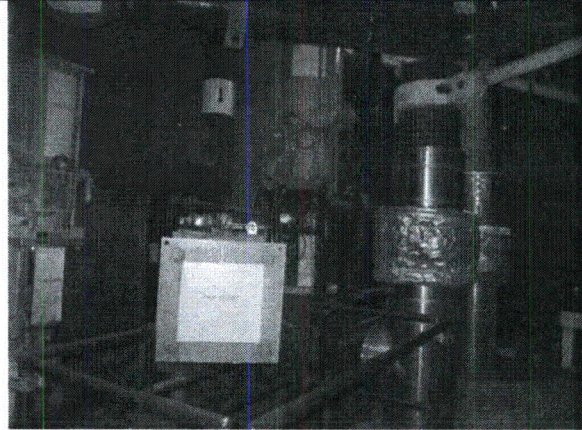
**Area Walk-By Checklist (AWC) AWC- 016**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A220, 09

**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 017**Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A221, 10**SWEL Components: SWEL1- 003****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
- There are many light fixtures in this room nearby MCCs and LCCs. However, these light fixtures are not directly located over any safety related equipment and they are all well supported; therefore, doesn't pose a seismic concern.*
- There are potential of fluorescent light bulbs fallout from fixture. However, falling light bulb doesn't pose a seismic concern to MCCs and LCCs nearby; therefore acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 017**

Location: Bldg. AB Floor El. 119 Room, Area: 1A221, 10

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak

*Kyong S. Pak*

Date: 9/28/2012

Tori Robinson

*Tori Robinson*

9/28/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 017**

Location: Bldg. AB Floor El. 119 Room, Area<sup>1</sup> 1A221, 10

**Photographs**



**Note:** *General view of the area*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 018**Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A304, 07**SWEL Components: SWEL1- 015****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Surface corrosion has been observed on many items (pipe, pipe support members, baseplate, hardware, etc.). The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 018**

Location: Bldg. AB Floor El. 139 Room, Area: 1A304, 07

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Housekeeping concern (see photos); however there are no sensitive equipments nearby such that it doesn't pose a seismic concern. (CR 2012-11467)*

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

**Comments**

None

Evaluated by: Kyong S. (Jason) Pak  Date: 10/8/2012

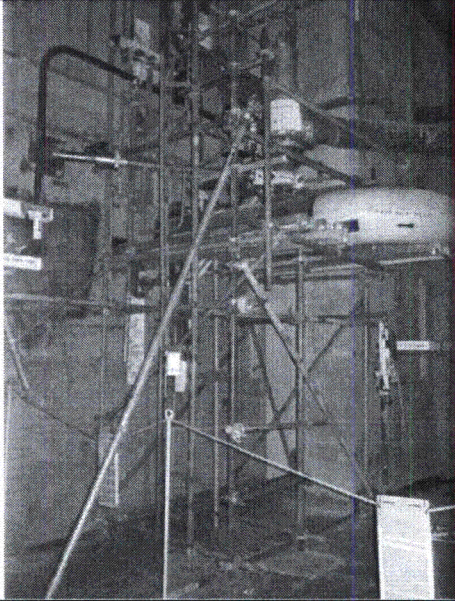
Tori Robinson  10/8/2012

Status: Y  N  U

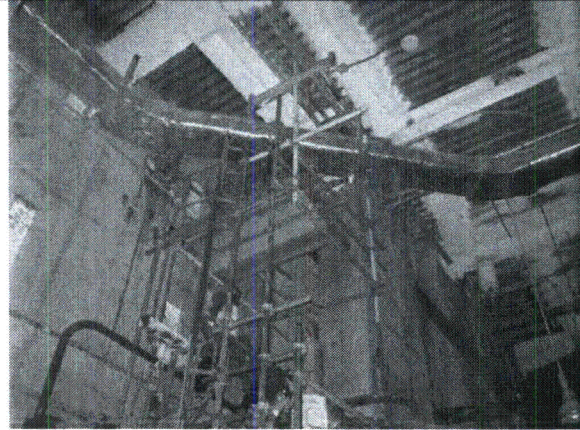
**Area Walk-By Checklist (AWC) AWC- 018**

Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A304, 07

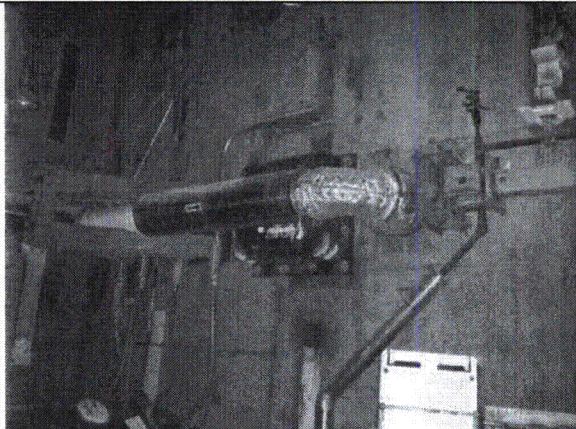
**Photographs**



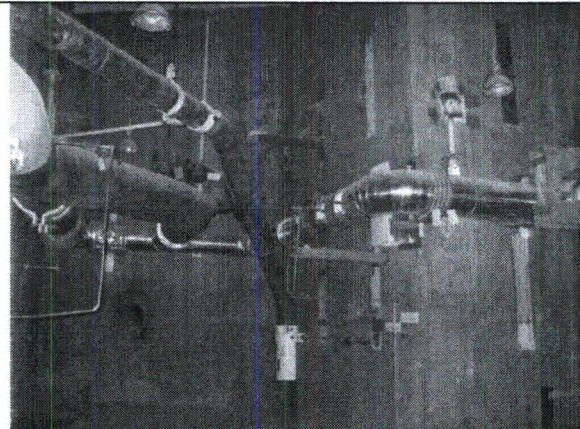
**Note:** *General view of the area*



**Note:** *General view of the area*



**Note:** *General view of the area*

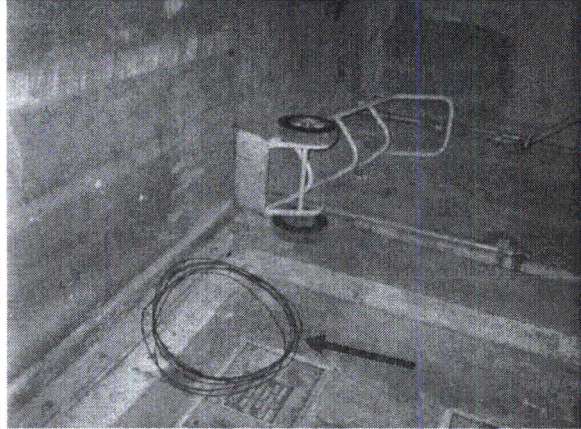


**Note:** *General view of the area*

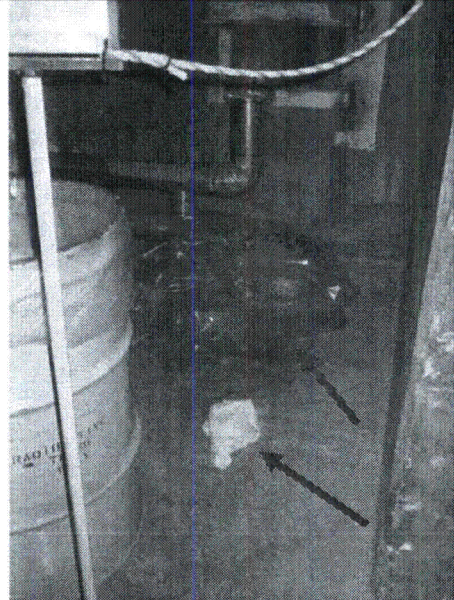
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 018**

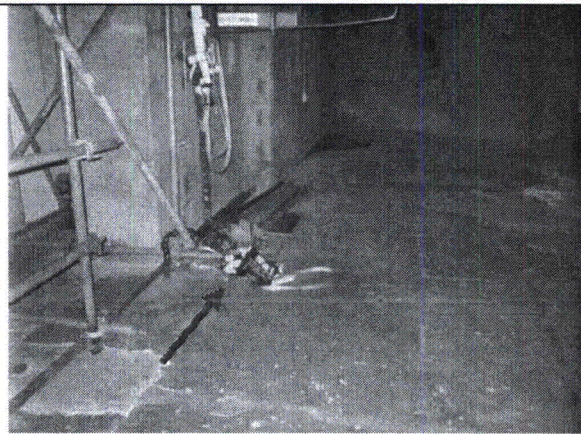
Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A304, 07



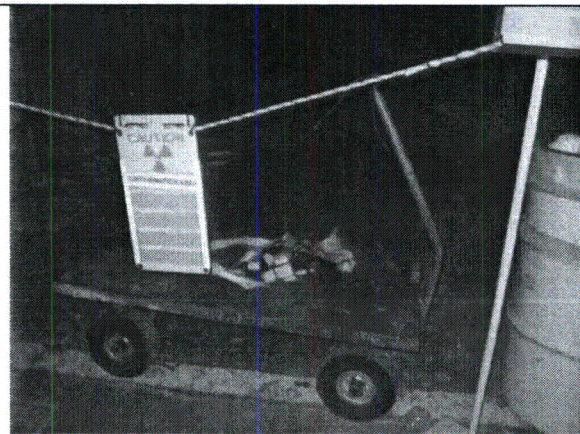
**Note:** *Cart and wire on the floor*



**Note:** *Rag and plastic bag on the floor*



**Note:** *Harness on the floor*



**Note:** *Cart on the floor*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 019**Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A305, 07 and 08**SWEL Components: SWEL1- 010, 025, 027, 037, 038, 073****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 019**

Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A305, 07 and 08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

Evaluated by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 019**

Location: Bldg. AB Floor El. 139 Room, Area: 1A305, 07 and 08

**Photographs**

<b>Note:</b>	<b>Note:</b>

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 019**

Location: Bldg. AB Floor El. 139 Room, Area: 1A305, 07 and 08

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**Note:**

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**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 020**Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A320, 08**SWEL Components: SWEL1- 004****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
- There are many light fixtures in this room nearby MCCs and LCCs. However, these light fixtures are not directly located over any safety related equipment and they are all well supported; therefore, doesn't pose a seismic concern.*
- There are potential of fluorescent light bulbs fallout from fixture. However, falling light bulb doesn't pose a seismic concern to MCCs and LCCs nearby; therefore acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 020**

Location: Bldg. AB Floor El. 139 Room, Area: 1A320, 08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak *Kyong S. Pak* Date: 9/27/2012

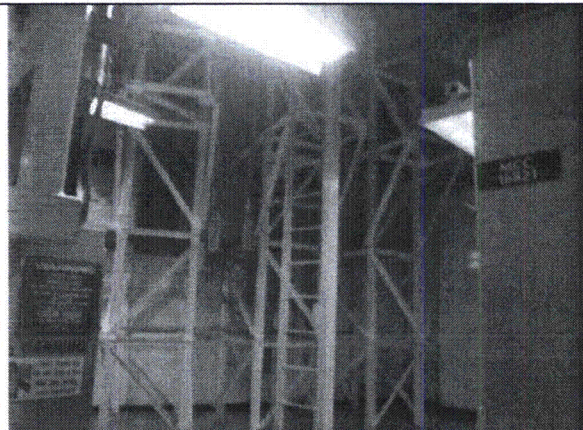
Tori Robinson *Tori Robinson* 9/27/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 020**

Location: Bldg. AB Floor El. 139 Room, Area<sup>1</sup> 1A320, 08

**Photographs**



**Note:** *General view of the area*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 021**Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A405, 08**SWEL Components: SWEL1- 021****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-021**

Location: Bldg. AB Floor El. 166 Room, Area: 1A405, 08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

*Ladder was laying on the floor unsecured, and tool box was on the floor secured to the platform support structure with wire rope but wasn't snug (CR 2012-11084 initiated WR# 00285020). See photo.*

*However, there are no sensitive equipments nearby that could be affected by these temporary items during seismic event; therefore acceptable.*

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

**Comments**

*Light bulb was missing on (3) light fixtures in this room (CR 2012-11084 initiated WR# 00285020).*

Evaluated by: Kyong S. (Jason) Pak *Kyong S. Pak* Date: 9/26/2012

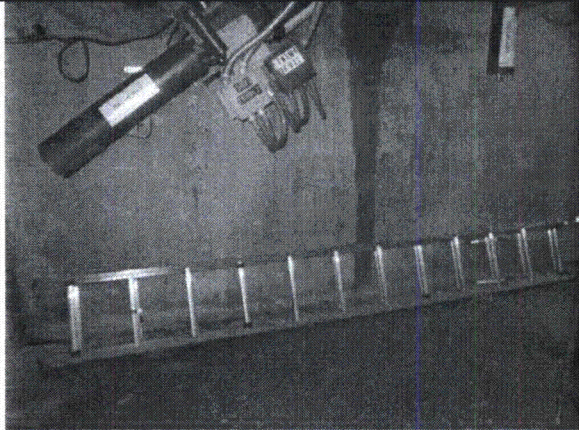
Tori Robinson *Tori Robinson* 9/26/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 021**

Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A405, 08

**Photographs**



**Note:** *Ladder on the floor*

**Note:**



Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 022**Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A407, 08**SWEL Components: SWEL1- 023****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 022**

Location: Bldg. AB Floor El. 166 Room, Area: 1A407, 08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

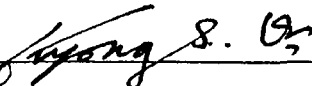
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U  
*Surface corrosion found on pipe (P41 system). The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photo.*

**Comments**

None

Evaluated by: Kyong S. (Jason) Pak



Date: 9/27/2012

Tori Robinson



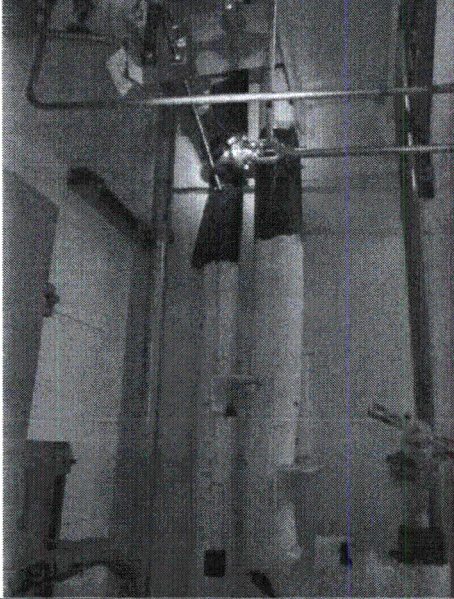
9/27/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 022**

Location: Bldg. AB Floor El. 166 Room, Area: 1A407, 08

**Photographs**



**Note:** *Surface oxidation on pipe*



**Note:** *Surface oxidation on pipe*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 023**Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A417.08**SWEL Components: SWEL1- 066****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-023**

Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A417, 08

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/27/2012

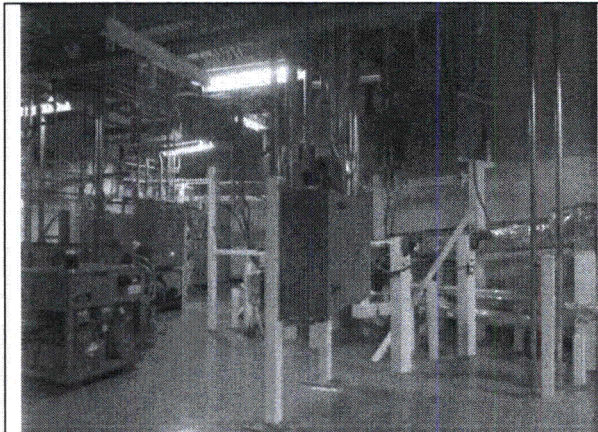
Tori Robinson  9/27/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 023**

Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A417, 08

**Photographs**



**Note:** *General view of the area*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 024**Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC202,CB**SWEL Components: SWEL1- 005, 052, 054, 055, 089****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 024**

Location: Bldg. CB Floor El. 111 Room, Area: OC202,CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Lights out. ladder in area is tied off.*

Evaluated by: Chase Wharton  Date: 10/10/2012

Fred Hopkins  10/10/2012

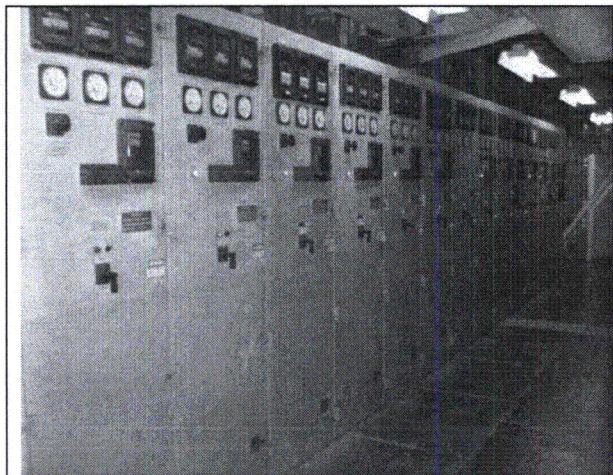


Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 024**

Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC202,CB

**Photographs**



**Note:**

**Note:**

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 025**

Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC207, CB

**SWEL Components: SWEL1- 050, 053**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A  
*Lighting over head but beacuse of the relatively light weight of the bulbs they do not cause any adverse seismic conditions.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 025**

Location: Bldg. CB Floor El. 111 Room, Area: OC207, CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

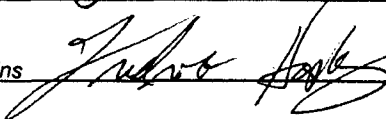
*None*

Evaluated by: Chase Wharton



Date: 10/9/2012

Fred Hopkins



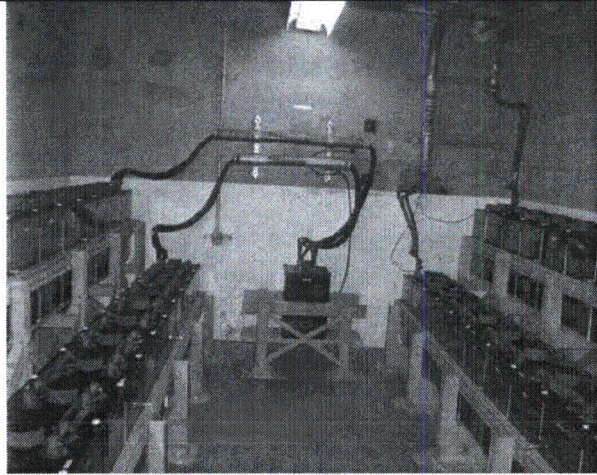
10/9/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 025**

Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC207, CB

**Photographs**



**Note:**

**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 026**

Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC208, CB

**SWEL Components: SWEL1- 087**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 026**

Location: Bldg. CB Floor El. 111 Room, Area: OC208, CB

- 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A
  
- 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A
  
- 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A
  
- 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

**Comments**

None

Evaluated by: Chase Wharton  Date: 10/10/2012

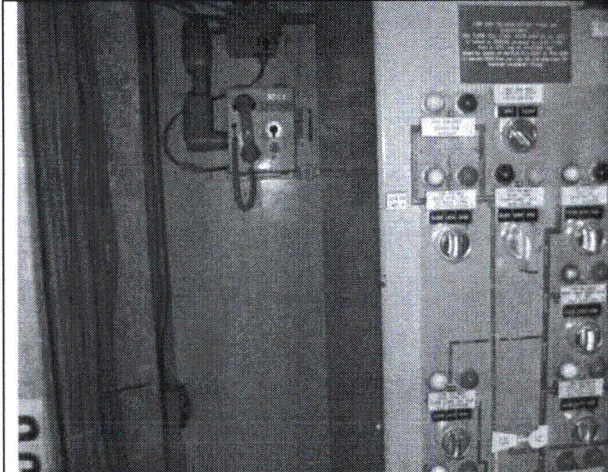
Fred Hopkins  10/10/2012

Status: Y  N  U

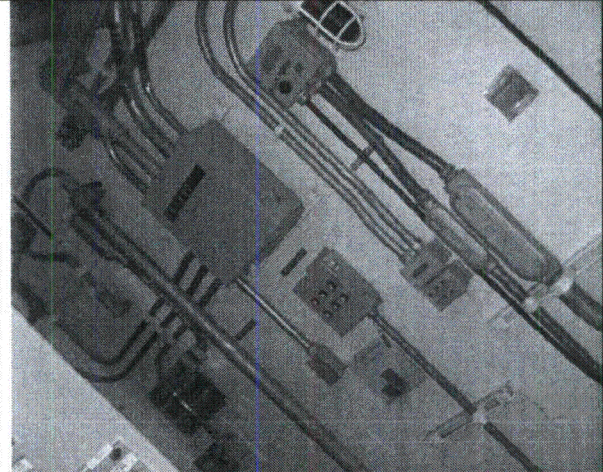
**Area Walk-By Checklist (AWC) AWC- 026**

Location: Bldg. CB Floor El. 111 Room, Area<sup>1</sup> OC208, CB

**Photographs**



**Note:**



**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 027**Location: Bldg. CB Floor El. 133 Room, Area<sup>1</sup> OC302, CB**SWEL Components: SWEL1- 045, 046****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Multiple light fixtures in this room are hung with chain using S-hook. However, this condition is judged to be acceptable.*

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 027**

Location: Bldg. CB Floor El. 133 Room, Area: OC302, CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*Masonry block walls are observed in this room. These walls are seismically qualified per calculation C-T457.1.*

**Comments**

*Water on the floor are observed during walkdown, however "Wet Floor" signs were already in place (see photo). Therefore, no action taken related to this item.*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/9/2012

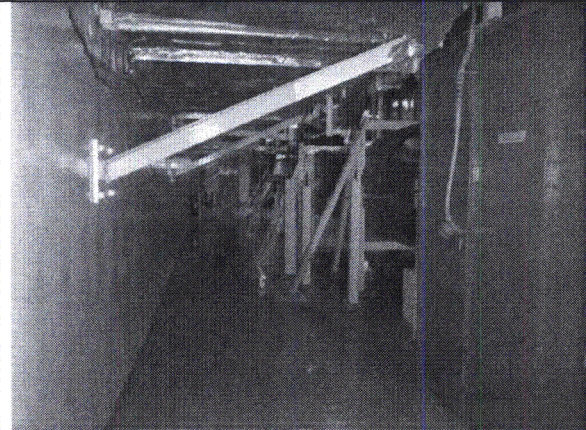
Tori Robinson  10/9/2012

Status: Y  N  U

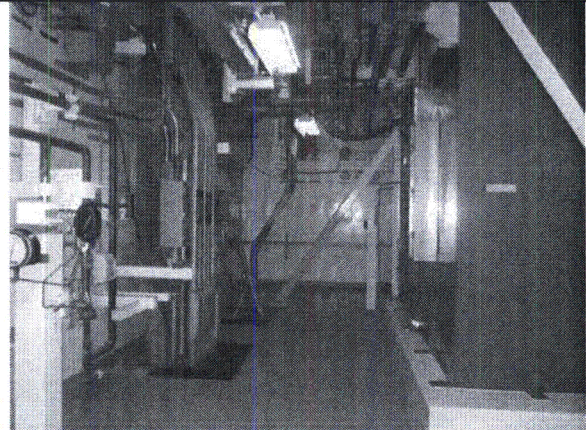
**Area Walk-By Checklist (AWC) AWC- 027**

Location: Bldg. CB Floor El. 133 Room, Area: OC302, CB

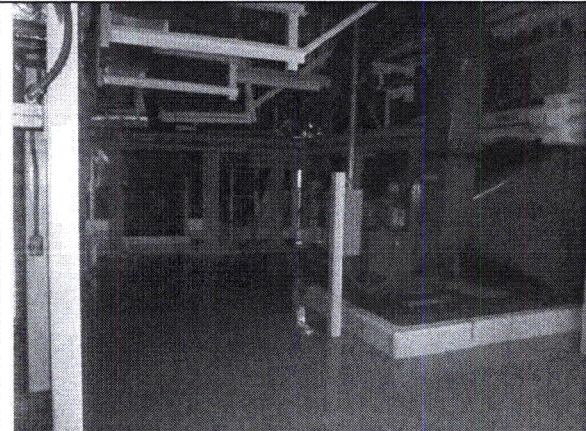
**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*



**Note:** *General view of the area*



**Note:** *Water on the floor*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 028**Location: Bldg. CB Floor El. 166 Room, Area<sup>1</sup> OC503, CB**SWEL Components: SWEL1- 086****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 028**

Location: Bldg. CB Floor El. 166 Room, Area: OC503, CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

*There are working chairs/tables/stands around this room; signs indicated that these items are qualified under procedure 01-S-07-43 and these items are not to be left near safety related equipment except for short breaks.*

*Fire extinguishers are supported to the wall using open hook. One of the bracket holding fire extinguisher is loose from the wall. However, this condition doesn't pose a seismic concern. (CR 2012-12041 initiated WR# 00289368) See photos.*

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

**Comments**

*None*

Evaluated by: *Kyong S. (Jason) Pak*

*Kyong S. Pak*

Date: 10/11/2012

Tori Robinson

*Tori Robinson*

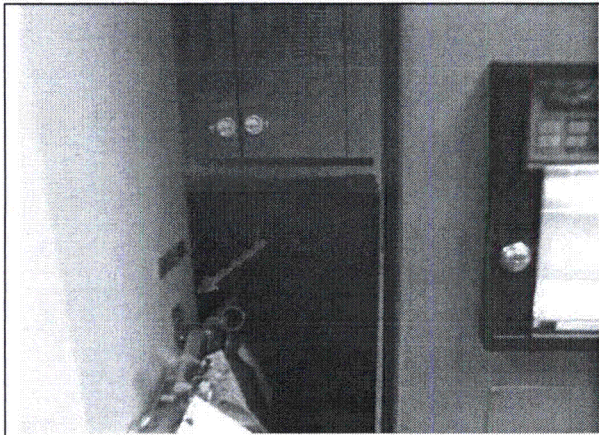
10/11/2012

Status: Y  N  U

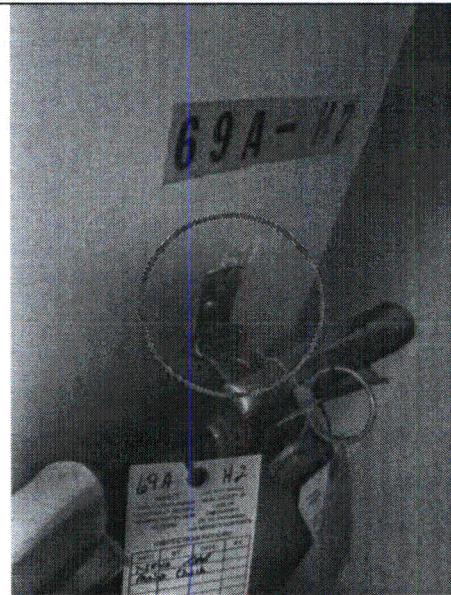
**Area Walk-By Checklist (AWC) AWC- 028**

Location: Bldg. CB Floor El. 166 Room, Area<sup>1</sup> OC503, CB

**Photographs**



**Note:** Loose bracket on the wall supporting fire extinguisher



**Note:** Loose bracket on the wall supporting fire extinguisher

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 029**Location: Bldg. CB Floor El. 166 Room, Area<sup>1</sup> OC504, CB**SWEL Components: SWEL1- 078, 081, 084, 085****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*One of the screw (total 4) in a plate on the back of E31AT5 (Oscillator) inside the panel H13P642 is loose. See photo. CR 2012-11254 (initiated WR #00285762) has been written to tighten the screw in place. These screws are a part of the component mounting. These screws are required to transfer seismic loads to the panel anchorage.*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*In general, cables inside panel are wrapped around with plastic tie-wrap, which is attached to adhesive sticky bracket. One of the sticky bracket holding cable inside the panel H13P642 fell off from the panel wall. However there are other supports nearby on both sides such that cable is sufficiently supported. Therefore, this condition doesn't pose a seismic concern.*
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-029**

Location: Bldg. CB Floor El. 166 Room, Area: OC504, CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*There are working chairs/tables/stands around this room; signs indicated that these items are qualified under procedure 01-S-07-43 and these items shall not be left near safety related equipment except for short breaks.*

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

**Comments**

*David Jones (Electrician) opened panels for SWE.  
Temporary Mod. tags (#38230) are attached on front of the panels H13P618, H13P694, etc.*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/2/2012

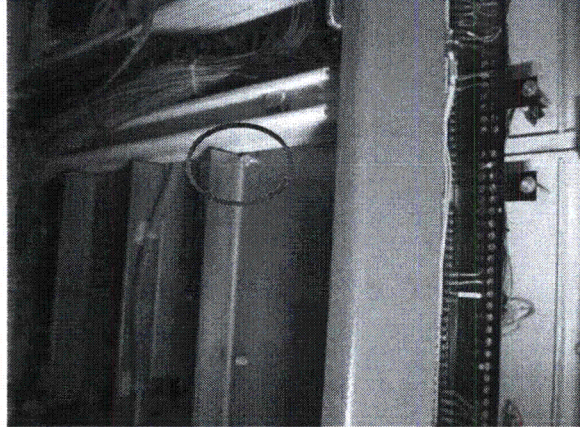
Tori Robinson  10/2/2012

Status: Y  N  U

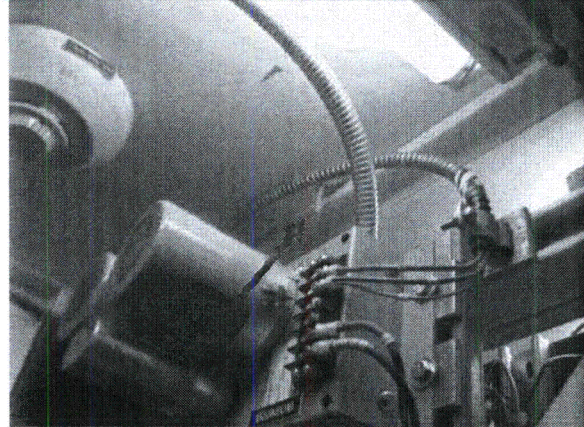
**Area Walk-By Checklist (AWC) AWC- 029**

Location: Bldg. CB Floor El. 166 Room, Area<sup>1</sup> OC504, CB

**Photographs**



**Note:** *Loose bolt supporting E31AT5 (Isolator) inside the panel 1H13P642*



**Note:** *Loose/open tie-wrap (not supporting any cable)*



Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 030**Location: Bldg. CB Floor El. 189 Room, Area<sup>1</sup> OC703, CB**SWEL Components: SWEL1- 079, 080, 082, 083, 091****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
- Multiple light fixtures in this room are hung with chain using S-hook. However, these light fixtures are not directly located over any safety related equipment. Therefore, this condition is judged to be acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 030**

Location: Bldg. CB Floor El. 189 Room, Area: OC703, CB

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*There are working chairs/tables in this room; signs indicated that these items are qualified under procedure 01-S-07-43 and these items are not to be left near safety related equipment except short breaks. At the time of walkdown, all items were stored against the wall away from panels.*

*Grounding mat was on the floor, however this item doesn't pose a seismic concern.*

