

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-1g Floor El. 574 Bldg. AX

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
X			

Anchorage of components in a high radiation contaminated area was examined visually from a distance of ~10 ft and no adverse conditions were identified.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts and piping in the area were identified to be rigidly supported.

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
X			

Related equipment on SWEL for this area:

- 1E21N0050
- 1E22N0005
- 1E51N0055A
- 1G43N0060A
- 1G43N0060B

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-1g Floor El. 574 Bldg. AX

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Barrier and welding machine adequately restrained. Temporary scaffolding in area judged to be adequately restrained

Y	N	U	N/A
X			

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

Attached 4 inch diameter lines to sump pumps are rod hung, creating the potential for high nozzle loads. This is judged to be OK as the sump pumps are not Category I and the lines do not have the potential to flood Category I components.

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



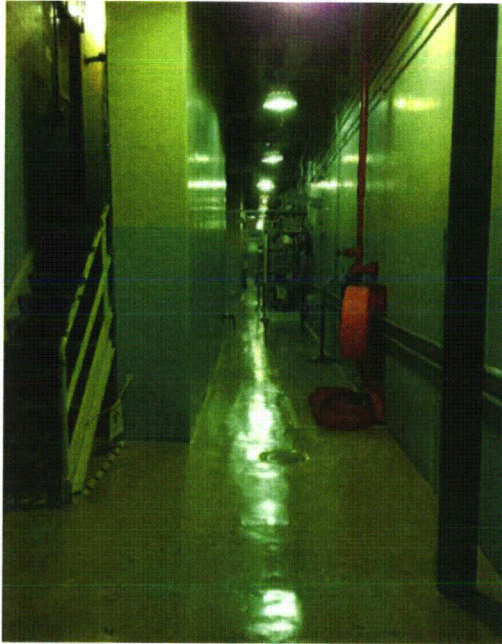
Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-1g Floor El. 574 Bldg. AX

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-18.jpeg
Description: General view north hallway



File Name: 1-65-3-1-18.jpeg
Description: View of temporary equipment restrained

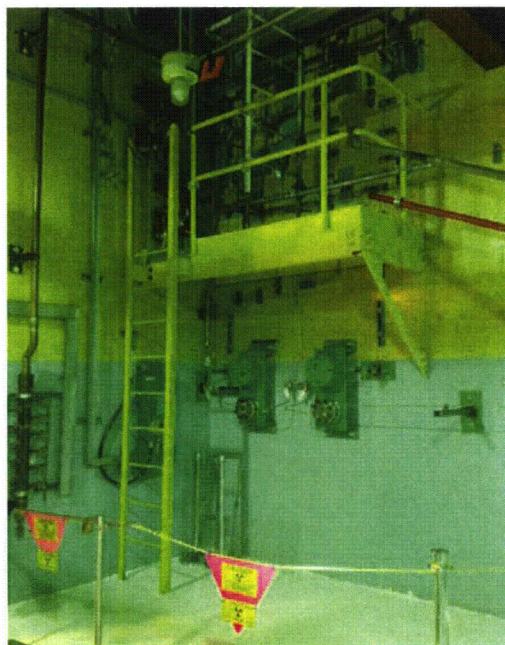
Status: N U

Area Walk-By Checklist (AWC)

Area 1AB-1g Floor El. 574 Bldg. AX



File Name: 1-66-3-1-18.jpeg
Description: General view west hallway



File Name: 1-67-3-1-18.jpeg
Description: Inaccessible high radiation contaminated area where anchorage was checked from ~10 ft

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-1g Floor El. 574 Bldg. AX



File Name: 1-68-3-1-18.jpeg
Description: Rod Hung Sump Pump Piping

Status: Y U

Area Walk-By Checklist (AWC)

Area 1AB-2 West Floor El. 599 Bldg. AX

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
X			

TB Chillers 1P46-B001A and 1P46-B001B are very large double stack chillers anchored with only four 3/4" anchor bolts on a ~16" wide x ~6" high pedestal. These chillers are not category I and anchorage may not be adequate for seismic loading. Judged acceptable because the chillers have a limited water supply and would not impact or flood any CAT-1 components if they should fail.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

Anchorage for TB chillers identified with significant corrosion. This is judged to be acceptable, as described in comments for Question 1.

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
X			

Cable trays in the area were identified to be rigidly supported.

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
X			

Related equipment on SWEL for this area:
1H51P0037

Status: Y U

Area Walk-By Checklist (AWC)

Area IAB-2 West Floor El. 599 Bldg. AX

Interaction Effects

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

Fire protection piping is a combination of welded and victaulic type with adequate lateral support systems. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: TBCC Lubricating Oil and Hydraulic Fluid. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Scaffold staging area is adjacent to CAT-1 panel 1H51P0037. Potential for equipment or pieces of scaffold to slide into panel. CR 2012-12375 generated to document this situation.

Y	N	U	N/A
	X		

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area 1AB-2 West Floor El. 599 Bldg. AX

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-20.jpeg
Description: View of scaffold staging area

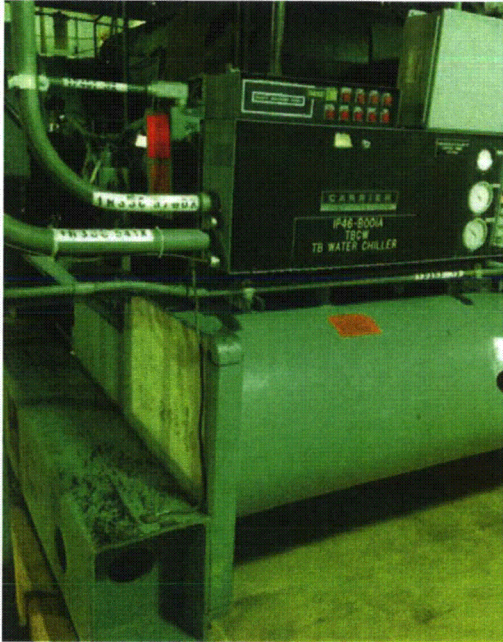


File Name: 1-66-3-1-20.jpeg
Description: View of scaffold staging area

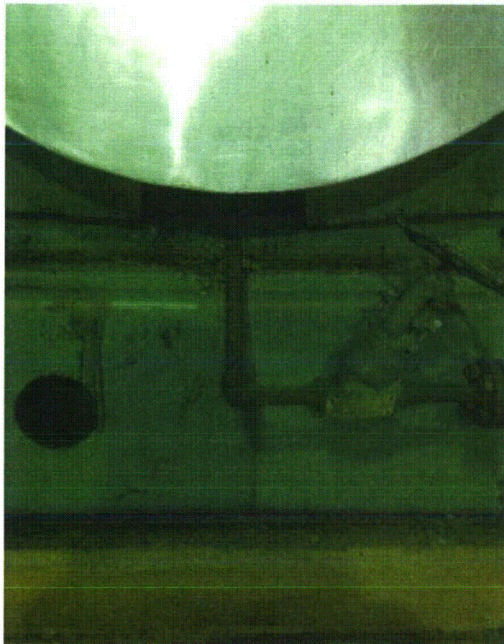
Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area 1AB-2 West Floor El. 599 Bldg. AX



File Name: 1-67-3-1-20.jpeg
Description: View of IP46B001A water chiller in the area



File Name: 1-70-3-1-20.jpeg
Description: View of corroded pipe in IP46B001A

Status: Y Ⓝ U

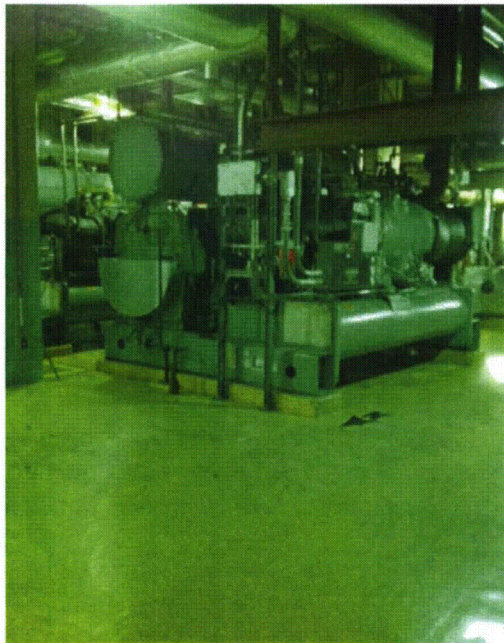
Area Walk-By Checklist (AWC)

Area 1AB-2 West Floor El. 599 Bldg. AX



File Name: 1-71-3-1-20.jpeg

Description: View of corroded bolt located north east end of 1P46B001B



File Name: 1-77-3-1-20.jpeg

Description: General view of chillers

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-2 East Floor El. 599 Bldg. AX

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

Anchorage for two CAT-2 chillers in area were identified with significant corrosion. This is judged to be acceptable because the chillers have a limited water supply and would not impact or flood any CAT-1 components if they should fail.

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
X			

Overhead piping found to have adequate restraints.

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
X			

Related equipment on SWEL for this area:
1H51P0975

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-2 East Floor El. 599 Bldg. AX

Interaction Effects

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

Fire protection piping is rigidly supported. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Temporary scaffolding found to be well braced.

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



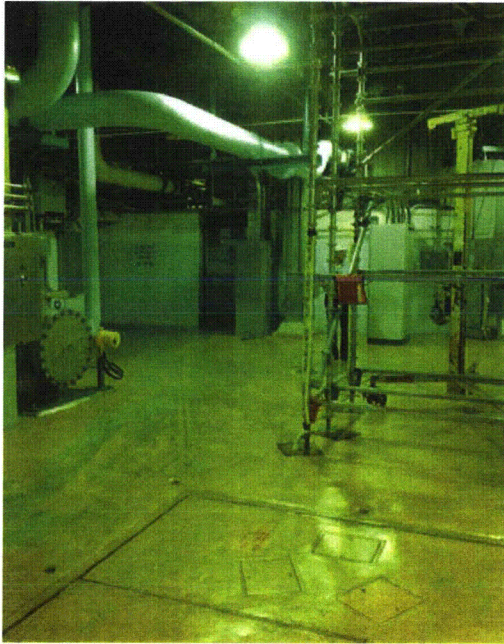
Brian A. Lucarelli Date: 8/26/2012

Status:

Area Walk-By Checklist (AWC)

Area 1AB-2 East Floor El. 599 Bldg. AX

Other supporting or relevant documents and photos (if any):



File Name: 1-72-3-1-20.jpeg
Description: General view

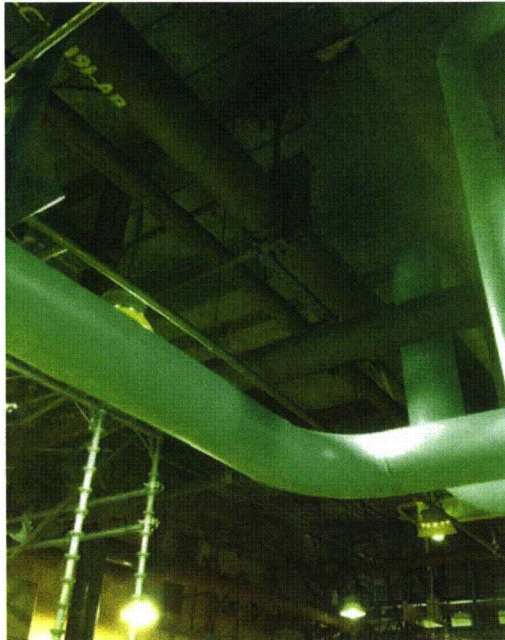


File Name: 1-74-3-1-20.jpeg
Description: General view

Status: N U

Area Walk-By Checklist (AWC)

Area 1AB-2 East Floor El. 599 Bldg. AX



File Name: 1-76-3-1-20.jpeg
Description: View of overhead piping restraints

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-3a Floor El. 620 Bldg. AX

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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)?
HVAC ducts in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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)?
Space heaters are rod hung and their attached piping is also rod hung with adequate flexibility. Judged OK.

