

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 7

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-010Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____SWEL Components: SWEL1-030, 031**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

Panel (PID 08219) adjacent to the door: Unistrut legs corroded and broken at the base (see attach photos). The toe plate at the floor penetration between the Unistrut legs is loose and is not protecting the opening (see attach photo).

Service Water Pumps Annubars has rotted out at the base. The panel lacks of lateral restraints and is free to displace laterally.

Piping grout penetration protection was found cracked and chipped at various locations allowing water seepage (see photos).

Outer section of the grout, external o the base plate, for SWP 34 is cracked and missing. This does not affect the integrity of the support of the pump.

The above conditions are addressed by CR-IP3-2012-03166.

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

See above.

¹ 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.

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Status: Y N U Area Walk-By Checklist (AWC) AWC-010Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____SWEL Components: SWEL1-030, 031

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

Floor grating behind the electrical panels is not fixed to the structural steel and could displace laterally. In addition, this grating also serves as a support for conduits at the level below. Displacement of the grating would affect the support for the conduits. This condition is addressed by CR-IP3-2012-03166.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed a phone and a tool box resting on the web of a beam wall. The phone and the tool box are restrained by the two beam flanges. This is judged acceptable.

Observed a loose scaffold pole (on the floor) beneath a wall beam. During a seismic event the pole may act as a missile and strike nearby equipment. This is addressed by CR-IP3-2012-03166.

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Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

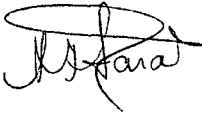

SWEL Components: SWEL1-030, 031

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

Ceiling of the area consists of grating which, if not attached to the support steel could fall and impact the equipment. It was determined that the grating is adequately supported and would not be displaced by a seismic event.

Electric Heat Trace Cabinet 31 has abraded cables at the top of the cabinet. The back of the cabinet is mildly corroded at the back/bottom. A box of bulbs is loose on the inside of the cabinet. An unsecured tag is on a shelf in the cabinet. A brown spot on the back of the cabinet may be the result of a burning effect due to high temperature. Electrical needs to investigate. The cabinet is addressed by CR-IP3-2012-03166.

Comments (Additional pages may be added as necessary)

Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/12/2012</u>
	
<u>Maggie Farah</u>	<u>10/12/2012</u>
	
<u>Kai Lo</u>	<u>10/12/2012</u>

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Status: Y N U

Area Walk-By Checklist (AWC) AWC-010

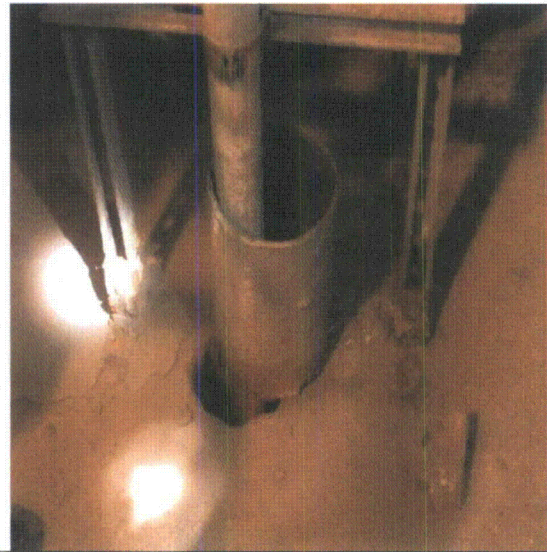
Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-030, 031

Photographs



Note: Corroded and broken Unistrut near door.



Note: Corroded and broken Unistrut near door and a loose pipe protection cover between the Unistrut legs

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AREA WALK-BY CHECKLIST

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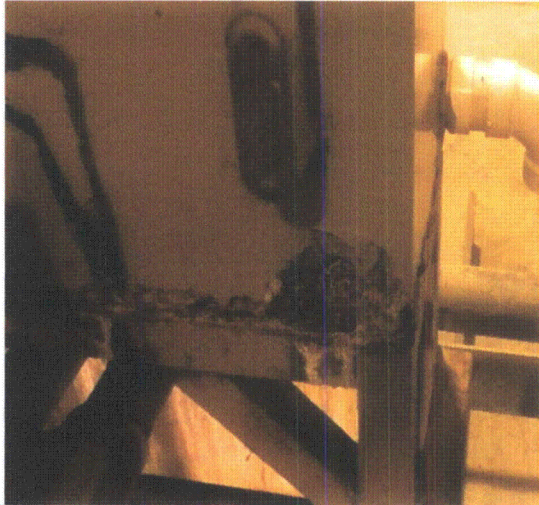
IP3

Status: Y N U

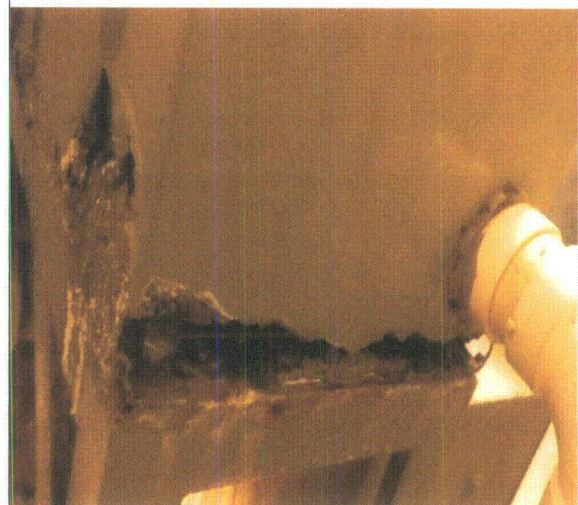
Area Walk-By Checklist (AWC) AWC-010

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-030, 031



Note: Service Water Pumps Annubars rotted at the base.



Note: Service Water Pumps Annubars rotted at the base.

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Status: Y N U

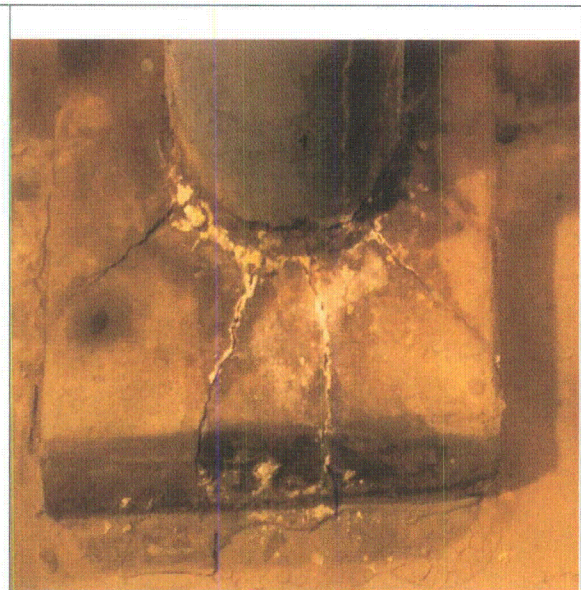
Area Walk-By Checklist (AWC) AWC-010

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-030, 031



Note: Cracked grout penetration protection



Note: Cracked grout penetration protection

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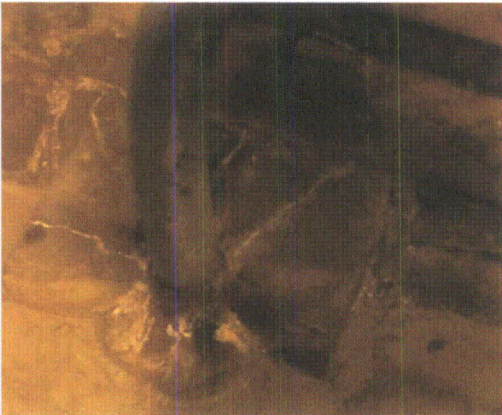
IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-010

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-030, 031

	
<p>Note: Cracked and chipped grout penetration protection</p>	<p>Note: Cracked and chipped grout penetration protection</p>

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IP3

Status: Y N U **Area Walk-By Checklist (AWC)** AWC-011Location: Bldg. YD Floor El. 80'-0" Room, Area¹ _____**SWEL Components:** SWEL1-094**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Observed mild rusting on anchorage for conduit around RWST-31. This is insignificant and judged to be acceptable.

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

Since the refuel water storage tank is in the yard. The above question does not apply.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

¹ 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.

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IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-011Location: Bldg. YD Floor El. 80'-0" Room, Area¹ _____SWEL Components: SWEL1-094

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed a loose chain and a Unistrut on top of the RWST-31 foundation (see attached photos).

Observed a rock resting on the RWST-31 stiffener ring (see attached photo).

Multiple piping insulation connections have been dislodged and held together by tape (see attached photos).

The above is addressed by CR-IP3-2012-03213.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

EN-DC-168 REV 0

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

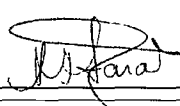
Area Walk-By Checklist (AWC) AWC-011

Location: Bldg. YD Floor El. 80'-0" Room, Area¹ _____

SWEL Components: SWEL1-094

Comments (Additional pages may be added as necessary)

Evaluated by: Paul Huebsch  Date: 10/12/2012

Maggie Farah  Date: 10/12/2012

Kai Lo  Date: 10/12/2012

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AREA WALK-BY CHECKLIST

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Status: Y N U

Area Walk-By Checklist (AWC) AWC-011

Location: Bldg. YD Floor El. 80'-0" Room, Area¹ _____

SWEL Components: SWEL1-094

Photographs



Note: Loose chain on top of RWST-31 foundation.



Note: Loose Unistrut on top of RWST-31 foundation.



Note: Rock resting on the tank ring.



Note: Piping insulation connection held with tape.

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-011

Location: Bldg. YD Floor El. 80'-0" Room, Area¹ _____

SWEL Components: SWEL1-094

	
<p>Note: <i>Piping insulation connection held with tape.</i></p>	<p>Note:</p>

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-012Location: Bldg. AFB Floor El. 18'-6" Room, Area¹ _____SWEL Components: SWEL1-040, 022, 023, 086, 005, 081

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

A pipe support immediately adjacent to Appendix R cabinet ERB-47-ABFP that is attached to the ceiling has a base plate with six holes but only four bolts are installed (see attached photo). CR-IP3-2012-03580 was written to evaluate this condition.

LB-17 evaluates this condition.

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

Fluorescent bulb adjacent to 32 ABFP needs to be secured to light fixture. During a seismic event the bulb may become loose and strike nearby equipment. This is documented in CR-IP3-2012-03462.

¹ 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.

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-012Location: Bldg. AFB Floor El. 18'-6" Room, Area¹ _____SWEL Components: SWEL1-040, 022, 023, 086, 005, 081

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

Branch risers from the main fire water line are threaded pipe and pass in close proximity (estimate 1" +/-) to large conduit. The conduit is well supported and the fire water line would have to move axially to cause an impact. The vertical rise of the pipe is very short so it is judged that the impact will not occur. See photos.

The sprinkler heads are at one location also in close proximity (estimate less than one inch) of adjacent conduit and could interact with the adjacent conduit in a seismic event. See photo.

LB-18 was generated to evaluate this condition.

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

The area is free of potentially adverse seismic interactions which could cause a fire in the 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

Scaffolding is in the area. However the green tag indicates that evaluation by Engineering has been performed.

The work area has a bucket on the floor which is not restrained and a tool box which is not secured. This is documented in CR-IP3-2012-03462.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

EN-DC-168 REV 0

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-012

Location: Bldg. AFB Floor El. 18'-6" Room, Area¹ _____

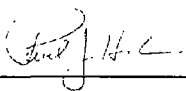
SWEL Components: SWEL1-040, 022, 023, 086, 005, 081

Comments (Additional pages may be added as necessary)

References:

LB-17

LB-18

Evaluated by: Paul Huebsch  Date: 10/12/2012

Maggie Farah  10/12/2012

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IP3

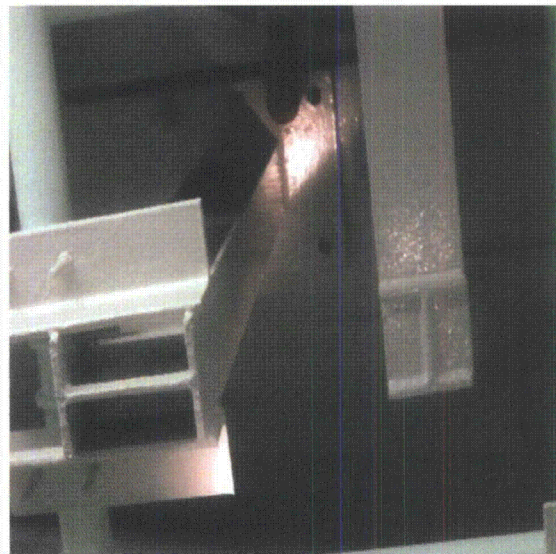
Status: Y N U

Area Walk-By Checklist (AWC) AWC-012

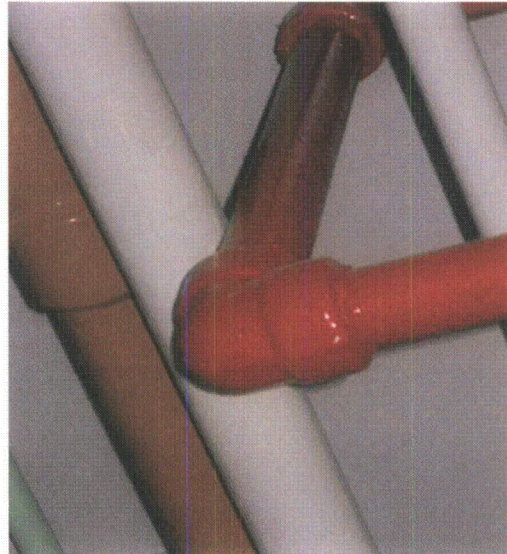
Location: Bldg. AFB Floor El. 18'-6" Room, Area¹ _____

SWEL Components: SWEL1-040, 022, 023, 086, 005, 081

Photographs



Note: Pipe support with only 4 bolts installed and 2 empty bolt holes.



Note: Fire water line in close proximity to a conduit.

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

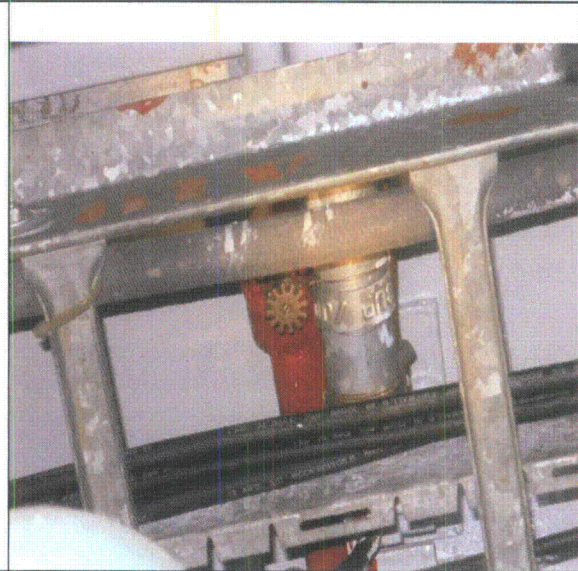
Area Walk-By Checklist (AWC) AWC-012

Location: Bldg. AFB Floor El. 18'-6" Room, Area¹ _____

SWEL Components: SWEL1-040, 022, 023, 086, 005, 081



Note: Fire water line in close proximity to a conduit.



