

## APPENDIX C AREA WALK-BY CHECKLISTS (AWCs)

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

Status:  N  U

Room #2 Battery Room

Floor El. 713 Bldg. SRVB

**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			

*Block walls SB1-7 and SB1-8 are adequate based on Calculations DSC-0086 and DSC-0087, respectively. Block wall SB1-10 is adequate based on calculation DSC-0089\_1. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations. All block walls in area are adequate.*

Related equipment on SWEL for this area:  
BAT-1-2

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

Status:  N  U

Room #2 Battery Room

Floor El. 713 Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

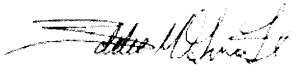
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

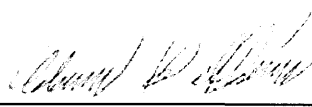
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room #2 Battery Room

Floor El. 713 Bldg. SRVB

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



File Name: 1-59-1-4-01.jpeg  
Description: General



File Name: 1-60-1-4-01.jpeg  
Description: Block wall in area

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

Status:  Y     N     U

Room            AC Equip RM

Floor El.        713            Bldg.        SRVB

**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:  
VS-AC-1A-BLOWER

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

Status:  Y     N     U

Room AC Equip RM

Floor El. 713    Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

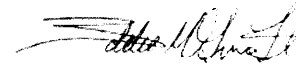
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

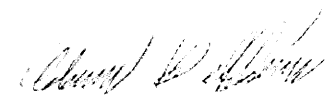
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:   Ⓢ    N    U

Room            AC Equip RM

Floor El.       713            Bldg.       SRVB

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



File Name: 1-59-1-4-06.jpeg  
Description: General 1



File Name: 1-60-1-4-06.jpeg  
Description: General 2

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

Status:  N  U

Room AC Equip RM

Floor El. 713 Bldg. SRVB



File Name: 1-65-1-4-06.jpeg  
Description: Fire suppression system rugged



File Name: 1-66-1-4-06.jpeg  
Description: Cable trays in area full, but not overflowing



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

Status:  N  U

Room AT QS-TK-1

Floor El. 735 Bldg. YARD

**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			

*Cable tower near tank is a possible interaction. Tower is judged to be far enough away and rugged enough to be considered not credible.*

Related equipment on SWEL for this area:  
LT-1QS-100A

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

Status:  Y     N     U

Room AT QS-TK-1

Floor El. 735      Bldg. YARD

**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			

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

*No ignition sources found in this area.*

Y	N	U	N/A
X			

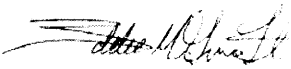
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

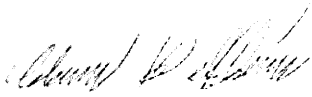
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  V     N     U

Room                    AT QS-TK-1

Floor El.            735                    Bldg.            YARD

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



File Name: 1-59-1-4-09.jpeg  
Description: General 1



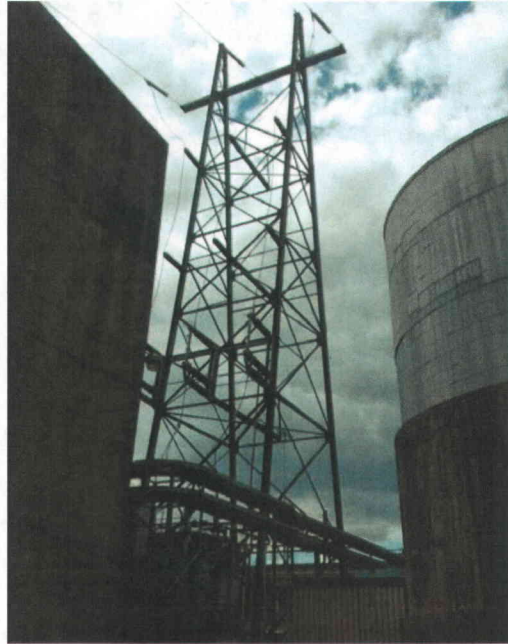
File Name: 1-60-1-4-09.jpeg  
Description: General 2

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

Status:  N  U

Room AT QS-TK-1

Floor El. 735 Bldg. YARD



File Name: 1-65-1-4-09.jpeg  
Description: Tower near by is judged rugged, interaction is not credible.

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

Status:  Y     N     U

Room B RS PMP CUB

Floor El. 732    Bldg. SFGB

**Instructions for Completing Checklist**

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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:  
RS-P-2B

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

Status:  Y     N     U

Room B RS PMP CUB

Floor El. 732    Bldg. SFGB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

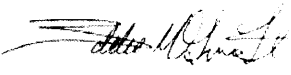
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

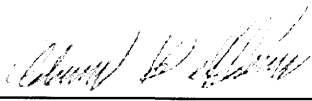
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room B RS PMP CUB

Floor El. 732 Bldg. SFGB

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



File Name: 1-59-1-4-10.jpeg  
Description: General

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

Status:  Y     N     U

Room BAT-1ROOM

Floor El. 713    Bldg. SRVB

**Instructions for Completing Checklist**

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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			

*Block wall SB1-11 and SB1-12 are adequate based on calculations DSC-0090 and DSC-0091, respectively. Block wall SB1-14 is adequate based on calculation DSC-0089\_2. This calculation is part of a follow-up seismic analysis in support of IE80-11 calculations. All block walls in area are adequate.*

Related equipment on SWEL for this area:  
BAT-1-1



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

Status:  Y     N     U

Room BAT-1ROOM

Floor El. 713 Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

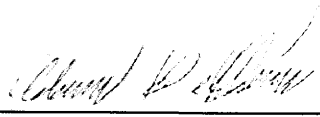
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

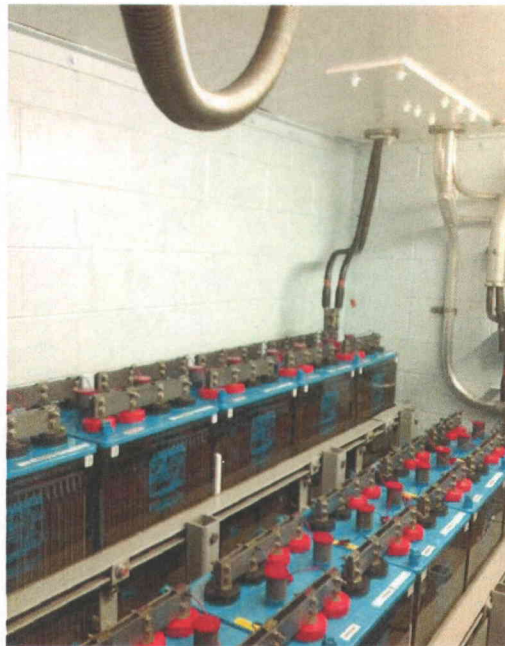
Room BAT-1ROOM

Floor El. 713 Bldg. SRVB

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



File Name: 1-59-1-4-11.jpeg  
Description: General



File Name: 1-60-1-4-11.jpeg  
Description: Block wall in area

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

Status:  Y     N     U

Room            Blender Room

Floor El.        722            Bldg.        AXLB

**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:  
HCV-1CH-186

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

Status:  Y     N     U

Room                    Blender Room

Floor El.            722                    Bldg.            AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

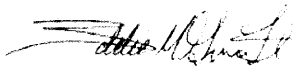
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

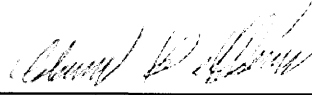
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

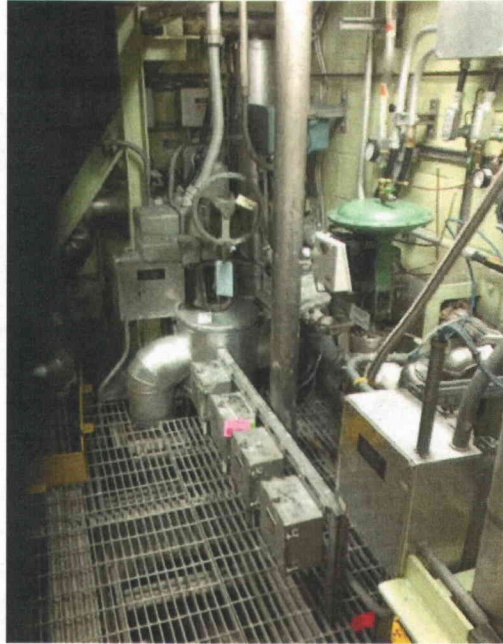
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Blender Room

Floor El. 722 Bldg. AXLB

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



File Name: 1-59-1-4-12.jpeg  
Description: General



File Name: 1-60-1-4-12.jpeg  
Description: General 2

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

Status:  N  U

Room Blender Room

Floor El. 722 Bldg. AXLB



File Name: 1-65-1-4-12.jpeg  
Description: Block wall right to room entrance. East wall



File Name: 1-66-1-4-12.jpeg  
Description: Block wall located front of entrance. North wall

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

Status:  Y     N     U

Room Boric Acid Pump Cubicle B

Floor El. 752    Bldg. AXLB

**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:  
CH-P-2A

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

Status:  Y     N     U

Room Boric Acid Pump Cubicle B

Floor El. 752      Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

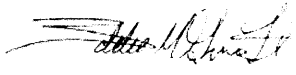
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

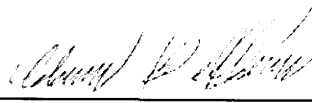
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:  Y     N     U

Room            Boric Acid Pump Cubicle B

Floor El.        752            Bldg.        AXLB

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



File Name: 1-59-1-4-13.jpeg  
Description: General

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

Status:  Y     N     U

Room                    Boric Acid Tank 1A

Floor El.            752                    Bldg.            AXLB

**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			

*There is a small gap between one of the nut's and base on the east support post for the tank. Gap is not considered significant. One anchor bolt is not fully engaged by half a thread on the north post of the tank. This minor thread engagement issue is judged not significant.*

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:  
CH-TK-1A

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

Status:  N  U

Room Boric Acid Tank 1A

Floor El. 752 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

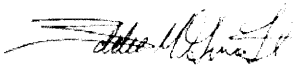
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

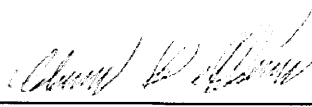
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

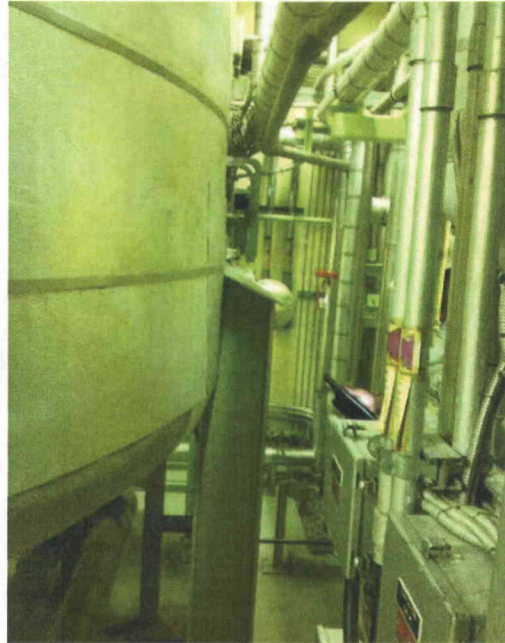
**Area Walk-By Checklist (AWC)**

Status:  Y     N     U

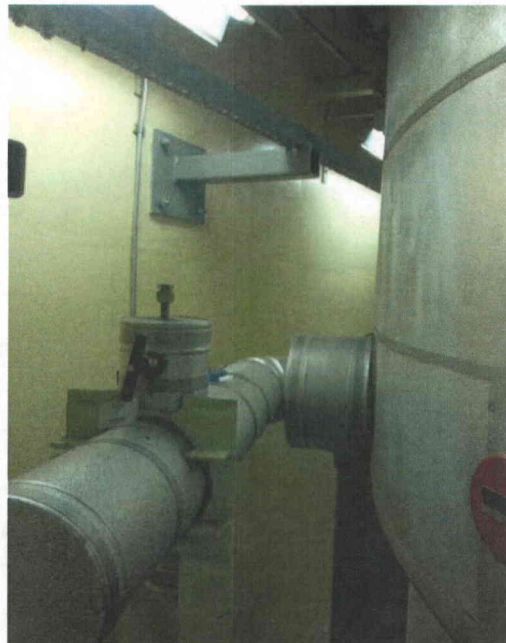
Room                    Boric Acid Tank 1A

Floor El.              752                    Bldg.                    AXLB

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



File Name: 1-59-1-4-14.jpeg  
Description: General 1



File Name: 1-60-1-4-14.jpeg  
Description: General 2

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

Status:  N  U

Room Boric Acid Tank 1A

Floor El. 752 Bldg. AXLB



File Name: 1-65-1-4-14.jpeg  
Description: One anchor bolt not fully engaged on north post by half a thread.