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

**Comments**

None

Evaluated by: Kyong S. (Jason) Pak

*Kyong S. Pak*

Date: 10/9/2012

Tori Robinson

*Tori Robinson*

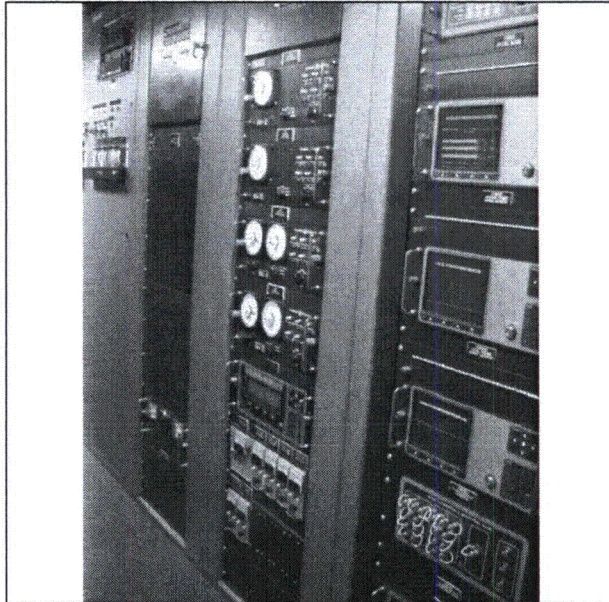
10/9/2012

Status: Y  N  U

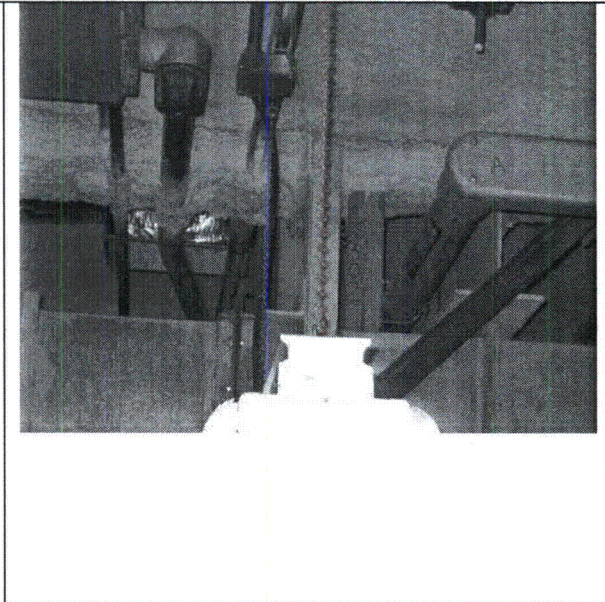
**Area Walk-By Checklist (AWC) AWC- 030**

Location: Bldg. CB Floor El. 189 Room, Area<sup>1</sup> OC703, CB

**Photographs**



**Note:** One of panel in this room.



**Note:** Light fixture hung with chain using S-hook.

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 031**Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A112, CTMT**SWEL Components: SWEL1- 009, 042, 067****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 031**

Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A112, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

Evaluated by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 031**

Location: Bldg. CTMT Floor El. 135 Room, Area: 1A112, CTMT

**Photographs**

<b>Note:</b>	<b>Note:</b>

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 031**

Location: Bldg. CTMT Floor El. 135 Room, Area: 1A112, CTMT

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**Note:**

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**Note:**

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Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 032**Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A311, CTMT**SWEL Components: SWEL1- 014, 029, 065, 075****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y N U

**Area Walk-By Checklist (AWC) AWC-032**

Location: Bldg. CTMT Floor El. 135 Room, Area: 1A311, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A


6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

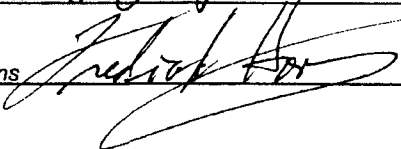
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Bent support plate for M51SVF502B. Temporary cable with appropriate tags in area. temporary pipe/hose at AZ-285 area. CR-GGN-2012-11122*

Evaluated by: Chase Wharton  Date: 9/27/2012

Fred Hopkins  9/27/2012

Status: Y  N  U

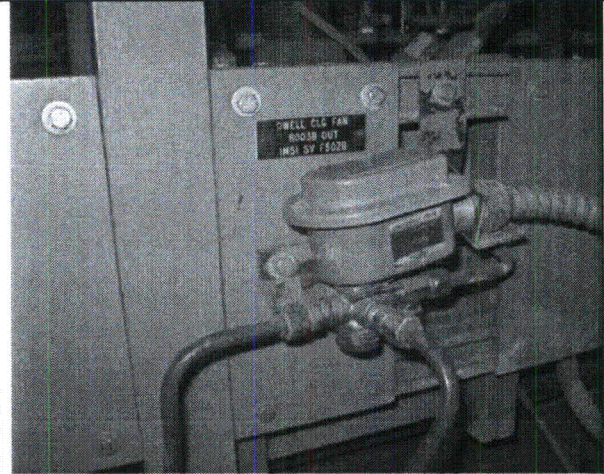
**Area Walk-By Checklist (AWC) AWC- 032**

Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A311, CTMT

**Photographs**



**Note:**



**Note:**

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 033**

Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A313, CTMT

**SWEL Components: SWEL1- 058, 060, 074**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y N U N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-033**

Location: Bldg. CTMT Floor El. 135 Room, Area: 1A313, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Fire extinguisher not secured properly, however this condition doesn't pose seismic concern since there are no sensitive equipment nearby. See photo. (CR 2012-11129)*
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*Surface corrosion found on pipe. Based on visual inspection from distance away, the corrosion was determined to be limited in extent and depth. Therefore, it is judged to have negligible effects on the ability of the affected components. See photo.*

**Comments**

*Trash/debris (tie-wrap, pencil, pen, tape, etc.) around the area. See photos. (CR 2012-11129)*  
*Tubing runs between two panels about knee high; unprotected from people bumping on it (dark area). See photos.*

Evaluated by: Kyong S. (Jason) Pak

Date: 9/27/2012

Tori Robinson

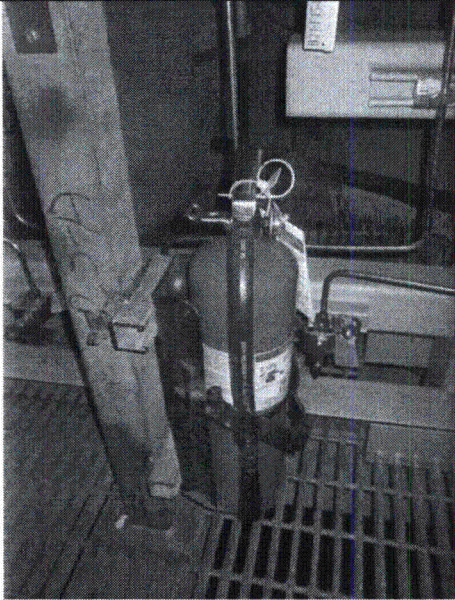
9/27/2012

Status: Y  N  U

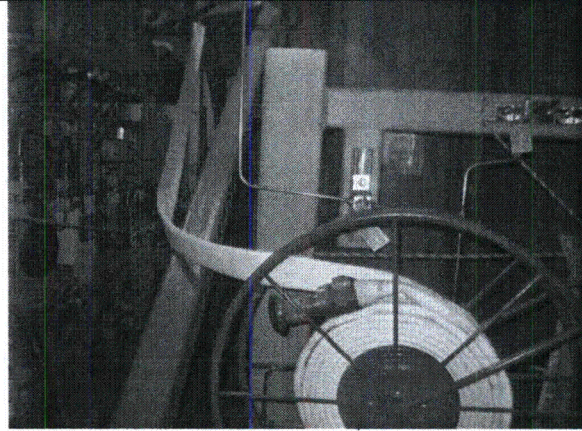
**Area Walk-By Checklist (AWC) AWC- 033**

Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A313, CTMT

**Photographs**



**Note:** Broken strap for fire extinguisher



**Note:** Loose fire hose

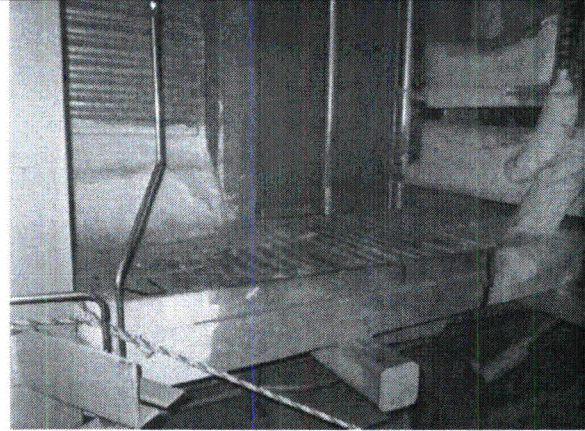
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 033**

Location: Bldg. CTMT Floor El. 135 Room, Area<sup>1</sup> 1A313, CTMT



**Note:** *Rusted pipe*



**Note:** *Pencil and trash on top of cable tray*



**Note:** *Tubing running between two instrument rack*



**Note:** *Tubing running between two instrument rack*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 034**Location: Bldg. CTMT Floor El. 161 Room, Area<sup>1</sup> 1A445, CTMT**SWEL Components: SWEL1- 017, 019, 020, 064****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?  
*Over head conduit and ducts are adequately supported.* Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?  
*Tube steel may contact with the insulation however this is adequate clearance from pipe.* Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 034**

Location: Bldg. CTMT Floor El. 161 Room, Area: 1A445, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

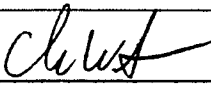
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A   
*Exposed copper wire in wall penetration. CR-GGN-2012-11154*

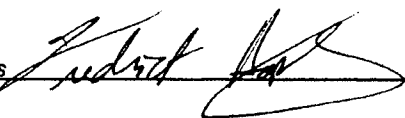
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Chain for manual valve operator with adequate tied downs.*

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

**Comments**

*Apparent shrinkage crack in concrete. Conduit Penetration is not labled. CR-GGN-2012-11153*

Evaluated by: Chase Wharton  Date: 9/28/2012

Fred Hopkins  9/28/2012

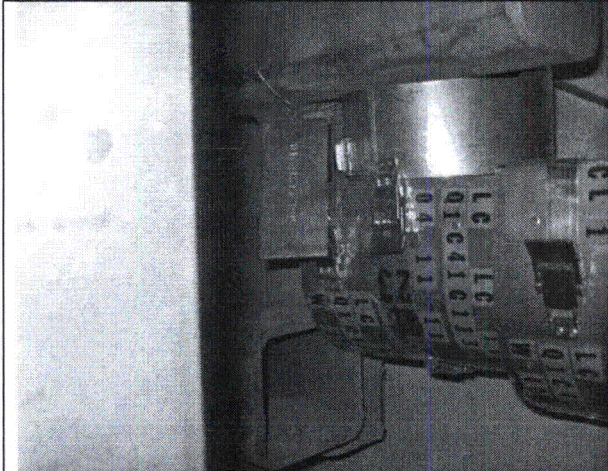


Status: Y  N  U

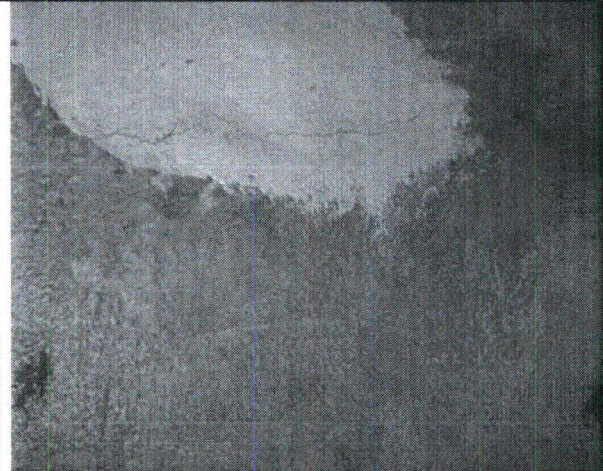
**Area Walk-By Checklist (AWC) AWC- 034**

Location: Bldg. CTMT Floor El. 161 Room, Area<sup>1</sup> 1A445, CTMT

**Photographs**



**Note:** *Potential contact with tube steel and insulation. Tube steel and pipe are adequately supported and pipe has adequate clearance.*

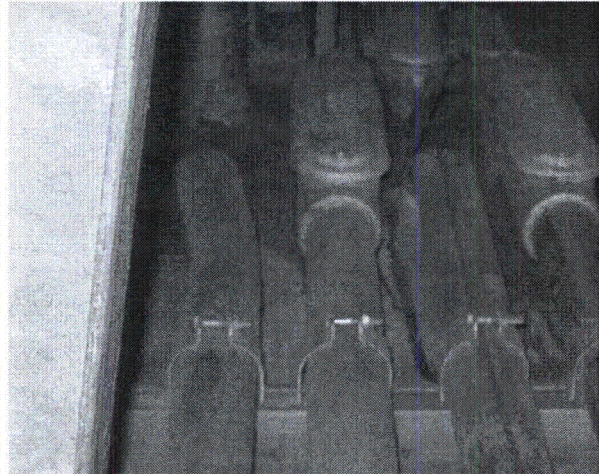


**Note:** *Surface crack.*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 034**

Location: Bldg. CTMT Floor El. 161 Room, Area: 1A445, CTMT



**Note:** *Exposed copper wire.*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 035**Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A509, CTMT**SWEL Components: SWEL1- 016****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-035**

Location: Bldg. CTMT Floor El. 185 Room, Area: 1A509, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A  
*Temporary installation (lighting with extension cord, drain hose on the floor, etc); doesn't pose a seismic concern.*

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

**Comments**

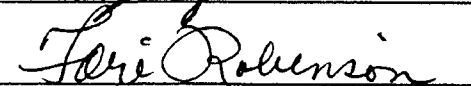
*None*

Evaluated by: Kyong S. (Jason) Pak



Date: 10/4/2012

Tori Robinson



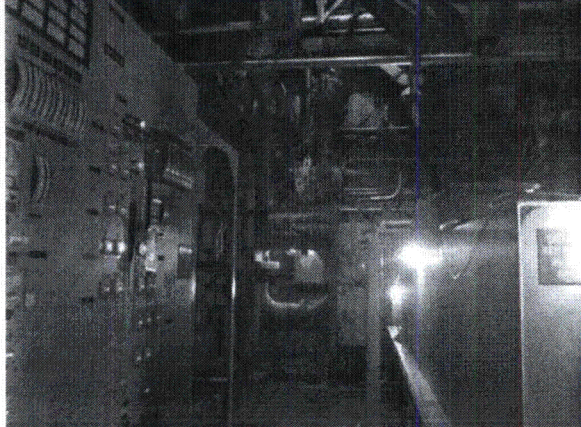
10/4/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 035**

Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A509, CTMT

**Photographs**



**Note:** *General view of the area, temporary lighting*

**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 036**

Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A509, CTMT

**SWEL Components: SWEL1- 040**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-036**

Location: Bldg. CTMT Floor El. 185 Room, Area: 1A509, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A  
*Temporary installation (scaffolding); doesn't pose a seismic concern.*

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak

*Kyong S. Pak*

Date: 10/4/2012

Tori Robinson

*Tori Robinson*

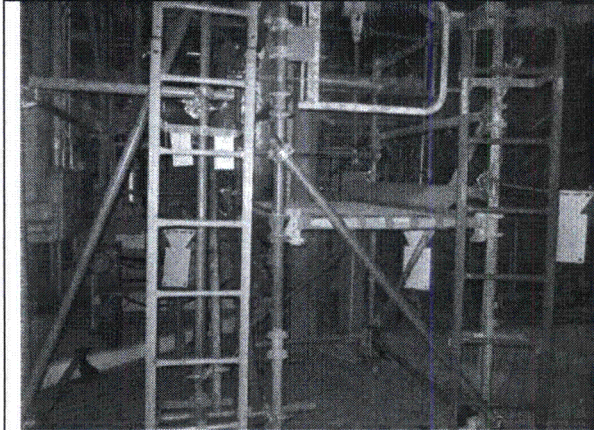
10/4/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 036**