Note: Sprinkler head in close proximity to adjacent conduit.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

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IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-013Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____SWEL Components: SWEL1-048, 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

Grout at 38 Chemical Feed Pump is chipped off exposing one anchor bolt under the base plate. OK by judgment but should be repaired. CR-IP3-2012-03627 is written to address this problem.

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

Yes, equipment anchorages are free of significant degraded conditions.

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

The 1" chemical feed piping around Door 218 has 18 feet of unsupported span length. See attached photo. CR IP3-2012-03627 was written to address this condition. The pipe is a non-safety related pipe. If the pipe were to collapse, it would hang at the top of the monorail. The pipe is on top of a door and there is no equipment near the door.

Chemical feed line pipe insulation at CF-44-2 is in contact with the support frame and heater. This is not considered a problem since the insulation around the pipe has a substantially greater diameter than the encased pipe and the insulation would be expected to flex and relieve any force that would be exerted on the pipe.

Insulation at CF-133 and Cf-44-4 is missing.

¹ 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.

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AREA WALK-BY CHECKLIST

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IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-013Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____SWEL Components: SWEL1-048, 035

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

Yes, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, the area is free of potentially adverse seismic interactions associated with housekeeping practices.

A pair of used gloves was found next to the 33 Chemical Feed Tank. See photo.

Unsecured stool found stored next to nitrogen tank. Not judged a serious concern because of the light weight of the stool but should be addressed as a matter of good seismic housekeeping. CR IP3-2012-03627 was written to address this condition.

Fluorescent bulbs in the area need to be restrained.

EN-DC-168 REV 0

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

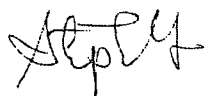
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

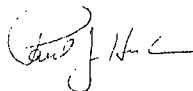
Evaluated by:

Stephen Yuan



Date: 10/16/2012

Paul Huebsch



10/16/2012

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IP3

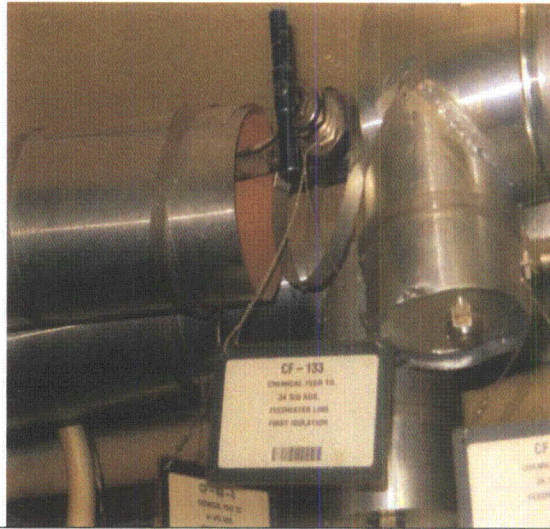
Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

Photographs



Note: *Missing insulation*



Note: *Used gloves on floor.*

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AREA WALK-BY CHECKLIST
IP3

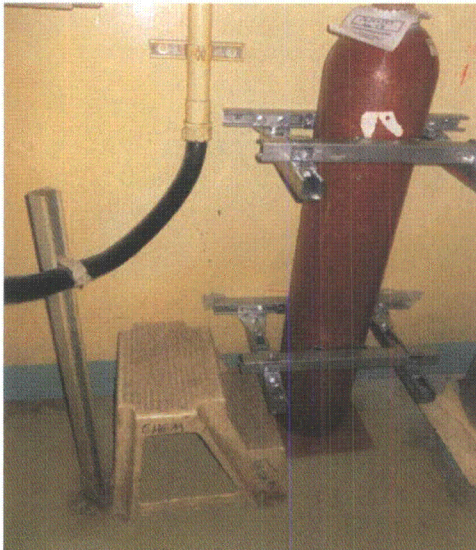

Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

Photographs

	
<p>Note: Unsecured stool next to nitrogen tank.</p>	<p>Note: Missing grout at anchor bolt at 38 Chemical Feed Pump</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

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IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

Photographs



Note: Pipe insulation interference with heater.



Note: Pipe insulation with heater.

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IP3

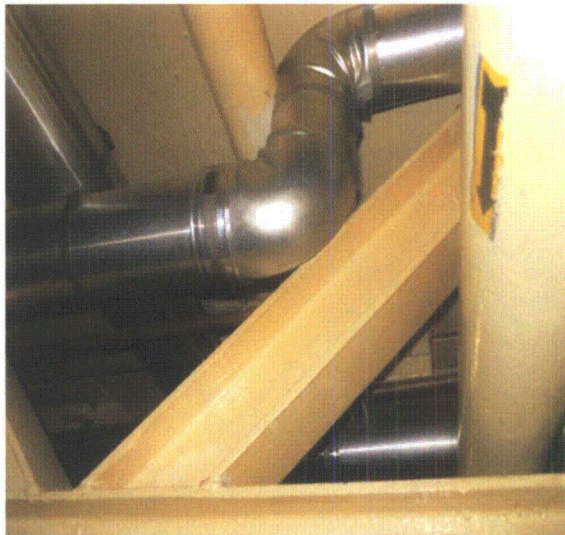
Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

Photographs



Note: Pipe insulation interference with structural steel.



Note: Air line at Door 218

ATTACHMENT 9.7

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IP3


Status: Y N U

Area Walk-By Checklist (AWC) AWC-013

Location: Bldg. AFB Floor El. 32'-6" Room, Area¹ _____

SWEL Components: SWEL1-048, 035

Photograph

	
<p>Note: <i>Missing insulation at valve.</i></p>	<p>Note:</p>

ATTACHMENT 9.7**AREA WALK-BY CHECKLIST**

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-014Location: Bldg. AFB Floor El. 43'-0" Room, Area¹ _____SWEL Components: SWEL1-034, 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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

The horizontal Unistrut support next to column H8/19.5 missing a U-bolt connection to the vertical run of conduit. This condition is addressed by CR-IP3-2012-03547. The conduit span is estimated to be 16 feet between the floor and the upper support.

LB-09 evaluates this condition.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-014Location: Bldg. AFB Floor El. 43'-0" Room, Area¹ _____SWEL Components: SWEL1-034, 091

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

All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462.

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

Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Caps from nitrogen tanks are on the floor adjacent to and unsecured. See photo. By engineering judgement, this is not considered an critical seismic issue since seismic induced displacement will not result in the caps impacting critical components. CR-IP3-2012-03457 was issued to remedy this situation.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-014

Location: Bldg. AFB Floor El. 43'-0" Room, Area¹ _____

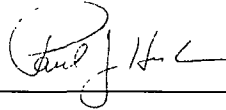
SWEL Components: SWEL1-034, 091

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

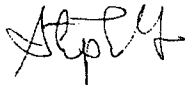
Comments (Additional pages may be added as necessary)

Evaluated by: Paul Huebsch



Date: 10/16/12

Stephen Yuan



10/16/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

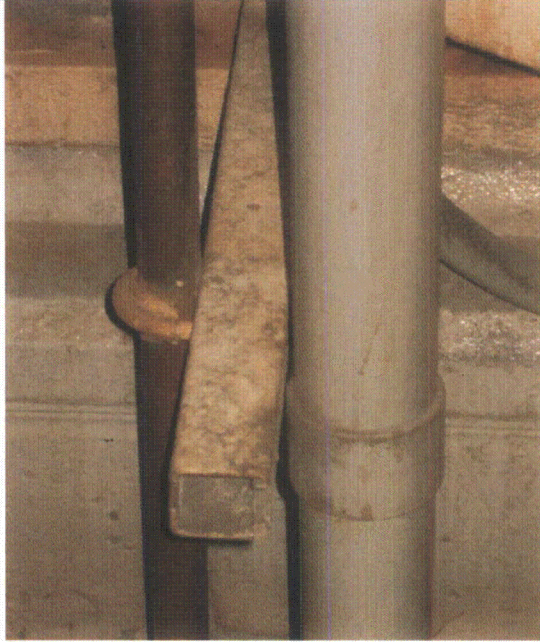
IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-014

Location: Bldg. AFB Floor El. 43'-0" Room, Area¹ _____

SWEL Components: SWEL1-034, 091



Note: The connection of the conduit riser next to column H8/19.5 is missing the U-bolt attachment to the Unistrut.



Note: View of the unsupported length of conduit shown in previous picture.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

IP3

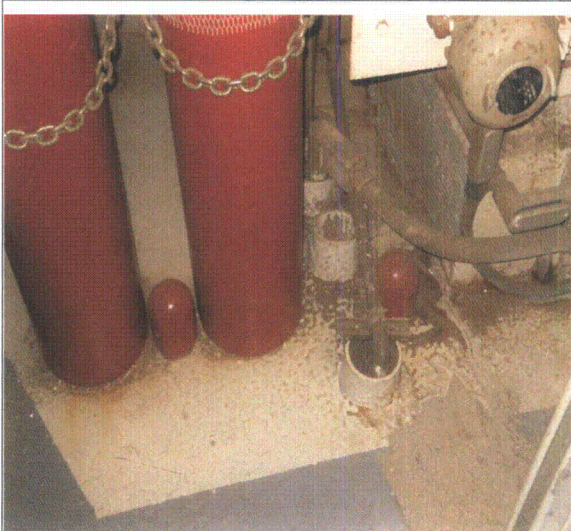
Status: Y N U

Area Walk-By Checklist (AWC) AWC-014

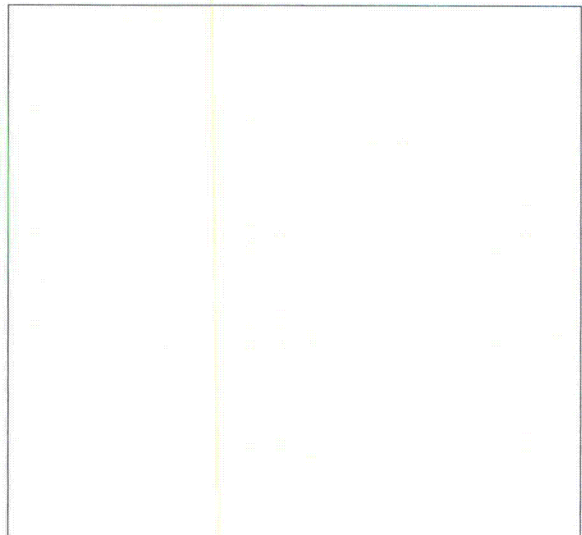
Location: Bldg. AFB Floor El. 43'-0" Room, Area¹ _____

SWEL Components: SWEL1-034, 091

Photographs



Note: Nitrogen bottles with unsecured caps.



Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-015Location: Bldg. CB Floor El. 53'-0" Room, Area¹ CONTROL ROOMSWEL Components: SWEL1-061, 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

Yes, anchorage of equipment was observed to be acceptable.

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

Yes, anchorage of equipment was observed to be free of degraded condition.

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

Yes, all cables and conduits are well supported and free of adverse seismic conditions.

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

Ceiling tiles are tied together and observed to be well secured. Therefore, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

¹ 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.

ATTACHMENT 9.7 **AREA WALK-BY CHECKLIST**

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-015

Location: Bldg. CB Floor El. 53'-0" Room, Area¹ CONTROL ROOM

SWEL Components: SWEL1-061, 062

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

During a seismic event, the following observations have potential to act as a missile and strike nearby sensitive equipment: (see attached photos)

- *Rack adjacent to Instrument Bus 31 has an unrestrained laptop and printer (also documented in IP3 SWEL 1-061).*
- *Boxes against the west wall on the floor.*
- *A box resting on top of a cabinet at the northwest corner of the room.*
- *Three unrestrained binders on top of Hydrogen Recombiner No. 31 Control Panel.*
- *Unrestrained phones, printers and monitors at the work stations.*
- *Unsecured speaker on top of 34 Control Room Supplemental Cooler along the south wall.*

All the above are documented in CR-IP3-2012-03398.

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

Observed a cart with 4 wheels by panel C-10. The cart is well secured to the floor with a large C-clamp. This is judged to be acceptable and it is not a seismic condition that could adversely affect the safety functions of equipment in the area.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

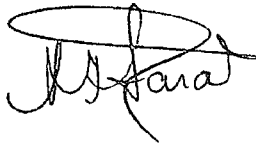
Status: Y N U

Area Walk-By Checklist (AWC) AWC-015

Location: Bldg. CB Floor El. 53'-0" Room, Area¹ CONTROL ROOM

SWEL Components: SWEL1-061, 062

Comments (Additional pages may be added as necessary)



Evaluated by: Maggie Farah

Date: 10/16/2012

Kai Lo



10/16/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

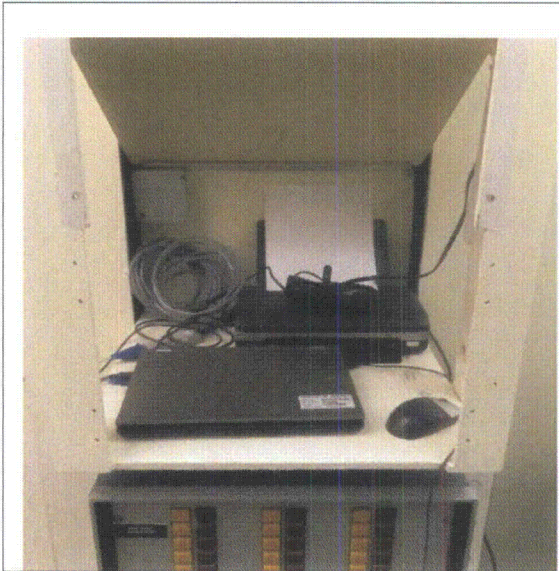
Status: Y N U

Area Walk-By Checklist (AWC) AWC-015

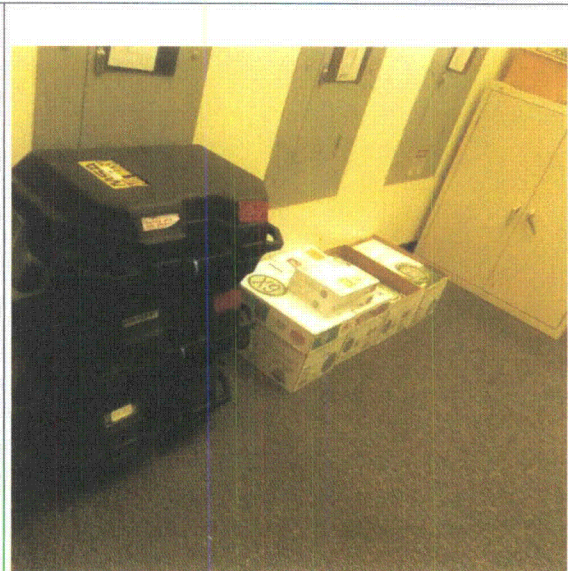
Location: Bldg. CB Floor El. 53'-0" Room, Area¹ CONTROL ROOM

SWEL Components: SWEL1-061, 062

Photographs



Note: Rack adjacent to Instrument Bus 31 has an unrestrained laptop and printer



Note: Boxes against the west wall on the floor and a box resting on top of a cabinet at the northwest corner of the room



Note: unrestrained binders on top of Hydrogen Recombiner No. 31 Control Panel



Note: Unrestrained phones, printers and monitors at work stations

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

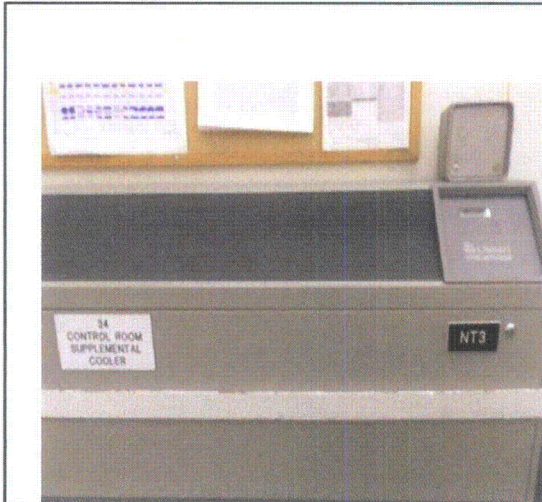
IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-015

Location: Bldg. CB Floor El. 53'-0" Room, Area CONTROL ROOM

SWEL Components: SWEL1-061, 062



Note: Unrestrained speaker on top of 34 Control Room Supplemental Cooler along the south wall



Note: Unrestrained phones, printers and monitors at work stations



Note: well restrained cart by C-10.