Y	N	U	N/A
X			

Related equipment on SWEL for this area:
1P57F0015B

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-3a Floor El. 620 Bldg. AX

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Oily trash drum is not restrained, but the lid is tight. Judged not to create potential interaction. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Tool and equipment carts in area have wheels chocked. Ladders are tied or clamped

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



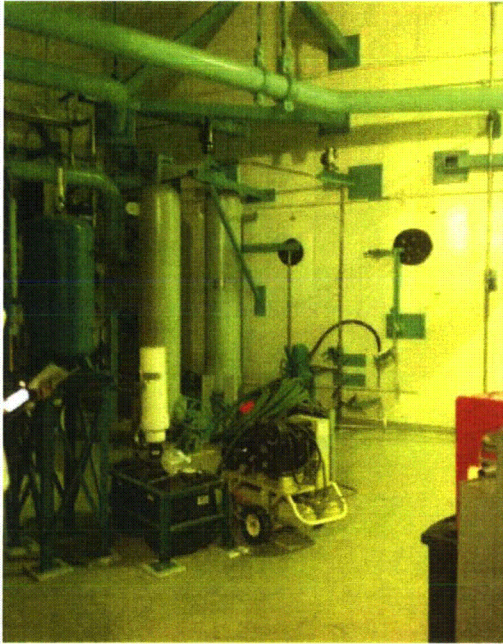
Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1AB-3a Floor El. 620 Bldg. AX

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-15.jpeg
Description: General view



File Name: 1-60-2-1-15.jpeg
Description: View of HVAC support

Status: Y **Ⓝ** U

Area Walk-By Checklist (AWC)

Area ICC-3a Floor El. 620 Bldg. CC

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
X			

Cabinet 1R24-S0023 welded to shims rather than to embeds. SQ-0178 for ECP 02-0184 rev 0 and all referenced Design Inputs confirms this is consistent with licensing basis.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts and cable trays in the area were identified to be rigidly supported.

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
	X		

An unrestrained tool storage locker was found near components. CR 2012-12222 generated to document this situation, and the cabinet was subsequently moved. Most fluorescent lights have compression fittings. A row of twist-in style lights was observed, but it was judged to be unlikely to impact any components. Trolleys on top of switchgear were observed to be unrestrained. These trolleys were positioned in the center of the switchgear, consistent with IPEEE resolution of the issue.

Related equipment on SWEL for this area:

- 1H51P0871
- 1R22S0006-E04
- 1R23S0012
- 1R24S0028
- 1R25S0018
- 1R25S0020

Status: Y U

Area Walk-By Checklist (AWC)

Area ICC-3a Floor El. 620 Bldg. CC

Interaction Effects

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
X			

A fire protection valve near components was observed to be adequately supported. Fire protection piping throughout room is CO2. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

Workbench near 1R24-S028 has wheels locked

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area ICC-3a Floor El. 620 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-06.jpeg
Description: General view of room



File Name: 1-65-1-1-06.jpeg
Description: Fire protection valve well supported

Status: Y $\text{\textcircled{N}}$ U

Area Walk-By Checklist (AWC)

Area ICC-3a Floor El. 620 Bldg. CC



File Name: 1-68-1-1-06.jpeg
Description: View of MCC EF1C07 anchorage (1R24-S0023)



File Name: 1-69-1-1-06.jpeg
Description: Tool locker not restrained behind bus/breakers

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area 1CC-3a Floor El. 620 Bldg. CC



File Name: 1-71-1-1-06.jpeg
Description: View of trolley on top of Cabinet



File Name: 1-72-1-1-06.jpeg
Description: View of area where tool locker was located

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area ICC-3a Floor El. 620 Bldg. CC



File Name: 1-74-1-1-06.jpeg
Description: View of trolley on top of Cabinet



File Name: 1-75-1-1-06.jpeg
Description: View of single row of fluorescent lights

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1CC-3b Floor El. 620 Bldg. CC

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
X			

Cabinet 1R24-S0029 welded to shims rather than to embeds. SQ-0178 for ECP 02-0184 rev 0 and all referenced Design Inputs confirms this is consistent with licensing basis.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Cable trays in the area were identified to be rigidly supported.

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
X			

Fluorescent lights appear to have compression fittings, thus judged acceptable for seismic motion.

Related equipment on SWEL for this area:

- 0R42S0011
- 1E22S0005
- 1H51P0872
- 1R22S0009
- 1R25S0022

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-3b Floor El. 620 Bldg. CC

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Eyewash station anchored to floor. Stepstool noted in area, but judged not to be a concern.

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area 1CC-3b Floor El. 620 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-06.jpeg
Description: General view of room



File Name: 1-60-2-1-06.jpeg
Description: General view of room



File Name: 1-65-2-1-06.jpeg
Description: View of 1R24-S0029 welded shims

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC

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
X			

Cabinets 1R24-S0021, 1R21-S0019, and 0R24-S0035 are welded to shims rather than to embeds. SQ-0178 for ECP 02-0184 rev 0 and all referenced Design Inputs confirms this is consistent with licensing basis.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts and cable trays in the area were identified to be rigidly supported.

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
X			

Fluorescent lights appear to have compression fittings, thus judged acceptable for seismic motion. A single row of flourescent lights was observed with twist-in fittings, but this row was judged not to have any credible impact targets as it was more than ~4' from components. Trolleys on top of switchgear were observed to be unrestrained. These trolleys were positioned in the center of the switchgear, consistent with IPEEE resolution of the issue.

Related equipment on SWEL for this area:

- 0R24S0020
- 1R22S0007
- 1R25S0014
- 1R25S0016
- 1R25S0025
- 1R25S0033

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC

Interaction Effects

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

Fire protection valve located ~10 ft from regulating transformer judged to be adequately supported. Fire protection is well supported CO2 piping. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

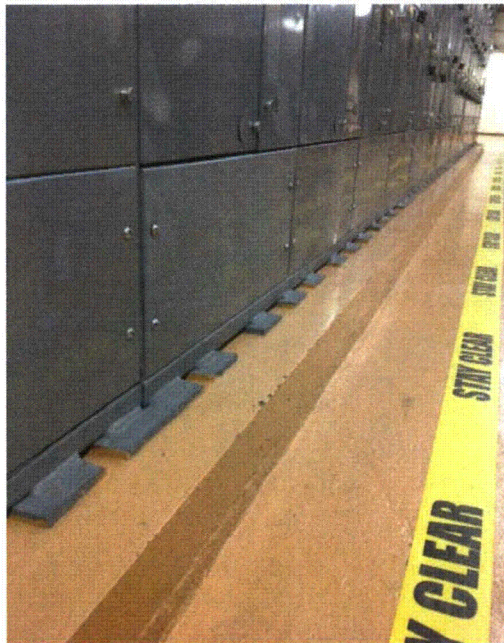
Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-06.jpeg
Description: General view of room

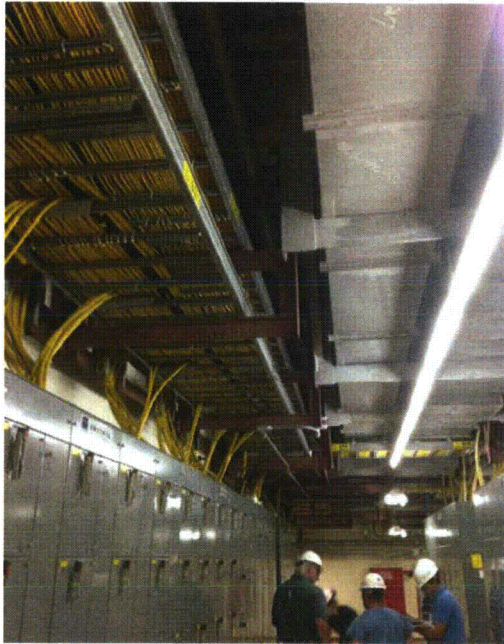


File Name: 1-60-3-1-06.jpeg
Description: View of 1R24-S0021 welded to shims

Status: N U

Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC



File Name: 1-65-3-1-06.jpeg
Description: View of supports for cable trays



File Name: 1-67-3-1-06.jpeg
Description: Fire protection valve near transformer judged to be adequately supported

Status:

Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC



File Name: 1-69-3-1-06.jpeg
Description: Welded shims for 1R21-S0019



File Name: 1-70-3-1-06.jpeg
Description: Welded shims for 0R24-S0035

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-3c Floor El. 620 Bldg. CC



File Name: 1-71-3-1-06.jpeg
Description: View of trolley on top of Cabinet



File Name: 1-72-3-1-06.jpeg
Description: View of single row of fluorescent lights

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4b Floor El. 620 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Cable trays identified to be rigidly supported.

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
X			

Overhead grating is adequately restrained.

Related equipment on SWEL for this area:
1G41F0145

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4b Floor El. 620 Bldg. IB

Interaction Effects

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
X			

Fire protection piping is 1/4" diameter and hung to I beams with friction clamps. This is judged to be OK due to the low demand, small diameter pipe, and no equipment in the area vulnerable to spray. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

An unrestrained table was identified in the area but judged not to be significant.

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area ICC-4b Floor El. 620 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-16.jpeg
Description: General view of room



File Name: 1-60-2-1-16.jpeg
Description: Friction clip on fire protection piping

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4b Floor El. 620 Bldg. IB



File Name: 1-65-2-1-16.jpeg
Description: View of fire protection piping and overhead grating



File Name: 1-66-2-1-16.jpeg
Description: Potential impact from table judged not to be significant

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4c Floor El. 638 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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)?
Cable trays and HVAC in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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)?
*Fluorescent lights are rod hung and have compression fittings, thus judged acceptable for seismic motion.
Trolley on top of cabinet was positioned on center of cabinet consistent with IPEEE resolution of the issue and judged not to be a concern.*

Y	N	U	N/A
X			

Related equipment on SWEL for this area:
1R42S0008
1R42S0013
1R42S0014
1R42S0038

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4c Floor El. 638 Bldg. CC

Interaction Effects

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

Fire protection is well-supported CO2 piping. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area ICC-4c Floor El. 638 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-02.jpeg
Description: General view of room

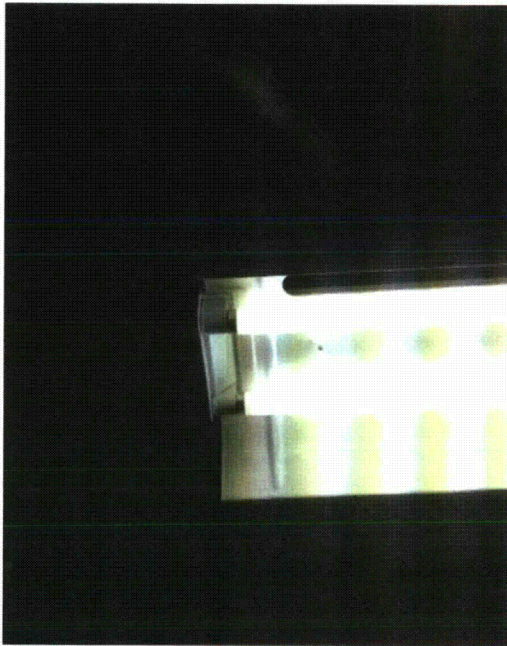


File Name: 1-60-1-1-02.jpeg
Description: Rigid support cable tray and HVAC

Status: N U

Area Walk-By Checklist (AWC)

Area ICC-4c Floor El. 638 Bldg. CC



File Name: 1-65-1-1-02.jpeg
Description: View of compression fitting on fluorescent light



File Name: 1-66-1-1-02.jpeg
Description: View of trolley on top of Cabinet

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4g Floor El. 638 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC and raceways in the area were identified to be rigidly supported.