File Name: 1-66-1-4-14.jpeg  
Description: Gap between nut and base on west post

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

Status:  Y     N     U

Room CCW Surge Tank

Floor El. 768    Bldg. AXLB

**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:  
CC-TK-1

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

Status:  Y     N     U

Room CCW Surge Tank

Floor El. 768    Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

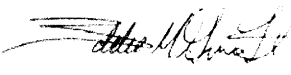
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

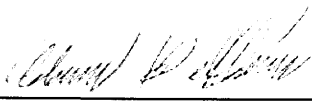
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

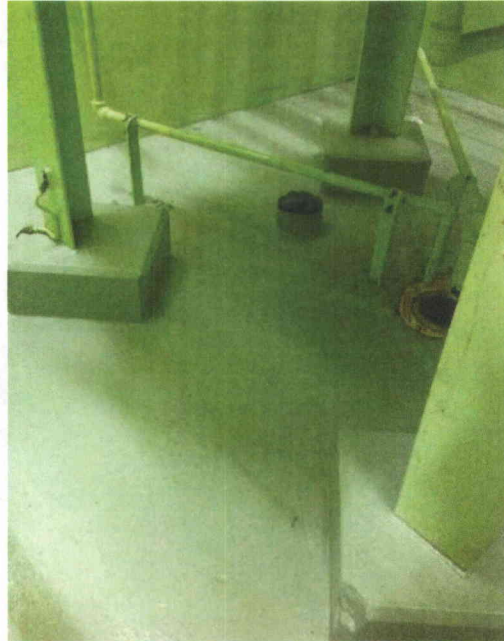
**Area Walk-By Checklist (AWC)**

Status:  N  U

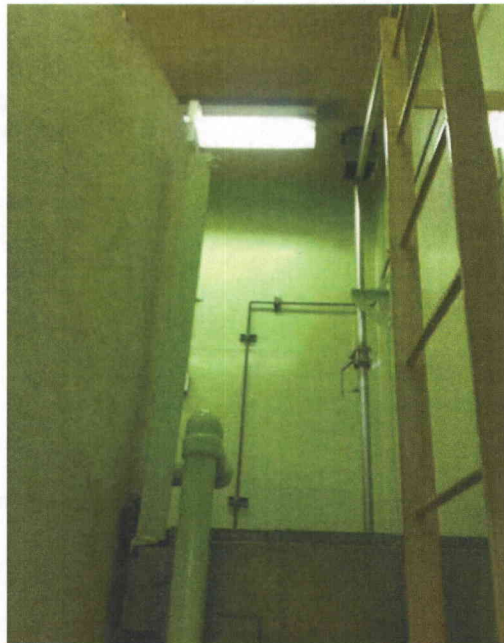
Room CCW Surge Tank

Floor El. 768 Bldg. AXLB

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



File Name: 1-59-1-4-15.jpeg  
Description: General



File Name: 1-60-1-4-15.jpeg  
Description: General 2



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

Status:  Y     N     U

Room Charging Pump Cubicle 1C

Floor El. 722    Bldg. AXLB

**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			

*Two valves with reach rods through the wall are on the supply piping to pump CH-P-1C. The gap at the wall penetration around each rod is approximately 1". The supply piping does not have lateral support and its potential movement in a seismic event could close the gap at reach rod wall penetration and cause binding. Judged acceptable, as the pipe goes through a ceiling penetration, which would provide some restraint, as well as the fact that the valves are manual valves with reach rods and that potential reach rod binding would be acceptable.*

Related equipment on SWEL for this area:  
CH-P-1C

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

Status:  Y     N     U

Room Charging Pump Cubicle 1C

Floor El. 722    Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

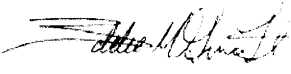
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

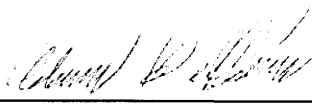
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

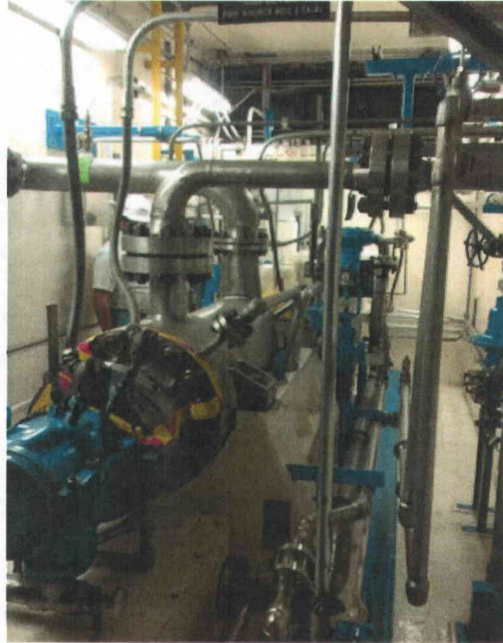
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Charging Pump Cubicle 1C

Floor El. 722 Bldg. AXLB

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



File Name: 1-59-1-4-17.jpeg  
Description: General



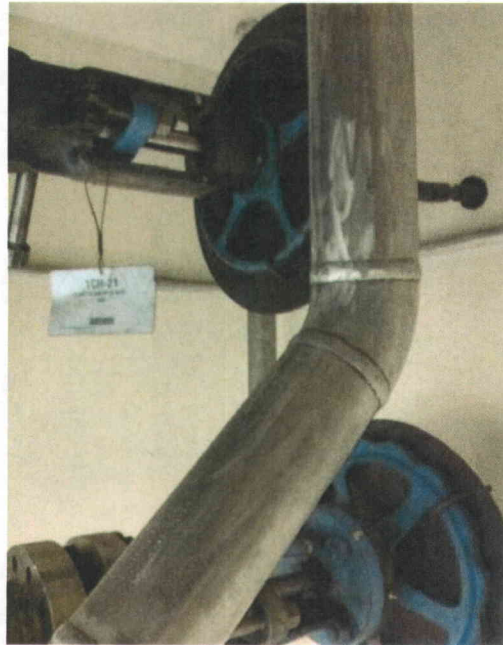
File Name: 1-60-1-4-17.jpeg  
Description: Pipe is not restrained in the longitudinal direction

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

Status:  N  U

Room Charging Pump Cubicle 1C

Floor El. 722 Bldg. AXLB



File Name: 1-65-1-4-17.jpeg  
Description: View of reach rod through wall penetration

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

Status:  Y     N     U

Room                    Control Room

Floor El.              735                    Bldg.                    SRVB

**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			

*Control room ceiling main runners are supported from concrete ceiling by wires at ~4' spacing. Each ceiling tile (i.e., egg grating) is tied to the main runners at each of its four corners and judged not to be a potential falling hazard. Block walls SB3-1, SB3-5, SB3-8, and SB3-9 are adequate based on calculations DSC-0095\_1, DSC-0097, DSC-0103, and DSC-0103, respectively. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.*

Related equipment on SWEL for this area:

- BB-A1
- RK-NUC-INS-1
- PNL-DC1-3
- PNL-VITBUS1-2
- PNL-VITBUS1-3

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

Status:  Y     N     U

Room Control Room

Floor El. 735    Bldg. SRVB

**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			

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			

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			

*Several fire extinguishers, chairs, tables, and trash cans in area are all unsecured, but are judged not significant interactions.*

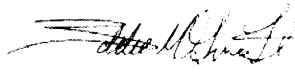
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

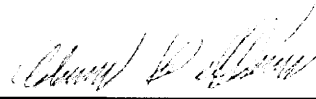
**Comments** (Additional pages may be added as necessary)

*All adjacent panels close to each other are bolted together.*

Evaluated by:

  
\_\_\_\_\_  
Eddie M. Guerra

Date: 9/28/2012

  
\_\_\_\_\_  
Adam L. Helffrich

Date: 9/28/2012

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

Status:  N  U

Room Control Room

Floor El. 735 Bldg. SRVB

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



File Name: 1-59-1-4-18.jpeg  
Description: General 1



File Name: 1-60-1-4-18.jpeg  
Description: Fire extinguisher near computer room

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

Status:  N  U

Room Control Room

Floor El. 735 Bldg. SRVB



File Name: 1-65-1-4-18.jpeg  
Description: Fire extinguisher near computer room



File Name: 1-66-1-4-18.jpeg  
Description: General 2

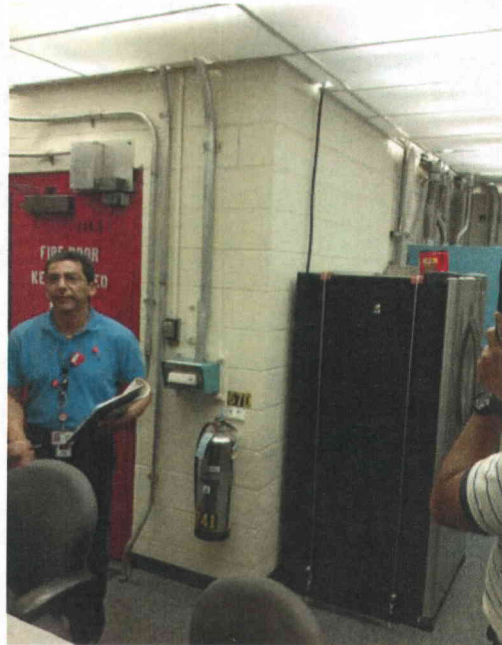


**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Control Room

Floor El. 735 Bldg. SRVB



File Name: 1-67-1-4-18.jpeg  
Description: Block wall near computer room



File Name: 1-68-1-4-18.jpeg  
Description: Fire extinguisher near computer room

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

Status:  Y     N     U

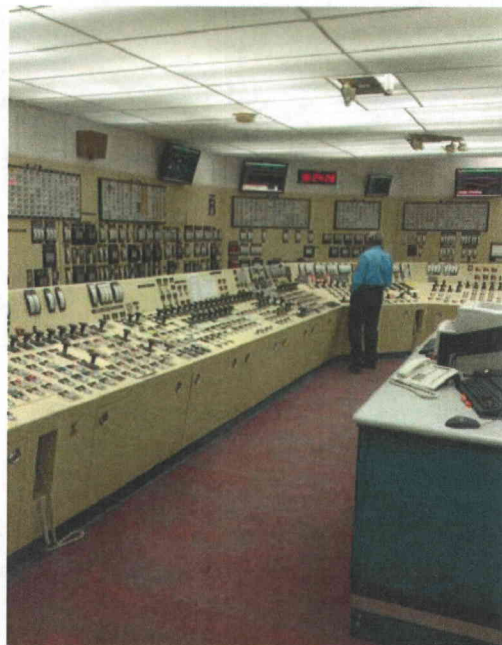
Room                    Control Room

Floor El.              735                    Bldg.                    SRVB



File Name: 1-69-1-4-18.jpeg

Description: Several unrestrained tables, chairs, and trash cans in vicinity



File Name: 1-70-1-4-18.jpeg

Description: General 3

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

Status: (Y) N U

Room Control Room

Floor El. 735 Bldg. SRVB



File Name: 1-71-1-4-18.jpeg  
Description: Several LCD screens are secure and are not a falling concern

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

Status:  Y     N     U

Room DG Room #1

Floor El. 735    Bldg. DGBX

**Instructions for Completing Checklist**

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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:  
TI-1EE-301

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

Status:  Y     N     U

Room DG Room #1

Floor El. 735    Bldg. DGBX

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

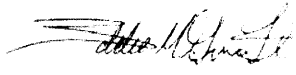
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

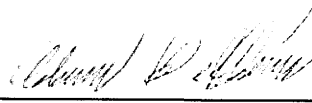
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

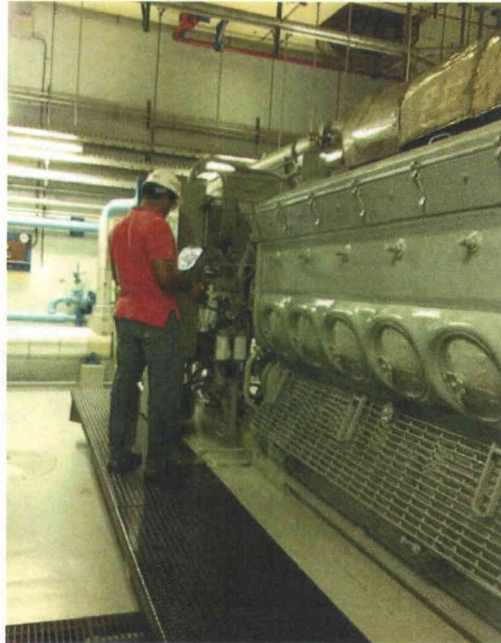
**Area Walk-By Checklist (AWC)**

Status:  V     N     U

Room            DG Room #1

Floor El.        735            Bldg.        DGBX

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



File Name: 1-59-1-4-19.jpeg  
Description: General

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

Status:  Y     N     U

Room DG Room Train A

Floor El. 735    Bldg. DGBX

**Instructions for Completing Checklist**

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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:

- 1EE-EG-1
- EE-P-1A
- EE-TK-2A
- LS-1-EE-201-1
- MCC-1-E7
- MOV-1RW-113B
- PNL-DGEA-1
- PNL-DIGEN-1

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

Status:  Y     N     U

Room DG Room Train A

Floor El. 735    Bldg. DGBX

**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?

*All piping are well supported in this area.*

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?

*Fuel oil day tank and all its piping are well supported.*

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)?