Note: no photo attached.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-016

Location: Bldg. AFB Floor El. 61'-0" Room, Area¹ _____

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-016

Location: Bldg. AFB Floor El. 61'-0" Room, Area¹ _____

SWEL Components: SWEL1-004

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

Some sections of grating are not attached to the steel beam below. CR-IP3-2012-03473 was issued to remedy this situation.

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

Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the 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

All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462

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

No other seismic conditions that could adversely affect the safety functions of the equipment in the area.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-016

Location: Bldg. AFB Floor El. 61'-0" Room, Area¹ _____

SWEL Components: SWEL1-004

Comments (Additional pages may be added as necessary)

Few florescent bulbs near south end of the platform are out and need to be replaced. This is addressed by CR-IP3-2012-03462

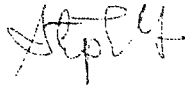
The paint of west wall is peeling off. Needs new paint.

Evaluated by: Paul Huebsch



Date: 10/17/12

Stephen Yuan



10/17/12

ATTACHMENT 9.7

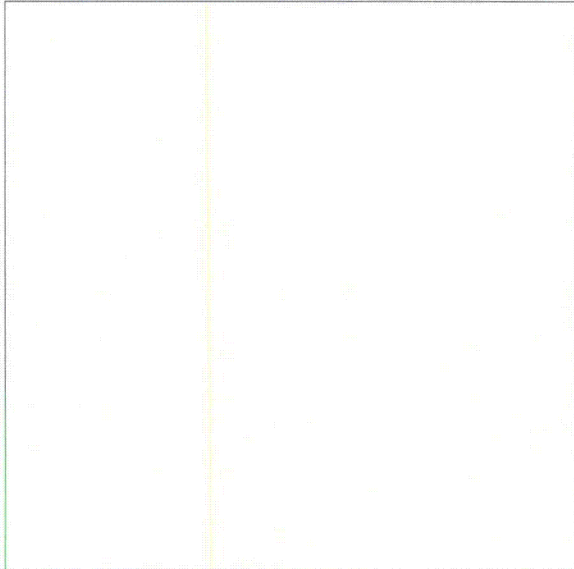
AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3



Note: *Some sections of grating are not attached to the steel beam below.*



Note:

ATTACHMENT 9.7**AREA WALK-BY CHECKLIST**

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-017Location: Bldg. AFB Floor El. 73'-8" Room, Area¹ _____SWEL Components: SWEL 1-003, 041, 042, 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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Anchorage of equipment in the area appears to be free of significant degraded conditions.

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

The cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7 **AREA WALK-BY CHECKLIST**

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-017

Location: Bldg. AFB Floor El. 73'-8" Room, Area¹ _____

SWEL Components: SWEL1-003, 041, 042, 043, 044

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

Floor grating is not attached to the steel support beams. Most grating is restrained laterally by the pipe supports and the wall on the opposite side. However some panels are only restrained by the wall and could displace laterally under seismic action. Adjacent panels cannot restrain the loose panels because the toe board is not continuous but is attached to each individual panel. They could then impact the main steam lines. CR-IP3-2012-03473 was issued to remedy this situation.

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

The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

The area is free of potentially adverse seismic interactions that could cause a fire in the 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

The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-017

Location: Bldg. AFB Floor El. 73'-8" Room, Area¹ _____

SWEL Components: SWEL1-003, 041, 042, 043, 044

- 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


All fluorescent light bulbs in the area need to be secured to the fixture. This is addressed by CR-IP3-2012-03462.

A few fluorescent bulbs near south end of the platform are out and need to be replaced.

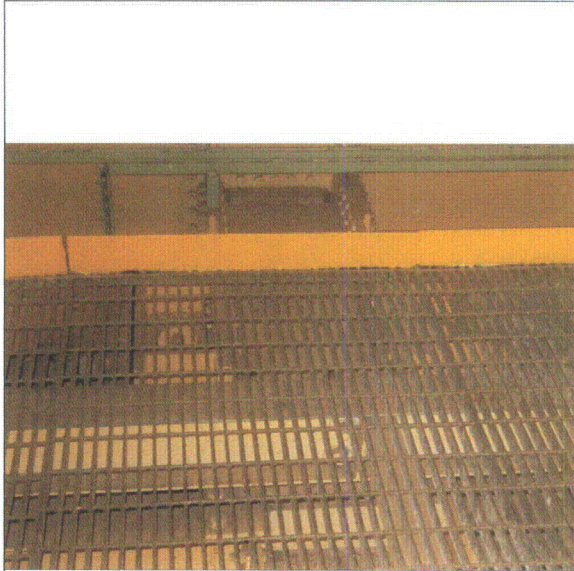
One of the fluorescent fixtures is touching the steel hanger. This was addressed in SWEL1-003.

Comments (Additional pages may be added as necessary)

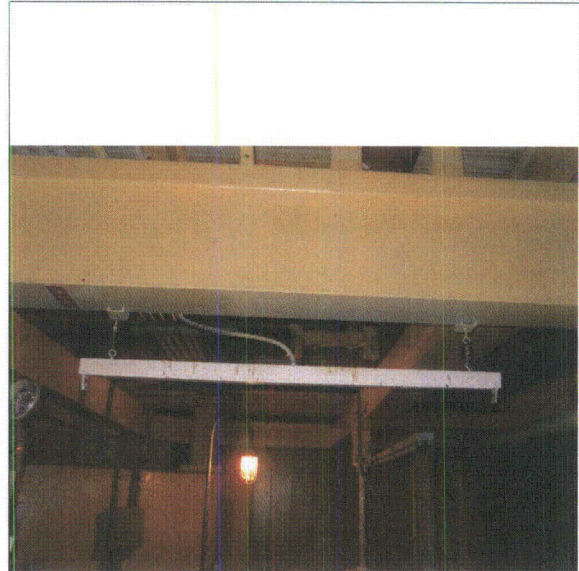
The insulation cover on an overhead pipe is peeling off. See photo.

Evaluated by: Paul Huebsch  Date: 10/17/12

Stephen Yuan  Date: 10/17/12



Note: Some sections of grating are not attached to the steel beam below.



Note: Some fluorescent bulbs near south end of the platform are out and need to be replaced.

Photographs



Note: One of the florescent fixtures is touching the steel hanger.



Note: The insulation cover of the overhead pipe is peeling off.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-018Location: Bldg. CST Floor El. 69'-0" Room, Area¹ YardSWEL Components: SWEL1-095**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 base plates of support columns on adjacent platforms have four holes in the base plates but only two anchors installed on diagonal holes. This condition is judged to be acceptable based on the low height of the platform and the minimum weight of the framing and fiberglass grating.

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

*Several screws are missing from the face closures of the electric panels. See attached photo.
– Since weight of the closure panel is less than 40#, and peak acceleration from ground response spectra is 0.64, 14 out of 22 screws are more than adequate to hold the panel in place.*

All the conduit and pipes show sign of corrosion.

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

The tank is free of potentially adverse seismic conditions from overhead conduits and HVAC ducting.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-018

Location: Bldg. CST Floor El. 69'-0" Room, Area¹ Yard

SWEL Components: SWEL1-095

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

The lighting poles near the tank need to be verified for seismic adequacy.

-LB-11 evaluates this condition.

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

The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

The area is free of potentially adverse seismic interactions that could cause a fire in the 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

The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-018

Location: Bldg. CST Floor El. 69'-0" Room, Area¹ Yard

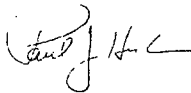
SWEL Components: SWEL1-095

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

No other seismic conditions that could adversely affect the safety functions of the equipment in the area were identified.

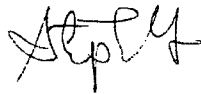
Comments (Additional pages may be added as necessary)

Evaluated by: Paul Huebsch



Date: 10/17/12

Stephen Yuan



Date: 10/17/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

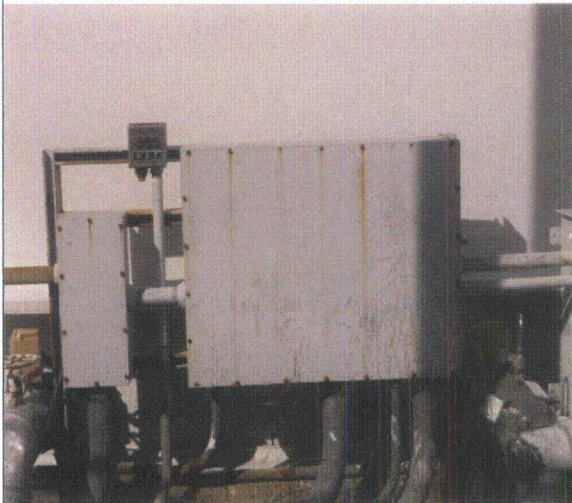
IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-018

Location: Bldg. CST Floor El. 69'-0" Room, Area¹ Yard

SWEL Components: SWEL1-095



Note: Several screws are missing for the electric panels



Note: The adjacent platform support base plate missing half number of anchor bolts.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-018

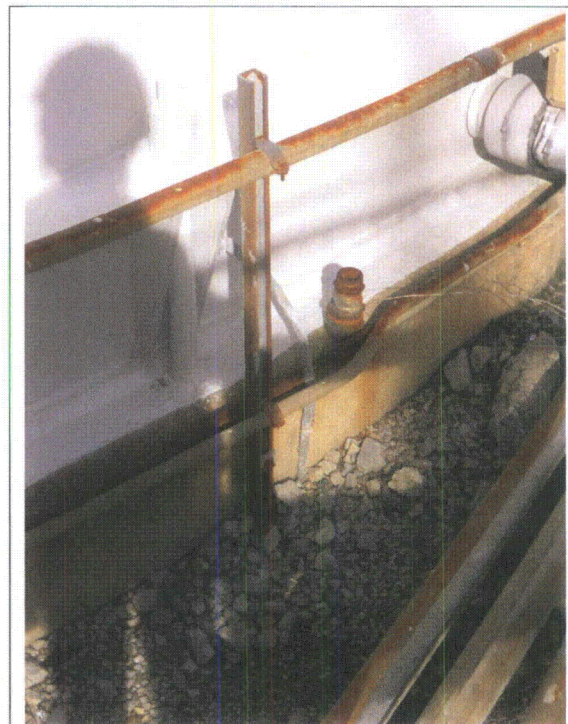
Location: Bldg. CST Floor El. 69'-0" Room, Area¹ Yard

SWEL Components: SWEL1-095

Photographs



Note: *The lighting poles near the tank need to be verified for seismic adequacy.*



Note: *All the conduit and pipes show sign of various stages of corrosion.*

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-019Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 31 DIESEL GENERATOR ROOMSWEL Components: SWEL1-076, 067, 088, 096**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

Observed a wide flange across the room (spanning east-west) supporting air intake piping with gaps between the base plate and the wall. The gaps are observed to be approximately between 1/8" to 1/4" (see attached photo). Per procedure O-RES-400-GEN, the allowable gap shall not be greater than 3/32". This 1/8" to 1/4" gap may result in bending of the anchor bolts. This is addressed in CR-IP3-2012-03361. LB-05 evaluates this condition.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Observed a not tightly secured metal wire trough located on the east wall (above the speaker). The wire trough is attached two Unistruts channels with one Unistrut bolt on each channel at the top. There is an approximately 3/4" to 1" gap between the wire trough and the Unistrut (see photos). The wire trough seems to be light in weigh; however, during a seismic event the trough may dislodge and strike nearby equipment. The wire trough should be properly secured to prevent any adverse seismic conditions. This is addressed in CR-IP3-2012-03363.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-019Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 31 DIESEL GENERATOR ROOMSWEL Components: SWEL1-076, 067, 088, 096

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-019

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 31 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-076, 067, 088, 096

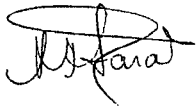
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

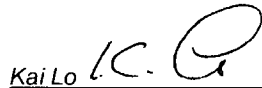
References:

IP3 SWEL1-076, 1-067, 1-088, 1-096



Evaluated by: Maggie Farah

Date: 10/19/12



Kai Lo

10/19/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

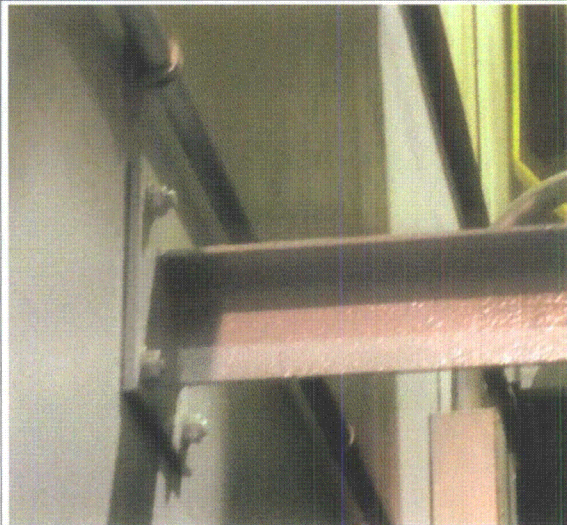
Status: Y N U

Area Walk-By Checklist (AWC) AWC-019

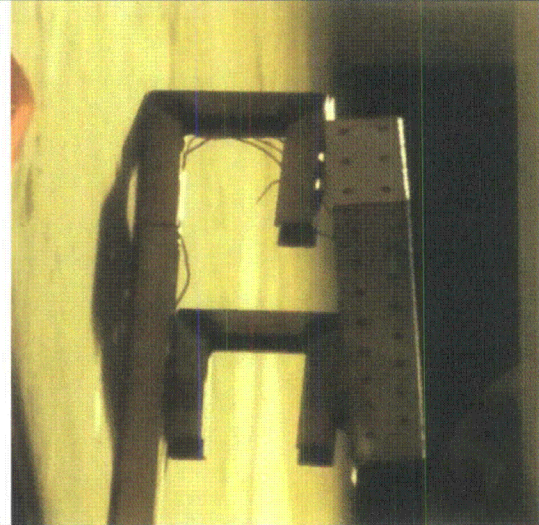
Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 31 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-076, 067, 088, 096

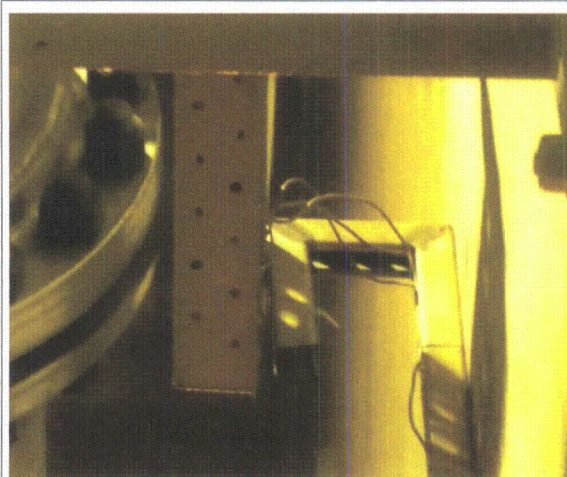
Photographs



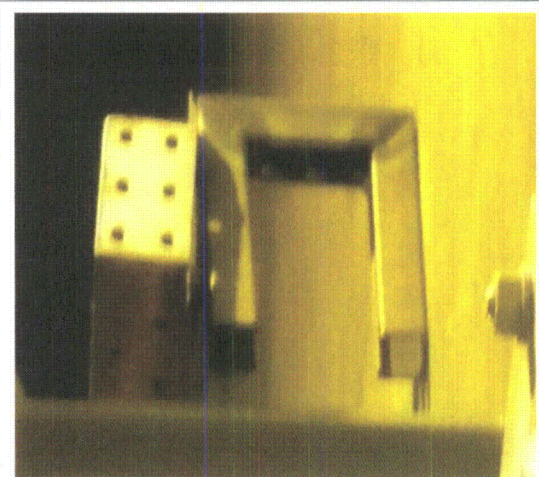
Note: Gap between the base plate and wall.