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
X			

Fluorescent lights have compression fittings, thus judged acceptable for seismic motion. The trolley on top of component is not locked in place, but is stored at the center of the component, consistent with the IPEEE resolution of the issue.

Related equipment on SWEL for this area:

1R42S0012

1R42S0024

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4g Floor El. 638 Bldg. CC

Interaction Effects

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

Fire protection is CO2 piping. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

Area Walk-By Checklist (AWC)

Area ICC-4g Floor El. 638 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-02.jpeg
Description: General view of room



File Name: 1-60-3-1-02.jpeg
Description: View of trolley on top of Cabinet

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4h Floor El. 638 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts in the area were identified to be rigidly supported.

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
X			

Lighting in the area identified with protective cover

Related equipment on SWEL for this area:
1R42S0002

Status: N U

Area Walk-By Checklist (AWC)

Area ICC-4h Floor El. 638 Bldg. CC

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Eyewash station identified to be bolted to floor

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Area Walk-By Checklist (AWC)

Area ICC-4h Floor El. 638 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-4-1-02.jpeg
Description: General view of room



File Name: 1-60-4-1-02.jpeg
Description: Protective light cover

Status: Y **Ⓝ** U

Area Walk-By Checklist (AWC)

Area ICC-5a Floor El. 654 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

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
	X		

Ceiling grates were not tied off to main runners. An enhancement condition report (CR 2012-12335) was written to identify an opportunity to improve the standard by tie wrapping the egg crate tiles together.

Related equipment on SWEL for this area:
1C22P0001
1H13P0701

Status: Y U

Area Walk-By Checklist (AWC)

Area ICC-5a Floor El. 654 Bldg. CC

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Various control room furniture were located in the vicinity of cabinets. The control room staff was notified and this issue is covered by CR-2012-12331.

Y	N	U	N/A
	X		


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
X		

Comments (Additional pages may be added as necessary)

Walkdown of Control Room on 8/10/12 by M. Alvi and J. Reddington as peer reviewers to validate findings earlier walked down by walkdown team. Reference Calc # 2:13.8

1. Panels C22-P001 and P002: Drawing racks are located next to these panels. These panels have no sensitive relays, therefore no seismic II/I concern.
2. Panels H13-P881 and P882: Drawing racks located next to these panels. Per the referenced calc, there are no sensitive relays in the panels.
3. Panel H13-P871: These panels are seismically sensitive. Nothing stored in the vicinity.
4. Panel H13-P867 Relay Panel: Desk/podium stored next to this panel. Panel is not seismically sensitive.
5. Panel H13-P872: Table stored next to this panel. CR-2012-12331 written to document this concern.

Evaluated by:  Date: 8/26/2012

 Date: 8/26/2012

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area ICC-5a Floor El. 654 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-03.jpeg
Description: Supply locker not anchored



File Name: 1-60-1-1-03.jpeg
Description: Ceiling tiles not anchored

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area ICC-5a Floor El. 654 Bldg. CC



File Name: 1-65-1-1-03.jpeg
Description: Desks adjacent to reactivity control cabinets



File Name: 1-68-1-1-03.jpeg
Description: Table not restrained

Status: Y Ⓝ U

Area Walk-By Checklist (AWC)

Area ICC-5a Floor El. 654 Bldg. CC



File Name: 1-67-1-1-03.jpeg
Description: Cabinet not anchored

Status: Y N U

Area Walk-By Checklist (AWC)

Area IDG-1a Floor El. 620 Bldg. DG

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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)?
Cable trays in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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
X			

Related equipment on SWEL for this area:

- 1M43C0002B
- 1M43F0220B
- 1R43S0001B
- 1R45C0002B
- 1R46B0002B

Status: Y N U

Area Walk-By Checklist (AWC)

Area IDG-1a Floor El. 620 Bldg. DG

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: DG Diesel Fuel and DG Lubricating Oil. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



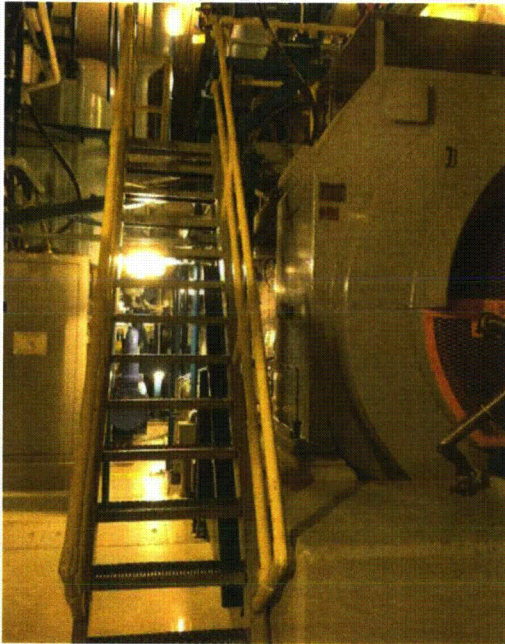
 Brian A. Lucarelli Date: 8/26/2012

Status: V N U

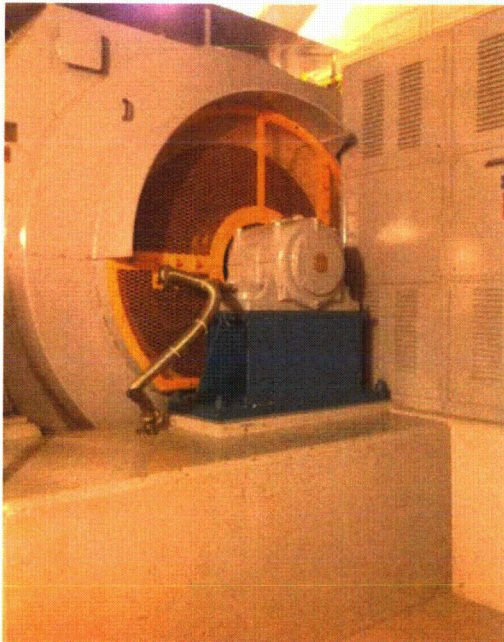
Area Walk-By Checklist (AWC)

Area 1DG-1a Floor El. 620 Bldg. DG

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-08.jpeg
Description: General view



File Name: 1-60-3-1-08.jpeg
Description: General view

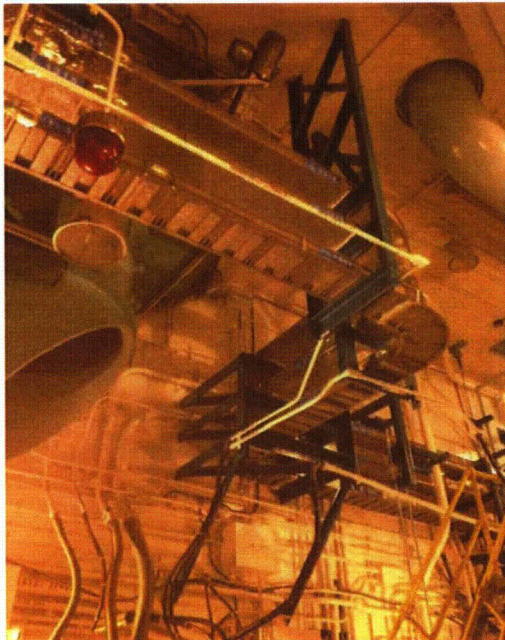
Status: N U

Area Walk-By Checklist (AWC)

Area 1DG-1a Floor El. 620 Bldg. DG



File Name: 1-65-3-1-08.jpeg
Description: General view



File Name: 1-66-3-1-08.jpeg
Description: Rigid supports for cable trays

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1b Floor El. 620 Bldg. DG

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

All items in area are rigidly supported.

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
X			

Overhead crane in the area observed to be positioned away from components.

Related equipment on SWEL for this area:

- 1E22B5003
- 1E22S0001
- 1H51P1421
- 1R42S0037

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1b Floor El. 620 Bldg. DG

Interaction Effects

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

Fire protection is CO2 piping. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: DG Diesel Fuel and DG Lubricating Oil. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

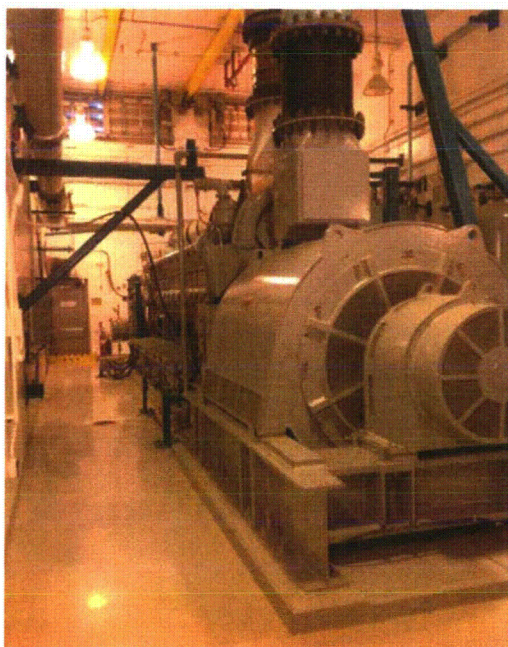
Area Walk-By Checklist (AWC)

Area 1DG-1b Floor El. 620 Bldg. DG

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-08.jpeg
Description: General view of room



File Name: 1-60-2-1-08.jpeg
Description: General view of room

Status: N U

Area Walk-By Checklist (AWC)

Area 1DG-1b Floor El. 620 Bldg. DG



File Name: 1-65-2-1-08.jpeg
Description: Crane away from components

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1c Floor El. 620 Bldg. DG

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
X			

Space heater observed to be crooked, judged not to be a concern

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Raceways in the area were identified to be rigidly supported.

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
X			

Related equipment on SWEL for this area:

- 1M43C0001A
- 1M43F0030A
- 1R45A0003A
- 1R45C0003A
- 1R45N0140A
- 1R46B0001A

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1c Floor El. 620 Bldg. DG

Interaction Effects

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

Fire protection is rigidly supported CO2 piping. No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: DG Diesel Fuel and DG Lubricating Oil. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



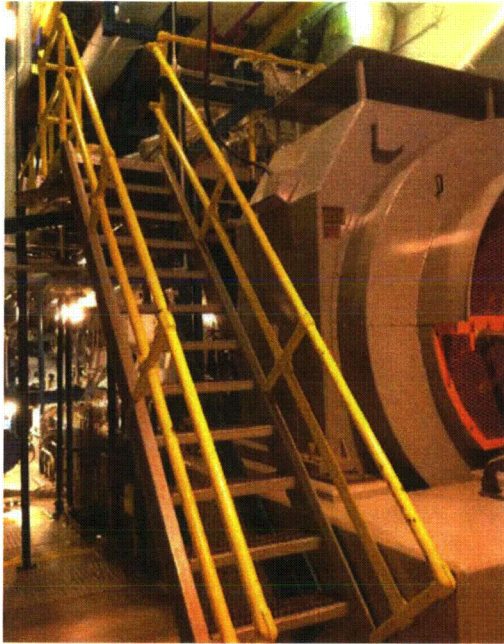
Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1c Floor El. 620 Bldg. DG

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-08.jpeg
Description: General view of room



File Name: 1-60-1-1-08.jpeg
Description: General view of room

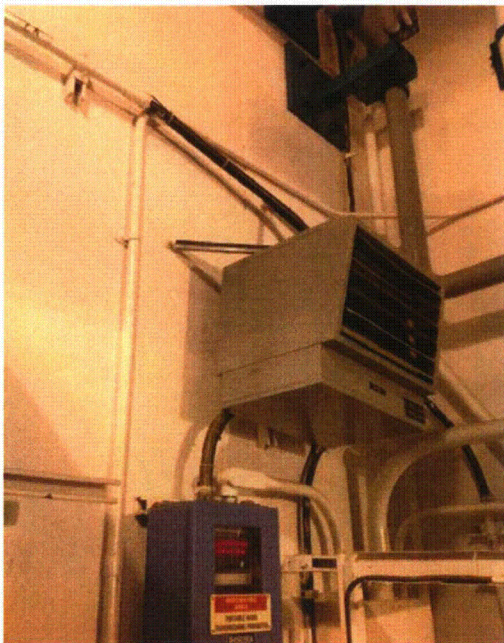
Status: N U

Area Walk-By Checklist (AWC)

Area 1DG-1c Floor El. 620 Bldg. DG



File Name: 1-65-1-1-08.jpeg
Description: View of crooked heater. Not a concern for operability.