Location: Bldg. CTMT Floor El. 185 Room, Area: 1A509, CTMT

**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*



Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 037**Location: Bldg. CTMT Floor El. 185 Room, Area: 1A512, CTMT**SWEL Components: SWEL1- 051****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Floor is coated. Surface hairline crack in the coating nearby baseplate found at multiple locations. See photo. (CR 2012-11335)*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 037**

Location: Bldg. CTMT Floor El. 185 Room, Area: 1A512, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A   
*Abandon tubings found in the area. There are no soft target equipments nearby; therefore these items pose no seismic concern. See photo.*

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*Liquid dripping from FME bag near the valve P41FX255. (CR 2012-11337 initiated WR #00286062)*

Evaluated by: Kyong S. (Jason) Pak *Kyong S. Pak* Date: 10/4/2012  
Tori Robinson *Tori Robinson* 10/4/2012

Status: Y  N  U

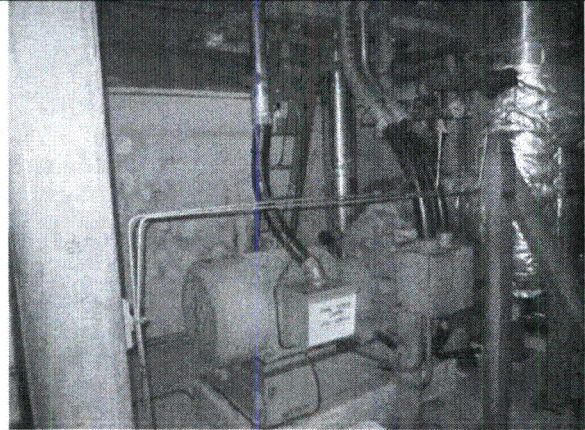
**Area Walk-By Checklist (AWC) AWC- 037**

Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A512, CTMT

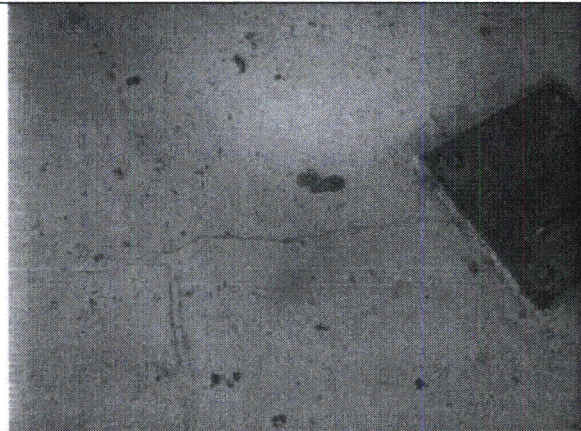
**Photographs**



**Note:** *Liquid on FME bag, surface oxidation on pipe*



**Note:** *Abandon tubing*



**Note:** *Hairline crack on coating of the concrete floor*



**Note:** *Hairline crack on coating of the concrete floor*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 038**Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A514, CTMT**SWEL Components: SWEL1- 028****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*The plate on the wall (G36F030A) doesn't have any anchor bolts (all other similar plates in this room are bolted to the wall) and no visible welds. However, the plate is snug and not loose on the wall. Also, the nut for the manual operator is missing. See photo. (CR 2012-11334 initiated WR# 00286070)*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Minor surface corrosion found on pipe/baseplate/steel members. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. See photos.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC-038**

Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A514, CTMT

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A  
*Temporary ladder, used light bulb, tools, temporary lead shielding, etc. found in this area; however doesn't pose seismic concern on the equipments nearby. See photo.*

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

**Comments**

*Missing light bulb.*

Evaluated by: Kyong S. (Jason) Pak

Date: 10/4/2012

Tori Robinson

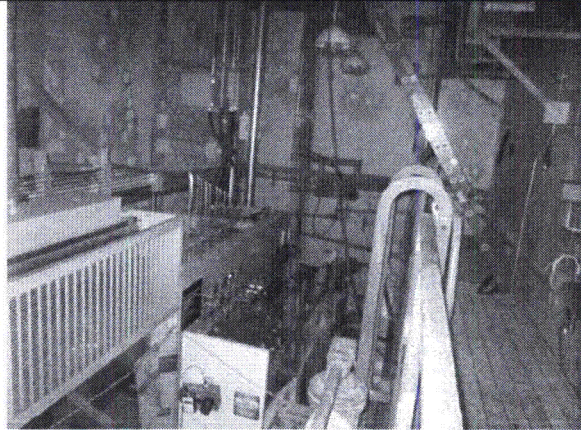
10/4/2012

Status: Y  N  U

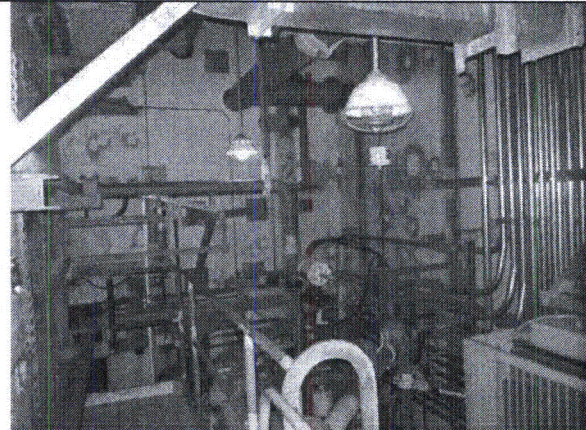
**Area Walk-By Checklist (AWC) AWC- 038**

Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A514, CTMT

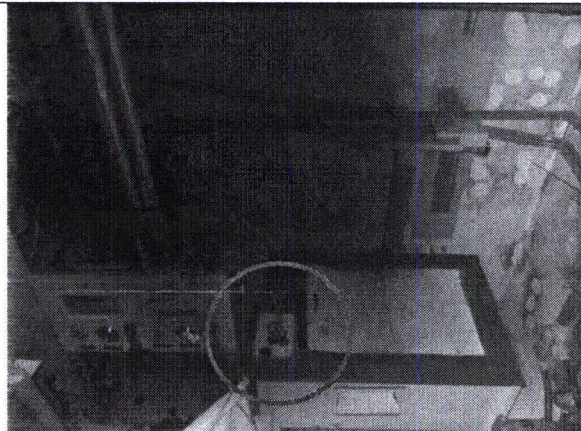
**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*



**Note:** *Tools laying on top of equipment*

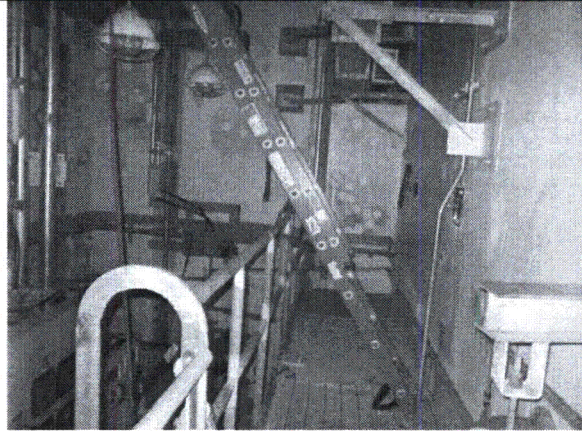


**Note:** *Surface corrosion on pipe*

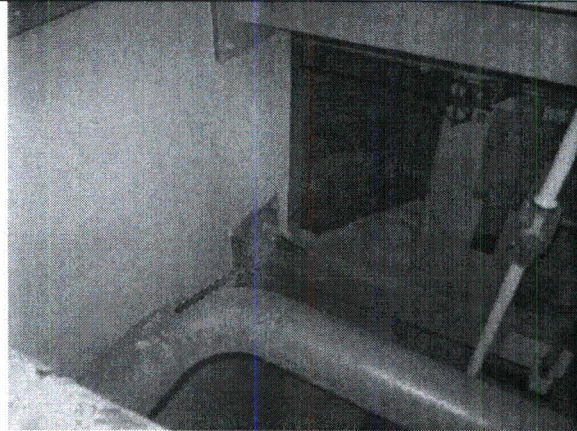
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 038**

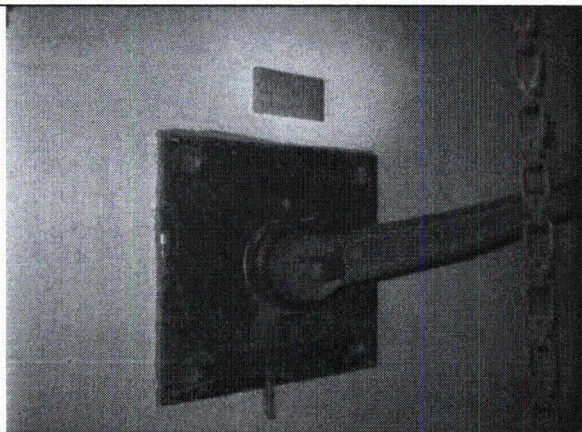
Location: Bldg. CTMT Floor El. 185 Room, Area<sup>1</sup> 1A514, CTMT



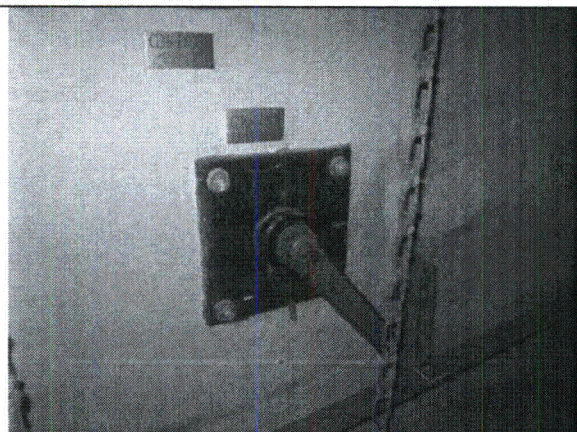
**Note:** *Temporary ladder on the platform*



**Note:** *Used light bulb on top of the support beam*



**Note:** *Missing anchor bolts / missing nut on the manual operator handle*



**Note:** *Surface corrosion*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 039**Location: Bldg. DG Floor El. 133 Room, Area: 1D302, DSL**SWEL Components: SWEL1- 063****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 039**

Location: Bldg. DG Floor El. 133 Room, Area: 1D302, DSL

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A


7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*Room 1D302 and 1D310 are in same Div. 1 DG room, therefore AWC performed only once. See AWC of Room 1D310 for this room.*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/26/2012

Tori Robinson  9/26/2012

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 040**Location: Bldg. DG Floor El. 133 Room, Area<sup>1</sup> 1D308, DSL**SWEL Components: SWEL1- 090****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- |  |  |
|--|--|
| 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?  | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?<br><i>Minor hairline indication found in the coating on the DG concrete pedestal. The visual crack doesn't line up with the bolt holes (CR 2012-11126).<br/>Degraded grout (anchor bolt exposed) underneath of pipe support baseplate (P75 system) near the DG (CR 2012-11128 initiated WR# 00285189). See photos.</i>  | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?<br><i>Conduit is not straight at one of support location for the conduit from CMPR Control Panel (SBY DSL GEN 12 SKID B). However, conduit is considered to be acceptable based on review of condition. See photo.<br/>One of conduit support clamp is very close (~1/8") to edge of supporting unistrut; however this condition is judged to be acceptable. See photo.</i> | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |
| 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?<br><i>Open-S hooks were identified as an IPEEE vulnerability. Multiple light fixtures in this room are hung with chain using open S-hook. However, this condition is judged to be acceptable, because the light fixture was not directly above any soft targets.</i>  | Y <input checked="" type="checkbox"/> N <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/> |

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 040**

Location: Bldg. DG Floor El. 133 Room, Area: 1D308, DSL

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Found temporary items, Operations Locker and Rag Basket, resting on the floor; however these items had sign indicating that they are qualified by procedure 01-S-07-43; therefore acceptable. See photos.*

*Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable.*

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

**Comments**

*Blake Rice (NRC Inspector) came with us to the walkdown.*

*Found visual oil mark and oil spill mats on the floor (CR 2012-11010). Also, paint chips on pedestal of equipment 1P75A001D and on the floor are observed during walkdown (CR 2012-11009). See photos.*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/27/2012

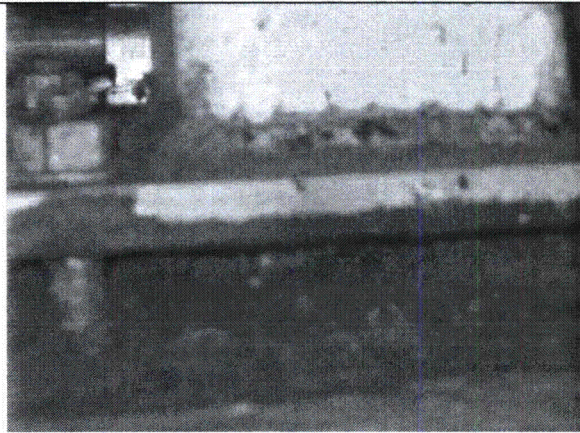
Tori Robinson  9/27/2012

Status: Y  N  U

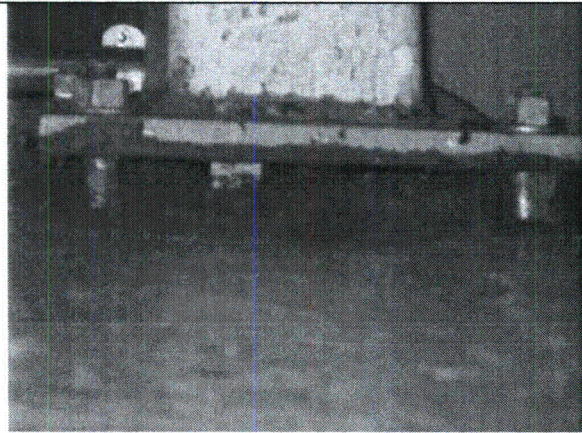
**Area Walk-By Checklist (AWC) AWC- 040**

Location: Bldg. DG Floor El. 133 Room, Area<sup>1</sup> 1D308, DSL

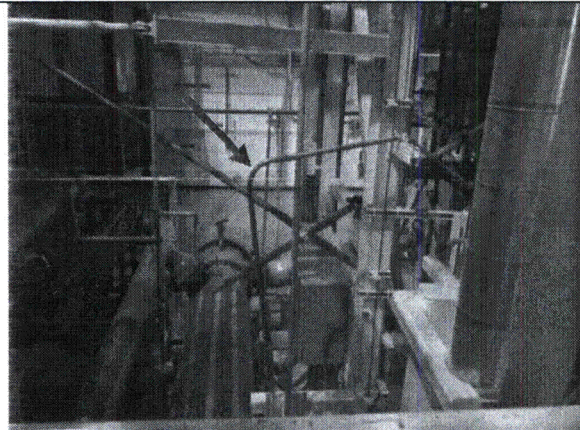
**Photographs**



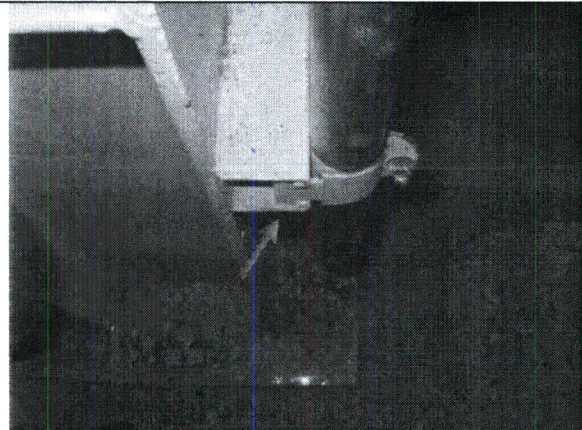
**Note:** *Degraded grout under the baseplate of pipe support*



**Note:** *Degraded grout under the baseplate of pipe support*



**Note:** *1" conduit with potential overspan concern and uncommon way of routing conduit*



**Note:** *Conduit clamp being close to the edge of the supporting unistrut*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 040**