*Several unrestrained fire extinguishers in the area. Since the vertical accelerations in this area are well below 1g, it is judged that these extinguishers would not dislodge from their wall supports, and therefore the interaction is not credible.*

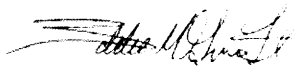
Y	N	U	N/A
X			

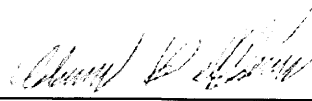
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

*Soot on ceiling indicates possible exhaust leak. A follow up with plant personnel has revealed that the soot is caused by a downdraft that naturally occurs on the roof leading to the deposit. This is normal and judged a non issue.*

Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



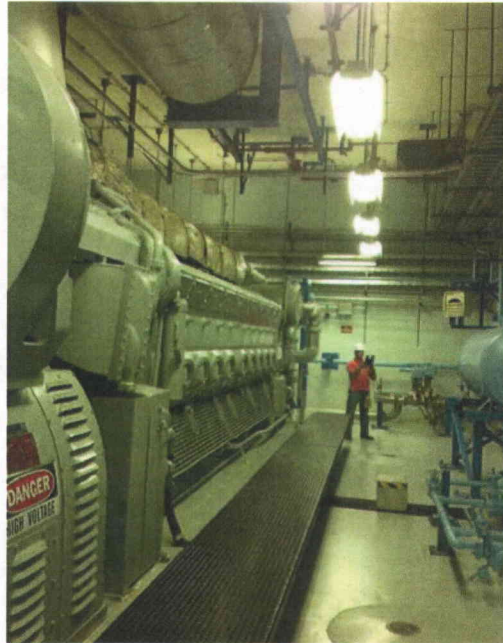
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room DG Room Train A

Floor El. 735 Bldg. DGBX

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



File Name: 1-59-1-4-20.jpeg  
Description: General 1



File Name: 1-60-1-4-20.jpeg  
Description: General 2

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

Status:  N  U

Room DG Room Train A

Floor El. 735 Bldg. DGBX



File Name: 1-65-1-4-20.jpeg  
Description: View of nearby fire extinguisher



File Name: 1-66-1-4-20.jpeg  
Description: View of nearby fire extinguisher

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

Status:  N  U

Room DG Room Train A

Floor El. 735 Bldg. DGBX



File Name: 1-67-1-4-20.jpeg  
Description: View of nearby fire extinguisher



File Name: 1-68-1-4-20.jpeg  
Description: Soot on ceiling indicates possible exhaust leak inside building

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

Status:  Y     N     U

Room DG Room Train B--East Wall

Floor El. 735    Bldg. DGBX

**Instructions for Completing Checklist**

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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?  
*Spalled concrete at base of diesel generator is minor and will not reduce the capacity of the anchorage.*

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:  
MCC-1-E8

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

Status:  Y     N     U

Room DG Room Train B--East Wall

Floor El. 735    Bldg. DGBX

**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 pipe may interact with cable tray causing spray. Tracing of the line reveals the line is filled with CO2, not water and is not a flooding source.*

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?

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)?

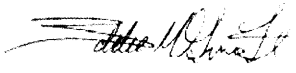
*Several unrestrained fire extinguishers in room are considered not significant interactions*

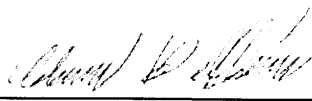
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

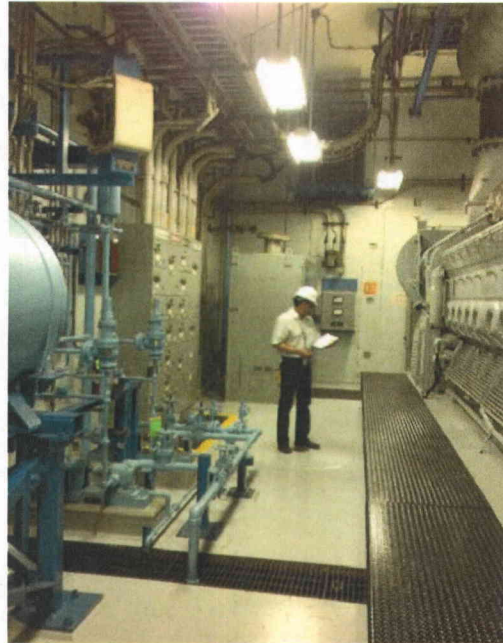
**Area Walk-By Checklist (AWC)**

Status:  V     N     U

Room                    DG Room Train B--East Wall

Floor El.              735                    Bldg.                    DGBX

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



File Name: 1-59-1-4-22.jpeg  
Description: General 1



File Name: 1-60-1-4-22.jpeg  
Description: General 2

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

Status:   N  U

Room DG Room Train B--East Wall

Floor El. 735 Bldg. DGBX



File Name: 1-65-1-4-22.jpeg  
Description: View of nearby fire extinguisher



File Name: 1-66-1-4-22.jpeg  
Description: View of nearby fire extinguisher

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

Status:  N  U

Room DG Room Train B--East Wall

Floor El. 735 Bldg. DGBX



File Name: 1-67-1-4-22.jpeg  
Description: View of nearby fire extinguisher



File Name: 1-68-1-4-22.jpeg  
Description: View of nearby fire extinguisher



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

Status:  N  U

Room DG Room Train B--East Wall

Floor El. 735 Bldg. DGBX



File Name: 1-69-1-4-22.jpeg  
Description: Minor spalling underneath diesel generator



File Name: 1-70-1-4-22.jpeg  
Description: Fire pipe in proximity of cable tray, is a co2 line

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

Status:  N  U

Room East Cable Vault

Floor El. 735 Bldg. SFGB

**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:  
MCC-1-E12  
MCC-1-E6  
TRS-BIP-PNL1

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

Status:  Y     N     U

Room East Cable Vault

Floor El. 735    Bldg. SFGB

**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 pipe above TRS BIP PNL 1 judged to be rigidly supported.*

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?

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)?  
*Unrestrained fire extinguishers and a poorly secured ladder in area are considered not significant.*

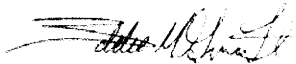
Y	N	U	N/A
X			

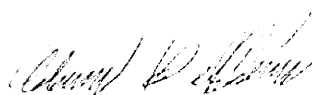
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

*A mostly rod hung cable tray (with minimal lateral supports) has a gap of about 4" to MCC-1-E6 and MCC-1-E12. It is judged that the available gap is adequate to preclude interaction of the tray with these MCC's.*

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room East Cable Vault

Floor El. 735 Bldg. SFGB

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



File Name: 1-59-1-4-23.jpeg  
Description: General 1



File Name: 1-60-1-4-23.jpeg  
Description: General 2

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

Status:  N  U

Room East Cable Vault

Floor El. 735 Bldg. SFGB



File Name: 1-65-1-4-23.jpeg  
Description: Fire pipe over panel is rigidly supported



File Name: 1-67-1-4-23.jpeg  
Description: Fire extinguisher and loose ladder in area

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

Status:  Y     N     U

Room                    East Cable Vault

Floor El.              735                    Bldg.                    SFGB



File Name: 1-68-1-4-23.jpeg  
Description: Fire extinguisher in area

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

Status:  Y     N     U

Room Emer Swgr Room Train A

Floor El. 713    Bldg. SRVB

**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			

*INV-VITBUS 1 panel has a gap of 1" to a wall. It is judged that this gap is adequate and there will be no impact to the wall. HVAC grill over INV-Vitbus1-3 is held with small screws, but appears to be rugged, it is not a credible fall hazard. Block wall SB1-11 and SB1-12 are adequate under calculation DSC-0090 and DSC-0091, respectively. Block wall SB1-15 is adequate under calculation DSC-0093. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.*

**Related equipment on SWEL for this area:**

- |               |            |
|---------------|------------|
| BAT-CHG-3     | PNL-AC1-E1 |
| BAT-CHG-1     | SAF-SW-65  |
| 480VUS-1-8-N  | TRANS-1-8N |
| 4KVS-1AE      | TRF-1015   |
| DC-SWBD1-1    |            |
| DC-SWBD1-3    |            |
| DC-SWBD1-4    |            |
| INV-VITBUS1-1 |            |
| INV-VITBUS1-3 |            |

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

Status:  Y     N     U

Room Emer Swgr Room Train A

Floor El. 713    Bldg. SRVB

**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			

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			

*Danger fire sign posted on battery room door. Batteries are well restrained and no potential interaction or falling of objects that could short the battery terminals and cause a fire were found. Judged adequate.*

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			

*Several unrestrained fire extinguishers in area are judged not significant.*

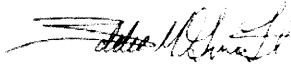
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

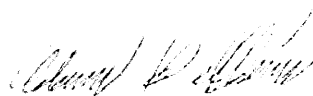
**Comments** (Additional pages may be added as necessary)

*In general, all cabinets appear to be bolted together if within proximity of another cabinet*

Evaluated by:

  
\_\_\_\_\_  
Eddie M. Guerra

Date: 9/28/2012

  
\_\_\_\_\_  
Adam L. Helffrich

Date: 9/28/2012



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

Status:  Y     N     U

Room                    Emer Swgr Room Train A

Floor El.             713                    Bldg.                    SRVB

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



File Name: 1-59-1-4-25.jpeg  
Description: General 1



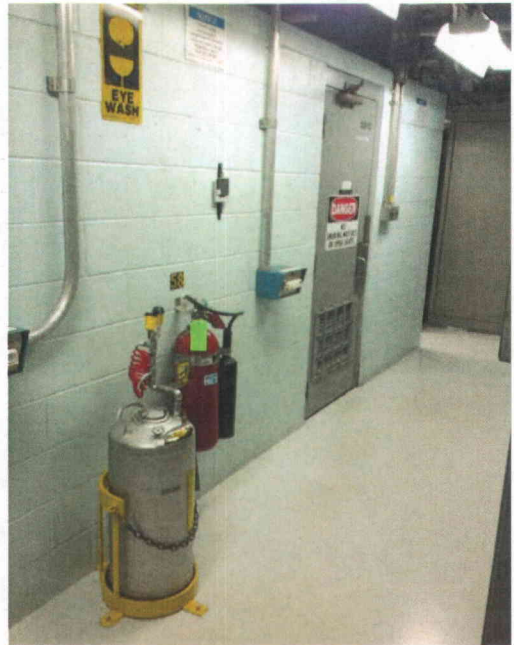
File Name: 1-60-1-4-25.jpeg  
Description: General 2

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

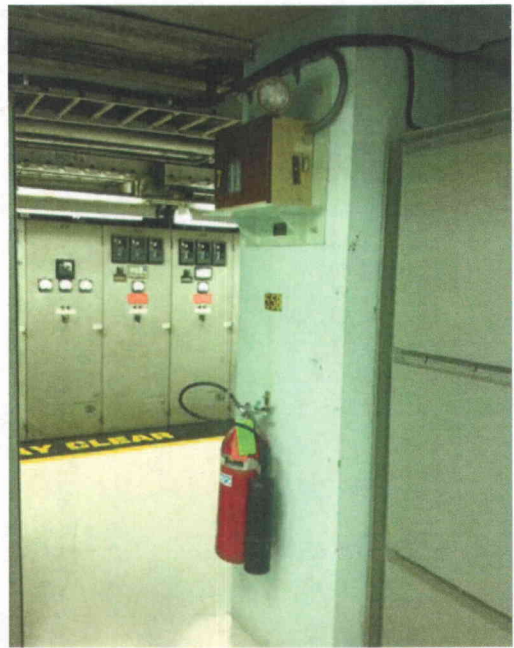
Status:  N  U

Room Emer Swgr Room Train A

Floor El. 713 Bldg. SRVB



File Name: 1-65-1-4-25.jpeg  
Description: Block wall and unrestrained fire extinguisher in area.



File Name: 1-66-1-4-25.jpeg  
Description: View of nearby fire extinguisher

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

Status:  Y     N     U

Room                    Emer Swgr Room Train A

Floor El.              713                    Bldg.                    SRVB



File Name: 1-67-1-4-25.jpeg  
Description: Gap of 1" between VITBUS 1 and wall judged adequate



File Name: 1-68-1-4-25.jpeg  
Description: Light has burn marks on it, appears disused.  
Considered a non issue.

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

Status:  N  U

Room Emer Swgr Room Train A

Floor El. 713 Bldg. SRVB



File Name: 1-69-1-4-25.jpeg  
Description: View of nearby fire extinguisher



File Name: 1-70-1-4-25.jpeg  
Description: DC-SWGR-3 and DC-SWBD-3 are bolted together,

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

Status:  Y     N     U

Room                    Emer Swgr Room Train A

Floor El.              713                    Bldg.              SRVB



File Name: 1-71-1-4-25.jpeg  
Description: HVAC grill over INV-VITBUS1-3 judged adequately restrained.



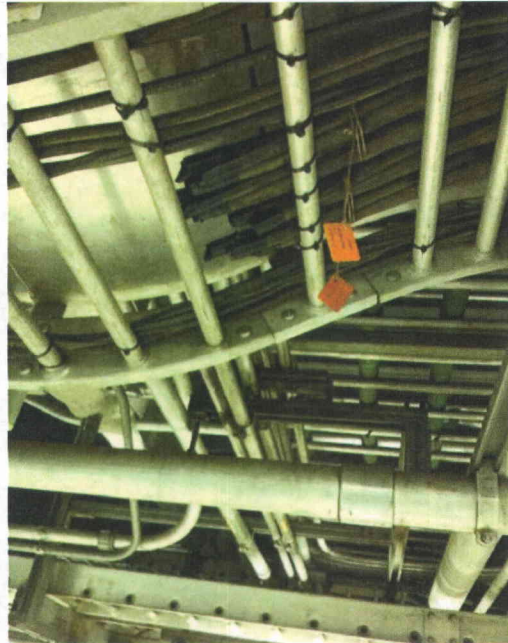
File Name: 1-72-1-4-25.jpeg  
Description: View of nearby fire extinguisher

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

Status:  N  U

Room Emer Swgr Room Train A

Floor El. 713 Bldg. SRVB



File Name: 1-75-1-4-25.jpeg  
Description: View of unused cables in cable tray.

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

Status:  N  U

Room Emer Swgr Room Train B

Floor El. 713 Bldg. SRVB

**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			

*Block wall SB1-6, SB1-7, and SB1-8 are adequate under calculations DSC-0085, DSC-0086 and DSC-0087, respectively. Block wall SB1-9 adequate under calculation DSC-0088. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.*

- Related equipment on SWEL for this area:
- 480VUS-1-9-P
  - 4KVS-1DF
  - BAT-CHG1-2-A
  - DC-SWBD1-2
  - INV-VITBUS1-4
  - TRANS-1-9P

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

Status:  Y     N     U

Room Emer Swgr Room Train B

Floor El. 713    Bldg. SRVB

**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?

*Shower in area judged rugged and not a spray hazard.*

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?

*Fire signs posted on battery room door. Batteries are well restrained and no potential interaction or falling of objects that could short the battery terminals and cause a fire were found. Judged adequate.*

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)?