File Name: 1-66-1-1-08.jpeg
Description: View of heater anchorage

Status: Y N U

Area Walk-By Checklist (AWC)

Area 1DG-1c Floor El. 620 Bldg. DG



File Name: 1-67-1-1-08.jpeg
Description: General view of top of generator

Status: Y N U

Area Walk-By Checklist (AWC)

Area 2CC-3a Floor El. 620 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Cable trays in the area were identified to be rigidly supported.

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
X			

Fluorescent lights have compression fittings, thus judged acceptable for seismic motion.

Related equipment on SWEL for this area:
2R42S0037

Status: Y N U

Area Walk-By Checklist (AWC)

Area 2CC-3a Floor El. 620 Bldg. CC

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Eyewash station anchored

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area 2CC-3a Floor El. 620 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-07.jpeg
Description: General view

Status: Y N U

Area Walk-By Checklist (AWC)

Area 2CC-6a Floor El. 679 Bldg. CC

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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)?
HVAC ducts in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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
X			

Related equipment on SWEL for this area:
0M23C0001A
0M23C0002A
0M23F0100A

Status: Y N U

Area Walk-By Checklist (AWC)

Area 2CC-6a Floor El. 679 Bldg. CC

Interaction Effects

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
X			

Potential Flood Source in the Area: Control Complex Chilled Water Expansion Tank (0P47A0002A). Fire protection piping judged not to be a concern. Piping is welded and rod hung but dry throughout room except where it enters. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

Ladders in area were found to be properly tied off

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area 2CC-6a Floor El. 679 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-04.jpeg
Description: General view

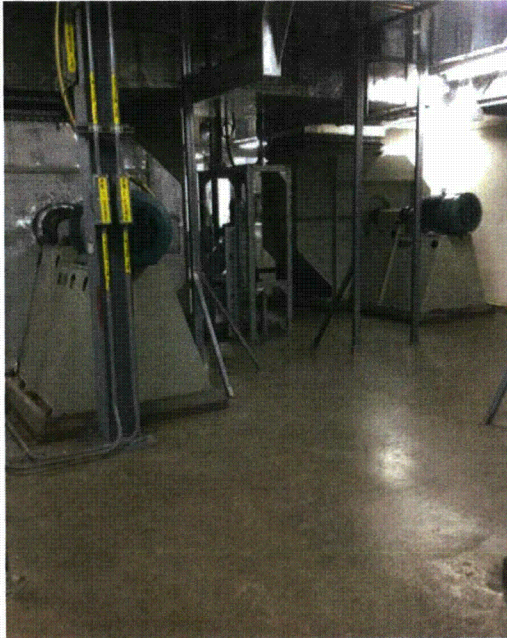


File Name: 1-60-1-1-04.jpeg
Description: General view

Status: N U

Area Walk-By Checklist (AWC)

Area 2CC-6a Floor El. 679 Bldg. CC



File Name: 1-65-1-1-04.jpeg
Description: General view

Status: Y N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC

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
X			

Two unanchored instrument air dryers identified near air receivers. A subsequent walkdown was performed and it was confirmed that there is no safety related equipment/component located in the near vicinity of this rack as well as no seismic II/I concern.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts and raceways in the area were identified to be rigidly supported. Welded ECC piping observed to have adequate lateral and longitudinal supports.

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
X			

Related equipment on SWEL for this area:

- 0H51P0039
- 0H51P0193
- 0H51P0318
- 0P47B0001A
- 0P47C0001A
- 1P42B0001B
- 1P42C0001B
- 1P42F0665A
- 1P42F0665B

Status: Y N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC

Interaction Effects

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
X			

Potential Flood Sources in the Area: Sewage Ejectors (0P66A5001A and 0P66A5001B), Electrical Hot Water Heater (0P71A0003), and CC Chilled Water Storage Tanks (0P47A5006A, 0P47A5006B, and 0P47A5006C). Fire protection piping ranges from 1" to 4" diameter and is primarily rod hung, potential to interact with other overhead piping. Branch pipes are supported by rod hangers that utilize friction clips. Fire protection piping is victaulic coupling type 77 (grooved connection) and judged OK. Configuration judged to be acceptable based on previous seismic evaluations shown in 36-series calculations. No concerns identified regarding flood sources.

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
X			

Potential Fire Sources in the Area: CCW Water Chiller Lubrication and P51/P52 Air Compressor Oil. No concerns identified regarding fire sources.

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
X			

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
X		

*Cast iron pipes were identified with tags reading Seismic Violation. After walkdown proceedings, it was confirmed that these tags relate back to a seismic walkdown from the past that identified issues and design engineering resolved issues. No further action was required.
1" to 3" diameters piping to water heater P71-A003 is rod hung. Judged OK as it is non-seismic and potential flooding would not impact equipment.
6 inch diameter cast iron sewage piping observed to be supported by long rod hangers. Judged OK as the piping is non-seismic and potential flooding would not impact Category I equipment.*

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



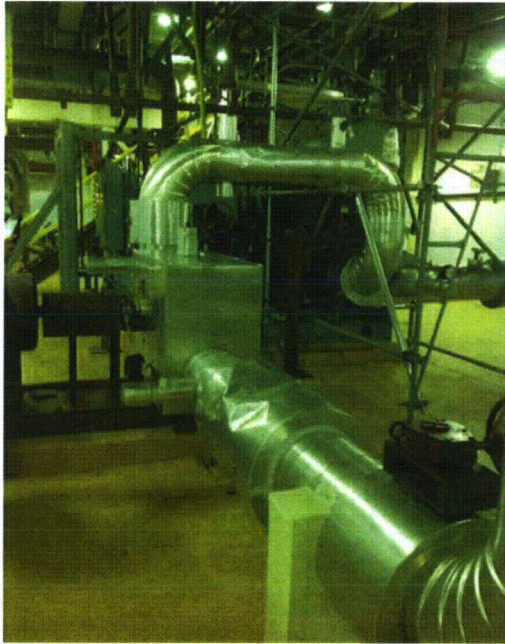
Brian A. Lucarelli Date: 8/26/2012

Status:

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-01.jpeg
Description: General view of room

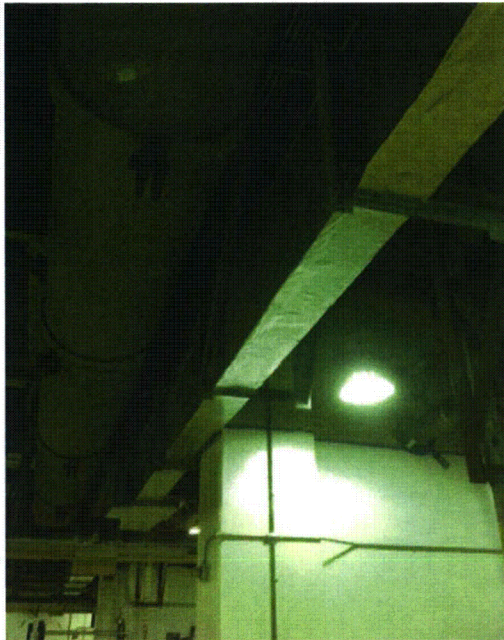


File Name: 1-60-1-1-01.jpeg
Description: General view of room

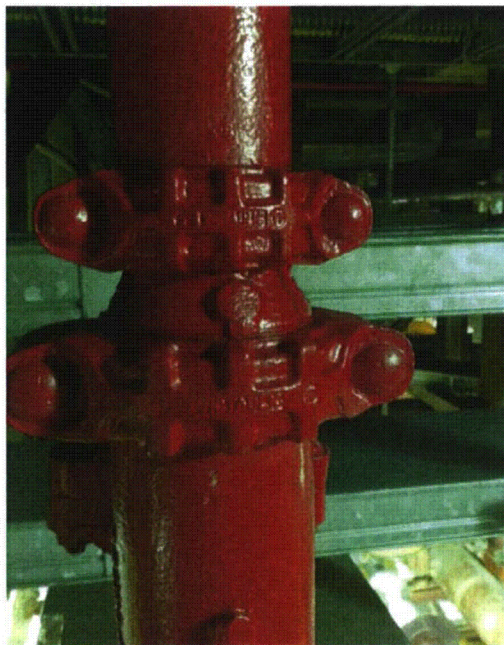
Status: N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC



File Name: 1-65-1-1-01.jpeg
Description: HVAC rigidly supported



File Name: 1-66-1-1-01.jpeg
Description: Victaulic fire protection piping

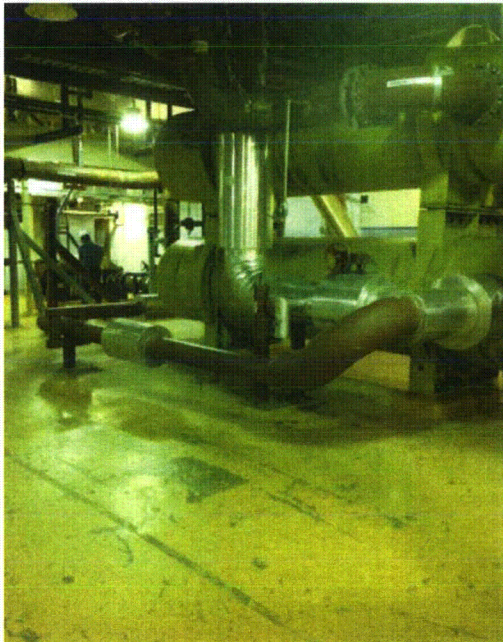
Status: Y N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC



File Name: 1-67-1-1-01.jpeg
Description: Rod hung fire protection piping



File Name: 1-70-1-1-01.jpeg
Description: General view of B area

Status: N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC



File Name: 1-71-1-1-01.jpeg
Description: Cast iron pipe

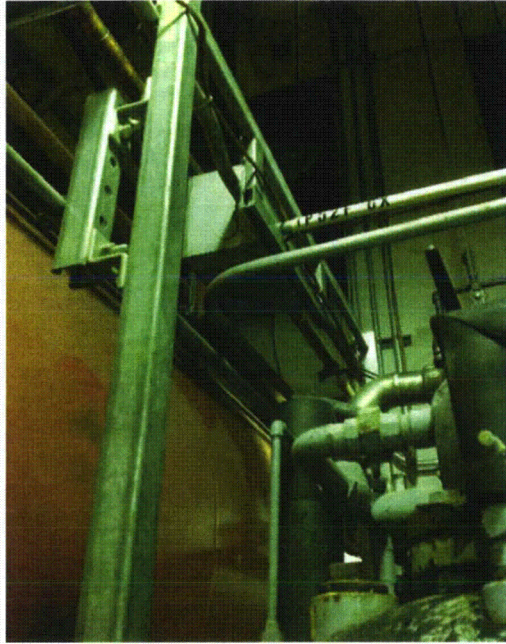


File Name: 1-74-1-1-01.jpeg
Description: Air dryer rack (1P52-D003B) missing anchorage (similar issue 1P52-D003A)

Status: N U

Area Walk-By Checklist (AWC)

Area CC-1 Floor El. 586 Bldg. CC



File Name: 1-75-1-1-01.jpeg
Description: Anchorage for air dryer racks (at top)

Status: Y N U

Area Walk-By Checklist (AWC)

Area CO-620 Floor El. 620 Bldg. CO

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?
Corrosion on anchors identified in instrument racks base. Judged not to be a concern for operability or seismic issues.

