

APPENDIX B: SEISMIC WALK-DOWN CHECKLISTS (SWCs)

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description FPCC Surge Tank

Location: Bldg. IB Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Tall vertical tank. At top penetrates ceiling at elevation 620. Top bracing provided by floor slab.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

Surrounding area found in adequate condition.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description FPCC Surge Tank

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

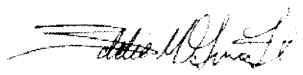
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description FPCC Surge Tank

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



File Name: 2-61-1-4-22.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-22.jpeg
Description: General view of component

Status: N U

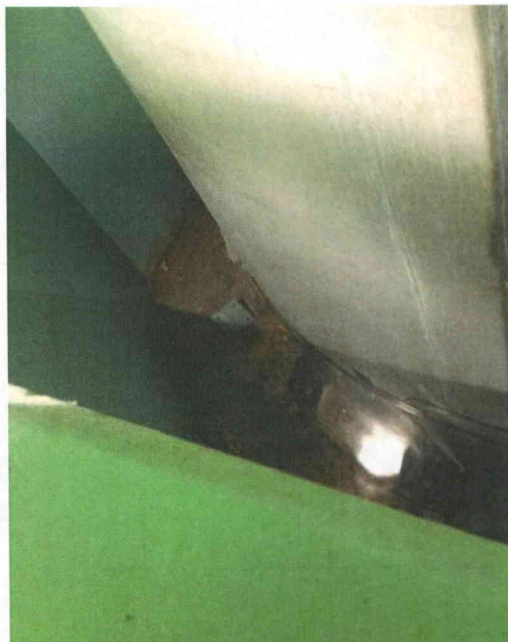
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description FPCC Surge Tank



File Name: 2-63-1-4-22.jpeg
Description: View of attached lines to component



File Name: 2-64-1-4-22.jpeg
Description: View of component anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump A

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Anchored with 10 - 7/8" diam anchor bolts on ~6" concrete pad.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 18_0019-00000_004.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

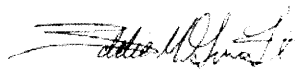
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

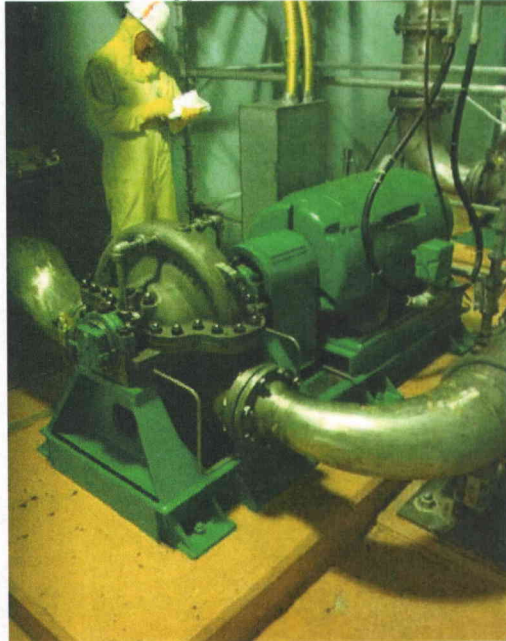
Status: ⓧ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump A

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



File Name: 2-61-2-4-21.jpeg
Description: General view of component



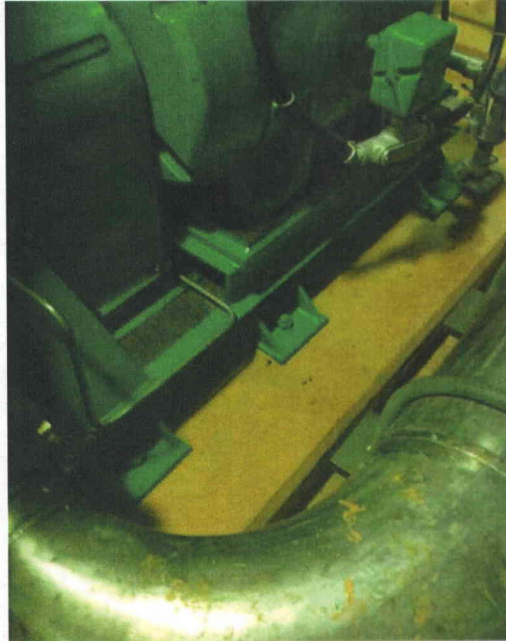
File Name: 2-62-2-4-21.jpeg
Description: View of attached lines

Status: N U

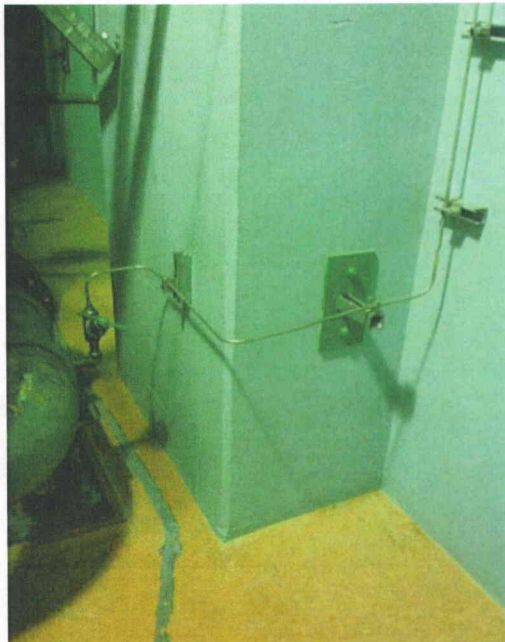
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A Equip. Class 5. Horizontal Pumps