*Potential falling from several fire extinguishers in area is judged not a concern.*

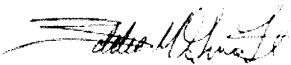
Y	N	U	N/A
X			

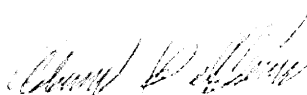
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

*In general, all cabinets appear to be bolted together if within proximity of another cabinet*

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:  N  U

Room Emer Swgr Room Train B

Floor El. 713 Bldg. SRVB

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



File Name: 1-59-1-4-26.jpeg  
Description: General 1



File Name: 1-60-1-4-26.jpeg  
Description: General 2

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

Status:  Y     N     U

Room                    Emer Swgr Room Train B

Floor El.              713                    Bldg.                    SRVB



File Name: 1-65-1-4-26.jpeg  
Description: Block wall, fire ext, fire danger sign



File Name: 1-66-1-4-26.jpeg  
Description: SUB STA 1-9 BUS 1P, with un-racked breaker

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

Status:  N  U

Room Emer Swgr Room Train B

Floor El. 713 Bldg. SRVB



File Name: 1-67-1-4-26.jpeg  
Description: SUB STA 1-9 BUS 1P, with un-racked breaker



File Name: 1-69-1-4-26.jpeg  
Description: View of unrestrained fire extinguisher, and properly secured box.

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

Status:  N  U

Room Emer Swgr Room Train B

Floor El. 713 Bldg. SRVB



File Name: 1-70-1-4-26.jpeg  
Description: View of unrestrained fire ext, ladder is properly secured.



File Name: 1-71-1-4-26.jpeg  
Description: Emergency shower is rugged, judged not a spray concern

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

Status:   Ⓢ   N   U

Room           Emer Swgr Room Train B

Floor El.       713           Bldg.       SRVB



File Name: 1-72-1-4-26.jpeg  
Description: Cable tray has long rod support,  
but is laterally braced and judged a non issue

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

Status:  Y     N     U

Room                    INTS Pump Cubicle 1(A)

Floor El.            705                    Bldg.            INTS

**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?  
*Surface rust at base plate of some components judged acceptable.*

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)?  
*Light above cabinet PNL IFPI is in contact with conduit. Lamp may impact conduit, so impact is credible, but judged not significant*

Y	N	U	N/A
X			

Related equipment on SWEL for this area:  
VS-D-57A1  
WR-P-1A

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

Status:  N  U

Room INTS Pump Cubicle 1(A)

Floor El. 705 Bldg. INTS

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

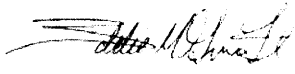
Y	N	U	N/A
X			

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

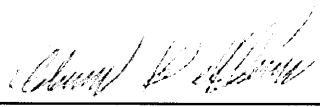
Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

Evaluated by:

  
\_\_\_\_\_  
Eddie M. Guerra

Date: 9/28/2012

  
\_\_\_\_\_  
Adam L. Helffrich

Date: 9/28/2012

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

Status:  N  U

Room INTS Pump Cubicle 1(A)

Floor El. 705 Bldg. INTS

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



File Name: 1-59-1-4-27.jpeg  
Description: General



File Name: 1-60-1-4-27.jpeg  
Description: General 2



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

Status:  N  U

Room INTS Pump Cubicle 1(A)

Floor El. 705 Bldg. INTS



File Name: 1-65-1-4-27.jpeg  
Description: Light above Cabinet PNL 1FP1. Judged non-damaging.

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

Status:   Ⓢ    N    U

Room            INTS Pump Cubicle 2(B)

Floor El.       705           Bldg.       INTS

**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?  
*Minor surface rust on vertical pump judged a non issue*

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:  
VS-D-57B1  
VS-F-57B  
WR-P-1B

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

Status:  Y     N     U

Room INTS Pump Cubicle 2(B)

Floor El. 705    Bldg. INTS

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

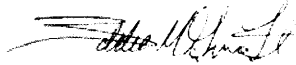
*Temporary scaffold are secured and judged a non issue. Nearby ladders are secure.*

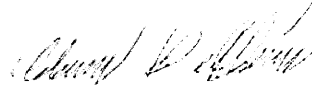
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room INTS Pump Cubicle 2(B)

Floor El. 705 Bldg. INTS

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



File Name: 1-59-1-4-28.jpeg  
Description: General



File Name: 1-60-1-4-28.jpeg  
Description: General 2

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

Status:  N  U

Room INTS Pump Cubicle 2(B)

Floor El. 705 Bldg. INTS



File Name: 1-65-1-4-28.jpeg  
Description: Surface rust on pump 1WR P 1B not an issue



File Name: 1-66-1-4-28.jpeg  
Description: Temporary scaffold not an issue

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

Status:  N  U

Room INTS Pump Cubicle 2(B)

Floor El. 705 Bldg. INTS



File Name: 1-67-1-4-28.jpeg  
Description: Ladders are secure



File Name: 1-68-1-4-28.jpeg  
Description: General 3

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

Status: Y    ~~N~~    U

Room                    INTS Pump Cubicle 3(C)

Floor El.            705                    Bldg.            INTS

**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?  
*Pump 1WR-P-1C has two bolts with significant corrosion. CR 2012-13969 was generated because of the issue.*

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)?  
*Light just above feeder breaker 4B is not considered a significant interaction*

Y	N	U	N/A
X			

Related equipment on SWEL for this area:  
VS-D-57C1

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

Status: Y    **Ⓝ**    U

Room                    INTS Pump Cubicle 3(C)

Floor El.            705                    Bldg.            INTS

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

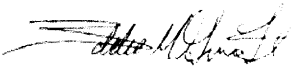
*Temporary scaffold judged non damaging to surrounding piping.*

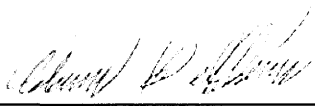
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status: Y    Ⓝ    U

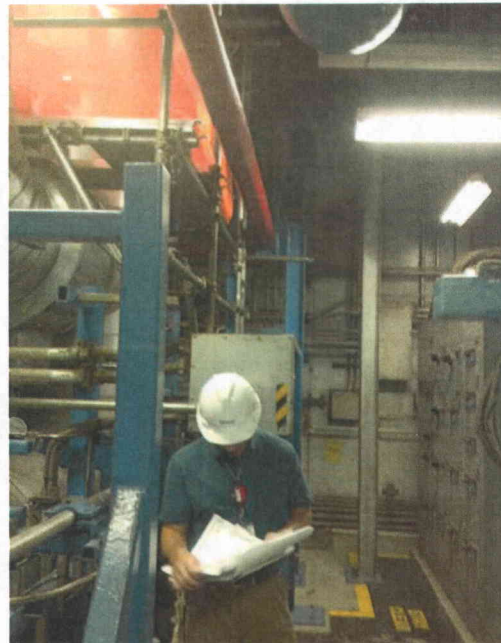
Room            INTS Pump Cubicle 3(C)

Floor El.        705            Bldg.            INTS

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



File Name: 1-59-1-4-29.jpeg  
Description: General 1



File Name: 1-60-1-4-29.jpeg  
Description: General 2

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

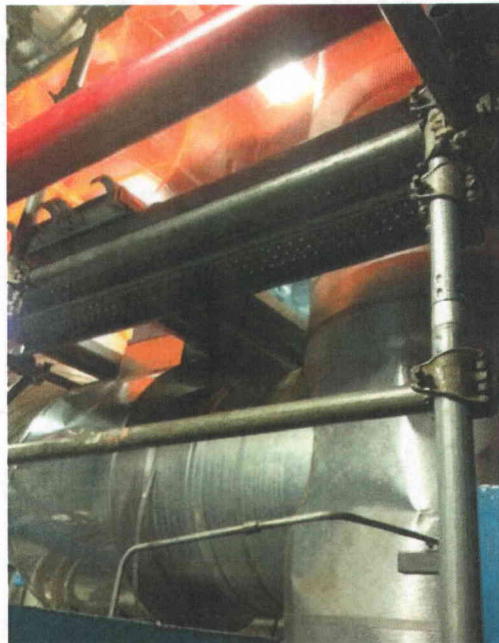
Status: Y    Ⓝ    U

Room            INTS Pump Cubicle 3(C)

Floor El.        705            Bldg.            INTS



File Name: 1-65-1-4-29.jpeg  
Description: View of light above feed breaker. Judged not a concern.



File Name: 1-66-1-4-29.jpeg  
Description: Temp scaffold judged non damaging to surrounding piping

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

Status: Y    Ⓝ    U

Room            INTS Pump Cubicle 3(C)

Floor El.        705            Bldg.            INTS



File Name: 1-67-1-4-29.jpeg  
Description: Scaffold deficient tag



File Name: 1-68-1-4-29.jpeg  
Description: Corroded bolt near pump. Bolt hold nothing

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

Status:  Y     N     U

Room LHSI Pump 1B

Floor El. 751 Bldg. SFGB

**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:  
SI-P-1A

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

Status:  Y     N     U

Room LHSI Pump 1B

Floor El. 751 Bldg. SFGB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

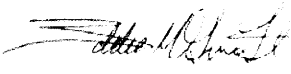
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

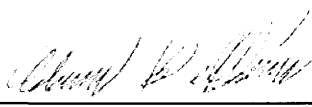
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room LHSI Pump 1B

Floor El. 751 Bldg. SFGB

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



File Name: 1-59-1-4-31.jpeg  
Description: General

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

Status:  Y     N     U

Room Main Steam Valve Room

Floor El. 751    Bldg. SFGB

**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			

*A damaged pipe insulation near valve MOV-IMS-105 was judged to be due to servicing of the valve and not a seismic concern. A pipe connected to a containment penetration 89 (valve TV-ISV-100A is on this pipe) has a gap of 1/8" to a knee brace mounted on Safeguards Building. The effect of differential building displacements at this elevation between the two buildings was investigated and found that the pipe has adequate flexibility to accommodate the demand seismic displacements of the two buildings.*

Related equipment on SWEL for this area:

- MCC-1-E13
- MOV-1MS-105
- PCV-1MS-101C
- PNL-1MS-101A
- PNL-1MS-101B
- SV-MS-104B
- TV-1MS-101C
- TV-1MS-105A

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

Status:  N  U

Room Main Steam Valve Room

Floor El. 751 Bldg. SFGB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

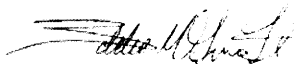
*Ladder in lower area is loosely secured thus judged not to be a concern since there are no soft targets in the vicinity.*

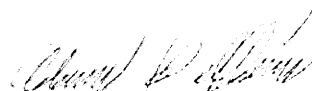
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:  V     N     U

Room                    Main Steam Valve Room

Floor El.            751                    Bldg.                    SFGB

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



File Name: 1-60-1-4-32.jpeg  
Description: General 1

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

Status:  Y     N     U

Room            Main Steam Valve Room

Floor El.        751            Bldg.            SFGB



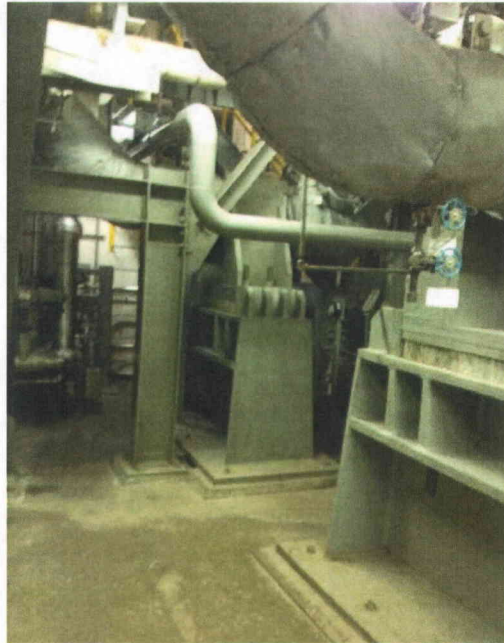
File Name: 1-65-1-4-32.jpeg  
Description: Ducting in area adequately supported

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

Status:  Y     N     U

Room                    Main Steam Valve Room

Floor El.              751                    Bldg.                    SFGB



File Name: 1-67-1-4-32.jpeg  
Description: General 3



File Name: 1-68-1-4-32.jpeg  
Description: General 4

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

Status:  N  U

Room Main Steam Valve Room

Floor El. 751 Bldg. SFGB



File Name: 1-69-1-4-32.jpeg  
Description: Spalled grout on main steam support, not significant



File Name: 1-70-1-4-32.jpeg  
Description: Insulation damage believed to be due to valve servicing MOV 1 MS 105

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

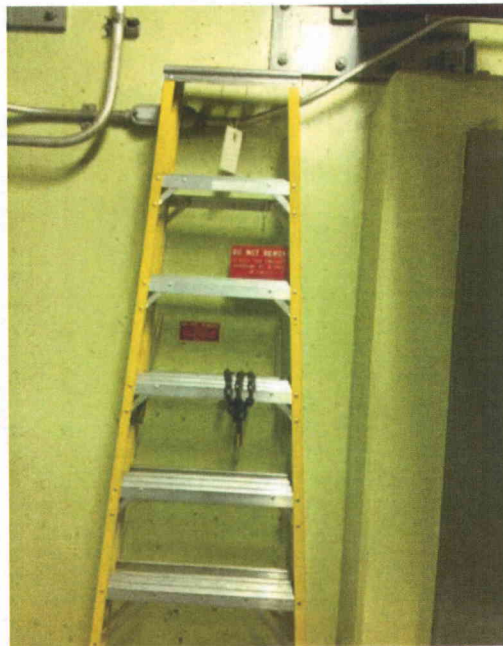
Status:  N  U

Room Main Steam Valve Room

Floor El. 751 Bldg. SFGB



File Name: 1-71-1-4-32.jpeg  
Description: Boxes, secure.



File Name: 1-72-1-4-32.jpeg  
Description: Ladder, loosely secured.