Note: Gaps between wire trough and Unistrut looking south.



Note: Gap between wire trough and Unistrut looking north.



Note: Gap between wire trough and Unistrut looking north.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-020Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 32 DIESEL GENERATOR ROOMSWEL Components: SWEL1-077, 058, 100**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-020

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 32 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-077, 058, 100

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed scaffold #4355 erected on 7/25/12. The scaffolding seems well supported and was judged acceptable. Therefore, the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-020

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 32 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-077, 058, 100

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Observed three ceiling light bulbs that need to be replaced. This is not a seismic concern. Replacement of bulbs is addressed in CR-IP3-2012-03363.

References:

IP3 SWEL1-077, 1-058, 1-100

Evaluated by: Maggie Farah

Date: 10/19/2012

Stephen Yuan

Date: 10/19/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-020

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 32 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-077, 058, 100

Photographs

Note: <i>no photos attached</i>	Note:

ATTACHMENT 9.7**AREA WALK-BY CHECKLIST**

Sheet 1 of 4

IP3

Status: Y N U **Area Walk-By Checklist (AWC) AWC-021**Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 33 DIESEL GENERATOR ROOM**SWEL Components: SWEL1-078****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

Observed a wide flange across the room (spanning east-west) supporting B574 duct with a gap between the base plate and the east wall. The gap is observed to be approximately between 1/8" to 1/4" (see attached photo). This gap may result in bending of the anchor bolts. This is addressed in CR-IP3-2012-03361. LB-05 evaluates this condition.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-021Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 33 DIESEL GENERATOR ROOMSWEL Components: SWEL1-078

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-021

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 33 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-078

- 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


Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Observed two ceiling light bulbs that need to be replaced. The light bulb replacement is addressed in CR-IP3-2012-3363.

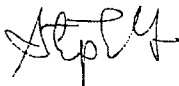
Reference:
IP3 SWEL1-078

Evaluated by: Maggie Farah



Date: 10/19/12

Stephen Yuan



10/19/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3


Status: Y N U

Area Walk-By Checklist (AWC) AWC-021

Location: Bldg. DG Floor El. 15'-0" Room, Area¹ 33 DIESEL GENERATOR ROOM

SWEL Components: SWEL1-078

Photographs

	
<p>Note: wide flange across the room (spanning east-west) supporting B574 duct with a gap between the base plate and the east wall</p>	<p>Note:</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-022

Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL1-025

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-022Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____SWEL Components: SWEL1-025

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed a broken fluorescent light fixture directly above CS Pump 32. The fixture is tied in the center (with rope or zip tie) but loose at the north end. During a seismic event the fixture may fall and strike the oil reservoir or any sensitive equipment (see attached photo). This is addressed in CR-IP3-2012-03481.

EN-DC-168 REV 0

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-022

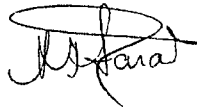
Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL1-025

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

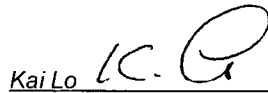
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)



Evaluated by: Maggie Farah

Date: 10/22/12



Kai Lo

10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

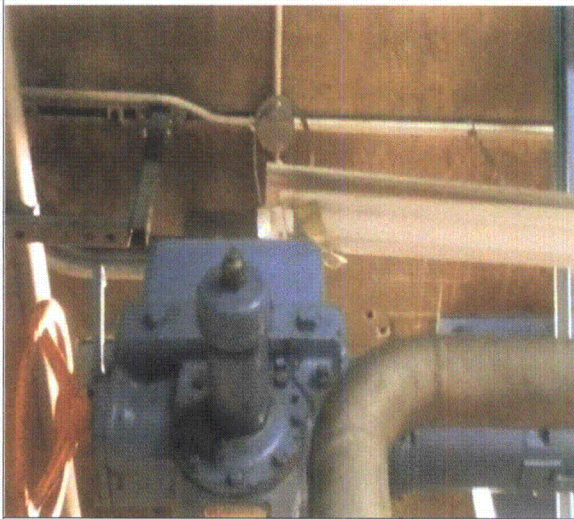
Status: Y N U

Area Walk-By Checklist (AWC) AWC-022

Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL1-025

Photographs

	
<p>Note: <i>broken fluorescent light fixture directly above CS Pump 32</i></p>	<p>Note:</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 6

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-023Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____SWEL Components: SWEL1-024**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Observed Fluorescent light bulbs that are not secured or tied to the light fixture. During a seismic event, the bulbs may become loose and strike nearby sensitive equipment. This is addressed in IP3 SWEL1-024 and CR-IP3-2012-03481.

¹ 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.

ATTACHMENT 9.7 **AREA WALK-BY CHECKLIST**

Sheet 2 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-023

Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____

SWEL Components: SWEL1-024

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed tools, cables, parts resting on top of the CCW tank (see attached photos).

Observed two buckets (collecting drips) at 32 CCW pump (see attached photos).

Observed a bucket (with wheels) and mop stick near the hot water heater near Sump Pump 37 (see attached photo).

Observed hoses coming out of CCW tank that are laid over piping, piping supports and ducts that are not tied down. The ends of two hoses seem to travel to an upper elevation connecting to another CCW tank. Another hose is resting on top of a pipe near SWN-32.

Observed a ladder near the Appendix R safe shutdown ladder that is not restrained.

The aforementioned items must be tied down/ properly secured or removed to prevent any interaction with nearby equipment. This is addressed in CR-IP3-2012-03501.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-023

Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____

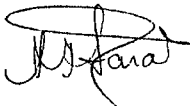
SWEL Components: SWEL1-024

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

*Reference:
IP3 SWEL1-024*

Evaluated by: Maggie Farah  Date: 10/22/12

Kai Lo  10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 6

IP3

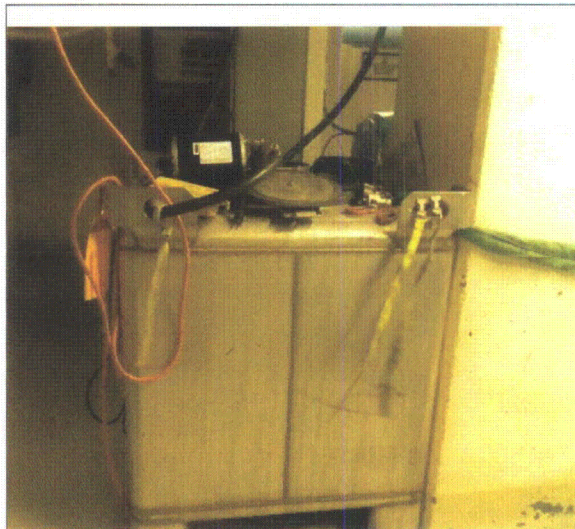
Status: Y N U

Area Walk-By Checklist (AWC) AWC-023

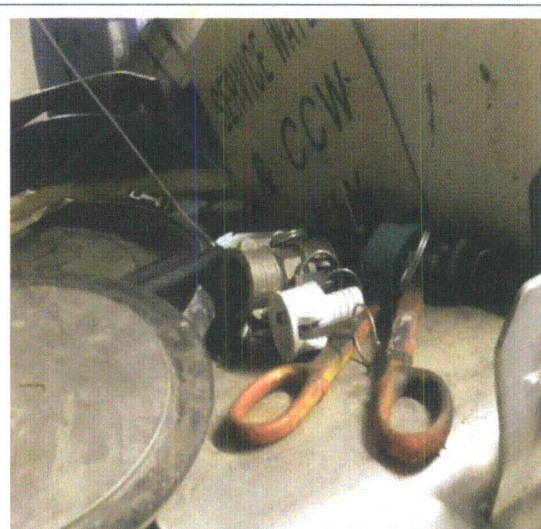
Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____

SWEL Components: SWEL1-024

Photographs



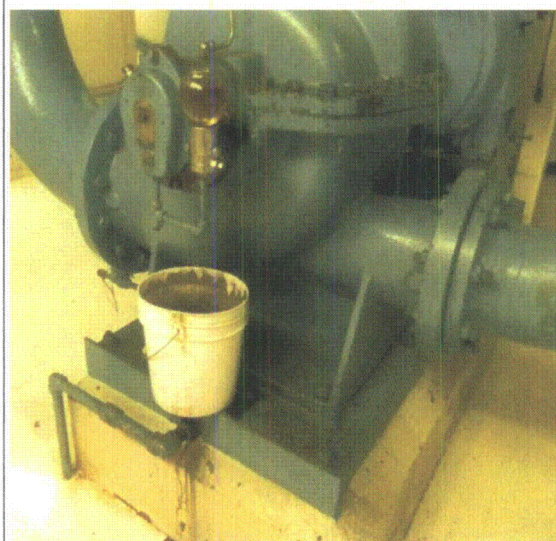
Note: Tools on top of CCW tank



Note: Tools on top of CCW tank



Note: Bucket at 32 CCW pump



Note: Bucket at 32 CCW pump under the oil reservoir

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 6

IP3

Status: Y N U

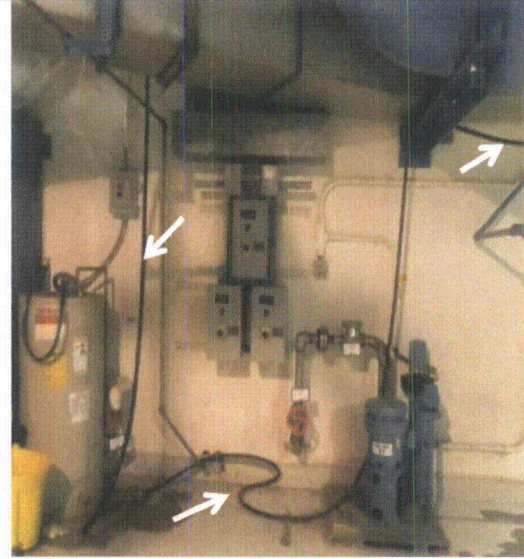
Area Walk-By Checklist (AWC) AWC-023

Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____

SWEL Components: SWEL1-024



Note: wheeled bucket and a mop stick



Note: loose hose laying on floor going to an upper elevation.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 6 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-023

Location: Bldg. PA Floor El. 41'-0 Room, Area¹ _____

SWEL Components: SWEL1-024



Note: Unrestrained ladder by the Appendix R safe shutdown ladder.

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-024Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL 31)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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-024

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL 31)

SWEL Components: SWEL1-028

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-024

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL 31)

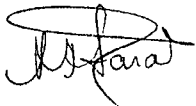
SWEL Components: SWEL1-028

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

*Reference:
IP3 SWEL1-028*



Evaluated by: Maggie Farah

Date: 10/22/12



Kai Lo

10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

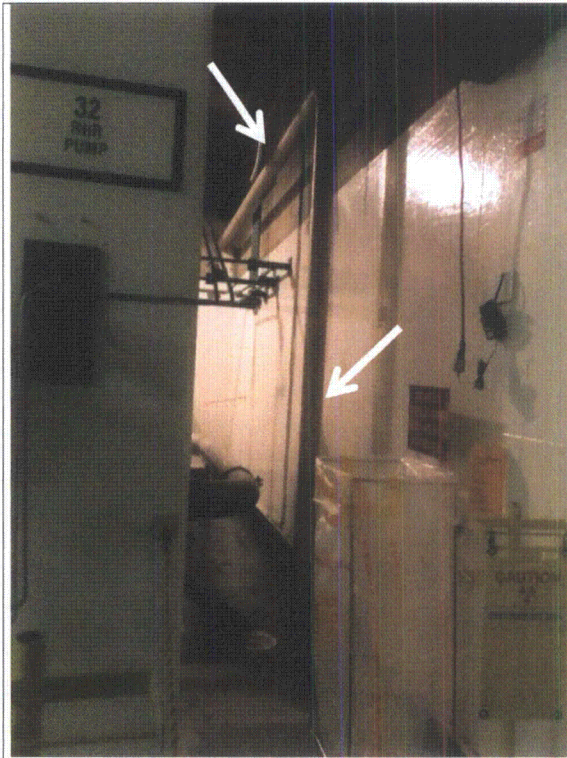
Status: Y N U

Area Walk-By Checklist (AWC) AWC-024

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL 31)

SWEL Components: SWEL1-028

Photographs



Note: piping with an unsupported length of approximately 25 to 30 ft.

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-092, 098, 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

TR-4004 support base plate is missing two out of four anchor bolts. This is typical of all four base plates and based on the size of the cabinet, it is judged that this configuration is adequate for applied seismic loading.

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

Electric heat tracing cabinet support base plates and anchor bolts are severely corroded. The Unistrut support column has been welded to the stair stringer to provide additional support. CR-IP3-2012-03595 documents this condition. LB-19 has evaluated this condition.

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

Fluorescent tubes need to be restrained. This is not a seismic adverse condition since equipment in the area are noted as hard targets. CR-IP3-2012-03595 has been written to remedy this condition.

The ladders at the entrance to the Nonregenerative Heat Exchanger Room need to be secured. This is not a seismic adverse concern since the ladders are not near any sensitive equipment. Good practice is to tie the ladders to the support frame. CR-IP3-2012-03501 has been written to investigate this condition.