Equipment Description FCC Pump A



File Name: 2-63-2-4-21.jpeg
Description: View of component anchorage configuration



File Name: 2-64-2-4-21.jpeg
Description: View of small tube line supports

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003B Equip. Class 5. Horizontal Pumps

Equipment Description FPC Pump B

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | | | | | | | | | |
|---|---|---|-----|---|-----|---|--|--|--|
| <p>1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</p> <p><i>Anchored with 10 - 7/8" diam anchor bolts on ~6" concrete pad.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | X | | | | | |
| Y | N | | | | | | | | |
| X | | | | | | | | | |
| <p>2. Is the anchorage free of bent, broken, missing or loose hardware?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>3. Is the anchorage free of corrosion that is more than mild surface oxidation?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>4. Is the anchorage free of visible cracks in the concrete near the anchors?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)</p> <p><i>Anchorage configuration confirmed by Drawing 18_0019-00000_004.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | X | | | | |
| Y | N | U | | | | | | | |
| X | | | | | | | | | |

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003B Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump B

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

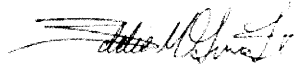
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

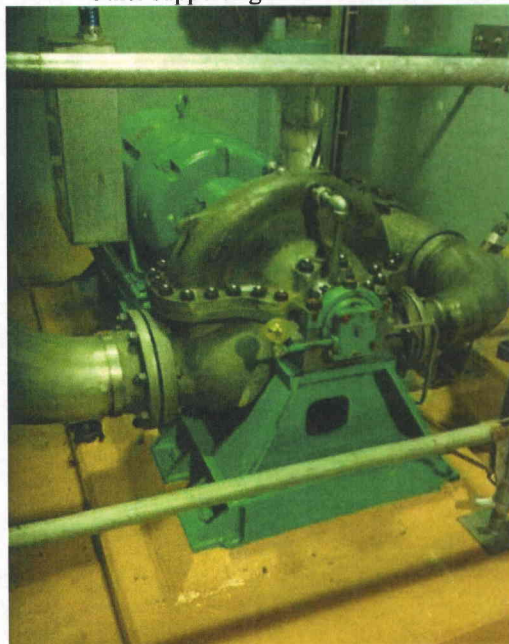
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003B Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump B

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



File Name: 2-61-1-4-21.jpeg
Description: General view of component



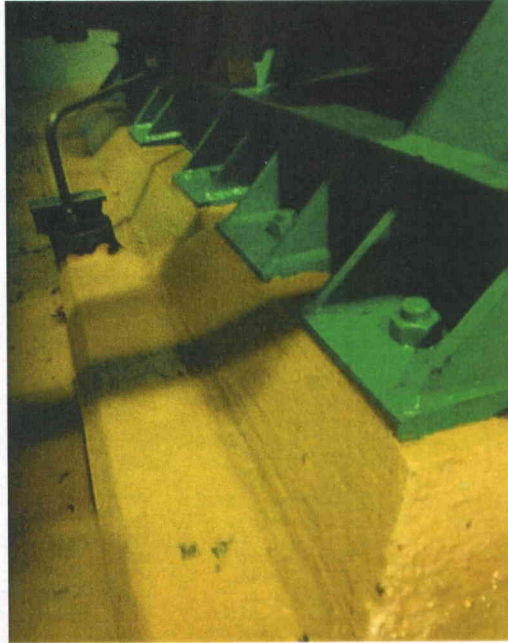
File Name: 2-62-1-4-21.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003B Equip. Class 5. Horizontal Pumps

Equipment Description FPCC Pump B



File Name: 2-63-1-4-21.jpeg
Description: View of component anchorage configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump Suction Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | |
|---|---|
| Y | N |
| | X |
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
Small manual valve on ~14" diam pipe line. No degraded condition identified.
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
2. Is the anchorage free of bent, broken, missing or loose hardware?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
3. Is the anchorage free of corrosion that is more than mild surface oxidation?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
4. Is the anchorage free of visible cracks in the concrete near the anchors?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
- | | | |
|---|---|---|
| Y | N | U |
| X | | |
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump Suction Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

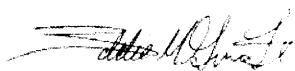
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

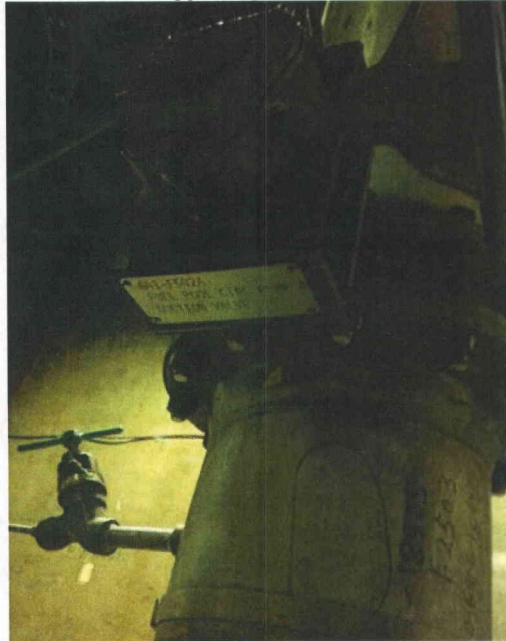
Status: N U

Seismic Walkdown Checklist (SWC)