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

Status:  N  U

Room Main Steam Valve Room

Floor El. 751 Bldg. SFGB



File Name: 1-74-1-4-32.jpeg  
Description: Fire line is secure.



File Name: 1-75-1-4-32.jpeg  
Description: View of pipe going into containment building with nearby knee brace located on the floor of Safeguards Building. Interaction due to differential motion judged not a concern.

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

Status:  N  U

Room Motor Generator Room

Floor El. 713 Bldg. SRVB

**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:  
REAC-TR-SWGR-1A

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

Status:  N  U

Room Motor Generator Room

Floor El. 713 Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

*Unrestrained fire extinguishers in area are not considered significant.*

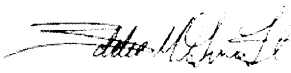
Y	N	U	N/A
X			

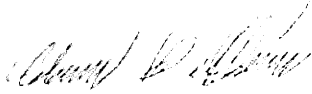
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

*DC hold power supply cabinet, logic cabinet, power cabinet 1BD, and power cabinet 2 BD all have after market air conditioning units added to them. AC units appear to be lightweight and judged not to affect the structural integrity of the cabinets.*

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



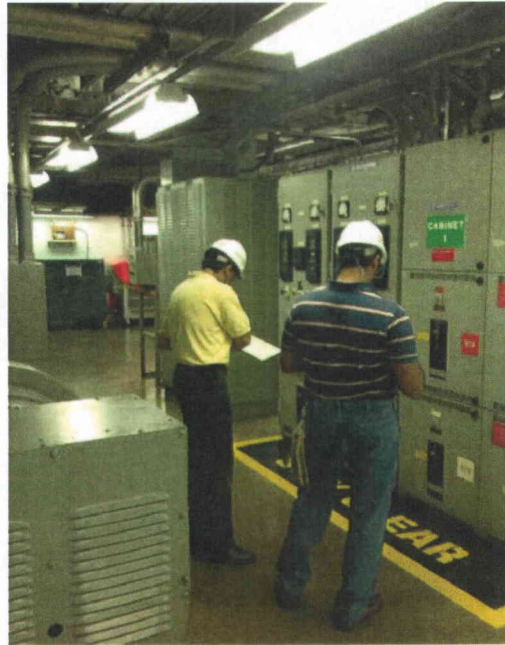
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Motor Generator Room

Floor El. 713 Bldg. SRVB

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



File Name: 1-59-1-4-33.jpeg  
Description: General



File Name: 1-60-1-4-33.jpeg  
Description: General 2

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

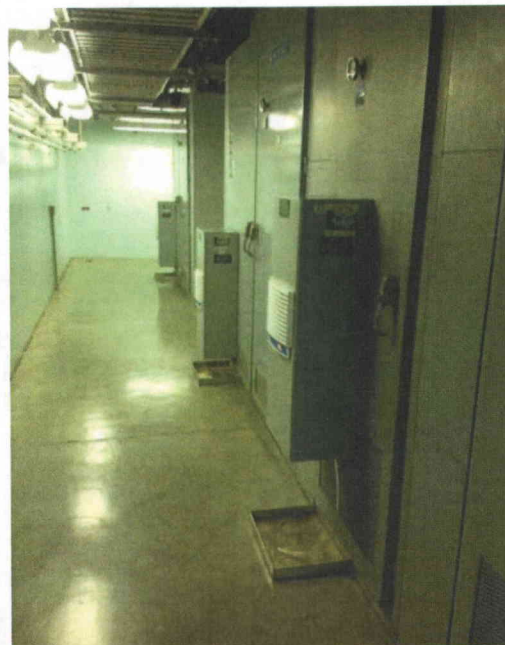
Status:  N  U

Room Motor Generator Room

Floor El. 713 Bldg. SRVB



File Name: 1-65-1-4-33.jpeg  
Description: View of carts, ladders and fire extinguisher in the area



File Name: 1-66-1-4-33.jpeg  
Description: View of AC units modification for several cabinets.

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

Status:  Y     N     U

Room                    Normal Switchgear Area

Floor El.            713                    Bldg.            SRVB

**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:  
TRANS-1-8N1

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

Status:  N  U

Room Normal Switchgear Area

Floor El. 713 Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

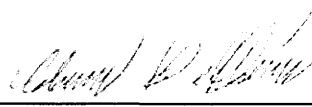
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  Y     N     U

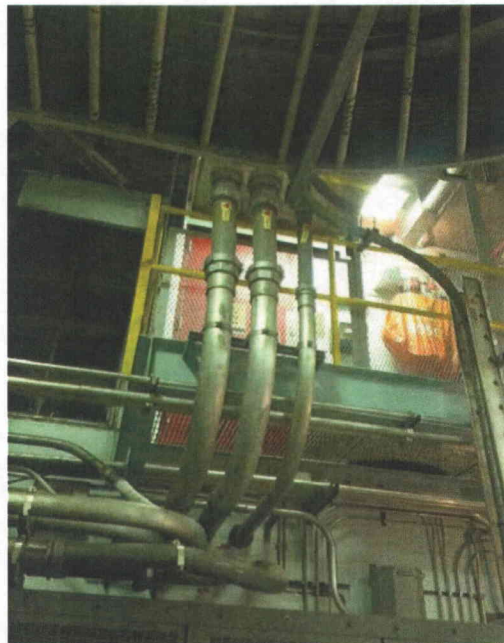
Room                    Normal Switchgear Area

Floor El.              713                    Bldg.                    SRVB

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



File Name: 1-59-1-4-34.jpeg  
Description: General



File Name: 1-60-1-4-34.jpeg  
Description: Top entry conduit with flexible joints judged adequate

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

Status:  N  U

Room Normal Switchgear Area

Floor El. 713 Bldg. SRVB



File Name: 1-66-1-4-34.jpeg  
Description: No connection between cage and transformer, approx 2 in gap, judged a non issue.



File Name: 1-67-1-4-34.jpeg  
Description: No connection between cage and transformer, approx 2 in gap, judged a non issue.

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

Status: Y    ~~N~~    U

Room                    Pipe Penetration C

Floor El.            722                    Bldg.            SFGB

**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:  
TV-1BD-100A  
TV-1CV-102  
TV-1CV-150B





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

Status: Y    Ⓝ    U

Room            Pipe Penetration C

Floor El.        722            Bldg.            SFGB

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



File Name: 1-59-1-4-38.jpeg  
Description: General



File Name: 1-60-1-4-38.jpeg  
Description: General 2

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

Status: Y    ①    U

Room            Pipe Penetration C

Floor El.        722            Bldg.        SFGB



File Name: 1-65-1-4-38.jpeg  
Description: Noted minor corrosion in area



File Name: 1-66-1-4-38.jpeg  
Description: Noted minor corrosion in area

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

Status: Y    Ⓝ    U

Room            Pipe Penetration C

Floor El.        722            Bldg.            SFGB



File Name: 1-67-1-4-38.jpeg  
Description: Noted minor corrosion in area



File Name: 1-68-1-4-38.jpeg  
Description: Noted minor corrosion in area

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

Status: Y    Ⓝ    U

Room            Pipe Penetration C

Floor El.        722            Bldg.            SFGB



File Name: 1-69-1-4-38.jpeg  
Description: Noted corrosion in area, CR-2012-13971 initiated



File Name: 1-70-1-4-38.jpeg  
Description: Noted corrosion in area, CR-2012-13970 initiated

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

Status: Y    ①    U

Room            Pipe Penetration C

Floor El.        722            Bldg.        SFGB



File Name: 1-71-1-4-38.jpeg  
Description: Noted corrosion in area, CR-2012-13970 initiated



File Name: 1-72-1-4-38.jpeg  
Description: Noted corrosion in area, CR-2012-13970 initiated

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

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

Room            Pipe Penetration C

Floor El.        722            Bldg.            SFGB



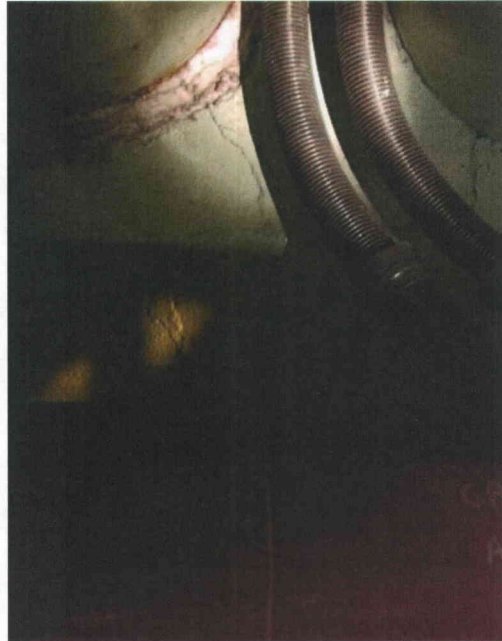
File Name: 1-75-1-4-38.jpeg  
Description: Wall with potential cracking, east wall, judged not significant

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

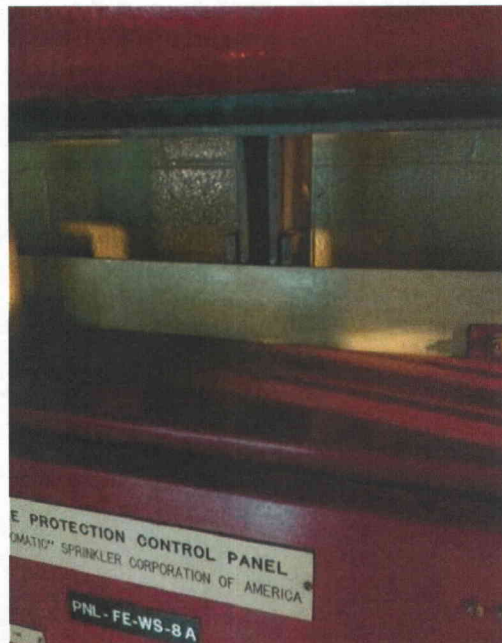
Status: Y    Ⓝ    U

Room            Pipe Penetration C

Floor El.        722            Bldg.        SFGB



File Name: 1-76-1-4-38.jpeg  
Description: Wall with potential cracking, east wall, judged not significant



File Name: 1-77-1-4-38.jpeg  
Description: Wall with potential cracking judged not significant, east wall.

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 NE Corner

Floor El. 722 Bldg. AXLB

**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:  
TCV-1CH-144



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

Status:  Y     N     U

Room Prim. Aux. BLDG 722'6 NE Corner

Floor El. 722      Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

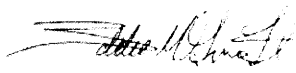
*Unsecured pole and fire extinguisher in the area considered not to cause unacceptable interactions.*

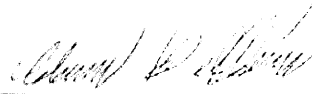
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

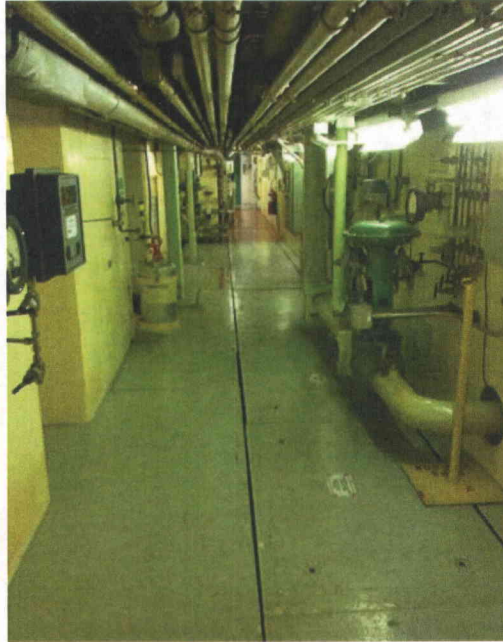
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Prim. Aux. BLDG 722'6 NE Corner

Floor El. 722 Bldg. AXLB

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



File Name: 1-59-1-4-41.jpeg  
Description: General



File Name: 1-60-1-4-41.jpeg  
Description: Fire extinguisher in area

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 NE Corner

Floor El. 722 Bldg. AXLB



File Name: 1-65-1-4-41.jpeg  
Description: Loose pole could impact

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

Status:  Y     N     U

Room Prim. Aux. BLDG 722'6 BIT Cub.

Floor El. 722 Bldg. AXLB

**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			

*Tank SI-TK-2 approximately 3 inches from wall not considered a credible impact.  
Block wall AB1-1 is qualified under reference DSC-0001. This calculation is part of a follow-up seismic analysis in support of IE80-11 calculations.*

Related equipment on SWEL for this area:  
SI-TK-2

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

Status:  Y     N     U

Room Prim. Aux. BLDG 722'6 BIT Cub.

Floor El. 722 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

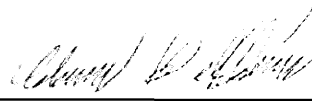
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

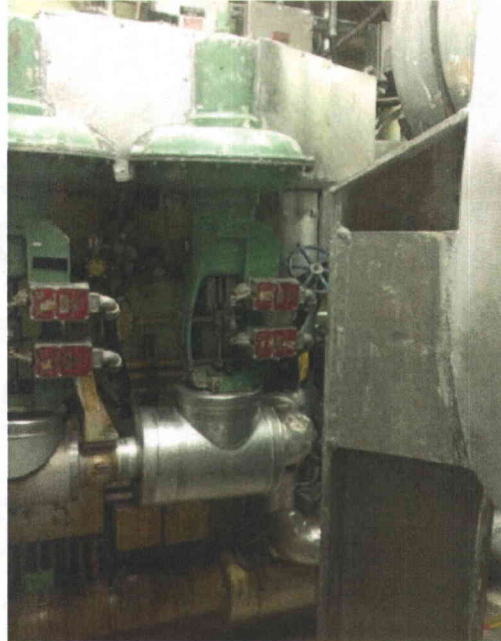
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Prim. Aux. BLDG 722'6 BIT Cub.