The following observation relate to duct FR-DF-40:

- *The vise grips used to hold the seams on duct need to be replaced with a permanent corrective solution.*
- *One wall of the above duct is totally separated from the vertical corner and is flapping freely.*

The wall of the duct is light in weight and will not damage the nearby boric acid tank. In addition, total separation from the duct is unlikely; therefore, this is judged to have no adverse seismic condition. CR-IP3-2012-03595 has been written to correct these conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-092, 098, 093

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

Fluorescent tubes need to be restrained. This is a not a seismic adverse condition since equipment in the area are noted as hard targets. Good practice is to tie the bulbs to the fixture. CR-IP3-2012-03481 has been written to correct this condition.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

A pipe hanger is close (approx 1/2") to a conduit. See photo for location. The seismically designed conduit is very rigid and will have less than 0.1" seismic displacement. The nearby hanger rod is for dead weight only but the pipe is seismically restrained so the lateral displacement will also be small. The 1/2" clearance is judged to be acceptable.

In the South-east corner of the room there are pallets of drums and a vacuum that are all unrestrained. The drums and vacuum are remote from any equipment and this is not judged to be an adverse seismic condition. CR-IP3-2012-03501 has been written to address this condition.

There is a hot water heater adjacent to the concrete column near Boric Acid Tank 31 which does not have any apparent anchorage. CR-IP3-2012-03595 has been written to investigate this condition.

Through wall room air conditioners are hung for gravity loading but do not appear to have any lateral restraint for seismic loading. Since there is no safety related equipment nearby, there is no adverse spatial interaction.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 6

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

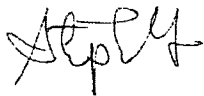
SWEL Components: SWEL1-092, 098, 093

- 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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

One light bulb above CC Surge Tank #31 needs to be replaced.

Evaluated by: Stephen Yuan  Date: 10/22/2012

Paul Huebsch  Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 6

IP3

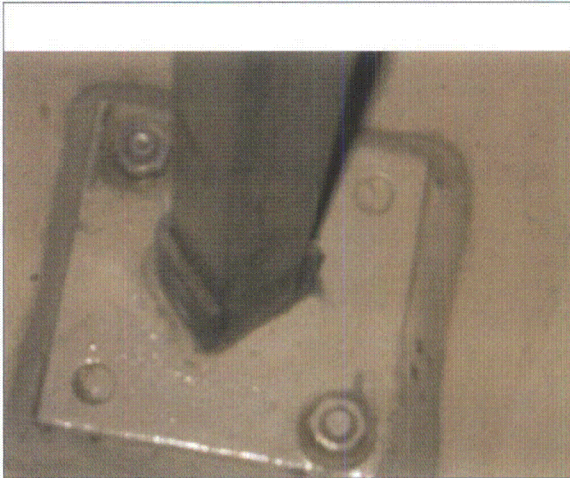
Status: Y N U

Area Walk-By Checklist (AWC) AWC-025

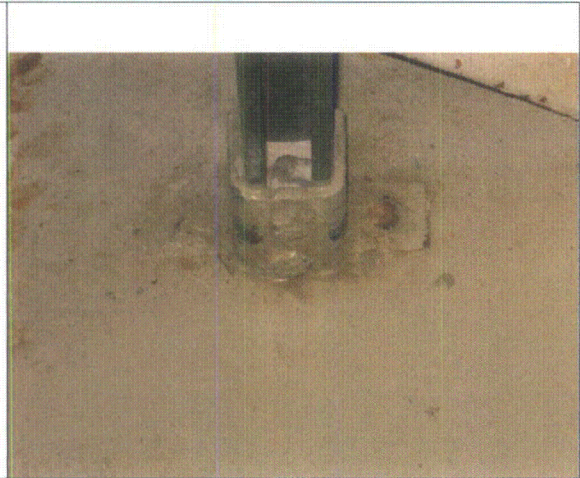
Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-092, 098, 093

Photographs



Note: Base plate with two out of four anchor bolts in place.



Note: Electric heat tracing cabinet base plate



Note: Electric heat tracing cabinet base plate inside of curbed area.



Note: Unsecured ladders at the Nonregenerative heat exchanger room

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 6

IP3

Status: Y N U

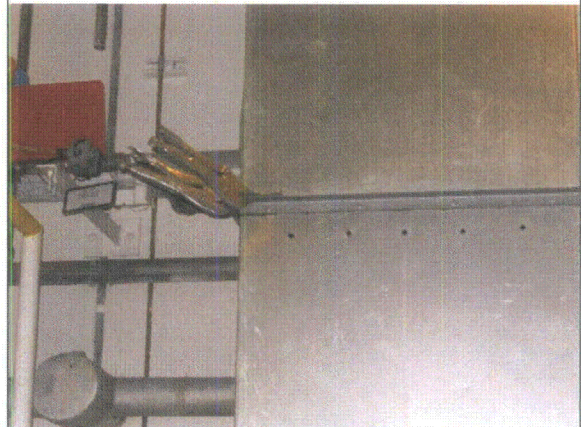
Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

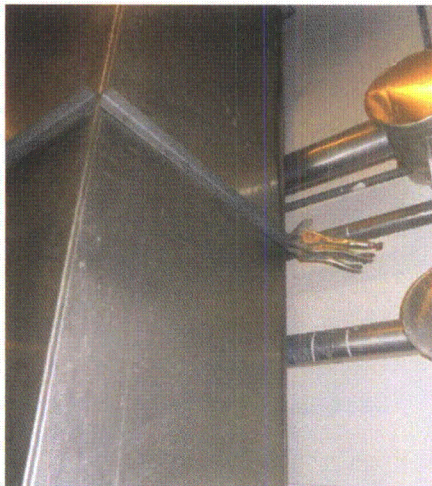
SWEL Components: SWEL1-092, 098, 093



Note: Hot water heater with no apparent restraint



Note: Duct work held together with vise grips



Note: Ductwork with side not connected at corner seam.



Note: Pallets, drums and vacuum not secured.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

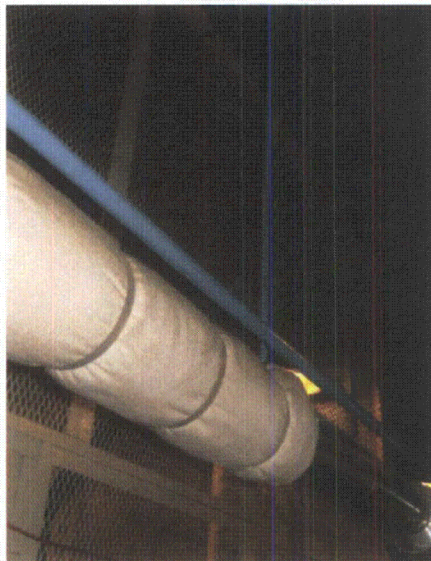
Sheet 6 of 6

IP3
Status: Y N U

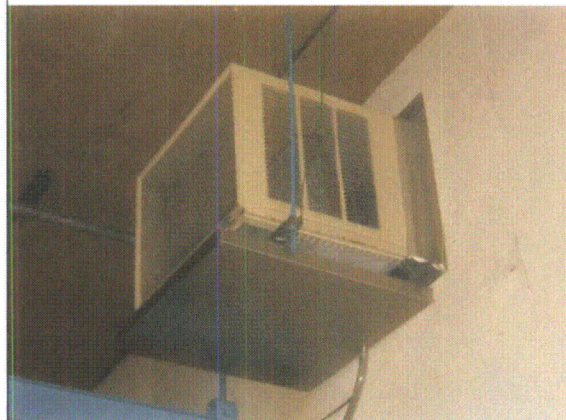
Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

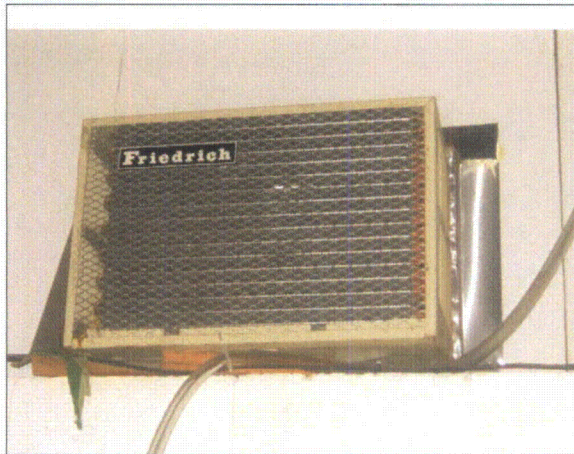
SWEL Components: SWEL1-092, 098, 093



Note: Pipe hanger in close contact with horizontal pipe.



Note: Air conditioner with no apparent horizontal support.



Note: Air conditioner with no apparent lateral support



Note: Masonry wall at office section

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-026

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-039

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

Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-026

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-039

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-026

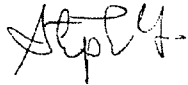
Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-039

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan  Date: 10/22/2012

Paul Huebsch  Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

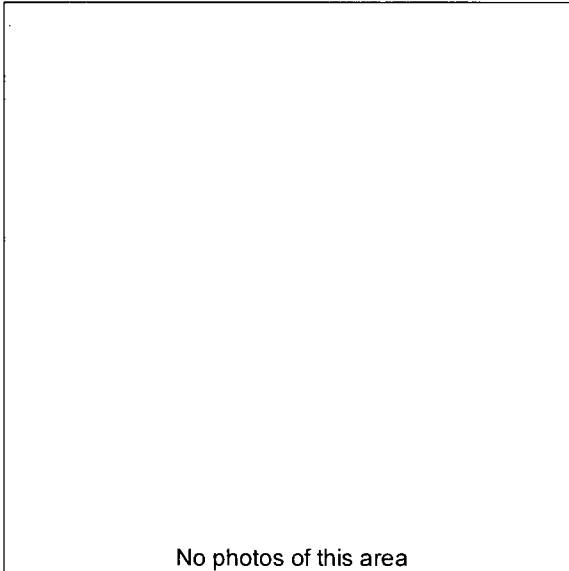
Status: Y N U

Area Walk-By Checklist (AWC) AWC-026

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

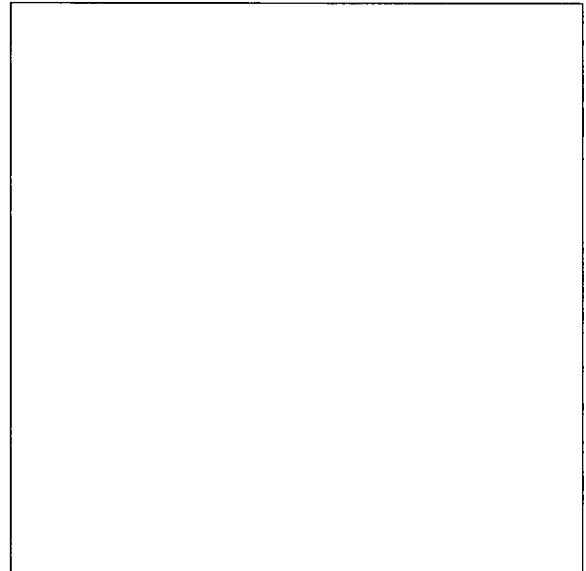
SWEL Components: SWEL1-039

Photographs



No photos of this area

Note:



Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-027

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL32)

SWEL Components: SWEL1-029

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Observed a waste disposal liquid pipe (approximately 4" in diameter) coming out of the north wall then penetrates the floor with an unsupported length of approximately 25 ft to 30 ft (see attached photo).

LB-12 evaluates this condition.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-027

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL32)

SWEL Components: SWEL1-029

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

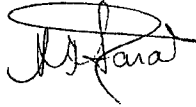
Area Walk-By Checklist (AWC) AWC-027

Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL 32)

SWEL Components: SWEL1-029

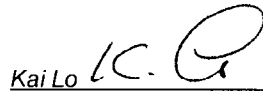
Comments (Additional pages may be added as necessary)

Reference:
IP3 SWEL1-029
LB-12



Evaluated by: Maggie Farah

Date: 10/22/12



Kai Lo

10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-027

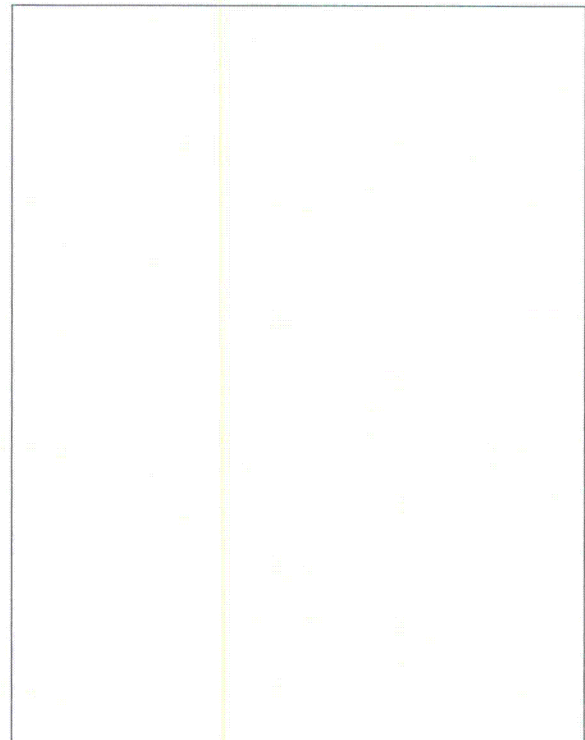
Location: Bldg. PA Floor El. 15'-0" Room, Area¹ RHR PUMP ROOM (CELL32)

SWEL Components: SWEL1-029

Photographs



Note: piping with an unsupported length of approximately 25 ft to 30 ft



Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-028Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____SWEL Components: SWEL1-011, 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

Camera mounted on post with base plate which has no anchor bolts and stands adjacent to the stairway. CR-IP3-2012-03565 has been written to correct this condition.

LB-12 was performed to evaluate the condition.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

See question #1.

¹ 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.

Area Walk-By Checklist (AWC) AWC-028

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-011, 009

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Various housekeeping practices were identified:

- *Loose padlocks left in the area. Because of the small mass of the padlocks and there location, this is not considered an adverse seismic condition. It is considered to be a housekeeping problem.*
- *Unsecured tool boxes and unlocked electrical cabinet noted. This condition exists remote from equipment which might be affected by a seismic event.*
- *Fluorescent tube missing near transformer 32. This is not an adverse seismic condition.*

CR-IP3-2012-03501 tracks the resolutions.