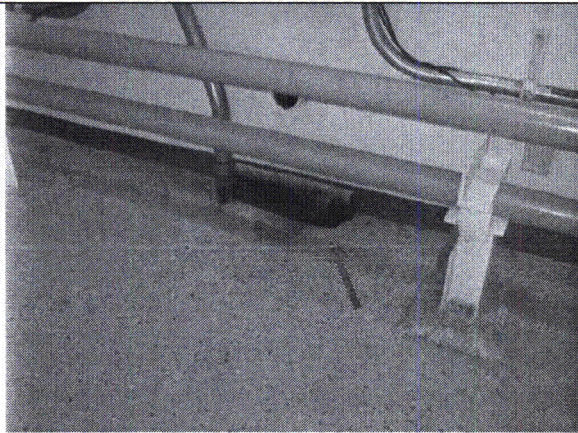
Location: Bldg. DG Floor El. 133 Room, Area<sup>1</sup> 1D308, DSL



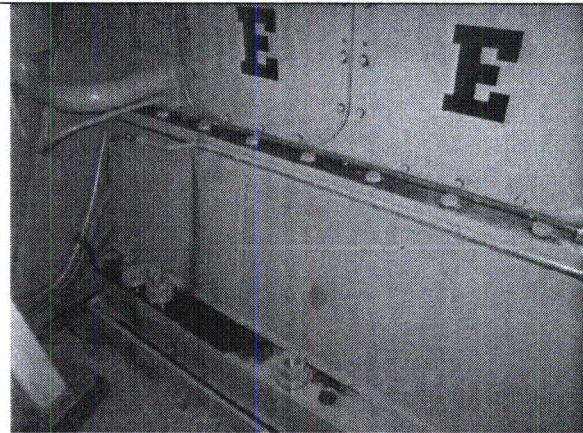
**Note:** *Operations Locker on floor*



**Note:** *Rag Basket on floor*



**Note:** *Oil Mat on the floor*



**Note:** *Visible oil mark*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 040**

Location: Bldg. DG Floor El. 133 Room, Area: 1D308, DSL



**Note:** *paint chips on the concrete pedestal*



**Note:** *paint chips on the floor*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 041**Location: Bldg. DG Floor El. 133 Room, Area<sup>1</sup> 1D310, DSL**SWEL Components: SWEL1- 002, 011, 056, 093****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Minor hairline indication found in the coating on the DG concrete pedestal. The visual crack doesn't line up with the bolt holes (CR 2012-11077).*  
*Degraded grout (anchor bolt exposed) underneath the pipe support (near valve P75-F069B) near the DG (CR 2012-11080). See photos.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Open S-hooks were identified as an IPEEE vulnerability. Multiple light fixtures in this room are hung with chain using open S-hook. However, these light fixtures are not directly located over any safety related equipment. Therefore, this condition is judged to be acceptable.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 041**

Location: Bldg. DG Floor El. 133 Room, Area: 1D310, DSL

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Found temporary items, Operations Locker and Rag Basket, resting on the floor; however these items had sign indicating that they are qualified by procedure 01-S-07-43; therefore acceptable. See photo.*

*Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable.*

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

**Comments**

*Dried oil residue in the area (CR 2012-11079), and soaked oil mats under the DG. Adhesive label attached to the valve 1P75F501A is peeling off (CR 2012-11081 initiated WR# 00285018).*

*Paint on bottom of duct is peeling off (CR 2012-11078 initiated WR# 00285015).*

*See photos.*

Evaluated by: Kyong S. (Jason) Pak

Date: 9/26/2012

Tori Robinson

9/26/2012

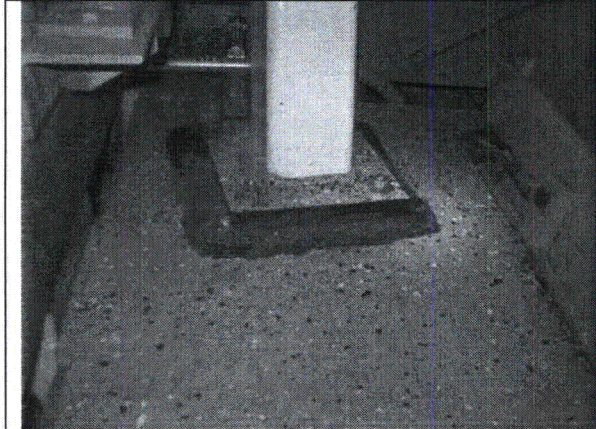


Status: Y  N  U

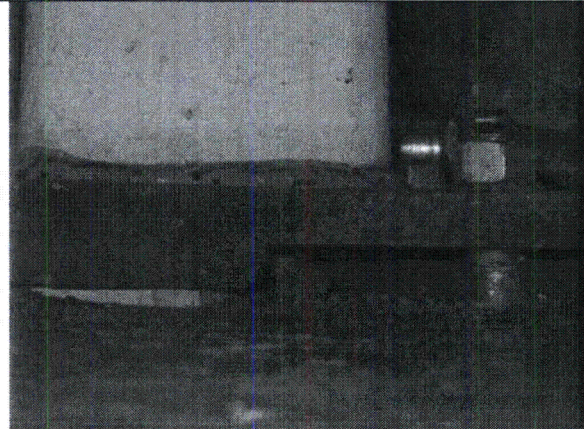
**Area Walk-By Checklist (AWC) AWC- 041**

Location: Bldg. DG Floor El. 133 Room, Area: 1D310, DSL

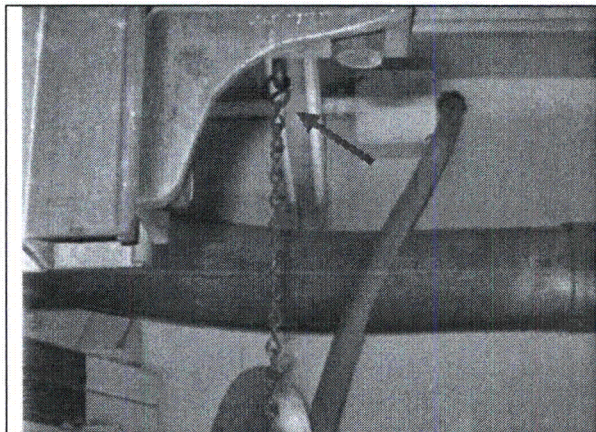
**Photographs**



**Note:** *Degraded grout under the baseplate of pipe support*



**Note:** *Degraded grout under the baseplate of pipe support*



**Note:** *Light fixture mounted using S-hook*



**Note:** *Operations Lockers and Rag Can*

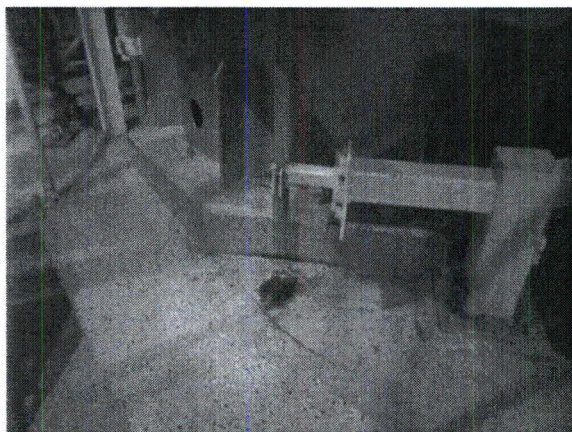
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 041**

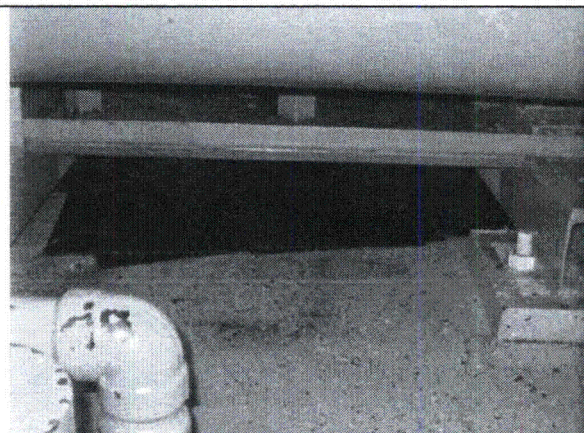
Location: Bldg. DG Floor El. 133 Room, Area<sup>1</sup> 1D310, DSL



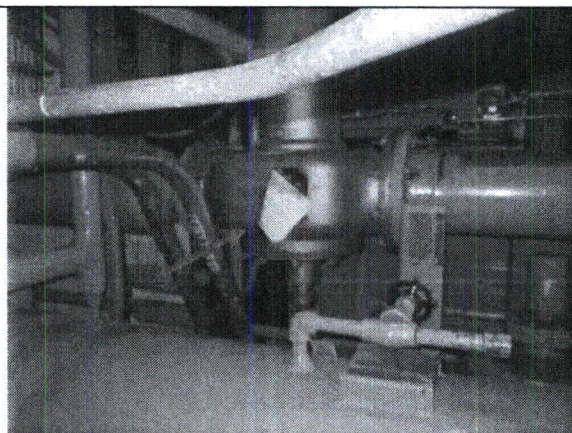
**Note:** *Oil spill on the floor*



**Note:** *Oil spill on the floor*



**Note:** *Soaked oil mat under the DG*



**Note:** *Sign peeling off from the valve*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 041**

Location: Bldg. DG Floor El. 133 Room, Area: 1D310, DSL



**Note:** *Paint peeling off from bottom of the duct*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 042**Location: Bldg. DG Floor El. 158 Room, Area<sup>1</sup> 1D403, DSL**SWEL Components: SWEL1- 049****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 042**

Location: Bldg. DG Floor El. 158 Room, Area: 1D403, DSL

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

*Temporary stand frame found; however it's tied-off to the handrail using wire rope. Temporary scaffolding (connected to the permanent platform structure) and control for the overhead hoist (see photo) found in this area doesn't pose a seismic concern.*

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

**Comments**

*One of the light fixture is missing light bulb.*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/26/2012

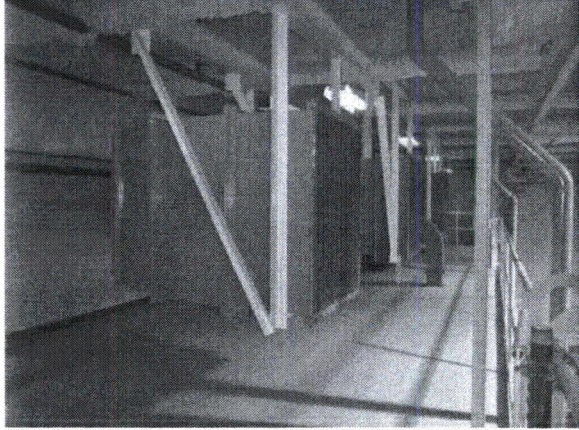
Tori Robinson  9/26/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 042**

Location: Bldg. DG Floor El. 158 Room, Area: 1D403, DSL

**Photographs**



**Note:** *General view of area*



**Note:** *Controls for the overhead hoist.*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 043**

Location: Bldg. SSW Floor El. 133 Room, Area: 1M110, SSW

**SWEL Components: SWEL1- 007, 048**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*Found many baseplates in this area with mix of using anchors (concrete wall) and weld connections (embedded plate). See photos. Later walkdown revealed these are typical throughout the plant.*

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*Surface corrosion has been observed on several pipe supports. The corrosion was visually inspected and determined to be limited in extent and depth. Therefore, it is judged to have negligible affects on the ability of the affected components. (CR 2012-11008). See photo.*

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 043**

Location: Bldg. SSW Floor El. 133 Room, Area: 1M110, SSW

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Fire extinguishers are supported to the wall using open hook. However, this doesn't pose a seismic concern; therefore acceptable.*

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

**Comments**

*Pump room door wouldn't open (CR 2012-11007).*

Evaluated by: Kyong S. (Jason) Pak

*Kyong S. Pak*

Date: 9/24/2012

Tori Robinson

*Tori Robinson*

9/24/2012

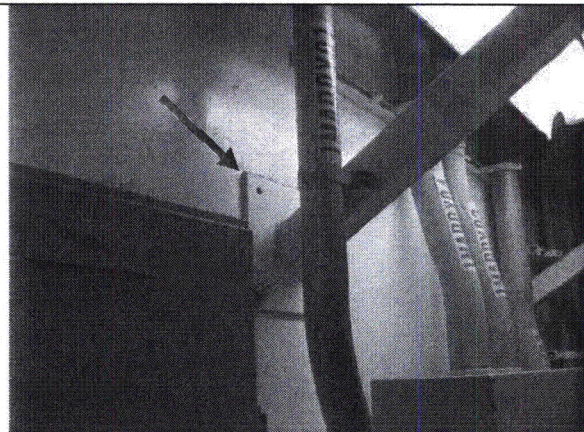


Status: Y  N  U

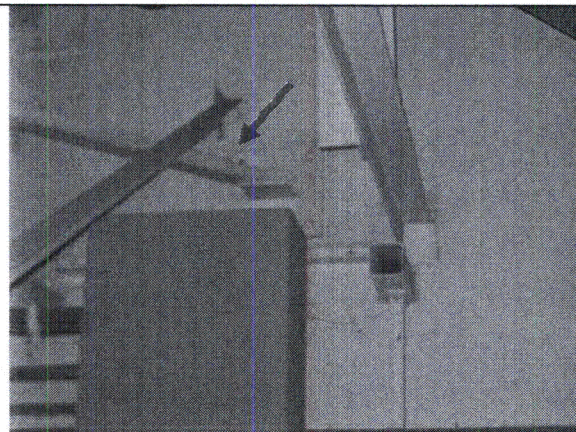
**Area Walk-By Checklist (AWC) AWC- 043**

Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 1M110, SSW

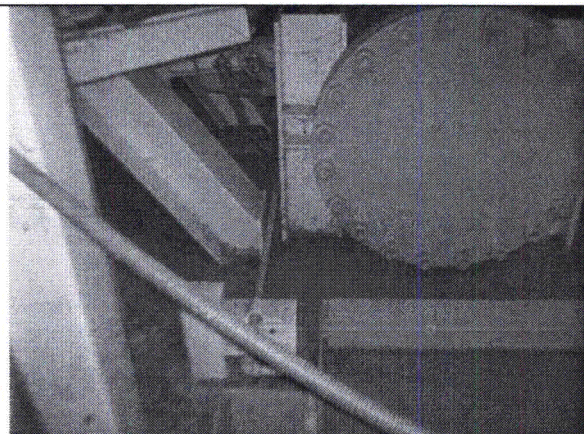
**Photographs**



**Note:** Baseplate on the wall using anchor bolts (bottom side) and weld connection (top side), verified.



**Note:** Baseplate missing one anchor bolt, couldn't verify whether weld exists at that location.



**Note:** Coating deficiencies and surface corrosion found on column/baseplate of pipe supports



**Note:** Coating deficiencies and surface corrosion found on column/baseplate of pipe supports

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 044**Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 1M111, SSW**SWEL Components: SWEL1- 008****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

---

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 044**

Location: Bldg. SSW Floor El. 133 Room, Area: 1M111, SSW

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

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

**Comments**

*Room 1M110 and 1M111 are in same area, therefore AWC performed only once. See AWC of Room 1M110 for this room.*

Evaluated by: Kyong S. (Jason) Pak

*Kyong S. Pak*

Date: 9/24/2012

Tori Robinson

*Tori Robinson*

9/24/2012

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 045**Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 1M112, SSW**SWEL Components: SWEL1- 041, 062****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*There is a fire exstinguisher on an open hook, but will not interact with other equipment.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 045**

Location: Bldg. SSW Floor El. 133 Room, Area: 1M112, SSW

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

*Heaters mounted overhead have adequate clearance and will not interact with other equipment.*