Y	N	U	N/A
X			

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)?
HVAC ducts in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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)?
Small nut securing floor grating found not fully tightened. Judged not to be significant as 8 other fully tightened nuts are present at that interface.

Y	N	U	N/A
X			

Related equipment on SWEL for this area:
1B21N0067C
1B21N0073C

Status: Y N U

Area Walk-By Checklist (AWC)

Area CO-620 Floor El. 620 Bldg. CO

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Scaffolding in area judged to be adequately supported.

Y	N	U	N/A
X			

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

Some small diameter piping observed that crosses over to drywell wall support. This piping was judged to have adequate flexibility to accommodate the very small seismic anchor movement loads expected at El. 620.

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: V N U

Area Walk-By Checklist (AWC)

Area CO-620 Floor El. 620 Bldg. CO

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-13.jpeg
Description: General view

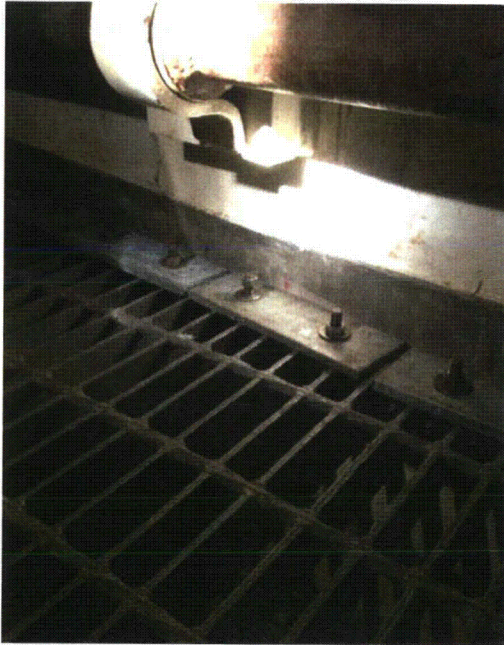


File Name: 1-65-1-1-13.jpeg
Description: Corrosion in instrument rack anchorage

Status: Y N U

Area Walk-By Checklist (AWC)

Area CO-620 Floor El. 620 Bldg. CO



File Name: 1-66-1-1-13.jpeg
Description: Loose nut for securing grating.



File Name: 1-71-1-1-13.jpeg
Description: Mild corrosion identified in anchorage

Status: N U

Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

*Strut channel that anchors 1/2" diameter pipe is corroded. This is judged as OK since other supports for this tubing are adequate and the span lengths are short if the corroded strut is ignored.
Slightly corroded anchors found on a wall support for a 1/2" diameter pipe. Judged OK due to small demand loads.*

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
X			

Ductwork in the area identified to be rigidly supported.

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
X			

Drip tray observed over pump and MOV in this area. Tray is attached to overhead pipe and judged OK.

- Related equipment on SWEL for this area:
- 1C11F0110A
 - 1C11F0160A
 - 1C41C0001A
 - 1C41F0001A
 - 1C41F0029A
 - 1M16F0020A

Status: Y N U

Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Temporary scaffold and ladders in area judged adequately restrained

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



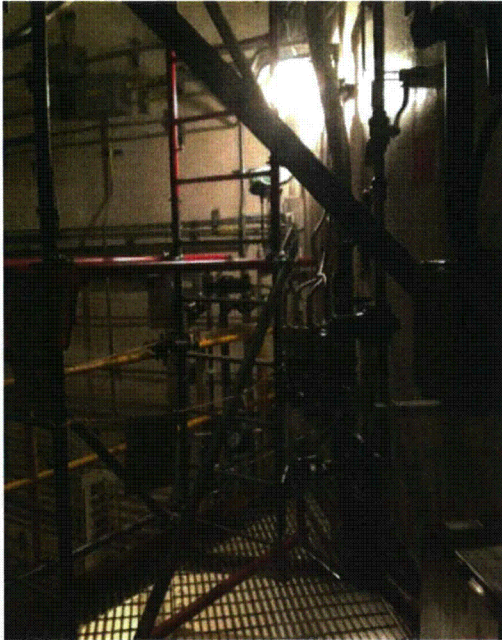
Brian A. Lucarelli Date: 8/26/2012

Status: N U

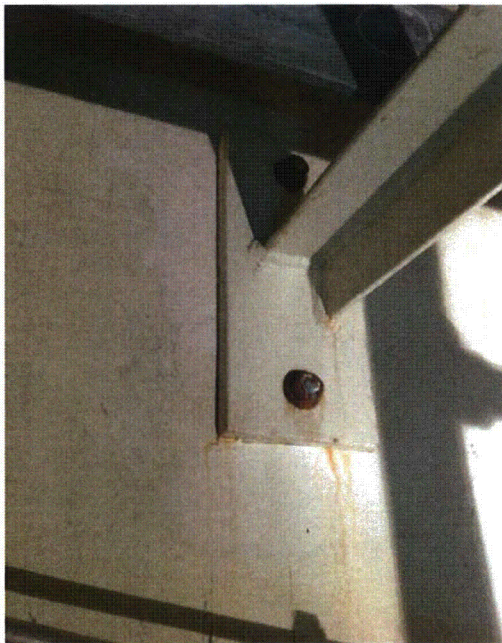
Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-12.jpeg
Description: General view

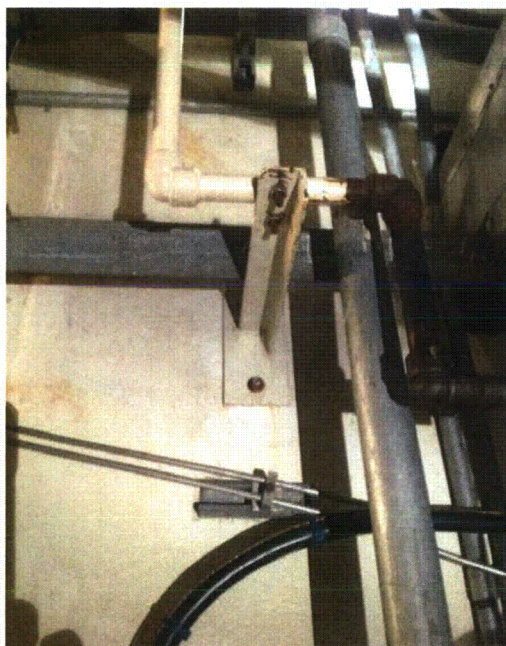


File Name: 1-60-1-1-12.jpeg
Description: Surface corrosion identified

Status: N U

Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO



File Name: 1-65-1-1-12.jpeg
Description: Surface corrosion identified



File Name: 1-67-1-1-12.jpeg
Description: Surface corrosion identified

Status: N U

Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO



File Name: 1-68-1-1-12.jpeg
Description: Surface corrosion identified

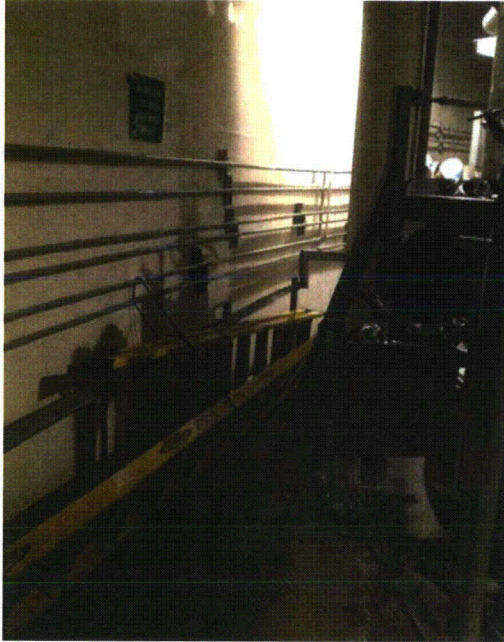


File Name: 1-69-1-1-12.jpeg
Description: General view

Status: Y N U

Area Walk-By Checklist (AWC)

Area CO-642 Floor El. 642 Bldg. CO



File Name: 1-70-1-1-12.jpeg
Description: Ladders tied

Status: Y N U

Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW

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
X			

In the concrete pad for Pump 0P54C0002, surface spalling was observed. Additionally, 2 of the 4 ~5/8" anchor bolts have an edge distance of ~4 inches. These conditions are judged OK, as the pump is rigidly supported at the base of the nozzle, which will provide additional restraint.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

Corrosion observed in the base plate for 2H51-P753B judged OK because falling would not impact any nearby components. Corrosion observed in ESW Chlorination Skid judged OK since it is top restrained and a very light skid.

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
X			

Rigidly supported raceways identified in the area, spanning ~10 ft. Attached top entry conduit for H51-P010A observed to have friction-type clamps with no restraining clamps. Friction clamps judged OK due to very small imposed loads.

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
X			

Fluorescent light fixture is rigidly supported. Lights appear to be twist-in type but are out of the zone of influence and judged not likely to cause spatial interaction. Overhead bridge crane not a credible interaction source. Space heater judged OK due to lateral restraints and flexible lines.

Related equipment on SWEL for this area:

- 0H51P1310
- 0P49D0001A
- 0P49F0502A
- 1P45C0001B
- 1P45F0130B
- 1P45F0660
- 1R24S0032

Status: Y N U

Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW

Interaction Effects

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
X			

Potential Flood Source in the Area: Pressure Maintenance Tank (0P54A0001). Welded fire protection piping is well supported. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

Very tall temporary scaffolding noted in area. Temporary unrestrained storage container observed adjacent to H51-P010A. Items judged OK due to temporary nature.