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

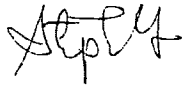
Status: Y N U

Area Walk-By Checklist (AWC) AWC-028

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-011, 009

Evaluated by: Stephen Yuan



Date: 10/22/2012

Paul Huebsch



Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

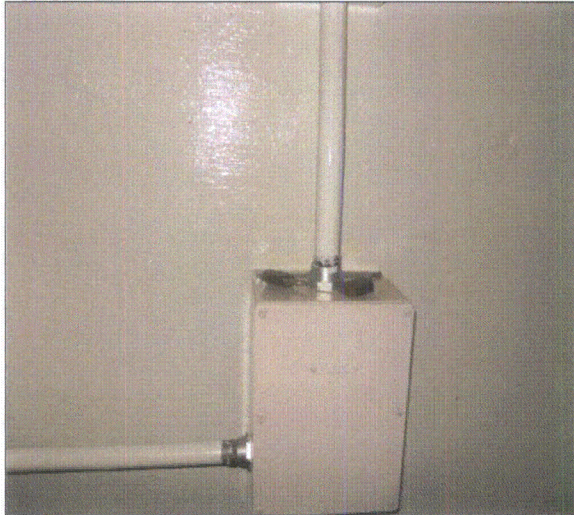
IP3
Status: Y N U

Area Walk-By Checklist (AWC) AWC-028

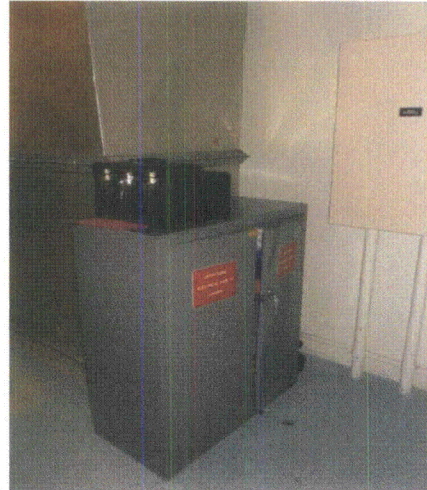
Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-011, 009

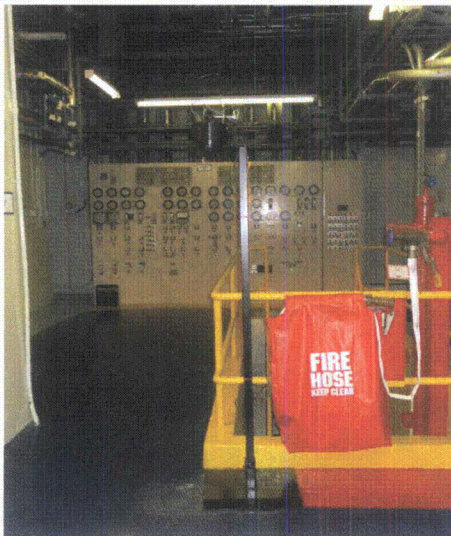
Photographs



Note: Loose padlocks on top of cabinet



Note: Unsecured tool box on top of cabinet and cabinet door not closed.



Note: Camera on post with unsecured base plate

Note:

ATTACHMENT 9.7 **AREA WALK-BY CHECKLIST**

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-029

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

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

Appendix R cabinet EBR-22-PAB is not snug against the support. There is a gap between the back of the cabinet and the supporting surface at the top. The nut inside the Unistrut channel is still engaged and the bolt is still there. SWEs judged that the EBR will not fall during a seismic event.

CR-IP3-2012-03557 has been written to evaluate this condition to properly secure this item.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-029

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-087

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Various housekeeping practices were identified:

- *Loose cart found in the area.
CR-IP3-2012-03501 tracks the resolution.*
- *Loose part found in the area near EBR-22-PAB
CR-IP3-2012-03501 tracks the resolution.*

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-029

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-087

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

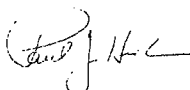
Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan



Date: 10/22/2012

Paul Huebsch



Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

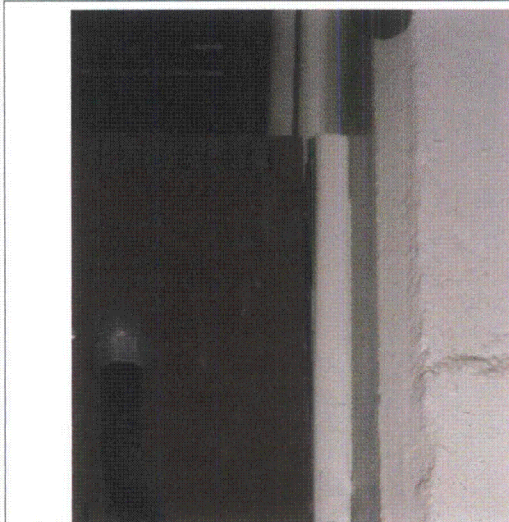
Status: Y N U

Area Walk-By Checklist (AWC) AWC-029

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-087

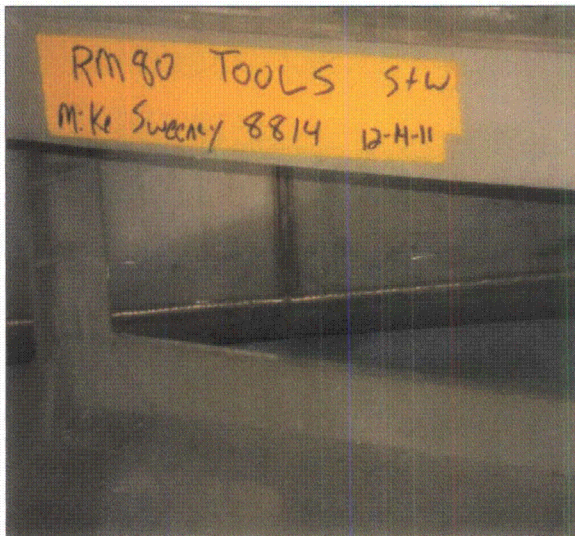
Photographs



Note: Appendix R cabinet with gap at top behind back plate



Note: Unsecured cart



Note: Identification of unsecured cart

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-030

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-027

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

Pipes connected to and near valve AC-757E have long unsupported length in the vertical direction This condition is shown on drawing 9321-F-55743 for line no. 641. The piping is seismic class I and has been analyzed and supported seismically.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-030

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-027

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-030

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

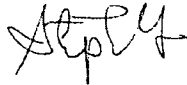
SWEL Components: SWEL1-027

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

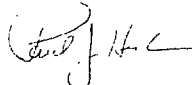
Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan



Date: 10/22/2012

Paul Huebsch



Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

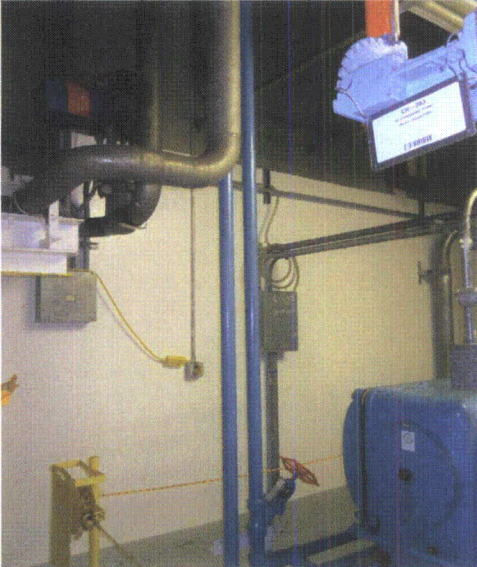
Status: Y N U

Area Walk-By Checklist (AWC) AWC-030

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-027

Photographs

	
<p>Note: Pipes connected to and near valve AC-757E have long unsupported length in the vertical direction and are in contact near the ceiling.</p>	<p>Note:</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-031Location: Bldg. PA Floor El. 34'-0" Room, Area¹ SAFETY INJECTION PUMP ROOMSWEL 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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-031

Location: Bldg. PA Floor El. 34'-0" Room, Area¹ SAFETY INJECTION PUMP ROOM

SWEL Components: SWEL1-021

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed a brush, tape and a filter resting, unrestrained on a shelf located on the south wall of the room between SI Pumps 31 and 32 (see attached photo). During a seismic event these items may dislodge or act as missile and strike nearby components. This is addressed in CR-IP3-2012-03501.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-031

Location: Bldg. PA Floor El. 34'-0" Room, Area¹ SAFETY INJECTION PUMP ROOM

SWEL Components: SWEL1-021

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Evaluated by: Maggie Farah



Date: 10/22/12

Kai Lo



10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

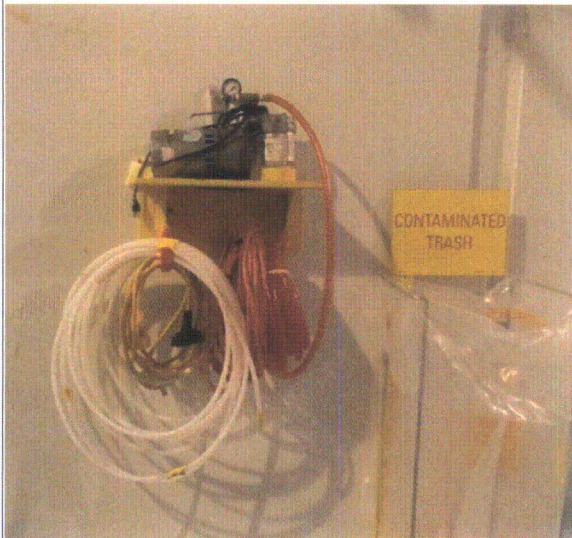
Status: Y N U

Area Walk-By Checklist (AWC) AWC-031

Location: Bldg. PA Floor El. 34'-0" Room, Area¹ SAFETY INJECTION PUMP ROOM

SWEL Components: SWEL1-021

Photographs

 <p>The photograph shows a piece of equipment mounted on a wall. It has several white and red hoses connected to it. A yellow sign with the text 'CONTAMINATED TRASH' is visible on the wall next to the equipment. The equipment appears to be a filter or a pump component.</p>	
<p>Note: unrestrained filter, brush and tape on wall shelf.</p>	<p>Note:</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-032

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

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

Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-032

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-026

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

Fluorescent tubes need to be restrained. CR-IP3-2012-03481 has been written to remedy this condition.

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

Area heater UH335 has threaded hot water piping which does not appear to be seismically supported. Maximum span is approximately 15 feet for estimated 2" diameter pipe. Area heater UH334 has a similar condition but it is more remote from the equipment area.

LB-14 was performed to analyze this condition.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Screw driver left on Unistrut. See photo. This is considered a housekeeping condition and not considered an adverse seismic condition.

Miscellaneous parts on top of panel. See photo. This is considered a housekeeping condition and not considered an adverse seismic condition.

CR-IP3-3012-03501 has been written to remedy this condition.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-032

Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

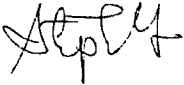
SWEL Components: SWEL1-026

- 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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Reference:
LB-14

Evaluated by: Stephen Yuan  Date: 10/22/2012

Paul Huebsch  Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

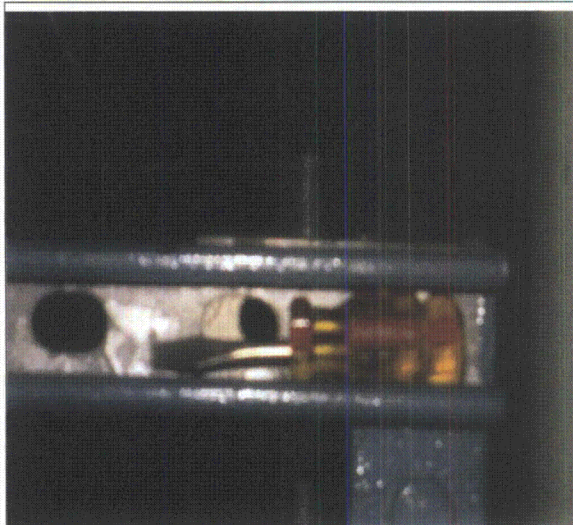
Status: Y N U

Area Walk-By Checklist (AWC) AWC-032

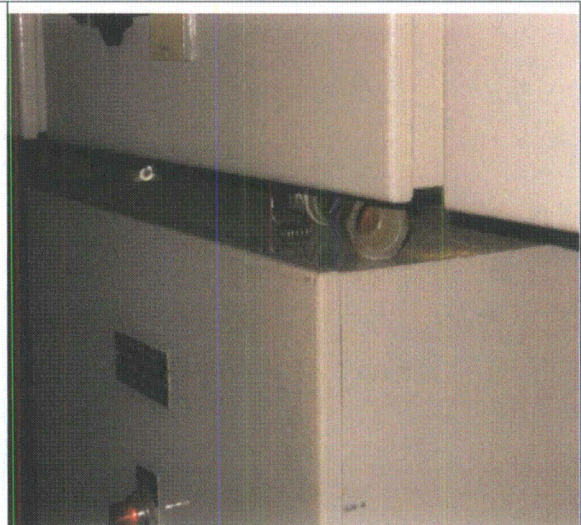
Location: Bldg. PA Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL1-026

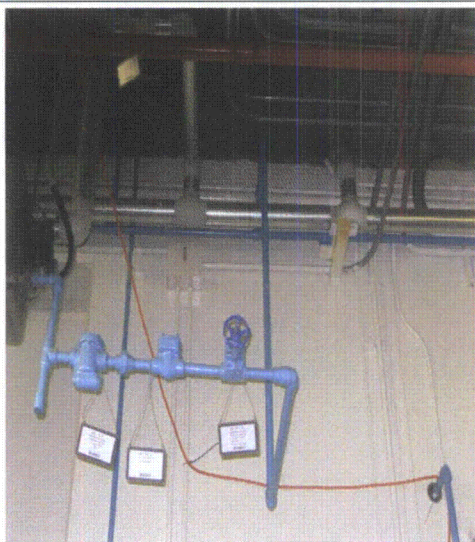
Photographs



Note: Screw driver left on Unistrut



Note: Miscellaneous parts on top of panel



Note: Area heater UH334 piping not seismically supported

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-033

Location: Bldg. PAB Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL2-001

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

Observed a PVC west of the RWST Purification Pump that is secured to the Unistrut with a zip tie. The PVC comes out of the west wall and penetrates PA119 duct in the overhead (see attached photos). The unsupported length from the wall to the duct is approximately 12 ft. This is documented in CR-IP3-2012-03583.

LB-15 evaluates this condition.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7 **AREA WALK-BY CHECKLIST**

Sheet 2 of 4

IP3
Status: Y N U

Area Walk-By Checklist (AWC) AWC-033

Location: Bldg. PAB Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL2-001

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed a compressed air tank cap resting on the compressed air tank support (gas bottle rack) located on the south wall near RWST Purification Pump. During a seismic event, the cap may act as a missile and strike nearby equipment. This is documented in CR-IP3-2012-03501.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-033

Location: Bldg. PAB Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL2-001

- 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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Observed a clock mounted on the north wall near the RWST Purification Pump and the Monitor Tank Pumps that is well secured. SWES judged the clock to have no adverse seismic interaction.