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A

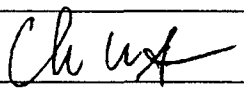
*A temporary coupon rack is in the area, but no intercation. A wet floor cone is in the area, but does not cause an adverse seismic condition.*

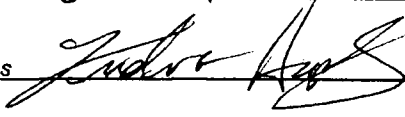
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

*There is a temporary corrosion coupon rack attached to plant equipment with a flexible line. This is located on a friction pad approximately 4.5' from any other plant equipment. The friction pad eliminates the concern of sliding during a seismic event. The coupon rack is less than 3' tall and will therefore not interact with other equipment if overturned.*

**Comments**

None

Evaluated by: Chase Wharton  Date: 9/24/2012

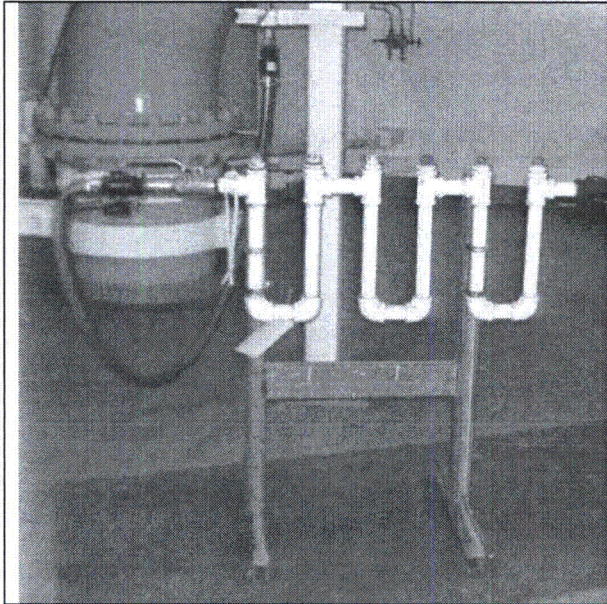
Fred Hopkins  9/24/2012

Status: Y  N  U

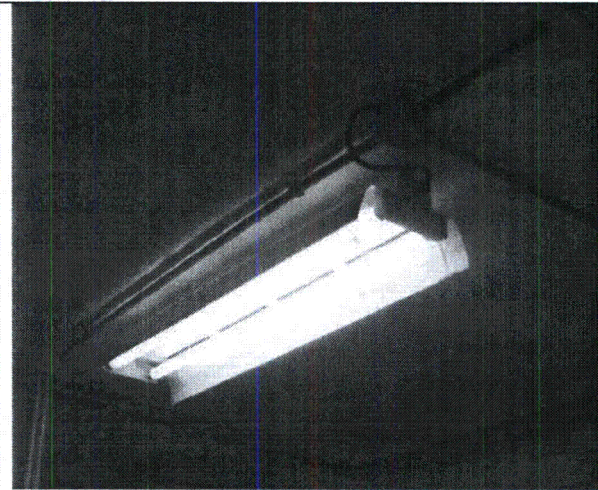
**Area Walk-By Checklist (AWC) AWC- 045**

Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 1M112, SSW

**Photographs**



**Note:** *Temporary Coupon Rack*



**Note:** *Lighting*

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 045**

Location: Bldg. SSW Floor El. 133 Room, Area: 1M112, SSW



**Note:** *Heater*

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 046**Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 2M110, SSW**SWEL Components: SWEL1- 077****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*Abandon conduit and tubings found in the room. There are no soft target equipments nearby, therefore these items pose no seismic concern. See photos.*
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 046**

Location: Bldg. SSW Floor El. 133 Room, Area: 2M110, SSW

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Fire extinguishers are supported to the wall using open hook. However, this condition doesn't pose a seismic concern; therefore acceptable.*

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak  Date: 9/24/2012

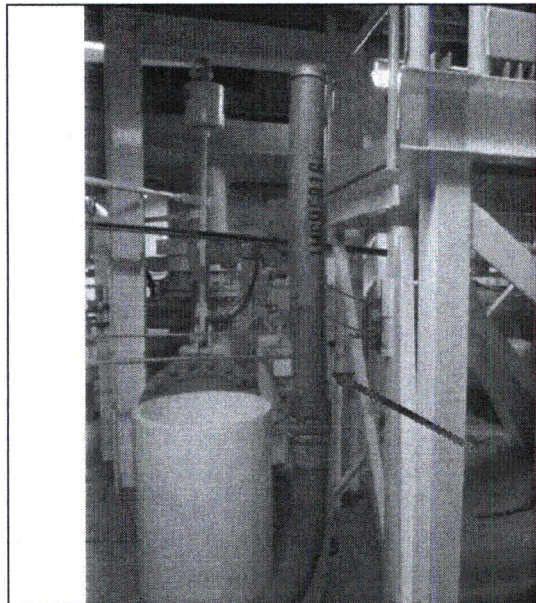
Tori Robinson  9/24/2012

Status: Y  N  U

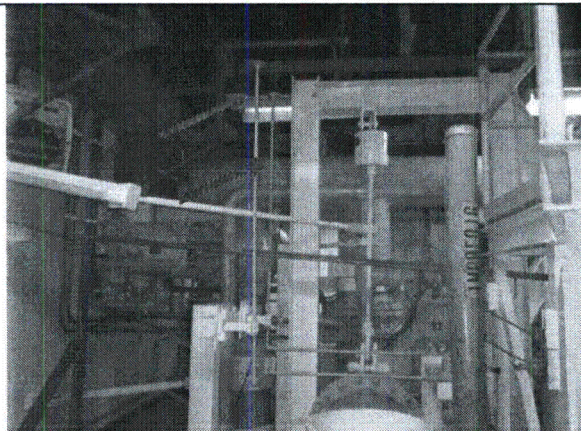
**Area Walk-By Checklist (AWC) AWC- 046**

Location: Bldg. SSW Floor El. 133 Room, Area<sup>1</sup> 2M110, SSW

**Photographs**



**Note:** *Abandon conduit*



**Note:** *Abandon tubing*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 047**Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A428**SWEL Components: SWEL2- 005, 007****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*All anchorage is coated.*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-047**

Location: Bldg. AB Floor El. 166 Room, Area: 1A428

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A   
*Area is a combustible exlution area.*

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

*Crack in penetratioin grout. Pen. # AP-58D. CR-GGN-2012-11083*

Evaluated by: Chase Wharton  Date: 9/26/2012

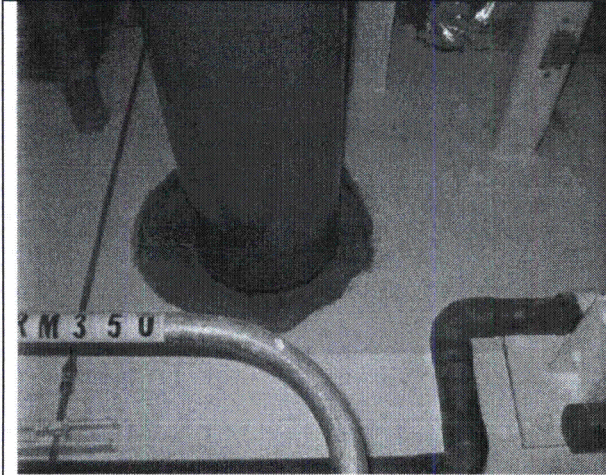
Fred Hopkins  9/26/2012

Status: Y  N  U

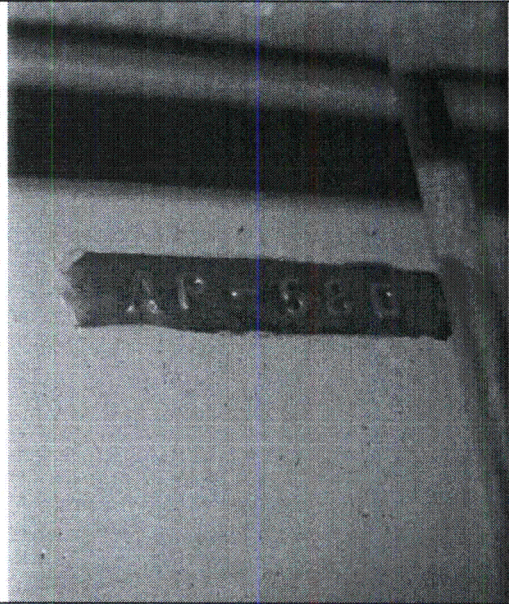
**Area Walk-By Checklist (AWC) AWC- 047**

Location: Bldg. AB Floor El. 166 Room, Area: 1A428

**Photographs**



**Note:**

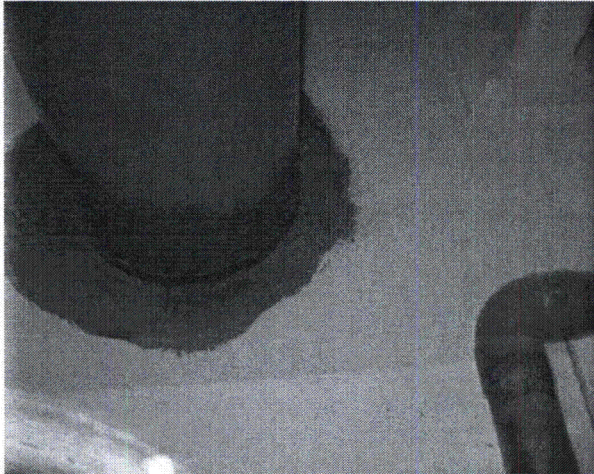


**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 047**

Location: Bldg. AB Floor El. 166 Room, Area: 1A428



**Note:** *Visible crack in penetration grout.*

**Note:**

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 048**

Location: Bldg. AB Floor El. 166 Room, Area<sup>1</sup> 1A432

**SWEL Components: SWEL2- 001, 008**

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

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

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 048**

Location: Bldg. AB Floor El. 166 Room, Area: 1A432

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

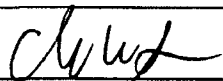
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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

**Comments**

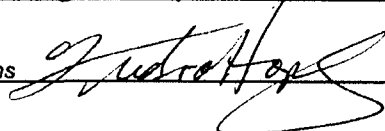
*Temporary scaffolding in area. Temporary RP sign post in area. Temporary ARM wires and temporary lighting in area.*

Evaluated by: Chase Wharton



Date: 10/10/2012

Fred Hopkins



10/10/2012

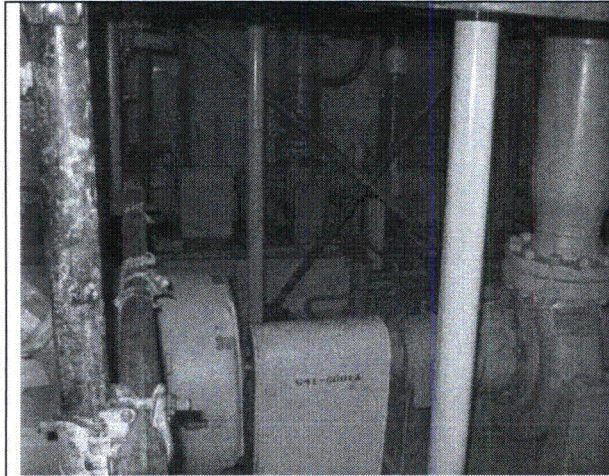


Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 048**

Location: Bldg. AB Floor El. 166 Room, Area: 1A432

**Photographs**



**Note:**

**Note:**

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 049**Location: Bldg. AB Floor El. 185 Room, Area<sup>1</sup> 1A527**SWEL Components: SWEL2- 002, 003, 004, 006****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y N U

**Area Walk-By Checklist (AWC) AWC- 049**

Location: Bldg. AB Floor El. 185 Room, Area: 1A527

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y N U N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y N U N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y N U N/A


*Temporary 280V/480V electrical panel on the cart, extension cord, RP monitoring device, drain hose, abandon flex conduit, etc. found around the area; however these items doesn't pose a seismic concern. See photos.*

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

**Comments**

*Liquid was observed on the floor; however no active leakage could be found. (CR 2012-11308 initiated WR# 00285928)*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/3/2012

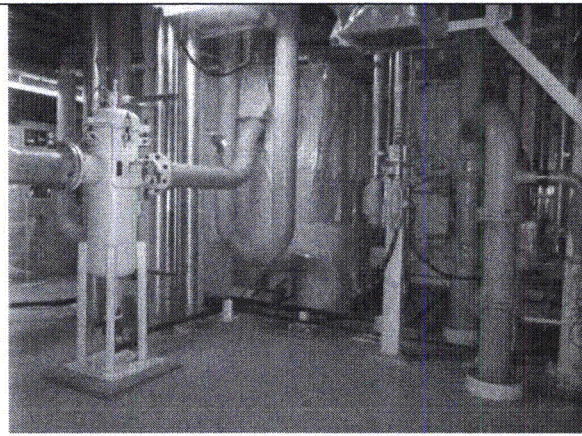
Tori Robinson  10/3/2012

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 049**

Location: Bldg. AB Floor El. 185 Room, Area<sup>1</sup> 1A527

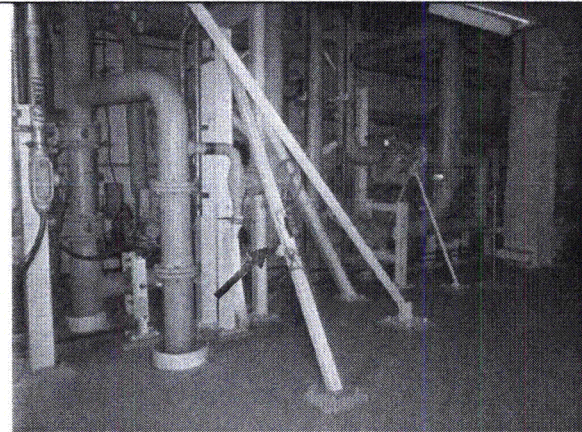
**Photographs**



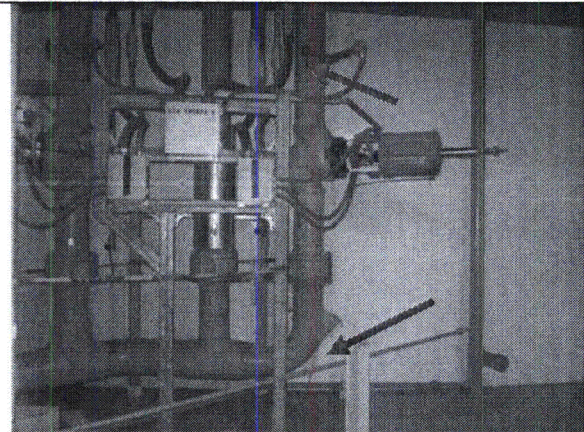
**Note:** *General area view*



**Note:** *Temporary 280V/480V electrical panel on the cart which is tied-off from structural steel, and extension cord*



**Note:** *RP monitoring device tied to the structural steel*



**Note:** *Temporary drain hose and abandon flex conduit*

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 050**Location: Bldg. AB Floor El. 191 Room, Area<sup>1</sup> 1A537**SWEL Components: SWEL2- 009****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- 
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

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<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 050**

Location: Bldg. AB Floor El. 191 Room, Area: 1A537

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Temporary extension cord on the floor; however it doesn't pose a seismic concern to the equipments nearby.*