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

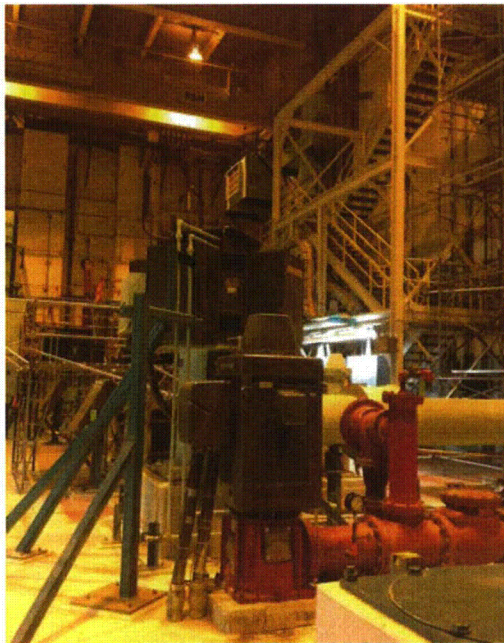
Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-05.jpeg
Description: Raceways rigidly supported

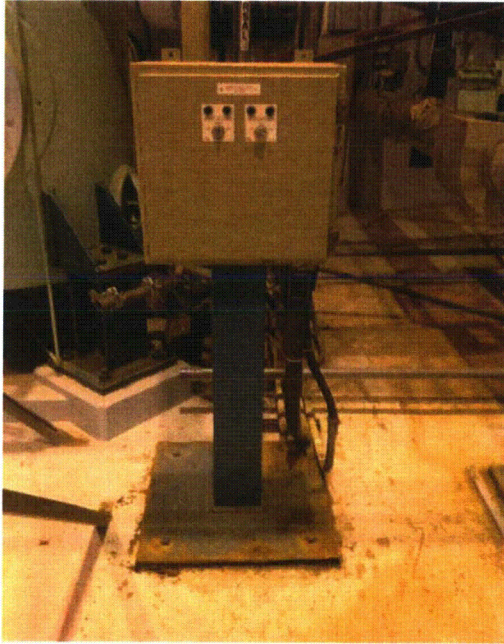


File Name: 1-60-1-1-05.jpeg
Description: General view of room

Status: Y N U

Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW



File Name: 1-65-1-1-05.jpeg
Description: View of 2H51-P753B anchorage condition



File Name: 1-66-1-1-05.jpeg
Description: Close up of anchorage condition

Status: N U

Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW



File Name: 1-67-1-1-05.jpeg
Description: Scaffolding staging area



File Name: 1-69-1-1-05.jpeg
Description: General view of room

Status: Y N U

Area Walk-By Checklist (AWC)

Area EW-1 Floor El. 586 Bldg. EW



File Name: 1-70-1-1-05.jpeg
Description: Surface corrosion identified



File Name: 1-71-1-1-05.jpeg
Description: Storage container identified next to H51-P010A

Status: Y N U

Area Walk-By Checklist (AWC)

Area FH-2a Floor El. 599 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Mild surface corrosion observed in base plate, judged not to be a concern.

Y	N	U	N/A
X			

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)?

Piping in area identified to be well braced.

Y	N	U	N/A
X			

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
X			

Related equipment on SWEL for this area:

OG41A0002A

Status: Y N U

Area Walk-By Checklist (AWC)

Area FH-2a Floor El. 599 Bldg. IB

Interaction Effects

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

Potential Flood Sources in the Area: CRD Flush Tank (1L59A0001), CRD Ultrasonic Cleaning Tank (1L59A0002), and Fuel Pool Cooling & Clean-Up Surge Tank (0G41A0002A). No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



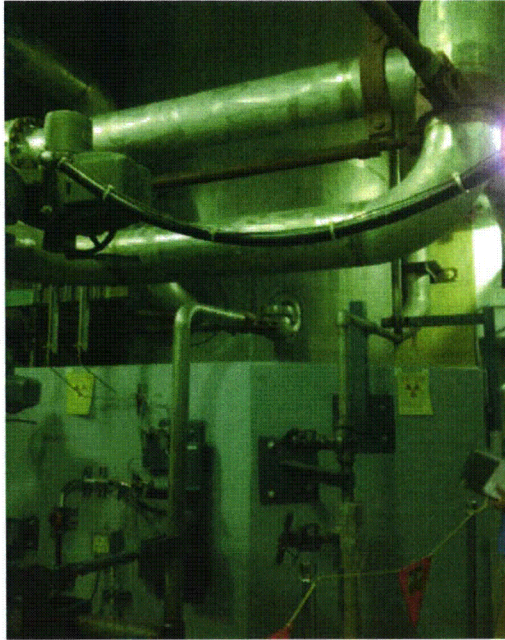
Brian A. Lucarelli Date: 8/26/2012

Status: N U

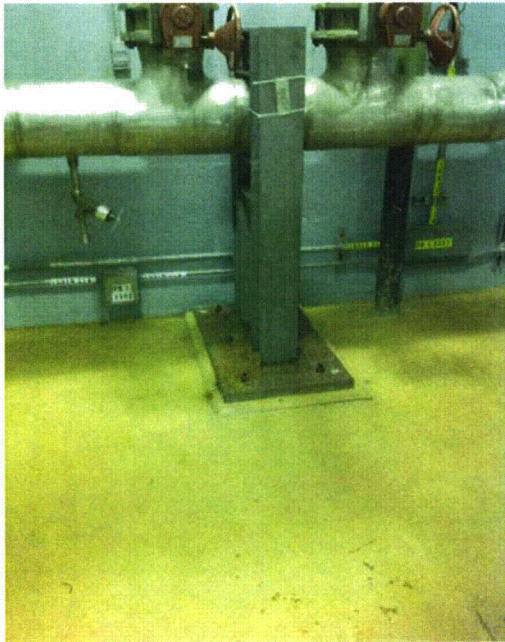
Area Walk-By Checklist (AWC)

Area FH-2a Floor El. 599 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-22.jpeg
Description: General view

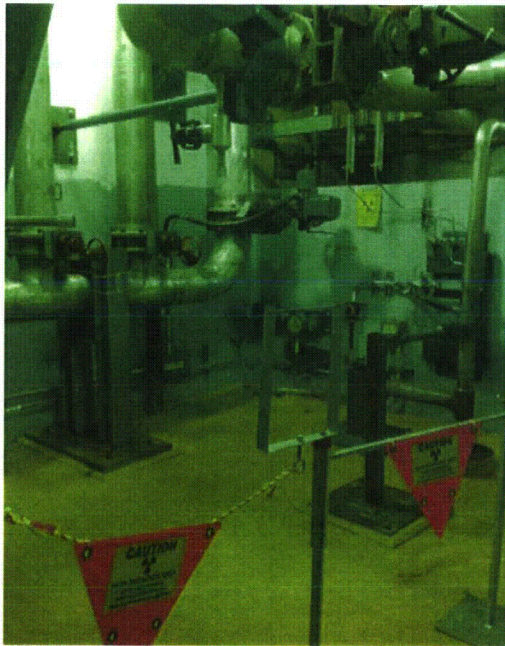


File Name: 1-60-2-1-22.jpeg
Description: Mild surface corrosion identified

Status: N U

Area Walk-By Checklist (AWC)

Area FH-2a Floor El. 599 Bldg. IB



File Name: 1-65-2-1-22.jpeg
Description: General view



File Name: 1-66-2-1-22.jpeg
Description: General view

Status: Y N U

Area Walk-By Checklist (AWC)

Area FH-3a Floor El. 620 Bldg. FH

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Piping and HVAC ducts in the area identified to be rigidly supported.

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
X			

Rod-hung space heater observed in area. Attached ~1 1/2" diameter piping judged to have adequate flexibility to accommodate displacement of heater.

Related equipment on SWEL for this area:

- 1C11F0083
- 1P57A0003A

Status: Y N U

Area Walk-By Checklist (AWC)

Area FH-3a Floor El. 620 Bldg. FH

Interaction Effects

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
X			

Welded fire protection piping is rigidly supported. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

Temporary scaffolding in area adequately braced. Cart in the area not restrained, but judged not to be a concern.

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area FH-3a Floor El. 620 Bldg. FH

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-17.jpeg
Description: General view

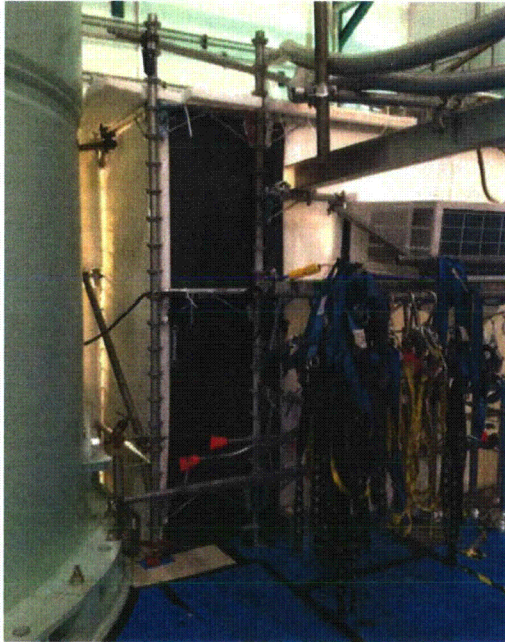


File Name: 1-65-2-1-17.jpeg
Description: General view

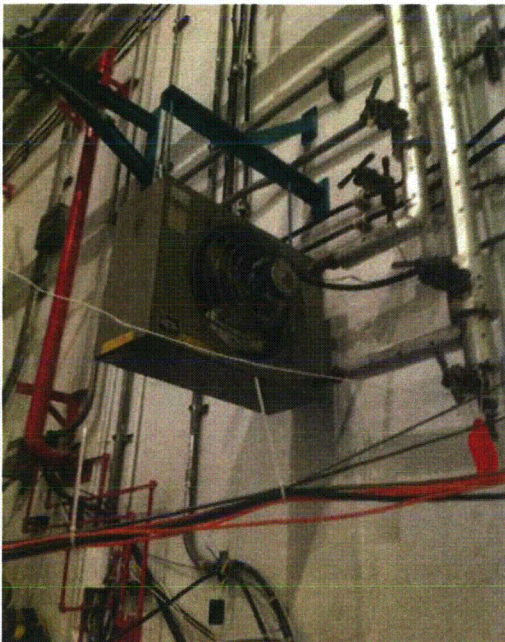
Status: N U

Area Walk-By Checklist (AWC)

Area FH-3a Floor El. 620 Bldg. FH



File Name: 1-67-2-1-17.jpeg
Description: Scaffolding clamped to tank



File Name: 1-69-2-1-17.jpeg
Description: Rod hung space heater

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-1a Floor El. 574 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

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
X			

Related equipment on SWEL for this area:

- 0G41C0003A
- 0G41C0003B
- 0G41F0542A
- 0G41F0542B
- 0G41F0545A
- 0G41F0545B
- 0G41F0546A
- 0G41F0546B

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-1a Floor El. 574 Bldg. IB

Interaction Effects

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
X			

Potential Flood Sources in the Area: Fuel Transfer Tube Drain Tank (0G41A0003) and Fuel Pool F/D Backwash Receiver Tank Receiving (0G50A0022). Fire protection in the area found acceptable. No concerns identified regarding flood sources.

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
X			

No concerns identified regarding fire sources.

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
X			

Temporary scaffolding in area is well tied off.

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



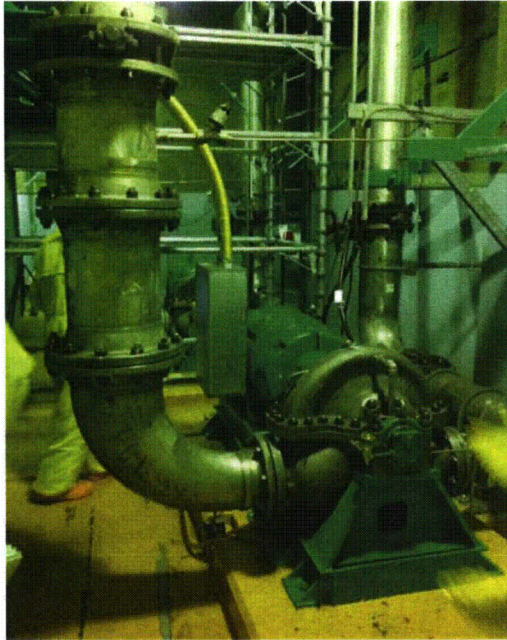
Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area IB-1a Floor El. 574 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-21.jpeg
Description: General view



File Name: 1-60-1-1-21.jpeg
Description: General view

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-2 Floor El. 599 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Cable trays identified with long rod hung supports. This is judged adequate as there are no vulnerable components in the potential swing area. All piping in area is rigidly supported.

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
X			

Lift noted in the area but not near any sensitive components, judged OK.