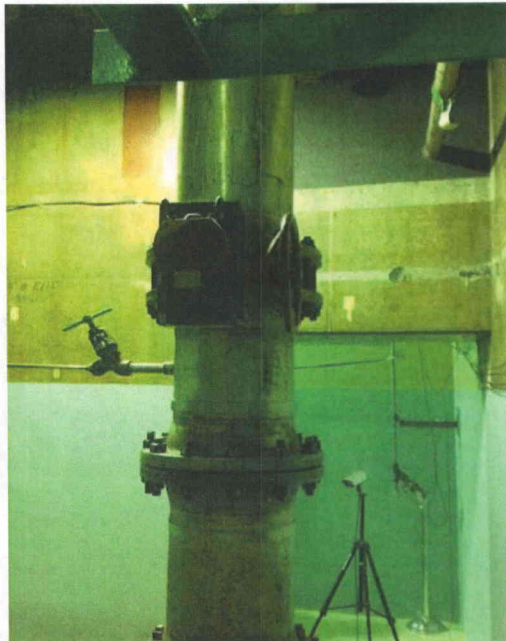
Equipment ID No. 0G41F0542A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump Suction Valve

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



File Name: 2-61-6-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-6-1-21.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Suction Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Small manual valve on ~14" diam pipe line. No degraded condition identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Suction Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

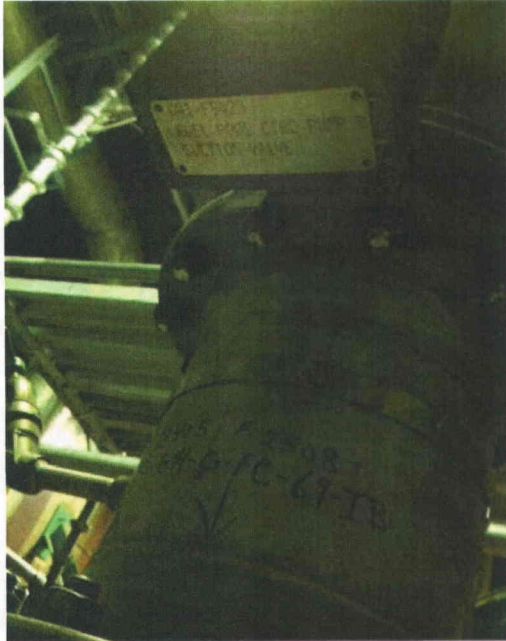
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Suction Valve

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



File Name: 2-61-7-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-7-1-21.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPC Pump A Disch Check Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Inline check valve on ~14" diam pipe line. Pipe line shows adequate support. No degraded condition identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump A Disch Check Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

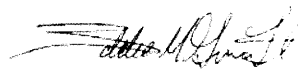
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump A Disch Check Valve

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



File Name: 2-61-3-4-21.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-21.jpeg
Description: View of valve location in pipe main line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump A Disch Check Valve



File Name: 2-63-3-4-21.jpeg
Description: View of main pipe line connected to component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump B Disch Check Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Inline check valve on ~14" diam pipe line. Pipe line shows adequate support. No degraded condition identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump B Disch Check Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

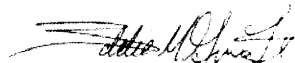
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump B Disch Check Valve

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



File Name: 2-61-4-4-21.jpeg

Description: View of valve location in main pipe line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump A Discharge Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small manual valve on ~14" diam pipe line. No degraded condition identified.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump A Discharge Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

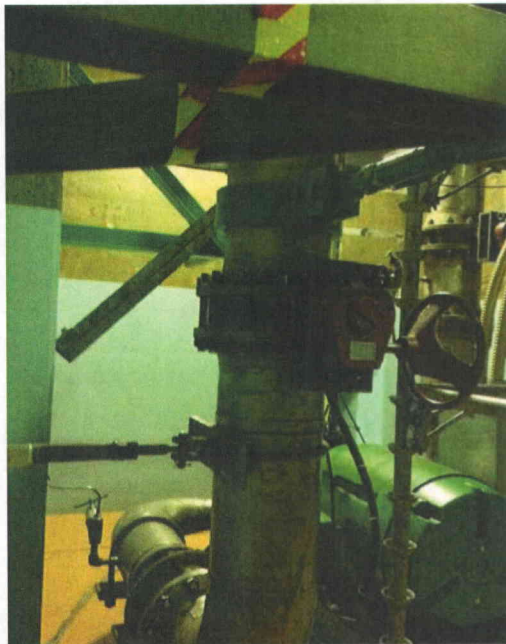
Equipment ID No. 0G41F0546A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump A Discharge Valve

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



File Name: 2-61-5-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-5-1-21.jpeg
Description: View of valve location in pipe main line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Discharge Isol Valve

Location: Bldg. IB Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Small manual valve on ~14" diam pipe line. No degraded condition identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Discharge Isol Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