Floor El. 722 Bldg. AXLB

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



File Name: 1-59-1-4-42.jpeg  
Description: General 1



File Name: 1-60-1-4-42.jpeg  
Description: General 2

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 BIT Cub.

Floor El. 722 Bldg. AXLB



File Name: 1-65-1-4-42.jpeg  
Description: SI TK 2 approximately 3 inches from block wall.  
Judged not a concern.

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

Status:  Y     N     U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB

**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			

*AS TK 6 is unanchored at the base, but it is rod hung. Component is not Cat I and is not considered a credible impact to other components.*

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			

*Block walls AB1-10, AB1-11, AB1-13, and AB1-15 are all qualified under references DCS-0009, DCS-0010, DCS-0012, and DCS-0014 respectively. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.*

Related equipment on SWEL for this area:

- MOV-1RW-103A
- MOV-1RW-103B
- MOV-1RW-114B
- MOV-1RW-117



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

Status:  Y     N     U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

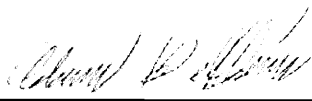
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB

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



File Name: 1-59-1-4-43.jpeg  
Description: General 1



File Name: 1-60-1-4-43.jpeg  
Description: General 2

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB



File Name: 1-66-1-4-43.jpeg  
Description: Block wall East

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB



File Name: 1-67-1-4-43.jpeg  
Description: Blocks wall North



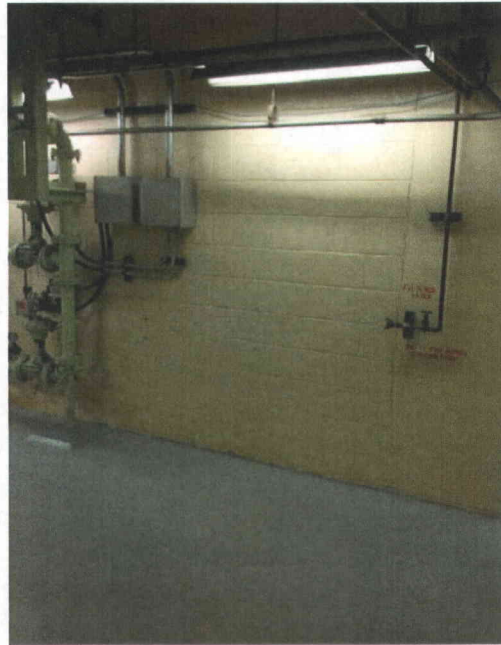
File Name: 1-68-1-4-43.jpeg  
Description: Block walls, South

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

Status:  Y     N     U

Room                    Prim. Aux. BLDG 722'6 E Cent.

Floor El.            722                    Bldg.            AXLB



File Name: 1-69-1-4-43.jpeg  
Description: Block wall West

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB



File Name: 1-71-1-4-43.jpeg  
Description: Surface corrosion identified on large pipes. Judged not a concern.



File Name: 1-72-1-4-43.jpeg  
Description: Unanchored tank, but rod hung.  
No interaction concern. (The tank is not Cat I)

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

Status:  N  U

Room Prim. Aux. BLDG 722'6 E Cent.

Floor El. 722 Bldg. AXLB



File Name: 1-74-1-4-43.jpeg  
Description: Unanchored tank, but rod hung.  
No interaction concern. (The tank is not Cat I)



File Name: 1-75-1-4-43.jpeg  
Description: Unanchored tank, but rod hung.  
No interaction concern. (The tank is not Cat I)

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

Status:  Y     N     U

Room Prim. AUX. BLDG 735'6

Floor El. 735 Bldg. AXLB

**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:  
ICC-E-1A



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

Status:  Y  N  U

Room Prim. AUX. BLDG 735'6

Floor El. 735 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

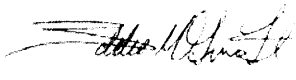
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

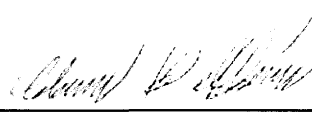
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  Y     N     U

Room                    Prim. AUX. BLDG 735'6

Floor El.              735                    Bldg.                    AXLB

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



File Name: 1-59-1-4-44.jpeg  
Description: General



File Name: 1-60-1-4-44.jpeg  
Description: Rod hung fire pipe is sufficiently rugged

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

Status:  Y     N     U

Room                    Prim. AUX. BLDG 735'6

Floor El.            735                    Bldg.            AXLB



**File Name:** 1-65-1-4-44.jpeg  
**Description:** Cart properly restrained

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

Status:  N  U

Room Prim Aux Bldg 735'6 HX Inlet

Floor El. 735 Bldg. AXLB

**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.

- |  | Y | N | U | N/A |
|--|---|---|---|-----|
| 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?  | X |   |   |     |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?   | 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)? | 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)?   | X |   |   |     |

Related equipment on SWEL for this area:  
PT-1RW-113A

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

Status:  N  U

Room Prim Aux Bldg 735'6 HX Inlet

Floor El. 735 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

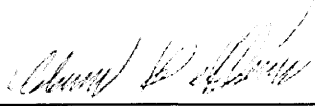
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room Prim Aux Bldg 735'6 HX Inlet

Floor El. 735 Bldg. AXLB

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



File Name: 1-59-1-4-45.jpeg  
Description: General



File Name: 1-60-1-4-45.jpeg  
Description: Fire system identified to be adequately supported.

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

Status:  Y     N     U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB

**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?  
*Some components in area have minor surface corrosion, judged a non issue.*

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)?  
*Missing bolt identified on hanger (H-70) close to MOV-RW-187. Condition report CR 2012-14047 was issued to address the situation. A review of calculation for Pipe Support H-70 was performed (Ref: Calculation 13387.02-S (B)-24CC2-B) and it concluded that the base plate was qualified with five bolts configuration and the missing bolt was noted. Therefore this is only a configuration issue and not a plant operability concern as the support design is in full compliance with the design basis requirements.*

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:  
RW-183

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

Status:  N  U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

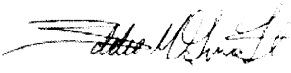
*Gas bottle with only one chain at top is near Post Accident Sampling panel PA5C1 judged not to cause an interaction concern.*

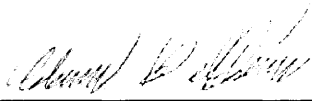
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:  N  U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB

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



File Name: 1-59-1-4-46.jpeg  
Description: General



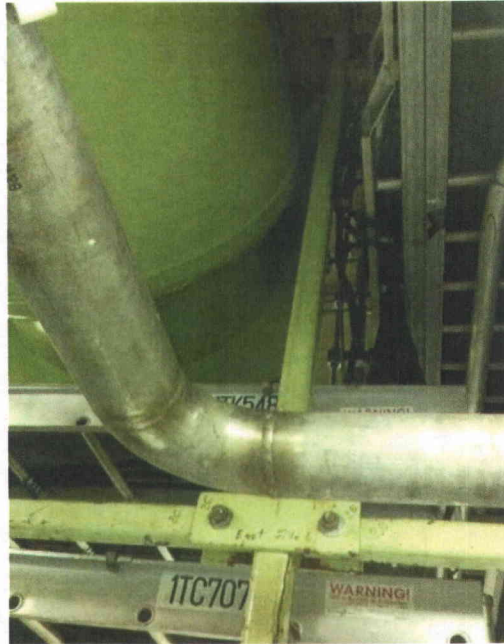
File Name: 1-60-1-4-46.jpeg  
Description: Fire system is rugged.

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

Status:  N  U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB



File Name: 1-65-1-4-46.jpeg  
Description: HSS hung cable tray is adequately braced



File Name: 1-66-1-4-46.jpeg  
Description: HSS hung cable tray is axially braced and judged a non issue.

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

Status:  N  U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB



File Name: 1-67-1-4-46.jpeg  
Description: Gas bottle with only one chain at top near Post Accident Sampling panel PA5C1 judged OK.



File Name: 1-68-1-4-46.jpeg  
Description: Surface corrosion, judged a non issue

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

Status:  N  U

Room Prim. Aux Bldg 735'6 E Central

Floor El. 735 Bldg. AXLB



File Name: 1-69-1-4-46.jpeg

Description: Support for CC Water Pump outlet is missing 1 bolt. Mounted on column near MOV RW 187. CR 2012-14047 was generated

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

Status:  Y     N     U

Room Prim Aux Bldg 735'6 W. Wall

Floor El. 735 Bldg. AXLB

**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			

*MCC 1-E4 1 Inch from adjacent panel. MCC is top braced by the top entry conduit and the panel is rigidly attached to wall. Judged no interaction concern.*

Related equipment on SWEL for this area:  
MCC-1-E4

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

Status:  Y     N     U

Room Prim Aux Bldg 735'6 W. Wall

Floor El. 735 Bldg. AXLB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

Y	N	U	N/A
X			

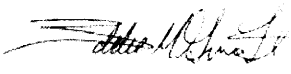
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

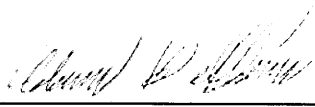
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room Prim Aux Bldg 735'6 W. Wall

Floor El. 735 Bldg. AXLB

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



File Name: 1-59-1-4-47.jpeg  
Description: General



File Name: 1-60-1-4-47.jpeg  
Description: MCC 1-E4 approximately 1 in from panel  
judged to have no interaction

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

Status: Y    **Ⓝ**    U

Room            QS-AFW Pump Room

Floor El.        735            Bldg.        SFGB

**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:

- FCV-1FW-103B
- FW-59
- FW-P-2
- FW-P-3A
- FW-T-2
- MOV-1FW-151E
- QS-P-1B





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

Status: Y        U

Room            QS-AFW Pump Room

Floor El.        735            Bldg.            SFGB

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



File Name: 1-59-1-4-50.jpeg  
Description: General 1



File Name: 1-60-1-4-50.jpeg  
Description: General 2

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

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

Room            QS-AFW Pump Room

Floor El.        735            Bldg.            SFGB



File Name: 1-65-1-4-50.jpeg  
Description: View of fire extinguisher located in the area



File Name: 1-66-1-4-50.jpeg  
Description: Corroded valve identified. CR-2012-13972 issued to address this condition.

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

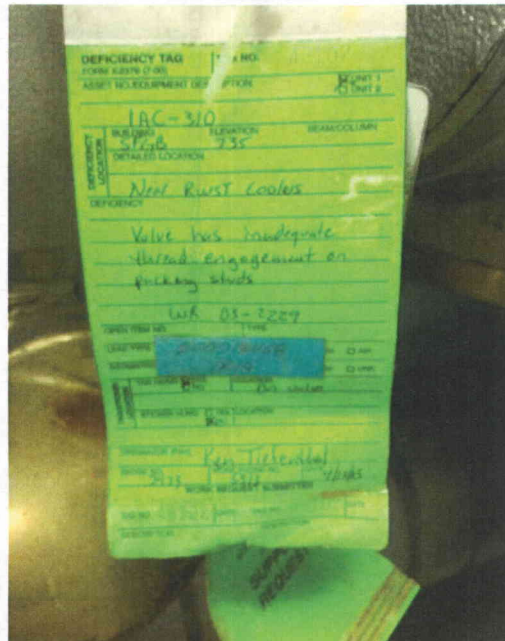
Status: Y     $\text{\textcircled{N}}$     U

Room                    QS-AFW Pump Room

Floor El.                735                    Bldg.                    SFGB



File Name: 1-67-1-4-50.jpeg  
Description: Corroded valve identified. CR-2012-13972 issued to address this condition.



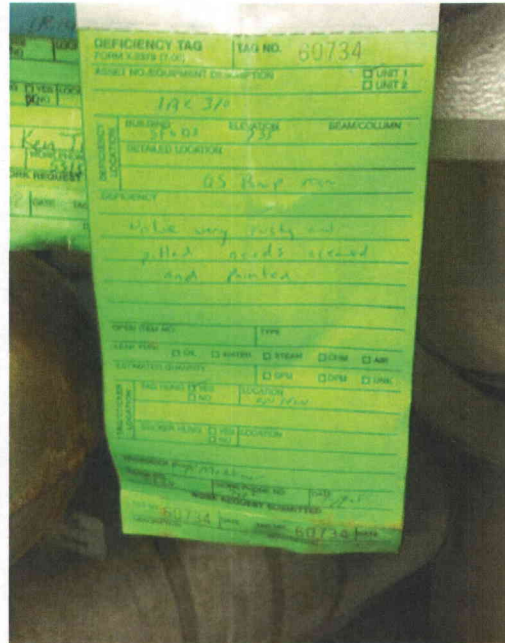
File Name: 1-68-1-4-50.jpeg  
Description: Example of very old deficiency tag.

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

Status: Y        U

Room            QS-AFW Pump Room

Floor El.        735            Bldg.            SFGB



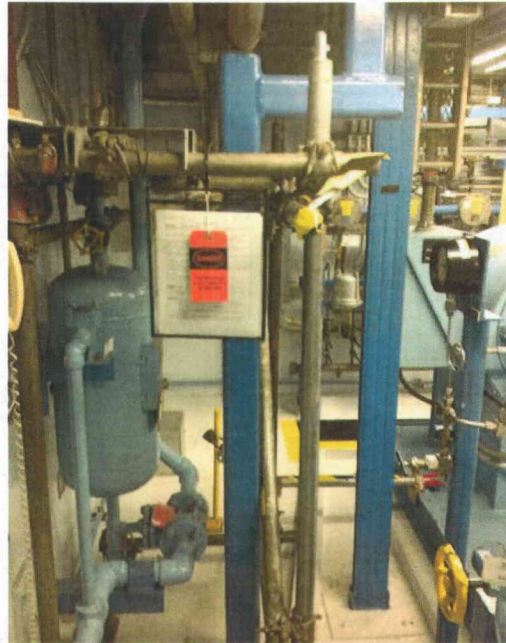
File Name: 1-69-1-4-50.jpeg  
Description: Very old deficiency tag

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

Status: Y        U

Room                    QS-AFW Pump Room

Floor El.              735                    Bldg.                    SFGB



File Name: 1-71-1-4-50.jpeg  
Description: Scaffold identified in the area. Judged not a seismic concern.