Related equipment on SWEL for this area:
1P57F0015A

Status: N U

Area Walk-By Checklist (AWC)

Area IB-2 Floor El. 599 Bldg. IB

Interaction Effects

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
X			

Potential Flood Sources in the Area: Precoat Tank (0G41A0001), Precoat Tank Mixer (0G41D0003), Body Feed Tank (0G41D0004), and Body Feed Tank Mixer (0G41D0005). Fire protection piping is welded and rod hung, judged OK. No concerns identified regarding flood sources.

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
X			

Potential Fire Sources in the Area: Flammable Storage Cabinets by IB-218 and IB-211. No concerns identified regarding fire sources.

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
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

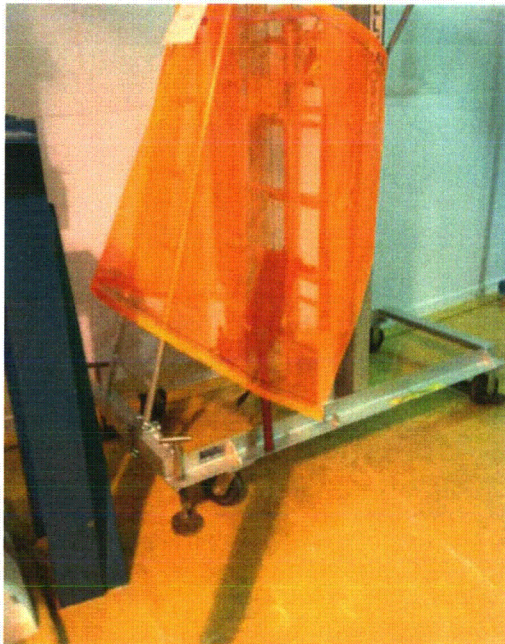
Area Walk-By Checklist (AWC)

Area IB-2 Floor El. 599 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-2-1-14.jpeg
Description: General view



File Name: 1-60-2-1-14.jpeg
Description: Maintenance equipment identified in the area

Status: N U

Area Walk-By Checklist (AWC)

Area IB-2 Floor El. 599 Bldg. IB



File Name: 1-65-2-1-14.jpeg
Description: View of cable trays in the area

Status: Y U

Area Walk-By Checklist (AWC)

Area IB-2 (2) Floor El. 599 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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)?
HVAC ducts in the area were identified to be rigidly supported.

Y	N	U	N/A
X			

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
X			

Related equipment on SWEL for this area:
1P43F0055

Status: Y U

Area Walk-By Checklist (AWC)

Area IB-2 (2) Floor El. 599 Bldg. IB

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: Flammable Storage Cabinets by IB-218 and IB-211. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Scaffold structure identified as being used as a support system for a Chiller Unit. Falling of the scaffold on the nearby MOV judged not a concern since it will not induce a significant damage to the valve or nearby pipe lines. However, a condition report (CR 2012-12373) was issued to address an unauthorized modification to the plant for a chiller unit.

Y	N	U	N/A
	X		

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



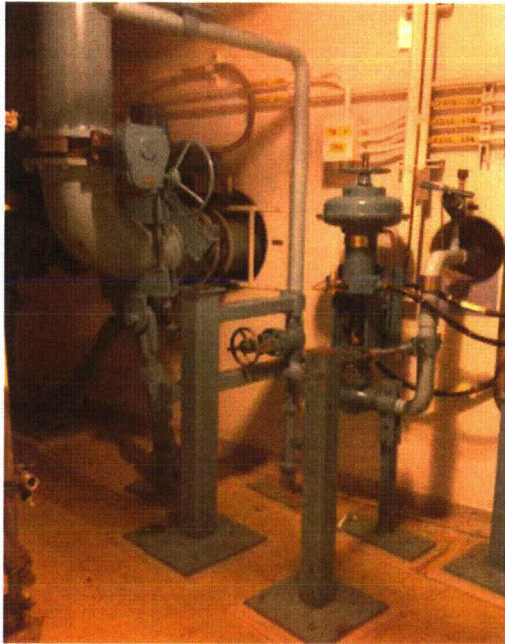
Brian A. Lucarelli Date: 8/26/2012

Status: Y $\text{\textcircled{N}}$ U

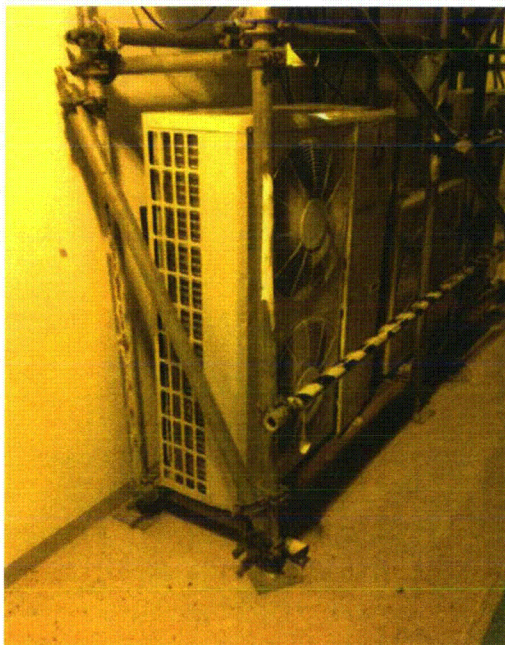
Area Walk-By Checklist (AWC)

Area IB-2 (2) Floor El. 599 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-3-1-14.jpeg
Description: General View



File Name: 1-60-3-1-14.jpeg
Description: Scaffold structure for chiller unit

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-3a Floor El. 620 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

Fire damper found to be rigidly supported.

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
X			

Related equipment on SWEL for this area:
IC41A0003

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-3a Floor El. 620 Bldg. IB

Interaction Effects

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
X			

Potential Flood Source in the Area: SLC Auxiliary Mixing Tank (0C41A0003). Fire protection piping is welded and rigidly supported. No concerns identified regarding flood sources.

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
X			

Fire protection piping is welded with rigid supports. No concerns identified regarding fire sources.

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
X			

Ladder tied off, storage barrels judged not a potential adverse condition.

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area IB-3a Floor El. 620 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-09.jpeg
Description: General view



File Name: 1-60-1-1-09.jpeg
Description: View of containers in the area

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-4 Floor El. 665 Bldg. IB

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
X			

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?

Y	N	U	N/A
X			

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
X			

HVAC ducts in the area were identified to be rigidly supported.

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
X			

Related equipment on SWEL for this area:
1P42A0001B

Status: Y N U

Area Walk-By Checklist (AWC)

Area IB-4 Floor El. 665 Bldg. IB

Interaction Effects

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

No concerns identified regarding flood sources.

Y	N	U	N/A
X			

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

Potential Fire Sources in the Area: Flammable Storage Cabinets by IB-406 and in I&C Hot Shop. No concerns identified regarding fire sources.

Y	N	U	N/A
X			

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)?

Scaffolding in area judged to be adequately supported.

Y	N	U	N/A
X			

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
X		

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 8/26/2012



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Area Walk-By Checklist (AWC)

Area IB-4 Floor El. 665 Bldg. IB

Other supporting or relevant documents and photos (if any):



File Name: 1-59-1-1-11.jpeg
Description: General view



File Name: 1-60-1-1-11.jpeg
Description: View of HVAC duct wall penetration

APPENDIX D: COMPONENT LIST FOR ANCHORAGE CONFIGURATION CHECK

Component ID	References
0G41C0003A	Drawing 18_0019-00000_004
0G41C0003B	Drawing 18_0019-00000_004
0H51P0039	Document SP-594, page 3
0H51P0193	Document SP-594, page 3
0M23C0001A	Drawing 68-0112
0M23C0002A	Drawing 68-0112
0P47B0001A	Drawing 414-046, Auxiliary Plan "K"
0P47C0001A	Drawing 414-046, Foundation Plan "G"
0P49D0001A	Drawing 22_-0027-00001_008
0R24S0020	Document "Class 1E MCC Seismic Qualification"
1C41A0003	Drawing 413-0237, Equipment Foundation "N"
1C41C0001A	Drawing 11-017
1E12B0001B	Drawing 21_-0016-00000_005
1E12B0001D	Drawing 21_-0016-00000_005
1E12C0002B	Drawing 21_-0005-00000_004
1E21C0001	Drawing 19_-0004-00000_005
1E22C0001	Drawing 20_-0039-00001_000
1E22S0001	Drawing 417-0067, Foundation Plan "B"
1E22S0005	Calculation 40:71
1E51B0002	Drawing 25-0007-00002
1H51P0871	Document 1-6-7, page 170
1M39B0001B	Drawings 69_-0157-00000_006, 48_-0326-00000_002 and 87254-026-54
1M39B0003	Drawing D-512-021
1M39B0006	Drawing D-512-021 and D-512-022
1M43C0001A	Detail D Drawing 517-0024
1M43C0002B	Detail D drawing 517-0024
1P42A0001B	Drawing 413-0237, Equipment Foundation "J"
1P42B0001B	Drawing 414-0046, Foundation Plan "E"
1P42C0001B	Drawing 414-0046, Foundation Plan "D"
1P45C0001B	Document SQ-146
1P57A0003A	Drawing 415-0107, Detail "A"
1R22S0006-E04	Drawing 058-0596-0000
1R24S0028	Document "Class 1E MCC Seismic Qualification"
1R24S0032	Document "Class 1E MCC Seismic Qualification"

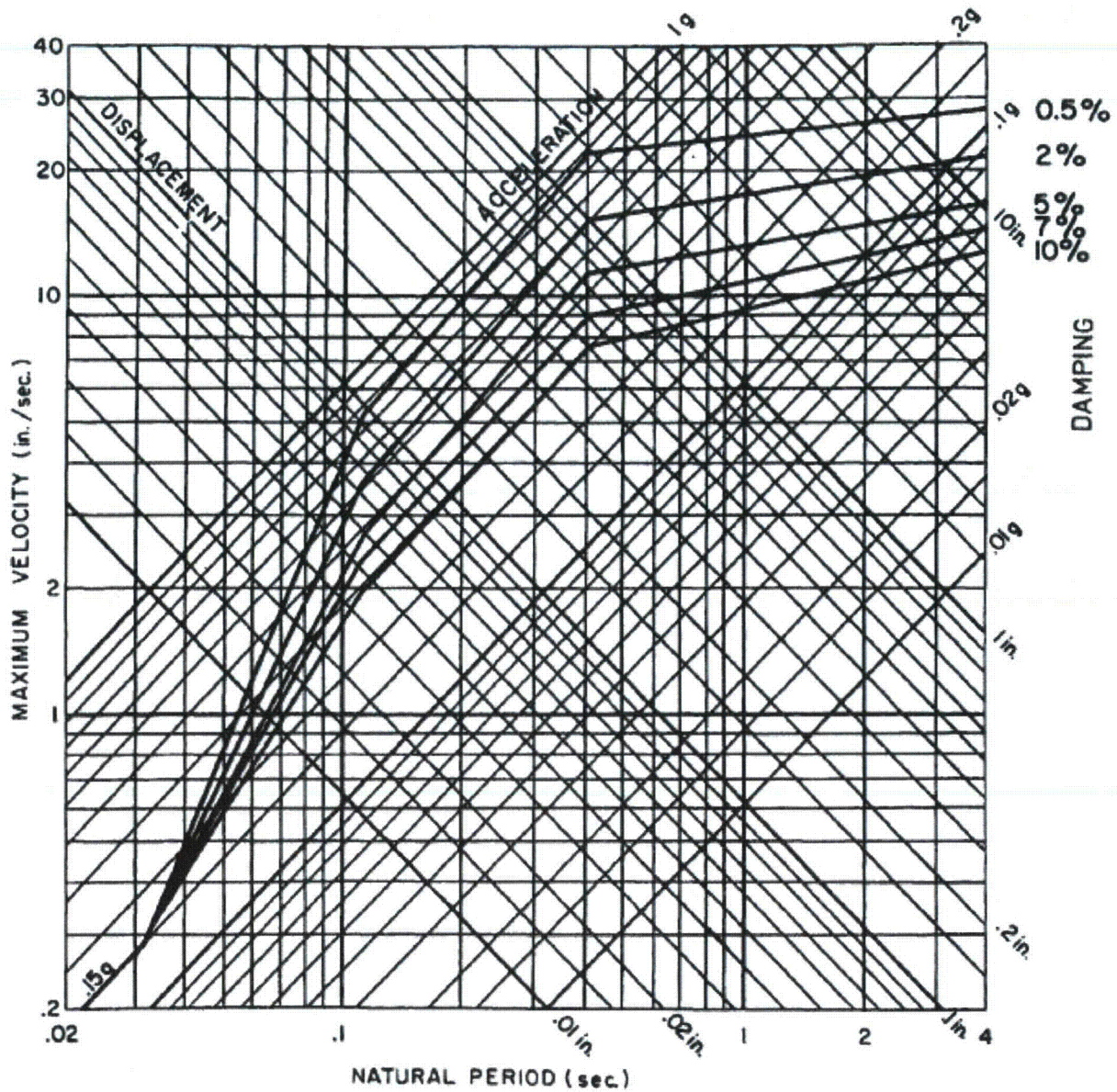
Component ID	References
1R25S0033	Document 1-6-7, page 186-187
1R42S0024	Document 1-6-7, page 92-96
1R43S0001B	Drawing 417-0066, Foundation Plan "A"
1R45C0002B	Drawing 417-0069, Foundation Plan "M"
1R46B0001A	Drawing 57_-0009-00000_004
1R46B0002B	Drawing 57_-0009-00000_004