Reference:
LB-15

Evaluated by: Maggie Farah  Date: 10/22/12

Kai Lo  10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

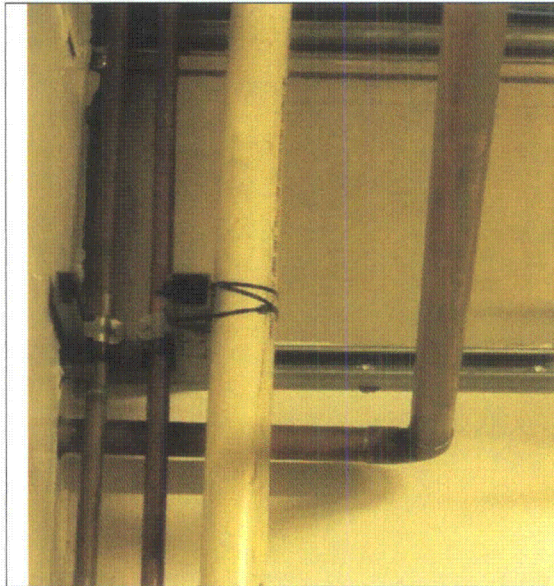
Status: Y N U

Area Walk-By Checklist (AWC) AWC-033

Location: Bldg. PAB Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL2-001

Photographs



Note: PVC zip tied to unistrut



Note: PVC penetrates duct



Note: Loose cap behind the compressed air bottles.

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 3

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-034Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____SWEL Components: SWEL1-084, 097**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 3

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-034

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-084, 097

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

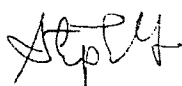
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Reference:
IP3 SWEL1-029

Evaluated by: Stephen Yuan  Date: 10/22/12

Paul Huebsch  Date: 10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 3

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-034

Location: Bldg. PA Floor El. 73'-0" Room, Area¹ _____

SWEL Components: SWEL1-084, 097

Photographs

<p>Note: <i>no photos attached</i></p>	<p>Note:</p>

ATTACHMENT 9.7**AREA WALK-BY CHECKLIST**

Sheet 1 of 4

IP3

Status: Y N U **Area Walk-By Checklist (AWC)** AWC-035Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____**SWEL Components:** SWEL1-045**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

Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-035Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____SWEL Components: SWEL1-045

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

There is a considerable amount of water on the floor indicating potential leakage from piping in the area. CR-IP3-2012-3527 has been written to remedy this condition.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Several lights are out and need to be replaced. The florescent tube needs to be restrained.

CR-IP3-2012-03661 has been written to remedy this condition.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-035

Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____

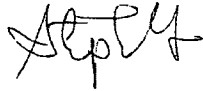
SWEL Components: SWEL1-045

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

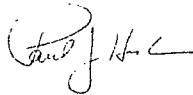
Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan



Date: 10/22/2012

Paul Huebsch



Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-035

Location: Bldg. PA Floor El. 41'-0" Room, Area¹ _____

SWEL Components: SWEL1-045

Photographs



Note: *There is a considerable amount of water on the floor indicating potential leakage from piping in the area.*

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-036Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____SWEL Components: SWEL1-001, 002**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

Nearby Unistruts for panels and stanchions for pipe supports show varying signs of advanced corrosion. CR-IP3-2012-03633 has been written to remedy the condition for the stanchions. EC-38453 was generated to repair DPIC-1111 and DPIC-1113 thru 1116 racks. EC-28998 was generated for the corroded IA supports.

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

Nearby Unistruts for panels and stanchions for pipe supports show varying signs of advanced corrosion. CR-IP3-2012-03633 has been written to remedy this condition. EC-38453 was generated for the DPIC racks. EC-28998 was generated for the IA supports.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-036

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-001, 002

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

The area has bar grating at the ceiling level and it is determined that the grating is well secured to the support steel and not subject to displacement.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-036

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

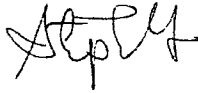
SWEL Components: SWEL1-001, 002

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan



Date: 10/23/2012

Paul Huebsch



Date: 10/23/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

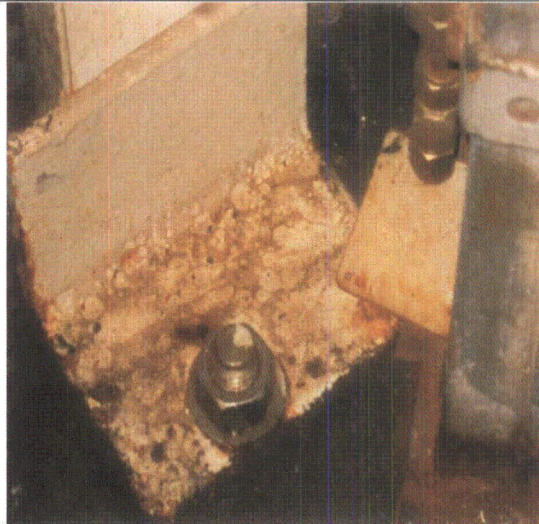
Status: Y N U

Area Walk-By Checklist (AWC) AWC-036

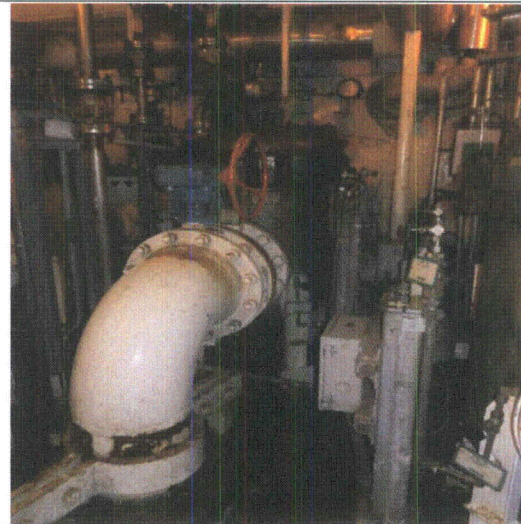
Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

SWEL Components: SWEL1-001, 002

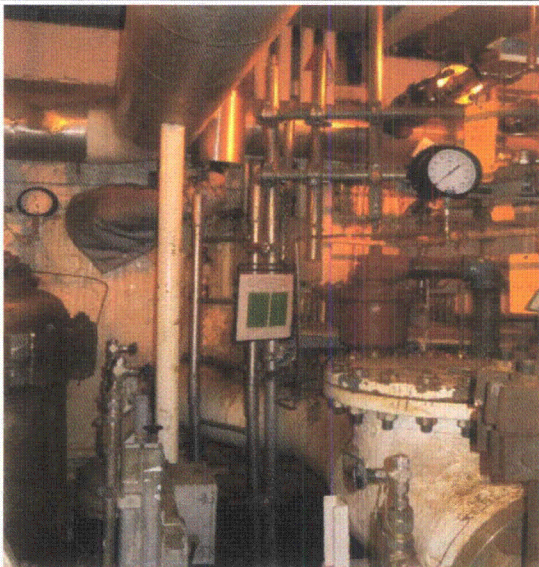
Photographs



Note: Anchor bolt for strainer (stainless steel) with some corrosion of base angle.



Note: View of piping at strainer



Note: Scaffolding adjacent to strainers with green tag.



Note: Corrosion at the base of a Unistrut column

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

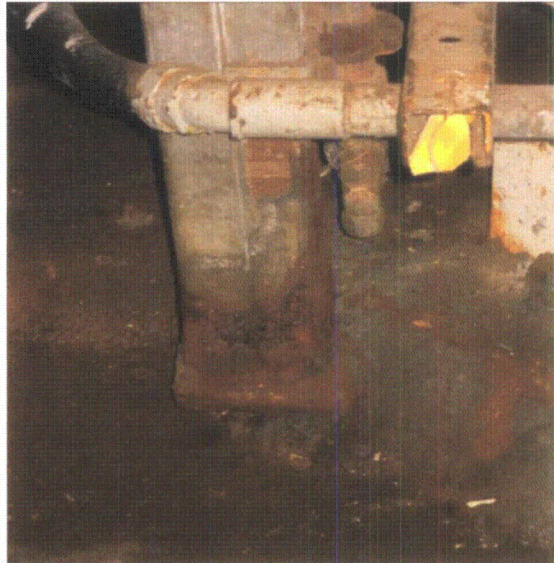
IP3

Status: Y N U

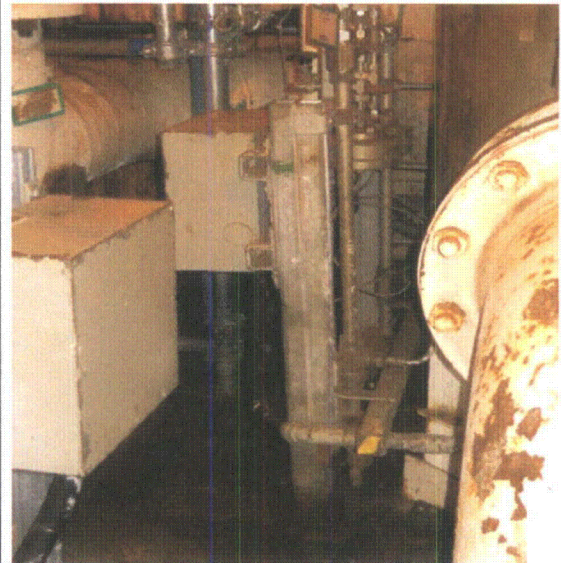
Area Walk-By Checklist (AWC) AWC-036

Location: Bldg. IS Floor El. 15'-0" Room, Area¹ _____

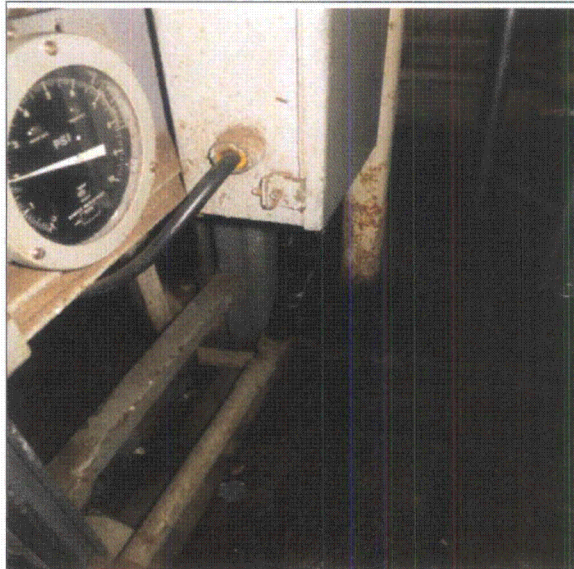
SWEL Components: SWEL1-001, 002



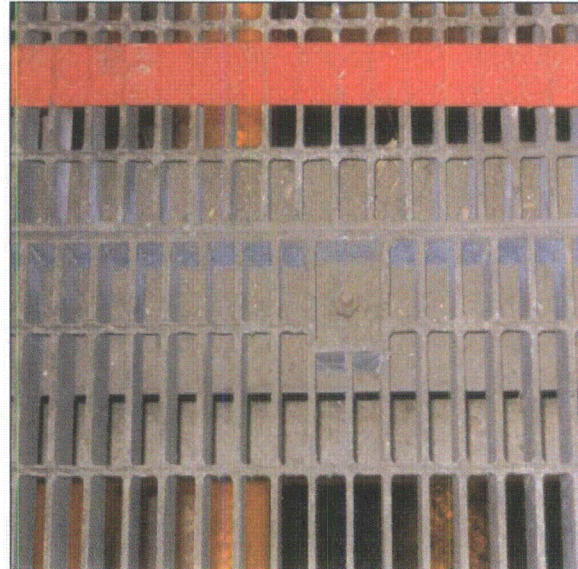
Note: Corrosion at the base of a Unistrut column



Note: Unistrut column which is beginning to tilt



Note: Pipe support stanchion showing considerable corrosion



Note: Grating forming the ceiling of the room is well secured to the support steel

ATTACHMENT 9.7**AREA WALK-BY CHECKLIST**

Sheet 1 of 3

Status: Y N U Area Walk-By Checklist (AWC) AWC-037Location: Bldg. DG Floor El. 38'-6" Room, Area¹ _____SWEL Components: SWEL1-032**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

Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Pump is in a pit with no HVAC or conduit raceways above.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area..

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-037

Location: Bldg. DG Floor El. 38'-6" Room, Area¹ _____

SWEL Components: SWEL1-032

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan  Date: 10/22/2012

Paul Huebsch  Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-037

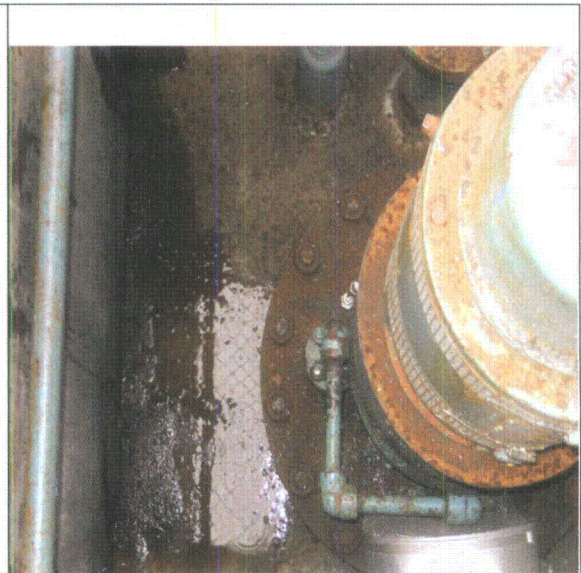
Location: Bldg. DG Floor El. 38'-6" Room, Area¹ _____

SWEL Components: SWEL1-032

Photographs



Note: F.O. Transfer Pump



Note: Another view of the pump.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

Status: Y N U

Area Walk-By Checklist (AWC) AWC-038

Location: Bldg. PP Floor El. 41'-0" Room, Area¹ _____

SWEL Components: 1-036, 037

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

Status: Y N U

Area Walk-By Checklist (AWC) AWC-038

Location: Bldg. PP Floor El. 41'-0" Room, Area¹ _____

SWEL Components: 1-036, 037

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area..

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

Status: Y N U

Area Walk-By Checklist (AWC) AWC-038

Location: Bldg. PP Floor El. 41'-0" Room, Area¹ _____

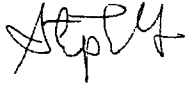
SWEL Components: 1-036, 037

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

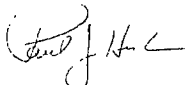
Comments (Additional pages may be added as necessary)

Evaluated by: Stephen Yuan



Date: 10/22/2012

Paul Huebsch



Date: 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

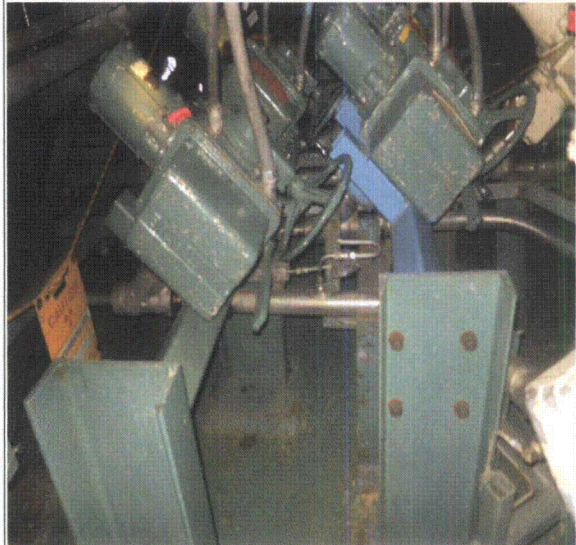
Status: Y N U

Area Walk-By Checklist (AWC) AWC-038

Location: Bldg. PP Floor El. 41'-0" Room, Area¹ _____

SWEL Components: 1-036, 037

Photographs

	
<p>Note: CH-MOV-441 AND 442</p>	<p>Note: .</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 3

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-039Location: Bldg. FB Floor El. 72'-0" Room, Area¹ _____SWEL Components: SWEL1-046**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 3

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-039

Location: Bldg. FB Floor El. 72'-0" Room, Area¹ _____

SWEL Components: SWEL1-046

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Ceiling light bulb at the southeast corner of the room needs to be replaced. This is documented in CR-IP3-2012-03497.