File Name: 1-72-1-4-50.jpeg  
Description: Fire pipe system appears secure, no risk identified.

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

Status:  Y     N     U

Room Service Building Floor 725

Floor El. 725 Bldg. SRVB

**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:  
1VS-F-55A

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

Status:  N  U

Room Service Building Floor 725

Floor El. 725 Bldg. SRVB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?

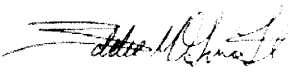
*Table in area is properly secured.*

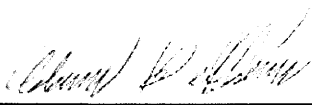
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:  N  U

Room Service Building Floor 725

Floor El. 725 Bldg. SRVB

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



File Name: 1-59-1-4-56.jpeg  
Description: General



File Name: 1-60-1-4-56.jpeg  
Description: Table, secured

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

Status:  N  U

Room Service Building Floor 725

Floor El. 725 Bldg. SRVB



File Name: 1-65-1-4-56.jpeg  
Description: General view of cable trays in the area



File Name: 1-66-1-4-56.jpeg  
Description: View of cast iron pipe located in the area.

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

Status:  Y     N     U

Room Valve Pit 688

Floor El. 747    Bldg. SFGB

**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:  
MOV-1SL-860B  
MOV-1SL-862A

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

Status:  Y     N     U

Room Valve Pit 688

Floor El. 747 Bldg. SFGB

**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			

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			

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			

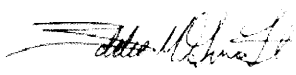
*Unsecured fire extinguishers are not considered significant. Unsecured lifting crane hook judged not to cause unacceptable interactions.*

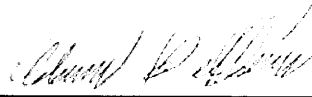
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Y	N	U
X		

*Found deficient tag from 2003 for MOV-1SI-864B. Condition report CR-2012-13974 issued to address this condition.*

**Comments** (Additional pages may be added as necessary)

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

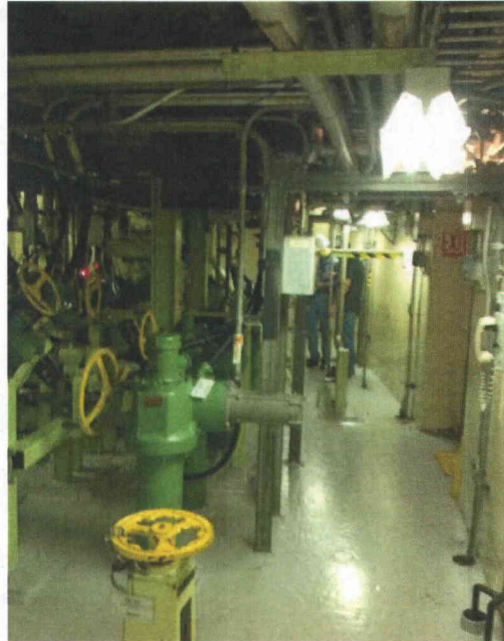
**Area Walk-By Checklist (AWC)**

Status:  N  U

Room Valve Pit 688

Floor El. 747 Bldg. SFGB

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



File Name: 1-59-1-4-58.jpeg  
Description: General 1



File Name: 1-60-1-4-58.jpeg  
Description: General 2

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

Status:  N  U

Room Valve Pit 688

Floor El. 747 Bldg. SFGB



File Name: 1-65-1-4-58.jpeg  
Description: Lifting hook unsecured. Judged not to cause interaction concerns.



File Name: 1-66-1-4-58.jpeg  
Description: Fire extinguisher

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

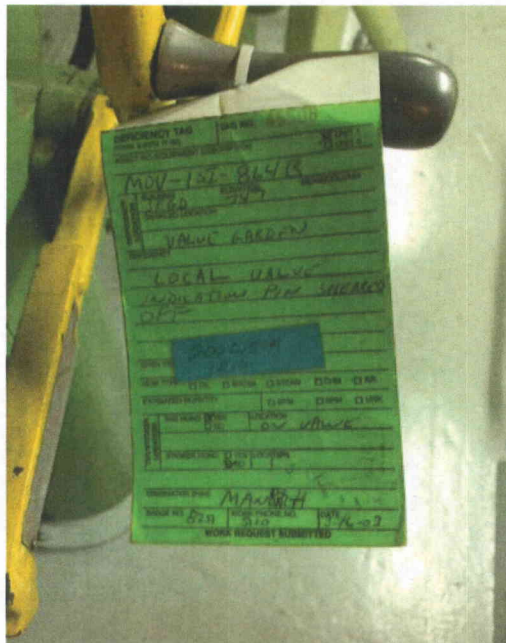
Status:  Y     N     U

Room                    Valve Pit 688

Floor El.              747                    Bldg.                    SFGB



File Name: 1-67-1-4-58.jpeg  
Description: Fire extinguisher



File Name: 1-69-1-4-58.jpeg  
Description: Deficient tag out of date.

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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB

**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			

*Small gap under base of one of the saddles of heat exchanger FC-E-1B judged not be an issue of 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			

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			

*Temp. gage T1-1FC-102B is on a 6" diam. nozzle out of HX FC-E-1B. There is a gap of ~3/16" between this temp. gage and rigid HVAC support. It is judged that the nozzle piping and HVAC support would not displace by 3/16" in a seismic event and this interaction is not credible.*

Related equipment on SWEL for this area:

- 1FC-E-1A
- 1FC-P-1A
- 1PC-145
- 1PC-1FC-102A



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

Status:  Y     N     U

Room Fuel Building

Floor El. 735 Bldg. FULB

**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?

*A space heater and its attached piping in the area are rod hung. Displacement of this heater in a seismic event would cause an interaction between its inlet piping and nearby large diameter pipe, which could potentially cause spray concern in the area. Lighting transformer LTG-TFMR-F2 and lighting panel AC-LTG-PNL-F2 are judged to be outside of the spray zone of this piping and judged acceptable. Also, no flooding concern for this area is identified.*

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?

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)?

*Unsecured fire extinguisher and posts do not pose seismic interactions. Scaffold in area is judged acceptable.*

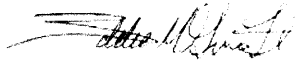
Y	N	U	N/A
X			


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

*One of ten bolts connecting the bonnet of manual valve ICCR-106 to its body does not have full thread engagement (approximately one-half thread is not engaged). Judged acceptable, as the valve is very light and has a very low moment arm. Similar thread engagement issue observed at Valve FC-E-1B and judged acceptable as-is.*

Y	N	U
X		

**Comments** (Additional pages may be added as necessary)

Evaluated by:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB

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



File Name: 1-59-3-4-60.jpeg  
Description: General



File Name: 1-60-3-4-60.jpeg  
Description: General 2

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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-65-3-4-60.jpeg  
Description: Nut at 12 o'clock not engaged on underside. Judged acceptable.



File Name: 1-66-3-4-60.jpeg  
Description: Underside of not engaged nut. Judged acceptable.

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

Status:  Y     N     U

Room                    Fuel Building

Floor El.              735                    Bldg.                    FULB



File Name: 1-67-3-4-60.jpeg  
Description: One nut with one-half thread engagement missing, judged acceptable.



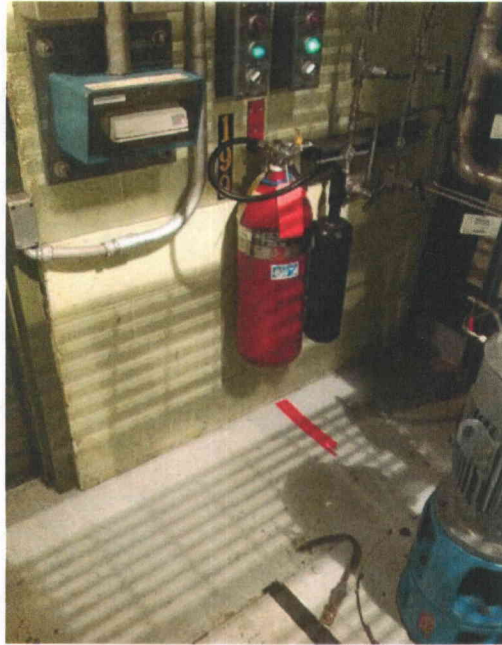
File Name: 1-68-3-4-60.jpeg  
Description: Small gap under base of FC-E-1B judged not a concern.

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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-69-3-4-60.jpeg  
Description: Fire extinguisher in area



File Name: 1-70-3-4-60.jpeg  
Description: Temperature gage near HVAC supports judged acceptable

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

Status:  Y     N     U

Room                    Fuel Building

Floor El.              735                    Bldg.                    FULB



File Name: 1-72-3-4-60.jpeg  
Description: Scaffold in area is adequately braced.

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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-74-3-4-60.jpeg  
Description: Posts located near component. Judged not a significant seismic concern.



File Name: 1-75-3-4-60.jpeg  
Description: Thread engagement at heat exchanger FC-E-1B nozzle is judged acceptable.

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

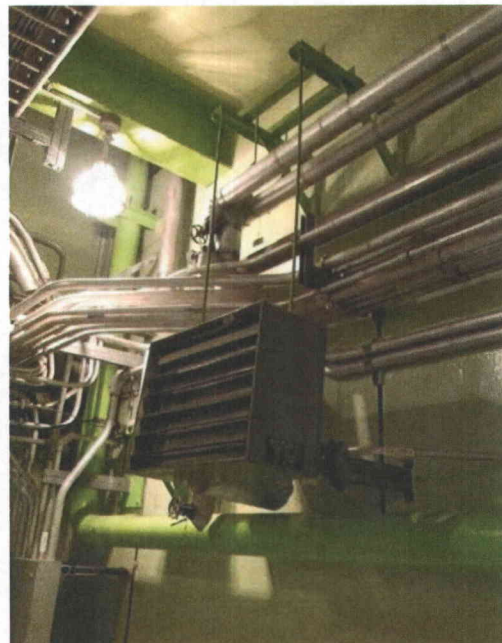
Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-76-3-4-60.jpeg  
Description: Cart, ladder, and fire pipe, all secured, judged a non issue.



File Name: 1-77-3-4-60.jpeg  
Description: View of space heater in the area.



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

Status:  N  U

Room Fuel Building

Floor El. 735 Bldg. FULB



File Name: 1-78-3-4-60.jpeg

Description: Lighting transformer and lighting panel are judged to be outside of potential spray hazard zone of the space heater

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

Status:  Y     N     U

Room Aux bldg768

Floor El. 768 Bldg. AXLB

**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			

*Block wall AB4-2, and AB4-3 are adequate by reference DSC-0055, and DSC-0056, respectively. These calculations are part of a follow-up seismic analysis in support of IE80-11 calculations.*

Related equipment on SWEL for this area:  
CH-BL-2

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

Status:  Y     N     U

Room Aux bldg768

Floor El. 768 Bldg. AXLB

**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?

*Water heater in area is not secured and may tip and spill. Spill from water heater is minor and is not considered a significant risk.*

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?

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)?

*Fire extinguisher in area unsecured, considered not significant. Gas bottles in the area are secured with only one chain at top and are judged acceptable as they do not cause any interaction concerns.*

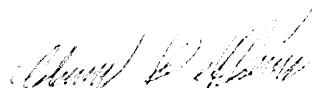
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

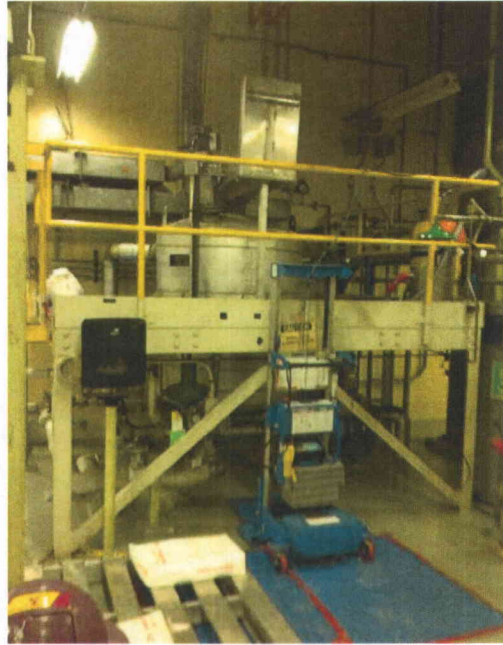
**Area Walk-By Checklist (AWC)**

Status:  Y     N     U

Room                    Aux bldg768

Floor El.              768                    Bldg.                    AXLB

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



File Name: 1-59-4-4-60.jpeg  
Description: General



File Name: 1-60-4-4-60.jpeg  
Description: Fire pipe looks secured judged a non issue

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

Status:  N  U

Room Aux bldg768

Floor El. 768 Bldg. AXLB



File Name: 1-65-4-4-60.jpeg  
Description: Unsecured poles, not heavy significant



File Name: 1-66-4-4-60.jpeg  
Description: Fire extinguisher in area and chained gas bottle judged not to be interaction concerns

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

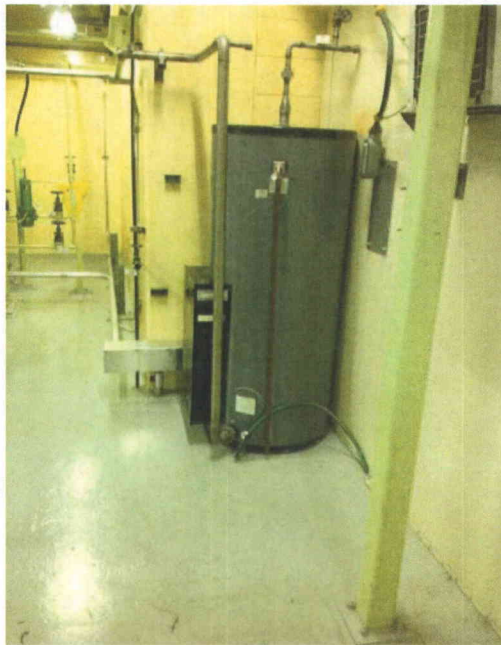
Status:  N  U

Room Aux bldg768

Floor El. 768 Bldg. AXLB



File Name: 1-67-4-4-60.jpeg  
Description: Block wall in area



File Name: 1-68-4-4-60.jpeg  
Description: Unsecured water heater may fall and flood

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

Status:  Y     N     U

Room West Cable Vault - SE Corner

Floor El. 735    Bldg. SFGB

**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 Tray above MCC-E11 is rod hung with minimal lateral support. Expected swing of about 2.5 inches is less than the available gap of 3.5 inches and therefore judged acceptable.*

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:  
1FW-PNL-100B

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

Status:  Y     N     U

Room West Cable Vault - SE Corner

Floor El. 735    Bldg. SFGB

**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?

*All piping are well supported in this area.*

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 ignition sources found in this area.*

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)?