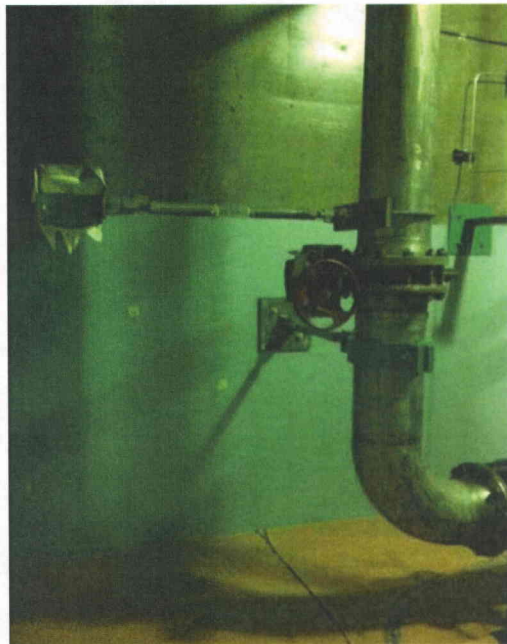
Equipment ID No. 0G41F0546B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Discharge Isol Valve

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



File Name: 2-61-8-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-8-1-21.jpeg
Description: View of wall mounted pipe line support

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Discharge Isol Valve



File Name: 2-63-8-1-21.jpeg
Description: View of pipe line support configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0039 Equip. Class 20. Instrument and Control Panels

Equipment Description ECC & ESW Inst Rack

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Braced rack made of L2x2x1/4. Anchored with 8-1/2" anchors. Rack is on a ~6" concrete pad.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

No significant corrosion identified.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Document SP-594 confirms the anchorage configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0039 Equip. Class 20. Instrument and Control Panels

Equipment Description ECC & ESW Inst Rack

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

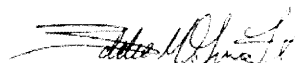
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

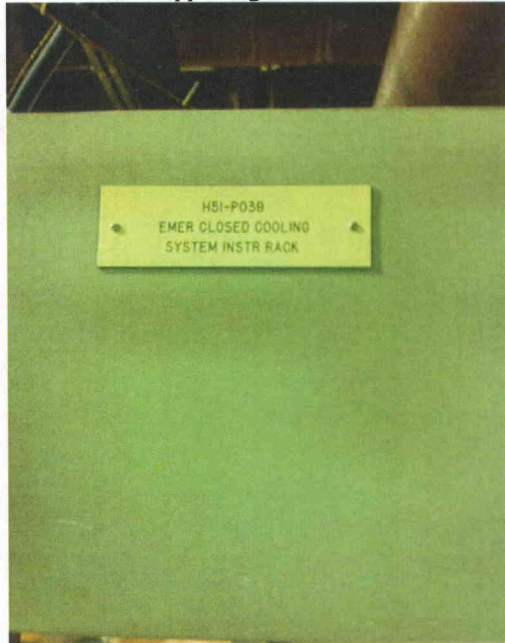
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0039 Equip. Class 20. Instrument and Control Panels

Equipment Description ECC & ESW Inst Rack

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



File Name: 2-61-6-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-6-4-01.jpeg
Description: General view of component

Status: N U

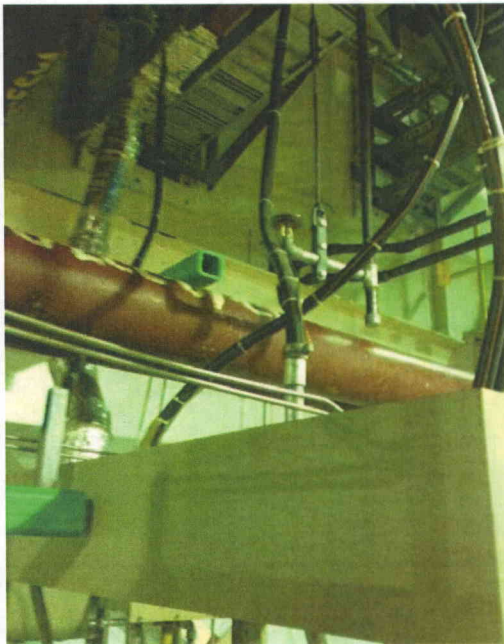
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0039 Equip. Class 20. Instrument and Control Panels

Equipment Description ECC & ESW Inst Rack



File Name: 2-63-6-4-01.jpeg
Description: Anchorage view of component



File Name: 2-64-6-4-01.jpeg
Description: View of attached top lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Braced rack made of L2x2x1/4. Anchored with 8-1/2" anchors. Rack is on a ~6" concrete pad.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Document SP-594 confirms the anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

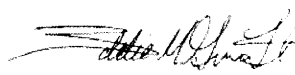
Y	N	U
X		

Other Adverse Conditions

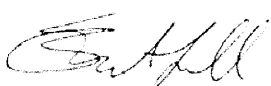
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A