**APPENDIX E: PERRY NUCLEAR POWER PLANT SEISMIC INFORMATION
(EXCERPTS FROM UFSAR)**

TABLE 3.7-2

METHODS USED FOR SEISMIC ANALYSIS OF CATEGORY I STRUCTURES

<u>Category I Structure</u>	<u>Modeling Techniques for Structures and Foundations</u>	<u>Damping</u>	<u>Method of Analysis</u>
Reactor Building	Lumped masses and half space equivalent soil spring constant	Soil-structure interacted composite model damping	Time history analysis
Auxiliary Building	Same as above	Same as above	Same as above
Control Building	Same as above	Same as above	Same as above
Intermediate and Fuel Handling Buildings	Same as above	Same as above	Same as above
Radwaste Building	Same as above	Same as above	Same as above
Diesel Generator Building	Finite element	Soil-structure interacted composite model damping	Time history analysis
Emergency Service Water Pumphouse	Lumped masses and half space equivalent soil spring constant	Same as above	Same as above
Offgas Building	Finite element	Same as above	Same as above



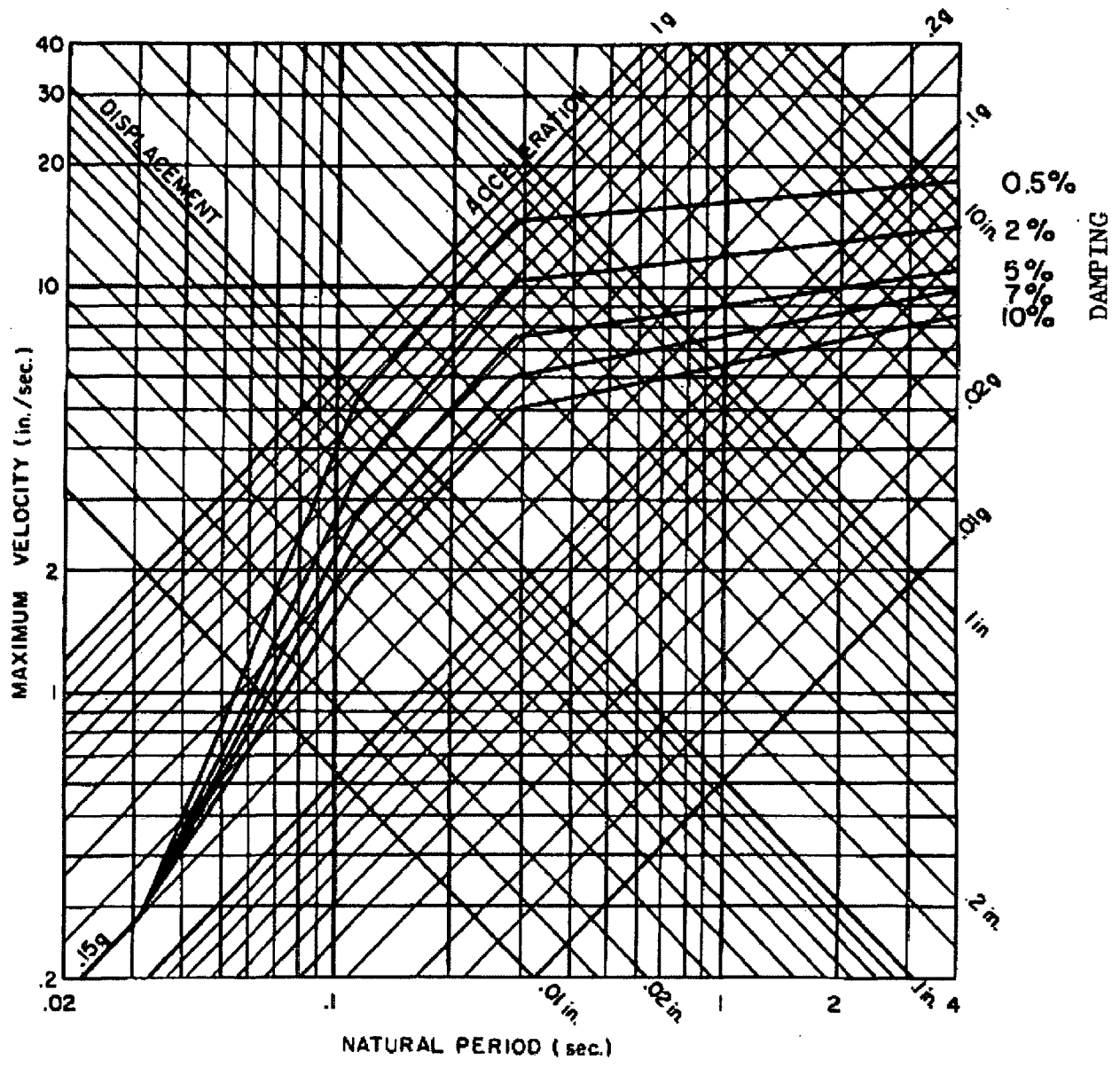
(Rev. 12 1/03)



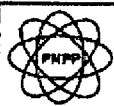
PERRY NUCLEAR POWER PLANT

Safe Shutdown Earthquake
Design Response Spectra -
Horizontal Motion

Figure 3.7-1



(Rev. 12 1/03)



PERRY NUCLEAR POWER PLANT

Safe Shutdown Earthquake
 Design Response Spectra -
 Vertical Motion

Figure 3.7-2

APPENDIX F: PERRY IPEEE VULNERABILITIES

ITEM NUMBER	IPEEE IDENTIFIED SPATIAL VULNERABILITY	REFERENCE	RESOLUTION PRESCRIBED	CURRENT STATUS OF RESOLUTION	
1	Control room spatial issues:	Panel P872: one reference table and one drawing rack adjacent to panel	PNPP Potential Issue Form 98-0036	relocate table and drawings- believe done by time of 98-0036	Not complete- CR 2012-12331 written; items relocated
		Panel P871- adjacent tables	FCR 24871 for resolution	relocate tables- believe done by time of 98-0036	Complete
		P800: shelves	calc 36:01.3.2.5.16 rev 3	secured at top- inhibited from rolling	Complete
		P870: phone stand	PNPP Potential Issue Form 98-0036	98-0036 states phone stand is not on wheels as originally thought- no overturning- therefore no problem-leave as is	Complete
		P969, P904, P970: shelf units on top of table	calc 36:01.3.2.5.16 rev 3	shelves attached to partition wall to prevent overturning	Complete
		P870:Phone	PNPP Potential Issue Form 98-0036	phone attached to stand to prevent falling	Complete
		P601: cart and monitor	PIFRA 98-0036-002	used only during outages	Complete
		P619: stored monitor	PNPP Potential Issue Form 98-0036 and calc 36:01.3.2.5.16 rev 3	stated not to be on wheels and should not overturn- used during outages	Complete
		P619: cart	PNPP Potential Issue Form 98-0036	cart removed	Complete
2	Maintenance Test Bench	calc 2.13.9 rev 0	lock wheels	proper bench storage verified	
3	Operations Electrical Locker	FCR 024978 and PIFRA 98-0036-003	move cart	CR 2012-12222 issued; cart moved 8/7/12	
4	Switchgear trolleys	PIFRA 98-0036-003	maintain trolleys in center of bus, hook hoist	trolleys verified in center of busses with hoist hooked in place	

Relays Evaluated for IPEEE			
Relays Chosen from 1E22-S0001, HPCS Div. 1 Diesel Generator Control			
Relay No.	Relay Normal Status	Evaluation	Reason
K1	De-Energized	Chatter Acceptable	Function is not required during the period of strong motion and chatter will not result in this function being available after strong shaking
K2	De-Energized	Chatter Acceptable	Function is not required during the period of strong motion and chatter will not result in this function being available after strong shaking. If the DG is not initially operating, no effect, if it is operating, it may have voltage fluctuations
K7	De-Energized	Chatter Acceptable	Function is not required during the period of strong motion and chatter will not result in this function being available after strong shaking
K9	Energized	Operator Action Required	Operator Action required to reset K15 (Engine Trip Lock Out Relay) CR 2012-12331 written
K10	Energized	Operator Action Required	Operator Action required to reset K15 (Engine Trip Lock Out Relay) CR 2012-12331 written
K11	Energized	Operator Action Required	Operator Action required to reset K15 (Engine Trip Lock Out Relay) CR 2012-12331 written
K12	Energized	Operator Action Required	Operator Action required to reset K15 (Engine Trip Lock Out Relay) CR 2012-12331 written
K14	De-Energized	Operator Action Required	Operator Action required to reset EH13 (DG Breaker) CR 2012-12331 written
K16	De-Energized	Chatter Acceptable	De-energized circuit or indication only, will return to normal after shaking
K18	De-Energized	Chatter Acceptable	Function is not required during the period of strong motion and chatter will not result in this function being available after strong shaking
K28	Energized	Chatter Acceptable	Indication only, will return to normal after shaking
K35	De-Energized	Chatter Acceptable	De-energized circuit
K40	Energized	Chatter Acceptable	Indication only, will return to normal after shaking
K41	Energized	Chatter Acceptable	Indication only, will return to normal after shaking
K42	Energized	Chatter Acceptable	Indication only, will return to normal after shaking
K55	De-Energized	Chatter Acceptable	De-energized circuit
Conclusion from IPEEE			
<u>Chatter has no significant impact to the HPCS diesel generator control circuits, thereby not affecting the ability for the plant to safely shutdown.</u>			
Chatter of the low ruggedness relays is acceptable because the functions of the relay contacts are not required during the period of strong motion and chatter will also not affect availability.			
Contacts associated with de-energized circuits AND/OR for indication only will return to a normal state after strong shaking subsides.			
Any problematic relays requiring operator action are easily identifiable and can be manually reset.			