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

**Comments**

*None*

Evaluated by: Kyong S. (Jason) Pak  Date: 10/3/2012

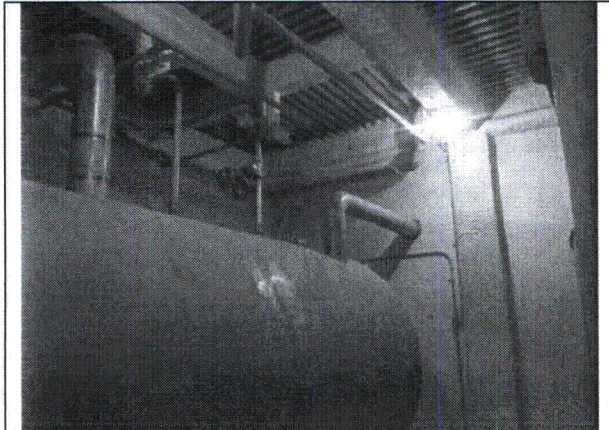
Tori Robinson  10/3/2012

Status: Y  N  U

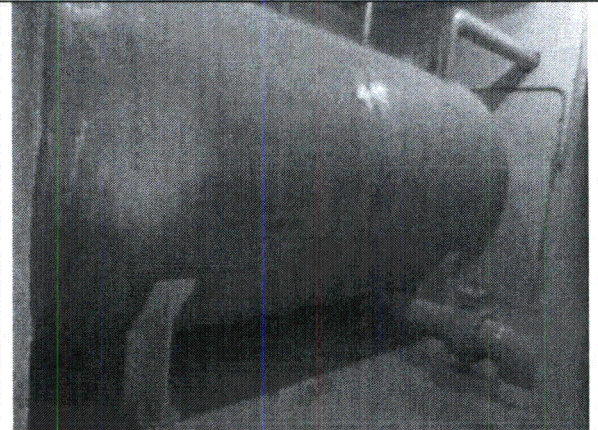
**Area Walk-By Checklist (AWC) AWC- 050**

Location: Bldg. AB Floor El. 191 Room, Area 1A537

**Photographs**



**Note:** *General view of the area*



**Note:** *General view of the area*

## **Attachment E**

### ***POTENTIALLY ADVERSE SEISMIC CONDITIONS***



CR #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION/CONCLUSION	RESOLUTION	STATUS
2012-11077	AWC-041 SWEL1-056	In the Div I Diesel Generator Room minor cracks were noticed in the concrete pedestal. There is a hairline crack running east to west along the pedestal. There is also hairline cracks running at the beginning of each plate attached to the pedestal. The cracks appear to be minor hair line cracks in the coating on the pedestal.	Condition entered directly into CAP	The observed condition does not create a seismic or structural integrity concern for the Div I Diesel or associated components. Based on review of the condition the crack does not appear to have originated from a stress concentration and per the originator does not have an adverse impact on the load bearing capability of the pedestal. Based on the visual inspection by the originator the cracks appear to be in the surface coating only. There was no visual indication of concrete to suggest cracking of the concrete structure. The Div I Diesel is determined to be operable.	Closed to CR-GGN-2012-11932 CA-03
2012-11080	AWC-041	In the Div I Diesel Generator Room pipe supports were noticed with degraded grout underneath the support. The supports are still attached to the pedestal and all anchors are still intact even with the missing grout.	Condition entered directly into CAP	Based on a review of CS03 6.1.1.5 the grout is capable of performing its design function. The anchors are completely covered and protected by grout. The grout is providing a uniform contact surface. This condition does not create a seismic concern impacting the div I diesel generator. The Div I diesel generator is determined to be operable.  WO# 328051 - REPAIR GROUT UNDER PIPE SUPPORTS	Closed (WO# 328051)
2012-11126	AWC-040	In the Div. 2 Diesel Generator Room minor indications were noticed in the coating on the concrete pedestal. There is a hairline indication running east to west along the pedestal. There is also hairline indications running at the beginning of each plate attached to the pedestal.	Condition entered directly into CAP	The observed condition does not create a seismic or structural integrity concern for the Div I Diesel or associated components. Based on review of the condition the crack does not appear to have originated from a stress concentration and per the originator does not have an adverse impact on the load bearing capability of the pedestal. Based on the visual inspection by the originator the cracks appear to be in the surface coating only. There was no visual indication of concrete to suggest cracking of the concrete structure. The Div II Diesel is determined to be operable.	Closed to CR-GGN-2012-0034 CA-67
2012-11128	AWC-040	In the Div. 2 Diesel Generator Room pipe supports were noticed with degraded grout underneath the support. The supports are still attached to the pedestal and all anchors are still intact even with the missing grout.	Condition entered directly into CAP	Based on a review of CS03 6.1.1.5 the grout is capable of performing its design function. The anchors are completely covered and protected by grout. The grout is providing a uniform contact surface. This condition does not create a seismic concern impacting the Division II Diesel Generator. The Division II Diesel Generator is determined to be OPERABLE for the condition described in this CR.  WO# 328052 REPAIR GROUT UNDER PIPE SUPPORTS	Closed (WO# 328052)
2012-11130	SWEL1-058 SWEL1-060 SWEL1-061	Several racks in Containment on elevation 135-0 in areas 1A311 and 1A313 are mounted by 2 inch stich welds approximately 9 to 12 inches apart. The welds are located at bolt holes. The Seismic Qualification states welds should be 2 inches ant every 6 inches.	Condition entered directly into CAP	The panels were evaluated using a conservative assumption that 2 inch welds on 12 inch centers was how the panels were installed. The evaluation shows that even under these conditions the panels still satisfy the seismic stress calculations. Therefore, the panels and the equipment installed within are OPERABLE for the condition described in this CR.	Closed to CR-GGN-2012-11932 CA-4

CR #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION CONCLUSION	RESOLUTION	STATUS
2012-11254	AWC-029	A screw was partially screwed in a plate in panel 1H13-P642. The screw is currently attached to the plate by approximately two threads. The plate attaches to the back of E31AT5 oscillator in the leak detection panel H13-P642 division 2.	Condition entered directly into CAP	Missing fastener on a joint supporting a non EQ cover plate for an instrument, switch, cable tray cover or other similar application, provided there are no more than two missing or loose fasteners AND no FME concern exists. The plate that the screw is supporting is only separating instruments and therefore fits the definition of, "cable tray cover or other similar application". As for the screw being an FME concern, the screw is securely wedged in the hole and cannot be move by hand. In addition, there is nothing directly below the screw that it would damage or hinder if it were to come loose.  WO# 328693 TIGHTEN SCREW ON PLATE ATTACHED INSIDE PANEL	Closed (WO# 328693)
2012-11255	SWEL1-084	A nut was missing off of the welded stud attached to the PGCC structural beam that bolts down the H13-694 panel in the Control Building on Elevation 166 in the control room. There are currently 7 out of the 8 bolts securing the panel to the beam.	Condition entered directly into CAP	The Operability evaluation attached to CA1 of this CR provides documentation that the structural integrity / Seismic qualification of the panel will remain intact under all conditions with with one stud missing. 1H13P694 and associated RPS components are determined to be operable.  WO# 329993 has been written to replace missing nut.	Closed (WO# 329993)
2012-11306	SWEL2-003	In the Auxiliary Building on elevation 195'-6" near Area 1A538, one nut is missing on Valve 1G41F045. The missing nut is located near the back side of the valve. Valve 1G41F045 has twelve 7/8" diameter studs on each face.	Condition entered directly into CAP	The nut that was missing on valve 1G41F045 was replaced in accordance with WO# 328692.	Closed (WO# 328692)
2012-11307	SWEL2-006	In the Auxiliary Building on elevation 185' in Area 1A527, Flow Transmitter 1G41N011 has one nut that is not tight. The loose fastener is one of 4 fasteners securing the flow transmitter to the tube steel support.	Condition entered directly into CAP	The nut was tightened by the I&C department therefore, No Degraded or Nonconforming Condition exists per EN-OP-104 Revision 6 Attachment 9.1 Table 1. Flow transmitter 1G41N011 only feeds a local gauge and a computer point for flow. This transmitter is not required by any TS/TRM. Actions taken under tool pouch.	Closed (actions taken)
2012-11334	AWC-038	In Containment on elevation 185' in Area 1A514 valve 1G36F030A has a reach rod that penetrates the wall. The plate on the wall does not have any Hilti bolts or visible welds, but the plate is snug and not loose on the wall. Also, the nut for the manual operator is missing for valve 1G36F030A.	Condition entered directly into CAP	This CR describes a condition of an SSC that is not within the scope of the Operability Determination Process.  WO# 329108 INSTALL HILTI BOLTS AT PLATE ON WALL FOR VALVE 1G36F030A	Closed (WO# 329108)
2012-11335	SWEL1-051 AWC-037	In Containment on elevation 185' in Area 1A512 minor indications were noticed in the coating on the concrete pedestal for 1E61C001B. The hairline indications run down the pedestal to the concrete floor. One indication on the pedestal seemed to be propagating toward the bolt hole. There are other hairline indications on the concrete floor that appear to be minor hairline indications in the coating.	Condition entered directly into CAP	Drywell Purge Compressor B is determined to be operable for this condition. The indications will not adversely affect the compressive load capabilities of the concrete.	Closed to CR-GGN-2012-11932 CA-4
2012-11455	SWEL1-088	In the Auxiliary Building on elevation 119' in Room 1A219 the mounting spring nut for Alternate Shut Down Panel, 1H22P296, is not mounted properly to the unistrut. The misaligned mounting nut is located on the top left when facing the panel. The spring nut is twisted and provides partial bearing but does not provide the manufacturer's requirement of contact with the unistrut. All other mounting bolts and nuts on the panel are mounted properly and will provide the anchors required for the panel.	Condition entered directly into CAP	Alternate Shutdown Panel, 1H22-P296, is required to be functional per 10CFR50, Append R. This panel also provides support functions for all of the items controlled in this panel which are required to OPERABLE per their respective Tech Spec or TRM as listed in the first operability version.  The Alternate Shutdown Panel repair Work has been completed under WO# 329358 by the FIN Team.	Closed (WO# 329358)

CR #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION/CONCLUSION	RESOLUTION	STATUS
2012-11456	SWEL1-082	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P632 Bay C, a welded stud was not long enough to extend out of the nut.	Condition entered directly into CAP	Per Engineering, the partial thread engagement on the weld stud is fully capable of providing the required load capacity needed to support the light weight of the termination block under all loading conditions including seismic. The termination block is supported by other bolts that have full thread engagement. The requirement of having full thread engagement on the nut is to provide the full capacity of a structural joint. This requirement is based on American Institute of Steel Construction and is common practice. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329372 - TIGHTEN NUT ON THE WELDED STUD	Closed (WO# 329372)
2012-11457	SWEL1-082	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P632 Bay B a lock washer is only partially compressed. The partially compressed lock washer is located 4th from the bottom on the left side of the panel.	Condition entered directly into CAP	Per Engineering, bolted connections use lock washers to prevent applying a torque on the connection. The spring washer prevents the connection from loosening or backing off when subjected to long term vibration. None of the panels in the control room are subject to long term vibration, and a seismic event is extremely short term (< 30 Seconds) and the bolted connection would not loosen in this short of a time span. The actual lock washer is partially engaged and will provide the bolted connection with the ability to not loosen in its current as-found condition. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329359 - TIGHTEN SCREW IN PANEL 1H13P632 BAY	Closed (WO# 329359)
2012-11458	SWEL1-080	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P691 Bay B a nut is missing on the L-bracket that mounts the wire support plate to the unistrut. The missing nut is located on the right side of the mounting plate at the top. Also, the lock washer (located 3rd from the bottom on the left side) is only partially compressed.	Condition entered directly into CAP	Per Engineering, bolted connections use lock washers to prevent applying a torque on the connection. The spring washer prevents the connection from loosening or backing off when subjected to long term vibration. None of the panels in the control room are subject to long term vibration, and a seismic event is extremely short term (< 30 Seconds) and the bolted connection would not loosen in this short of a time span. The actual lock washer is partially engaged and will provide the bolted connection with the ability to not loosen in its current as-found condition.  The partial thread engagement on the welded stud is fully capable of providing the required load capacity needed to support the light weight of the termination block under all loading conditions including seismic. The termination block is supported by other bolts that have full thread engagement. The requirement of having full thread engagement on the nut is to provide the full capacity of a structural joint. This requirement is based on American Institute of Steel Construction and is common practice. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329360 - REPLACE MISSING HARDWARE AND TIGHTEN LOOSE HARDWARE	Closed (WO# 329360)
2012-11459	SWEL1-080	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P691 Bay A the nut is loose on the mounting plate to the unistrut.	Condition entered directly into CAP	The nut in question in this condition report was tightened by the FIN team under WO 329361 after discovery of the condition. Therefore, the condition described in this condition report is screened as OPERABLE.	Closed (WO# 329361)

CR #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION/CONCLUSION	RESOLUTION	STATUS
2012-11461	SWEL1-079	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P669 Bay B the clamp for the flex conduit is missing hardware. The clamp missing hardware is located 2nd from the right on a unistrut in the bottom of the panel. Also, there is a welded stud that is not long enough to extended out of the nut.	Condition entered directly into CAP	Per Engineering, the partial thread engagement on the welded stud is fully capable of providing the required load capacity needed to support the light weight of the termination block under all loading conditions including seismic. The termination block is supported by other bolts that have full thread engagement. The requirement of having full thread engagement on the nut is to provide the full capacity of a structural joint. This requirement is based on American Institute of Steel Construction and is common practice.  The conduit clamp with the missing bolt for the flex conduit is only in place to route the conduit and keep it in place so that other work could be completed, if required. This clamp is not required to be installed, it is not needed for seismic loading or for Seismic II/I concerns, nor is it needed to maintain the seismic qualification of the 1H13P669 panel. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329362 - REPLACE HARDWARE ON CLAMP FOR FLEX CONDUIT	Closed (WO# 329362)
2012-11462	SWEL1-091	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P871 Bay E the mounting plate supporting 1M71N606A and 1M71N616A is missing one screw out of four total. The missing screw is located on the top right corner of the mounting plate.	Condition entered directly into CAP	The Work to replace the screw has been completed under WO 329363 by the FIN Team.	Closed (WO# 329363)
2012-11463	SWEL1-091	While performing seismic walkdowns for Fukushima, in the Upper Control Room on elevation 189' in Room OC703 in Panel H13P871 Bay D two pieces of flex conduit are located in one clamp that is missing the bolt and nut that clamps the two straps together. This condition will not adversely affect the seismic qualification of the panel or any of the mounted components in the panel.	Condition entered directly into CAP	Per Engineering, the conduit clamp with the missing bolt for the flex conduit is only in place to route the conduit and keep it in place so that other work could be completed, if required. This clamp is not required to be installed, it is not needed for seismic loading or for Seismic II/I concerns, nor is it needed to maintain the seismic qualification of the 1H13P871 panel. This conduit clamp has been installed to ensure that the flexible conduits do not interfere with other work that must be performed in the panel. The other flexible conduit that is near the first conduit is tie-wrapped to other flexible conduits thus providing insurance that it will not interfere with other future work. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329365 - REPLACE MISSING HARDWARE FOR FLEX CONDUIT AND TY-WRAP AS REQ	Closed (WO# 329365)
2012-11464	SWEL1-091	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P871 Bay A the mounting plate for WAKI-YX-P871 is missing one screw.	Condition entered directly into CAP	anel H13P871 contains Div I ESF logic described in section 3.3 of Tech Specs. The described has been corrected under WO# 329366. All associated equipment is determined to be operable.  WO# 329366 REPLACE MISSING HARDWARE ON MOUNTING PLATE.	Closed (WO# 329366)