*Ladder poorly secured at ladder station 34. Fire extinguishers in area are unsecured. These potential interactions are judged not credible.*

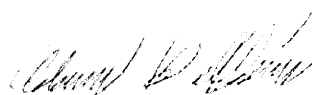
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich



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

Status:        N    U

Room                    West Cable Vault - SE Corner

Floor El.              735                    Bldg.                    SFGB

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



File Name: 1-59-1-4-60.jpeg  
Description: General



File Name: 1-60-1-4-60.jpeg  
Description: General 2

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

Status:  N  U

Room West Cable Vault - SE Corner

Floor El. 735 Bldg. SFGB



File Name: 1-65-1-4-60.jpeg  
Description: Poorly secured ladder at ladder station 34



File Name: 1-66-1-4-60.jpeg  
Description: Fire extinguisher unsecured in area

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

Status:  Y     N     U

Room                    West Cable Vault - SE Corner

Floor El.              735                    Bldg.                    SFGB



File Name: 1-67-1-4-60.jpeg  
Description: Cable tray is rod hung with minimal lateral support.



File Name: 1-68-1-4-60.jpeg  
Description: MCC-E11 and nearby cable tray

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

Status:  Y     N     U

Room                    West Cable Vault - SE Corner

Floor El.              735                    Bldg.                    SFGB



File Name: 1-69-1-4-60.jpeg  
Description: MCC-E11 and nearby cable tray

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

Status:  Y     N     U

Room            Relay Room

Floor El.        713            Bldg.        AXLB

**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:  
PNL-AC1-BUS-1E

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

Status:  Y     N     U

Room Relay Room

Floor El. 713 Bldg. AXLB

**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			

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			

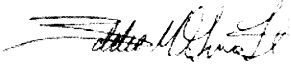
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

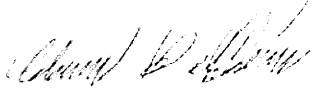
Y	N	U	N/A
X			

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:  Date: 9/28/2012  
Eddie M. Guerra

 Date: 9/28/2012  
Adam L. Helffrich

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

Status:  N  U

Room Relay Room

Floor El. 713 Bldg. AXLB

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



File Name: 1-59-5-4-60.jpeg  
Description: General 1



File Name: 1-60-5-4-60.jpeg  
Description: General 2

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

Status:  N  U

Room Relay Room

Floor El. 713 Bldg. AXLB



File Name: 1-65-5-4-60.jpeg  
Description: Fire extinguisher



File Name: 1-66-5-4-60.jpeg  
Description: Fire extinguisher



## APPENDIX D COMPONENT LIST FOR ANCHORAGE CONFIGURATION CHECK

Component ID	References
1CC-E-1A	Drawings RV-0076A and RV-0076B
1EE-EG-1	Calculation 52233-C-018, page 4/17
1EE-EG-2	Calculation 52233-C-018, page 4/17
1VS-F-55A	Vibration Eliminator Calculation for Models 55A-B
BAT-1-1	Drawing 8700-1.24-1E and Calculation 52233-C-016
BAT-1-2	Drawing 8700-1.24-1E and Calculation 52233-C-016
BAT-CHG-1-1	Calculation DSC-6698
CH-P-1C	Calculations CH-P-1C and 52233-C-007
CH-TK-1A	Calculation 52233-C-031
DC-SWBD1-1	Calculation 52233-C-014
DC-SWBD1-2	Calculation 52233-C-014
DC-SWBD1-3	Calculation 52233-C-014
DC-SWBD1-4	Calculation 52233-C-014
EE-P-1A	Calculation 52233-C-007
EE-TK-2A	Drawing RS-0019Q
FW-P-2	Drawing 08700-02.040-0005, Rev. E.
FW-P-3A	Drawing 02.040-0011B Drawing 8700-RC-21M Calculation 52233-C-007
INV-VITBUS1-1	Drawing RE-0038D Calculation 52233-C-017
INV-VITBUS1-3	Drawing RE-0038D Calculation 52233-C-017
INV-VITBUS1-4	Drawing RE-0038D Calculation 52233-C-017
MCC-1-E1	Calculation 52233-C-001
MCC-1-E12	Calculation 52233-C-001
MCC-1-E13	Calculation 52233-C-002
MCC-1-E6	Calculation 52233-C-001
MCC-1-E7	Calculation 52233-C-001
MCC-1-E8	Calculation 52233-C-001
PNL-1MS-101A	PNL-1MS-101A SEWS
PNL-1MS-101B	PNL-1MS-101B SEWS
PNL-DC1-3	Calculation PNL-DC1-3 Calculation 52233-C-015

<b>Component ID</b>	<b>References</b>
PNL-DGEA-1	PNL-DGEA-1 SEWS Calculation 52233-C-022
PNL-DIGEN-1	PNL-DIGEN-1 SEWS Calculation 52233-C-025
PNL-DIGEN-2	PNL-DIGEN-2 SEWS Calculation 52233-C-025
REAC-TR-SWGR-1A	Calculation 52233-C-003
RK-AUX-RPTST-A	RK-AUX-RPTST-A SEWS Calculation 52233-C-023
RK-NUC-INS-1	Calculation 52233-C-023
TRANS-1-8N1	Calculation 52233-C-006
VS-F-57B	Calculation 52233-C-010
WR-P-1A	Drawing 2C-5011 Calculation 52233-C-008
WR-P-1B	Drawing 2C-5011 Calculation 52233-C-008

**APPENDIX E MASONRY BLOCK WALLS VERIFIED UNDER IE  
BULLETIN 80-11**

<b>Elevation</b>	<b>Building</b>	<b>Wall</b>	<b>Seismically Analyzed</b>	<b>Reference</b>
713'-6"	SERVICE BUILDING	SB1-10	Yes	Calculation DSC-0089__1
		SB1-11	Yes	Calculation DSC-0090
		SB1-12	Yes	Calculation DSC-0091
		SB1-13	Yes	Calculation DSC-0092
		SB1-14	Yes	Calculation DSC-0089__2
		SB1-15	Yes	Calculation DSC-0093
		SB1-1	Yes	Calculation DSC-0080
		SB1-2	Yes	Calculation DSC-0081
		SB1-3	Yes	Calculation DSC-0082
		SB1-4	Yes	Calculation DSC-0083
		SB1-5	Yes	Calculation DSC-0084
		SB1-6	Yes	Calculation DSC-0085
		SB1-7	Yes	Calculation DSC-0086
		SB1-8	Yes	Calculation DSC-0087
		SB1-9	Yes	Calculation DSC-0088
722'-6"	AUX. BUILDING	AB1-1	Yes	Calculation DSC-0001
		AB1-3	Yes	Calculation DSC-0002
		AB1-4	Yes	Calculation DSC-0003
		AB1-5	Yes	Calculation DSC-0004
		AB1-6	Yes	Calculation DSC-0005
		AB1-7	Yes	Calculation DSC-0006
		AB1-8	Yes	Calculation DSC-0007
		AB1-9	Yes	Calculation DSC-0008
		AB1-10	Yes	Calculation DSC-0009
		AB1-11	Yes	Calculation DSC-0010
		AB1-12	Yes	Calculation DSC-0011
		AB1-13	Yes	Calculation DSC-0012
		AB1-14	Yes	Calculation DSC-0013
		AB1-15	Yes	Calculation DSC-0014
		AB1-16	Yes	Calculation DSC-0015
		AB1-17	Yes	Calculation DSC-0016
		AB1-18	Yes	Calculation DSC-0017
		AB1-19	Yes	Calculation DSC-0018
		AB1-20	Yes	Calculation DSC-0019
		AB1-21	Yes	Calculation DSC-1-21
		AB1-22	Yes	Calculation DSC-0021

<b>Elevation</b>	<b>Building</b>	<b>Wall</b>	<b>Seismically Analyzed</b>	<b>Reference</b>		
		AB1-23	Yes	Calculation DSC-0022		
		AB1-24	Yes	Calculation DSC-0023		
		AB1-25	No Wall	N/A		
		AB1-26	Yes	Calculation DSC-0024		
		AB1-27	Yes	Calculation DSC-0025		
		AB1-28	Yes	Calculation DSC-0026		
		AB1-29	Yes	Calculation DSC-0027		
		AB1-30	Yes	Calculation DSC-0028		
		AB1-31	Yes	Calculation DSC-0029		
		AB1-32	Yes	Calculation DSC-0030		
		AB1-33	Yes	Calculation DSC-0031		
		AB1-34	Yes	Calculation DSC-0032		
			CABLE VAULT	CV1-1	Yes	Calculation DSC-0069
				CV1-2	Yes	Calculation DSC-0070
CV1-3	Yes			Calculation DSC-0071		
CV1-4	Yes			Calculation DSC-0072		
CV1-5	Yes			Calculation DSC-0073		
CV1-6	Yes			Calculation DSC-0074		
CV1-7	Yes			Calculation DSC-0075		
725'-6"	SERVICE BUILDING	SB2-1	Yes	Calculation DSC-0094		
735'-6"	AUX. BUILDING	AB2-1	Yes	Calculation DSC-0035		
		AB2-2A	Yes	Calculation DSC-0036		
		AB2-2B	Yes	Calculation DSC-0037		
		AB2-3	Yes	Calculation DSC-0038		
		AB2-4	Yes	Calculation DSC-0039		
		AB2-5	Yes	Calculation DSC-0040		
		AB2-6	Yes	Calculation DSC-0041		
		AB2-7	Yes	Calculation DSC-0042		
		AB2-8	Yes	Calculation DSC-0043		
	FUEL BUILDING	FB1-1	Yes	Calculation DSC-0078		
		FB1-2	Yes	Calculation DSC-0079		
	SERVICE BUILDING	SB3-1	Yes	Calculation DSC-0095_1		
		SB3-10	Yes	Calculation DSC-0104		
		SB3-11	Yes	Calculation DSC-0105		
		SB3-12	Yes	Calculation DSC-0106		
		SB3-13	Yes	Calculation DSC-0107		
		SB3-2	Yes	Calculation DSC-0096		
SB3-3		Yes	Calculation DSC-0097			

<b>Elevation</b>	<b>Building</b>	<b>Wall</b>	<b>Seismically Analyzed</b>	<b>Reference</b>
		SB3-4	Yes	Calculation DSC-0098
		SB3-5	Yes	Calculation DSC-0099_1
		SB3-6	Yes	Calculation DSC-0100
		SB3-7	Yes	Calculation DSC-0101
		SB3-8	Yes	Calculation DSC-0102
		SB3-9	Yes	Calculation DSC-0103
	CABLE VAULT	CV2-1	Yes	Calculation DSC-0076
		CV2-2	Yes	Calculation DSC-0077
743'-6"	AUX. BUILDING	AB1-35	Yes	Calculation DSC-0033
		AB1-36	Yes	Calculation DSC-0034
752'-6"	AUX. BUILDING	AB3-1	Yes	Calculation DSC-0044
		AB3-10	Yes	Calculation DSC-0053
		AB3-11	Yes	Calculation DSC-0053Z
		AB3-2	Yes	Calculation DSC-0045
		AB3-3	Yes	Calculation DSC-0046
		AB3-4	Yes	Calculation DSC-0047
		AB3-5	Yes	Calculation DSC-0048
		AB3-6	Yes	Calculation DSC-0049
		AB3-7	Yes	Calculation DSC-0050
		AB3-8	Yes	Calculation DSC-0051
		AB3-9	Yes	Calculation DSC-0052
768'-7"	AUX. BUILDING	AB4-1	Yes	Calculation DSC-0054
		AB4-10	Yes	Calculation DSC-0063
		AB4-11	Yes	Calculation DSC-0064
		AB4-12	Yes	Calculation DSC-0065
		AB4-13	Yes	Calculation DSC-0066
		AB4-14	Yes	Calculation DSC-0067
		AB4-15	Yes	Calculation DSC-0068
		AB4-2	Yes	Calculation DSC-0055
		AB4-3	Yes	Calculation DSC-0056
		AB4-4	Yes	Calculation DSC-0057
		AB4-5	Yes	Calculation DSC-0058
		AB4-6	Yes	Calculation DSC-0059
		AB4-7	Yes	Calculation DSC-0060
		AB4-8	Yes	Calculation DSC-0061
		AB4-9	Yes	Calculation DSC-0062