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



File Name: 2-61-7-4-01.jpeg
Description: Component Plate ID



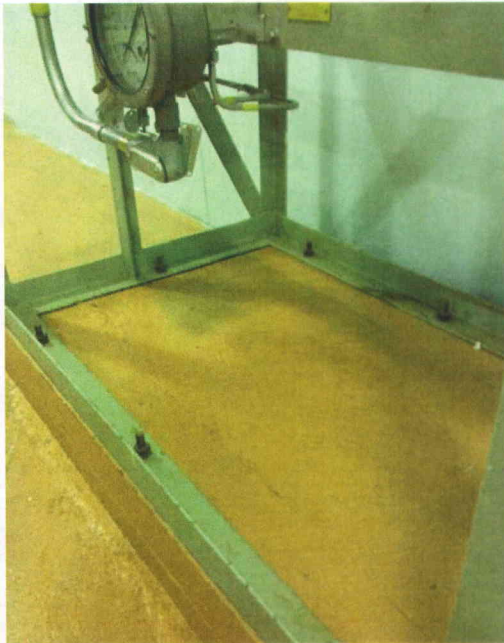
File Name: 2-62-7-4-01.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A



File Name: 2-63-7-4-01.jpeg
Description: Anchorage view of component



File Name: 2-64-7-4-01.jpeg
Description: View of attached top lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Mounted to HX skid on two steel plates (L shape, ~1/2" thick) braced with cantilever posts. Posts welded all around to HX steel framing. Panel attached to framing w/ 4-3/8" diam. machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

None observed during inspection.

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

None observed during inspection.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Fire protection piping not directly above panel.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

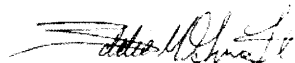
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel

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



File Name: 2-61-1-1-01.jpeg
Description: Component Plate ID



File Name: 2-62-1-1-01.jpeg
Description: General view of component

Status: N U

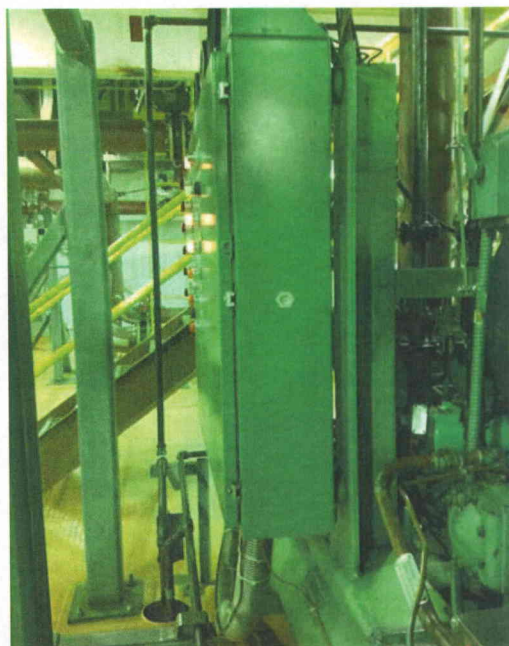
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel



File Name: 2-63-1-1-01.jpeg
Description: Isolator close up



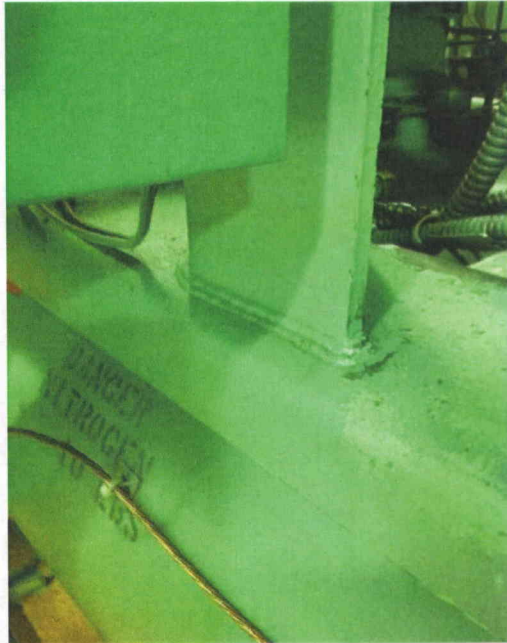
File Name: 2-64-1-1-01.jpeg
Description: Isolators, plate welded to chiller

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel



File Name: 2-73-1-1-01.jpeg
Description: Control panel base weld detail



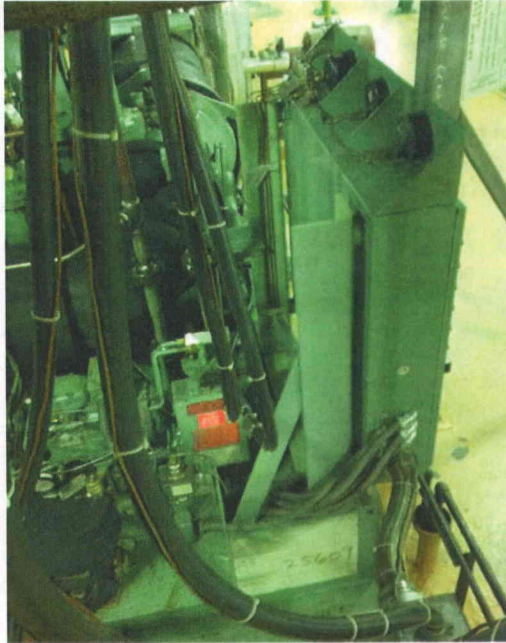
File Name: 2-94-1-1-01.jpeg
Description: Left side isolators attached to L

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel



File Name: 2-95-1-1-01.jpeg
Description: Back view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310 Equip. Class 20. Instrument and Control Panels