CR #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION/CONCLUSION	RESOLUTION	STATUS
2012-11465	SWEL1-079	In the Upper Control Room on elevation 189' in Room OC703 in Panel H13P669 Bays A and B the mounting plate (located in the center of the panel about eye level) is missing 4 out of 8 screws. .	Condition entered directly into CAP	Per Engineering, the mounting plate that is missing 4 screws out of the eight total screw locations, supports cable connection points. The components mounted on the plate are not seismically qualified. The mounting plate and cable connections must meet Appendix B Seismic II/I concerns so that its failure could not adversely affect any other safety-related components in the 1H13P669 panel. Based on the light weight and the configuration of two screws on either side of the mounting plate, the 4 existing screws are fully capable of maintaining the structural integrity of the mounting plate and will ensure that the other safety-related components in the 1H13P669 panel will continue to perform their safety-related design function. Therefore, the condition described in this CR is screened OPERABLE.  WO# 329367 - REPLACE MISSING SCREWS ON THE MOUNTING PLATES	Closed (WO# 329367)
2012-11466	AWC-013	In the Auxiliary Building on elevation 133'-0 in Room 1A208, an approximate three inch diameter conduit (1AARNH19) is not supported from the top unistrut. The conduit is open ended and cantilever approximately 6 feet from the last support.	Condition entered directly into CAP	The described condition has been corrected under WO# 329369. All associated equipment is determined to be operable	Closed (WO# 329369)
2012-11311	SWEL1-092	While performing seismic walk downs for the Fukushima effort in the Auxiliary Building Elevation 93 there is a missing one of two required nuts on the bottom support bracket of 1E12B002B. The studs should have double nuts on them in accordance with drawing C1365D. One nut is more than capable of providing the structural integrity for the bolted joint. The second nut is only use to ensure that the first nut does back off. WR # 285936 has been written to correct this issue	Condition entered directly into CAP	From Engineering input, the Heat Exchanger supports are seismically designed and evaluated based on the single nut providing the required tension on the bolt. The second nut does not provide any bolt tension, it is only required by a site specific drawing to prevent the first nut from backing off over time. Currently the first nut is providing the tension required for the support bracket to be considered seismically designed. The Heat Exchanger with the one missing jam nut is fully capable of performing its safety-related function.	Closed (10-09-2012 CRG closed remaining actions to WO# 328676)
2012-11312	SWEL1-092	In the Auxiliary Building Elevation 108 the head of one of twelve bolts on the lower west bracket is not fully in contact with the support (i.e. there is a small gap between the support bracket and the head of the bolt.) The bolt is required to be flush with the bracket supporting heat exchanger 1E12B002B.	Condition entered directly into CAP	The Heat exchanger is held in place by a total of 24 -3inch bolts. From the CR, the gap will only affect the bolt tension. Shear and compressing capabilities are maintained based on the configuration of the mounting bracket. This slight loss of tension capability will not adversely affect the capability of the heat exchanger support configuration. This condition does not impact the ability of the B RHR Heat Exchanger or system to perform its designed safety function. Therefore the RHR system and Heat Exchanger are OPERABLE.  WO# 328677 TIGHTEN BOLT ON THE SUPPORT BRACKET ON ELEVATION 108	Closed (WO# 328677)
2012-11318	AWC-005	In the Auxiliary Building Elevation 108 there is a angle that is attached to the wall on the north side of RHR B Heat exchanger 1E12B001B and 1E12B002B that is supporting the grating on elevation 119' that has nuts attached to anchor bolts that do not have the entire nut thread engagement.	Condition entered directly into CAP	The condition does not impact the operation of the B RHR heat exchanger or System or prevent either from performing its designed safety functions. Therefore the B RHR heat exchanger and B RHR system remain OPERABLE.  WO# 328680 TIGHTEN NUTS ON ANCHOR BOLTS, PLAN, 2A	Closed (WO# 328680)
2012-11343	AWC-004	In the RHR B Pump room a bent support plate was noticed. The support plate is bolted together cantilevered from the wall. The plate is bent across the top. The pipe support is almost floor level with the stairway and the pipe support number is Q1E12G010R16 reference drawing HL1348B.	Condition entered directly into CAP	The plate in question appears to be a legacy issue from initial plant construction. There is no evidence of movement of the plate as witnessed by the integrity of the protective coating present. This plate is a portion of a pipe support joint supporting a 4 inch pipe. There is no impact to either the B RHR system as a whole or individual RHR components or primary containment.	Closed (10-23-2012 CRG approved closing remaining actions to WO# 329298)

# Attachment F

*Licensing Basis Evaluation Forms*

(NOT USED)

## **Attachment G**

*PEER REVIEW CHECKLISTS FOR SWEL*

## Peer Review Checklist for SWEL

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### Instructions for Completing Checklist

This peer review checklist may be used to document the review of the Seismic Walkdown Equipment List (SWEL) in accordance with EPRI 1025286, Section 6: Peer Review. The space below each question in this checklist should be used to describe any findings identified during the peer review process and how the SWEL may have changed to address those findings. Additional space is provided at the end of this checklist for documenting other comments.

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1. Were the five safety functions adequately represented in the SWEL 1 selection? Y  N   
*Based on review of the SWELL and GGNS System knowledge, it was clear that a good cross section of the 5 safety functions were included. Many of the selected components perform more than one of the 5 safety functions.*
- 

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

- a. Various types of systems? Y  N   
*Systems represented are, ECCS, diesels, AC/DC power, drywell purge, Main Steam, Service Water, Component Cooling Water, Reactor Recirc, Control Room AC, Ventilation, Emergency AC.*
- b. Major new and replacement equipment? Y  N   
*Significant replaced equipment are the SSW A Pump and motor, the HPCS SSW Pump, and valve E12F003A.*
- c. Various types of equipment? Y  N   
*SRVs, MSIVs, globe valves, gate valves, butterfly valves, check valves, solenoid valves, various type transmitters, various type switches, trip units, MOVs, APRMs, heat exchangers, pumps, motors, temperature elements, compressors, instrument racks and panels, battery chargers, inverters, airlocks, recorders, fans, room coolers, LCCs, dampers, and diesel generators.*



**Peer Review Checklist for SWEL**

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d. Various environments? Y  N   
Nearly all GGNS seismically qualified equipment is located indoors. There are several examples of equipment that operates in higher normal operating radiation environments and high temperature environments.

e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Y  N   
*Not required for GGNS*

f. Were risk insights considered in the development of SWEL 1? Y  N   
*The IPEEE base list was prepared including high risk equipment.*

---

3. For SWEL 2:

a. Were spent fuel pool related items considered, and if applicable included in SWEL 2? Y  N   
*SWEL 2 consists of spent fuel pool related components.*

b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2? Y  N   
*Section 6.2.3 of the Seismic Walkdown report provides justification for the process used to determine SWEL 2. In addition, there were no components that could contribute to rapid SFP draindown that were identified.*

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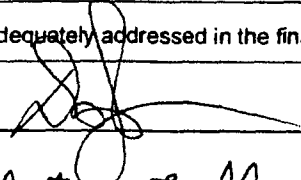
**Peer Review Checklist for SWEL**

4. Provide any other comments (Attachment 9.11) related to the peer review of the SWELs.

NA

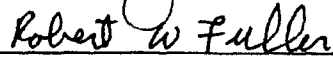
5. Have all peer review comments been adequately addressed in the final SWEL? Y  N

Peer Reviewer #1: Doug Jones



Date: 11/15/12


Peer Reviewer #2: Robert Fuller





Date: 11-15-12


# **Attachment H**


## ***PEER REVIEW COMMENT FORM***

		Seismic Walkdown Submittal Report Review Comments and Resolutions Form		
Engineering Report Number	GGNS-CS-12-00002	Rev. 0	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:		
Comment Number	Section/Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials
1	AWC-017, Question 4	Need to discuss whether or not the lighting above the load center could potentially fall and impact the load center. It appears this may be possible. If so, is the light sufficient to cause adverse results? Need to justify or needs to be identified as degraded.	Additional write-up added to justify the condition.	SMM 10/16/12
2	SWEL1-003, Question 8	Is there a potential for the light bulbs to fall out and impact the MCC during a seismic event? If so this should be discussed.	Additional write-up added to justify the condition.	SMM 10/16/12
3	AWC-032, Question 4	Need to add clarification as to why the swivel mounts were judged to be acceptable.	The mention of swivel mount is not required and was therefore removed.	SMM 10/16/12
4	SWEL1-065, Question 3	Need to state the corrosion is judged to have negligible affects on the welds structural ability.	Incorporated.	SMM 10/16/12
5	SWEL1-065 Question 4	Answering N/A for this question would also be acceptable. No change is required.	Answer changed to N/A	SMM 10/16/12
6	SWEL1-064 Question 1	According to the procedure description of anchorage belongs in section 2.	Incorporated.	SMM 10/16/12
7	AWC-050 Photos	Recommend adding an additional photo capturing the lower part of the Room (i.e. photo 002 from SWC)	Incorporated, additional photo added.	SMM 10/16/12


		Seismic Walkdown Submittal Report Review Comments and Resolutions Form			
Engineering Report Number	GGNS-CS-12-00002	Rev.	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic	
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:			
Comment Number	Section/Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials	
8	SWEL1-056 Question 2	This Section needs to be updated.	Incorporated.	SMM 10/16/12	
9	SWEL1-056 Question 3	Need to quantify.	Incorporated.	SMM 10/16/12	
10	SWEL1-056 Comments	Was a condition report written? Is there an existing condition report for this issue? Something should be stated in regards to CAP here.	CR numbers added	SMM 10/16/12	
11	SWEL1-049 Photos	What is on the ground at the end of the cat walk? It appears to be the controls for the overhead hoist. Can this item fall and impact the diesel below?	Item added to the AWC-042, and justification write-up added why it is no concern.	SMM 10/16/12	
12	AWC-043 Question 2	Suggest rewording this section to provide justification used in applying engineering judgment	Section reworded as suggested.	SMM 10/16/12	
13	AWC-043 Question 4	Attached photos include lighting fixtures which could potentially impact equipment. Discussion needs to be added to discuss why this is not an adverse condition.	As discussed, light fixture concern will be added to the main body of the report as general observation that requires an action.	SMM 10/16/12	
14	SWEL1-007 Question 2	This is a general comment. The way the procedure requires documenting the anchorage configuration leads the reader to wonder whether or not the anchorage is bent, broke, etc. Recommend adding a sentence stating whether or not bent, broken, etc. parts are present.	As suggested, sentence added to document whether or not bent, broken, missing, or loose hardware has been observed during walkdown. This comment has been incorporated to all SWCs.	SMM 10/16/12	

		Seismic Walkdown Submittal Report Review Comments and Resolutions Form			
Engineering Report Number	GGNS-CS-12-00002	Rev.	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic	
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:			
Comment Number	Section/Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials	
15	AWC-045 Question 4	Need to explain why the light doesn't affect the conduit.	Incorporated.	SMM 10/16/12	
16	AWC-045 Question 6	This is a bit confusing without pictures of the heater in the report. Pictures should be added or describe the location of the heaters relative to other equipment.	Pictures added	SMM 10/16/12	
17	AWC-040 Question 2	The cracking either was present near the bolt holes or not. Need to be definitive. It may be worth locating the concrete drawings for this area. It is not uncommon for the DG to be on a foundation separate from the structure. This would make the visible cracks negligible.	Section reworded to more definitive answer.	SMM 10/16/12	
18	AWC-040 Question 3	A licensing basis evaluation (or condition report) needs to be conducted for this item. If has already been entered into the CAP process then simply add the CR number.	Based on judgment, this condition has been accepted by SWE.	SMM 10/16/12	
29	AWC-029 Question 1	Need to identify the difference between mounting and anchorage.	Additional write-up added as suggested.	SMM 10/16/12	
Reviewed By:		Shawn McFarland	Date:	11/12/12	Resolved By: Jason Pak / Chase Wharton
Site/Department:		Ph.	Date:	11/12/12	

		<b>Seismic Walkdown Submittal Report Review Comments and Resolutions Form</b>				
		Engineering Report Number GGNS-CS-12-00002	Rev. 0	Title Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic		
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:				
Comment Number	Section/Page No.	Review Comment	Response/Resolution		Reviewer's Accept Initials	
1	SWC/AWC	None	N/A		N/A	
Reviewed By:		Doug Jones	Date	11/12/12	Resolved By:	Jason Pak / Chase Wharton
Site/Department:			Ph.		Date:	11/12/12

		Seismic Walkdown Submittal Report Review Comments and Resolutions Form			
Engineering Report Number	GGNS-CS-12-00002	Rev. 0	Title	Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic	
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:			
Comment Number	Section/Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials	
1	SWEL	Remove multiple NUS switches off of the SWEL 1 list since the designs on all the NUS switches are typical.	Incorporated		
2	SWEL	Replace equipment attached to the Diesel and add the entire Diesel to SWEL 1 list.	Incorporated		
3	SWEL	Revise safety significant functions on the SWEL 1 development list for equipment	Incorporated		
Reviewed By:		Doug Jones	Date	11/13/12	Resolved By: Fred Hopkins
Site/Department:		Ph.	Date:	11/13/12	



		<b>Seismic Walkdown Submittal Report Review Comments and Resolutions Form</b>				
		Engineering Report Number GGNS-CS-12-00002	Rev. 0	Title Grand Gulf Nuclear Station Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force recommendation 2.3: Seismic		
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Special Notes or Instructions:			
Comment Number	Section/Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials		
1	SWEL	Revise safety significant functions on the SWEL 1 development list for equipment.	Done			
Reviewed By:		Robert Fuller	Date	11/13/12	Resolved By:	Fred Hopkins
Site/Department:		Ph.	Date:	11/13/12		

## **Attachment I**

***SEISMIC WALKDOWN ENGINEER TRAINING CERTIFICATES***

**Seismic Walkdown Engineers**

Chase Wharton

Jason Pak

Fredrick Hopkins

Tori Robinson



*Excellence—Every project. Every day.*

## Certificate of Completion

is hereby granted to

# Chase Wharton

for successful completion of

**TRAINING ON NEAR TERM TASK FORCE  
RECOMMENDATION 2.3  
PLANT SEISMIC WALKDOWNS**

Awarded: 7/11/2012 in Kennesaw, GA

A handwritten signature in black ink, appearing to read "Kevin Bessell", written over a horizontal line.

Kevin Bessell  
Certified Seismic Walkdown Engineer  
Palo Alto, CA – 6/13/2012

A handwritten signature in black ink, appearing to read "Kenneth Whitmore", written over a horizontal line.

Kenneth Whitmore  
Certified Seismic Walkdown Engineer  
Alexandria, VA – 6/20/2012

**ENERCON**

*Excellence—Every project. Every day.*

## Certificate of Completion

is hereby granted to

# Kyong S. (Jason) Pak

for successful completion of:

**TRAINING ON NEAR TERM TASK FORCE  
RECOMMENDATION 2.3  
PLANT SEISMIC WALKDOWNS**

Awarded: 7/11/2012 in Kennesaw, GA



Kevin Bessell  
Certified Seismic Walkdown Engineer  
Palo Alto, CA—6/13/2012



Kenneth Whitmore  
Certified Seismic Walkdown Engineer  
Alexandria, VA—6/20/2012



# *Certificate of Completion*

## **Fredrick Hopkins**

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

July 11, 2012

Date

A handwritten signature in black ink, reading "R.P. Kasavara".

Robert K. Kasavara  
EPRI Manager,  
Structural Reliability & Integrity



# *Certificate of Completion*

## **Tori Robinson**

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

July 11, 2012

Date

A handwritten signature in black ink, reading "R.P. Kassawara", is positioned above the printed name and title.

Robert K. Kassawara  
EPRI Manager,  
Structural Reliability & Integrity

**Seismic Walkdown Peer Reviewers**

Shawn McFarland





*Certificate of Completion*

**Shawn McFarland**

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

July 27, 2012  
Date

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

**EPRI-Qualified SWE Trainers**

Kevin Bessell

Ken Whitmore



# *Certificate of Completion*

## **Kevin Bessell**

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

June 13, 2012

Date

A handwritten signature in black ink, reading "R.P. Kassawara", is positioned above the printed name and title.

Robert K. Kassawara  
EPRI Manager,  
Structural Reliability & Integrity



*Certificate of Completion*

**Kenneth Whitmore**

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

June 21, 2012

Date

*R.P. Kasawara*

Robert K. Kasawara  
EPRI Manager,  
Structural Reliability & Integrity

**ATTACHMENT 2**

**GNRO-2012/00141**

**LIST OF REGULATORY COMMITMENTS**