Evaluated by: Maggie Farah



Date: 10/24/12

Kai Lo



10/24/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 3

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-039

Location: Bldg. FB Floor El. 72'-0" Room, Area¹ _____

SWEL Components: SWEL1-046

Photographs

<p>Note: <i>no photos attached.</i></p>	<p>Note:</p>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-040Location: Bldg. ET Floor El. 46'-0" Room, Area¹ FAN ROOMSWEL Components: SWEL1-047

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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Overhead duct is well supported near the south wall. Therefore, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-040

Location: Bldg. ET Floor El. 46'-0" Room, Area¹ FAN ROOM

SWEL Components: SWEL1-047

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed two unrestrained ladders on the floor, one by the north wall and the other by the south wall (see attached photos). During a seismic event the ladders may act as missile and strike the fans.

Observed a piping plug that is resting on the floor near the uncover pipe (see attached photo). During a seismic event the plug may act as a missile and strike the Exhaust Fans. In addition, debris may enter the uncovered piping.

Observed an unrestrained broom stick on the north wall. During a seismic event the broom stick may act as a missile and strike the fans.

Observed a wheeled chair in the southeast corner of the room by the door. During a seismic event the chair may dislodge and strike the fans.

The above items are addressed in CR-IP3-2012-03498.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-040

Location: Bldg. ET Floor El. 46'-0" Room, Area¹ FAN ROOM

SWEL Components: SWEL1-047

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

Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

*Observed broken glass in the east corner of the room.
Observed bolts and nuts on the electrical box connected to the GAI-Tronics on the east wall by the door.
Flashing along the north wall is deteriorated, broken and missing.*

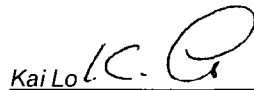
The above items are addressed in CR-IP3-2012-03498.

*Reference:
IP3 SWEL1-047*

Evaluated by: Maggie Farah



Date: 10/24/12



Kai Lo

10/24/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-040

Location: Bldg. ET Floor El. 46'-0" Room, Area¹ FAN ROOM

SWEL Components: SWEL1-047

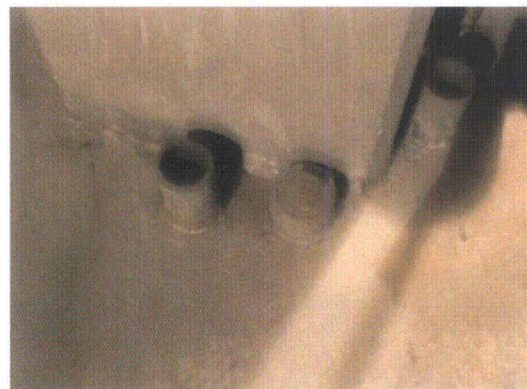
Photographs



Note: unrestrained ladder by the north wall.



Note: unrestrained ladder by the door at the south corner of the room.



Note: Loose plug and unplugged piping.



Note: unrestrained broom stick

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-040

Location: Bldg. ET Floor El. 46'-0" Room, Area¹ FAN ROOM

SWEL Components: SWEL1-047



Note: Broken flashing



Note: Missing flashing along the wall



Note: Broken glass in the east corner of the room.



Note: Bolts and nuts on top of electrical box for GAI-Tronics.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-041Location: Bldg. FSB Floor El. 41'-0" Room, Area¹ SPENT FUEL PIT PUMPSWEL Components: SWEL2-002, 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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Platform and hatch are well supported; therefore, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-041Location: Bldg. FSB Floor El. 41'-0" Room, Area¹ SPENT FUEL PIT PUMPSWEL Components: SWEL2-002, 003

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.

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

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

EN-DC-168 REV 0

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-041

Location: Bldg. FSB Floor El. 41'-0" Room, Area¹ SPENT FUEL PIT PUMP

SWEL Components: SWEL2-002, 003

Comments (Additional pages may be added as necessary)

Observed a drain line that does not reach the floor drain at SEPC-32PP. The drain line stops approximately 1 foot away from the floor drain. This is addressed in CR-IP3-2012-03497.

Observed a bare cable that is attached to a conduit and runs up to a higher elevation (see attached photos).

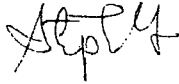
The following observations are housekeeping:

Plastic bottle sitting on a beam (see attached photo), waste bags on the floor (see attached photos) and light bulbs is out. These items are documented in CR-IP3-2012-03497.

References

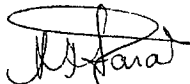
IP3 SWEL2-002 and 2-003

Evaluated by: Stephen Yuan



Date: 10/26/12

Maqqie Farah



10/26/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

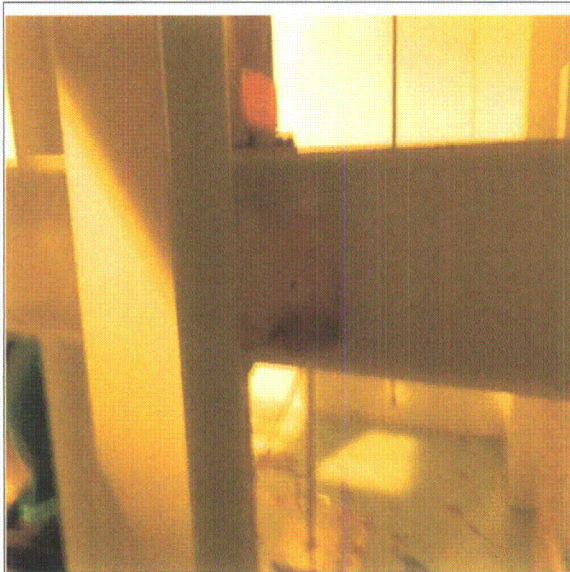
Status: Y N U

Area Walk-By Checklist (AWC) AWC-041

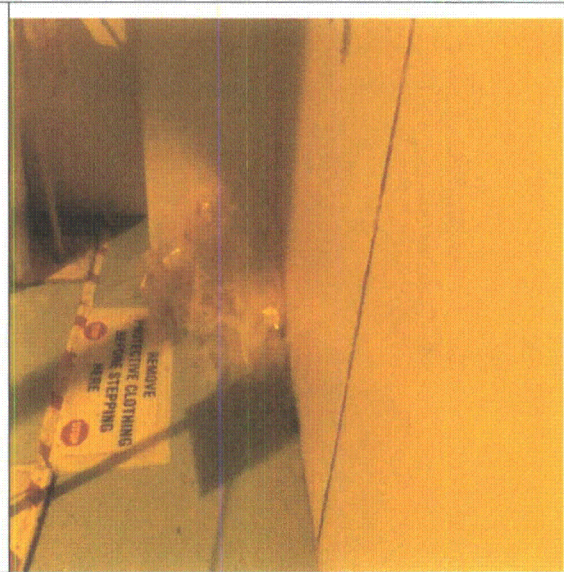
Location: Bldg. FSB Floor El. 41'-0" Room, Area¹ SPENT FUEL PIT PUMP

SWEL Components: SWEL2-002, 003

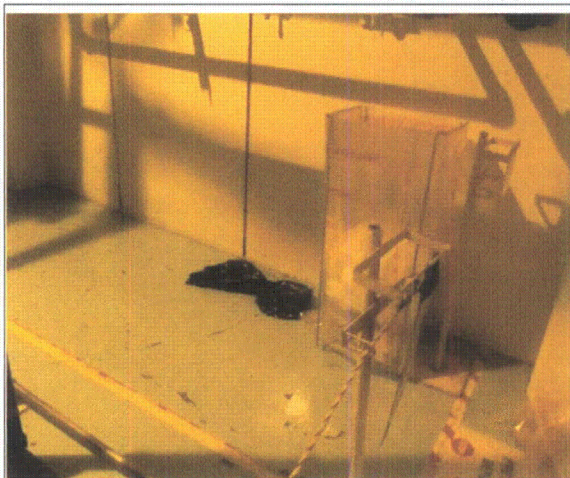
Photographs



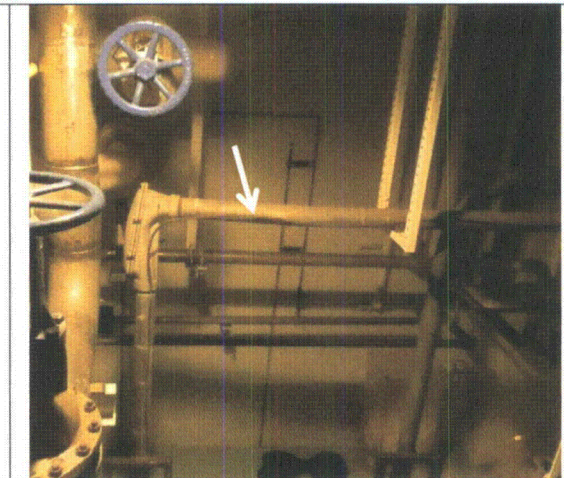
Note: bottle sitting on a beam



Note: waste bag on the floor



Note: waste bag on the floor



Note: bare wire attached to a conduit

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

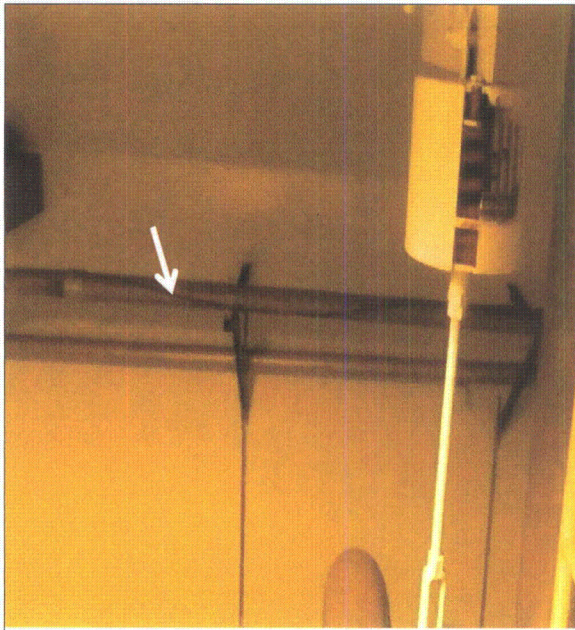
IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-041

Location: Bldg. FSB Floor El. 41'-0" Room, Area¹ SPENT FUEL PIT PUMP

SWEL Components: SWEL2-002, 003



Note: bare wire attached to a conduit

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-042Location: Bldg. FSB Floor El. 55'-0" Room, Area¹ _____SWEL Components: SWEL2-004**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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

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

Fluorescent light bulbs above the heat Spent Fuel Pit Heat Exchanger are not tied to the fixture. During a seismic event, the bulbs may become loose and strike the heat exchanger gages. This is documented in CR-IP3-2012-03497.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-042

Location: Bldg. FSB Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL2-004

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Observed the following:

- *Unrestrained waste bucket on top of a Boric Acid container east of the heat exchanger (see attached photo).*
- *Unrestrained ladders in a ladder rack (see attached photo)*
- *An unrestrained heater with wheels and a power supplier device on a wheeled cart north of the heat exchanger (see attached photo).*
- *Unrestrained cable and tools on top of the operations equipment cabinet at southwest end of the room (see attached photo).*

During a seismic event the aforementioned items may act as a missile and strike equipment. This is documented in CR IP3-2012-03497.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-042

Location: Bldg. FSB Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL2-004

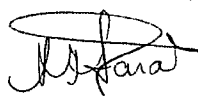
- 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U

Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

Observed several waste bags on the floor near the Sump Pump No. 312 just north of the heat exchanger (see attached photo). This is documented in CR-IP3-2012-03497.

Reference:
SWEL2-004

Evaluated by: Maggie Farah  Date: 10/25/12

Kai Lo  10/25/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-042

Location: Bldg. FSB Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL2-004

Photographs



Note: Waste bucket on top of a Boric Acid container



Note: Unrestrained ladders in a rack



Note: An unrestrained heater and power supplier device on a wheeled cart



Note: Unrestrained cable and tools on top of the operations equipment cabinet

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

IP3

Status: Y N U

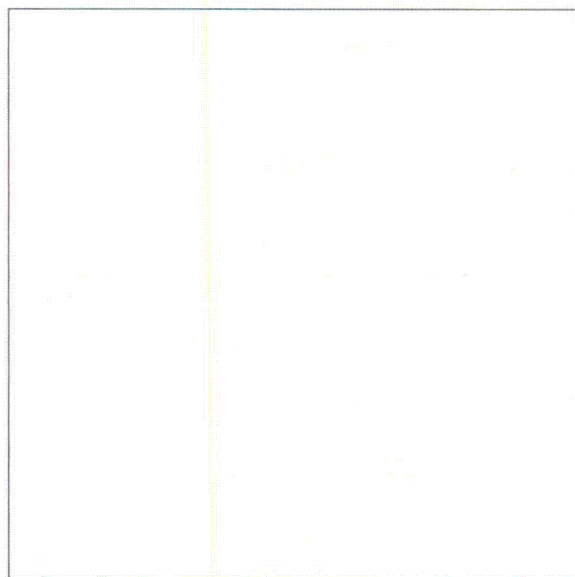
Area Walk-By Checklist (AWC) AWC-042

Location: Bldg. FSB Floor El. 55'-0" Room, Area¹ _____

SWEL Components: SWEL2-004



Note: waste bags on the floor



Note: no photo attached.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-043

Location: Bldg. FSB Floor El. 95'-0" Room, Area¹ _____

SWEL Components: SWEL2-005, 006, 007, 008, 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

Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.

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

Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.

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

Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.

¹ 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.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 4

IP3

Status: Y N U Area Walk-By Checklist (AWC) AWC-043Location: Bldg. FSB Floor El. 95'-0" Room, Area¹ _____SWEL Components: SWEL2-005, 006, 007, 008, 009

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

Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.

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

Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the 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

Fuel transfer loading is in process. Observed equipment and tools resting on the platforms. This is judged to be acceptable since the equipment and tools are being used as part of fuel transfer process and will likely to be removed after the fuel is transferred.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-043

Location: Bldg. FSB Floor El. 95'-0" Room, Area¹ _____

SWEL Components: SWEL2-005, 006, 007, 008, 009

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

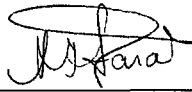
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.

Comments (Additional pages may be added as necessary)

References:

IP3 SWEL2-005, 2-006, 2-007, 2-008, 2-009

Evaluated by: Maggie Farah



Date: 10/25/12

Kai Lo



10/25/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3

Status: Y N U

Area Walk-By Checklist (AWC) AWC-043

Location: Bldg. FSB Floor El. 95'-0" Room, Area¹ _____

SWEL Components: SWEL2-005, 006, 007, 008, 009

Photographs

<p>Note: <i>no photos attached.</i></p>	<p>Note:</p>