Equipment Description Local Panel

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Mounted on a HSS6x6 post anchored to floor through its baseplate with 4-1/2" diam. anchor bolts. Two other components attached to post: P49N0040A-B by 2 - 1/4" diam anchors and P49N0040A with 4 - 1/2" diam anchors.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310 Equip. Class 20. Instrument and Control Panels

Equipment Description Local Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

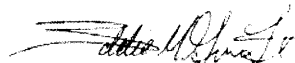
Y	N	U
X		

Other Adverse Conditions

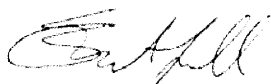
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310 Equip. Class 20. Instrument and Control Panels

Equipment Description Local Panel

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



File Name: 2-61-3-1-05.jpeg
Description: Component Plate ID



File Name: 2-62-3-1-05.jpeg
Description: Attached lines with adequate flexibility

Status: N U

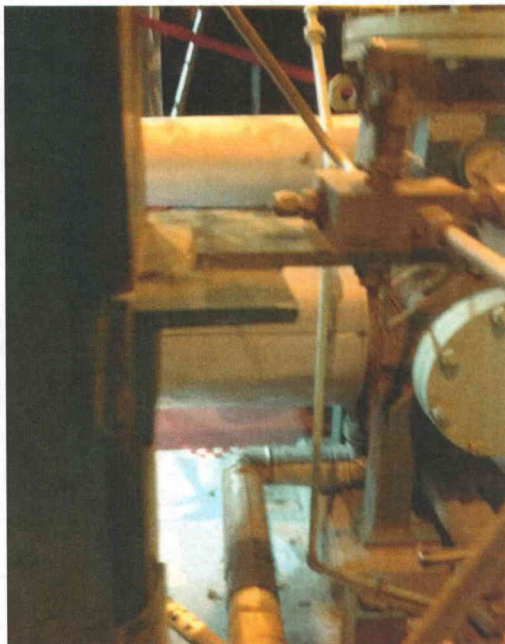
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310 Equip. Class 20. Instrument and Control Panels

Equipment Description Local Panel



File Name: 2-63-3-1-05.jpeg
Description: Anchorage view of component



File Name: 2-64-3-1-05.jpeg
Description: Close up view of angle support

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310 Equip. Class 20. Instrument and Control Panels

Equipment Description Local Panel



File Name: 2-73-3-1-05.jpeg
Description: Instrumentation support detail



File Name: 2-94-3-1-05.jpeg
Description: Differential not expected

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A

Location: Bldg. CC Floor El. 679

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Large fan supported by four C5 channels from floor. C4's welded to embedded angles with at least 10" of wrap around welds. Fan motor on concrete pad attached to angle embeds with 4 - 3/4" bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?
Several hairline cracks identified but judged no adverse condition.

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 68-0112.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

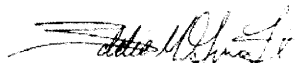
Y	N	U
X		

Other Adverse Conditions

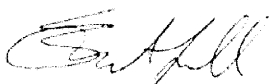
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A

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



File Name: 2-61-3-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-04.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A



File Name: 2-63-3-4-04.jpeg
Description: General view of anchorage



File Name: 2-64-3-4-04.jpeg
Description: General view of Component

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A



File Name: 2-73-3-4-04.jpeg
Description: View of attached line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description Return Fan M23-C0002A

Location: Bldg. CC Floor El. 679

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Large fan supported by four C5 channels from floor. C4's welded to embedded angles with at least 10" of wrap around welds. Fan motor on concrete pad attached to angle embeds with 4 - 3/4" bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?
Several hairline cracks identified but judged no adverse condition.

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 68-0112.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description Return Fan M23-C0002A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

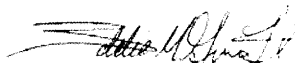
Y	N	U
X		

Other Adverse Conditions

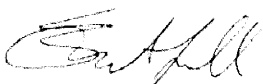
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description Return Fan M23-C0002A

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



File Name: 2-61-3-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-04.jpeg
Description: General view of Component

Status: N U

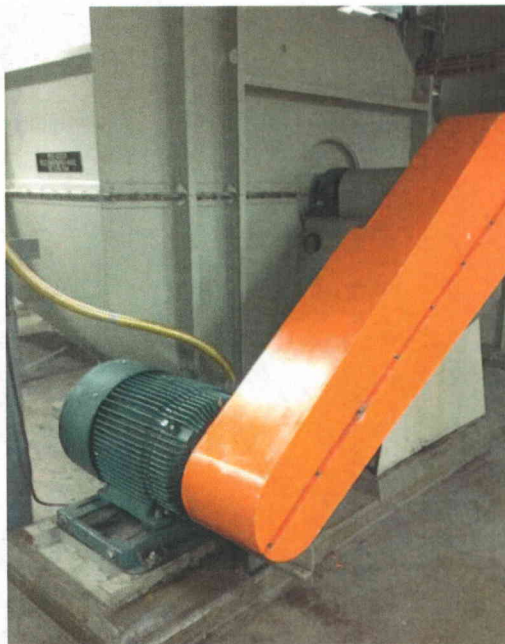
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description Return Fan M23-C0002A



File Name: 2-63-3-4-04.jpeg
Description: General view of anchorage



File Name: 2-64-3-4-04.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description Return Fan M23-C0002A



File Name: 2-73-3-4-04.jpeg
Description: View of attached line

Status:

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Supply Fan Vortex Damper

Location: Bldg. CC Floor El. 679

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Small motor operator on heavy braced frame. Anchored to floor with 16 - 5/8" diam anchor bolts. Operator attached to frame with 4 - 1/4" diam machine bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Supply Fan Vortex Damper

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

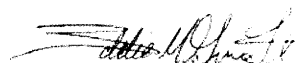
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Supply Fan Vortex Damper

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



File Name: 2-61-1-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-04.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Supply Fan Vortex Damper



File Name: 2-63-1-4-04.jpeg
Description: View of attached lines



File Name: 2-64-1-4-04.jpeg
Description: General view of anchorage

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | | | | | | | | | |
|---|---|---|-----|---|-----|---|--|--|--|
| <p>1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</p> <p><i>Chiller mounted on two steel ~8" HSS sections anchored with 4 - 1 3/4" anchor bolts to a 6"-thick concrete pad. Motor and pump on the same skid.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | X | | | | | |
| Y | N | | | | | | | | |
| X | | | | | | | | | |
| <p>2. Is the anchorage free of bent, broken, missing or loose hardware?</p> <p><i>Anchors inspected found in adequate condition.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>3. Is the anchorage free of corrosion that is more than mild surface oxidation?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>4. Is the anchorage free of visible cracks in the concrete near the anchors?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>5. Is the anchorage configuration consistent with plant documentation?</p> <p><i>(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)</i></p> <p><i>Anchorage configuration confirmed by Drawing 414-046, Auxiliary Plan "K".</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | X | | | | |
| Y | N | U | | | | | | | |
| X | | | | | | | | | |

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
No potential interaction hazards identified.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

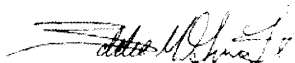
Y	N	U
X		

Other Adverse Conditions

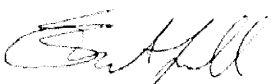
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

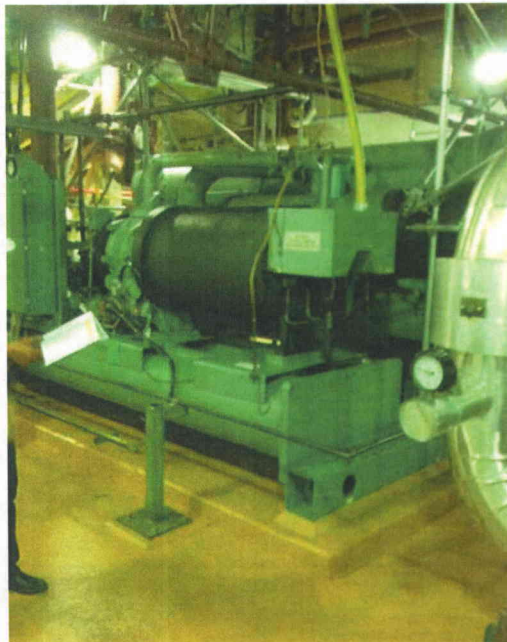
Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A

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



File Name: 2-61-8-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-01.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A



File Name: 2-63-8-4-01.jpeg
Description: Scaffolding located in the area



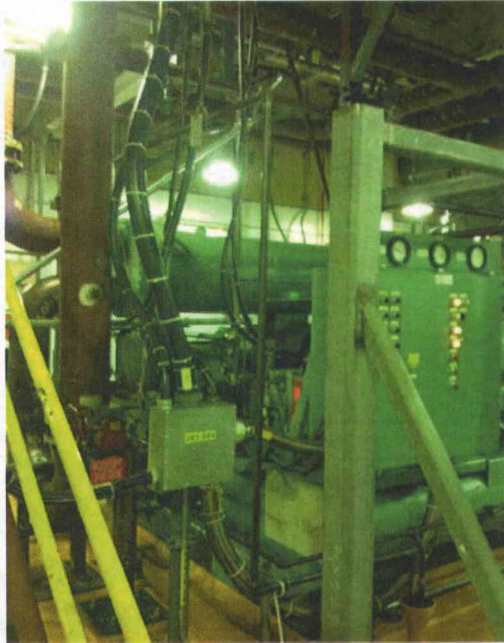
File Name: 2-64-8-4-01.jpeg
Description: View of insulation material in concrete wall

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A



File Name: 2-73-8-4-01.jpeg
Description: View of flexible attached lines



File Name: 2-94-8-4-01.jpeg
Description: View of anchorage condition

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A



File Name: 2-95-8-4-01.jpeg
Description: View of mounting base detail

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47C0001A Equip. Class 5. Horizontal Pumps

Equipment Description CCCW Pump

Location: Bldg. CC Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Pump housing mounted on steel boxed base anchored with 6 -7/8" diam anchors spaced around 3ft each

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Pump housing found with good exterior condition.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 414-046, Foundation Plan "G"

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47C0001A Equip. Class 5. Horizontal Pumps

Equipment Description CCCW Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Hanging lights identified above component. Judged not to be an adverse condition.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

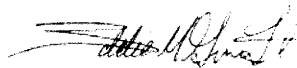
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

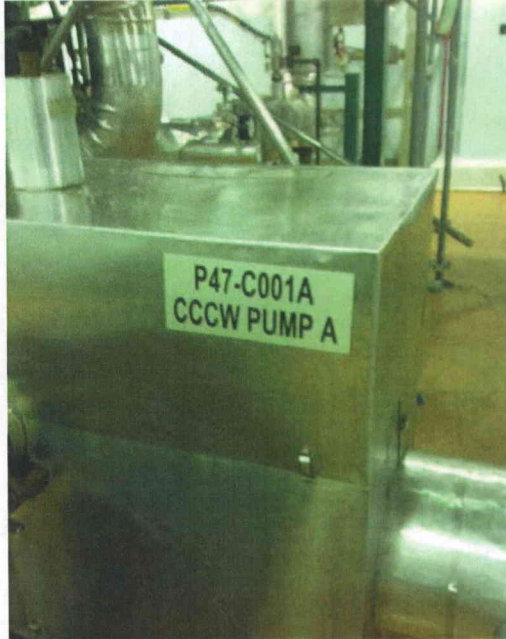
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47C0001A Equip. Class 5. Horizontal Pumps

Equipment Description CCCW Pump

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



File Name: 2-61-5-4-01.jpeg
Description: Component Plate ID



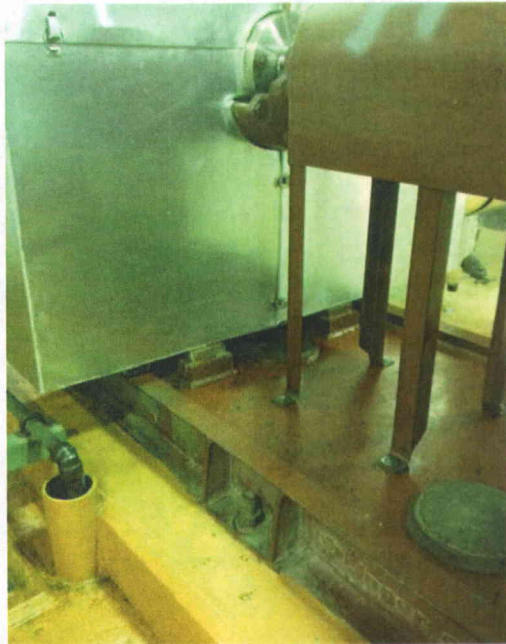
File Name: 2-62-5-4-01.jpeg
Description: General view of component

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47C0001A Equip. Class 5. Horizontal Pumps

Equipment Description CCCW Pump



File Name: 2-63-5-4-01.jpeg
Description: Anchorage view of component



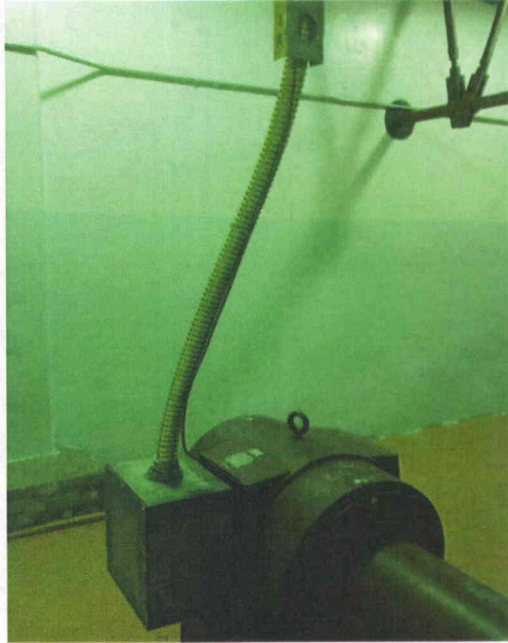
File Name: 2-64-5-4-01.jpeg
Description: View of attached lines at component base

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47C0001A Equip. Class 5. Horizontal Pumps

Equipment Description CCCW Pump



File Name: 2-73-5-4-01.jpeg
Description: View of flexible attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | | | | | | | | | |
|---|---|---|-----|---|-----|---|--|--|--|
| <p>1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
<i>Anchored with 7 - 1/2" diam anchors.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | X | | | | | |
| Y | N | | | | | | | | |
| X | | | | | | | | | |
| <p>2. Is the anchorage free of bent, broken, missing or loose hardware?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>3. Is the anchorage free of corrosion that is more than mild surface oxidation?
<i>Slight surface corrosion identified on anchor bolts and base plates. Judged not to affect operability and seismic capacity.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>4. Is the anchorage free of visible cracks in the concrete near the anchors?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
<i>Drawing 22_-0027-00001_008 confirms anchorage configuration.</i></p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> <td style="padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | N/A | X | | | |
| Y | N | U | N/A | | | | | | |
| X | | | | | | | | | |
| <p>6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</p> | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> <td style="padding: 2px;">U</td> </tr> <tr> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table> | Y | N | U | X | | | | |
| Y | N | U | | | | | | | |
| X | | | | | | | | | |

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Scaffolding identified next to screen. Scaffolding properly tied and supported thus no adverse potential condition.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

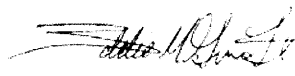
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen

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



File Name: 2-61-2-4-05.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-05.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen



File Name: 2-63-2-4-05.jpeg
Description: View of component mounting base



File Name: 2-64-2-4-05.jpeg
Description: Anchorage view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen



File Name: 2-73-2-4-05.jpeg
Description: View of anchorage detail



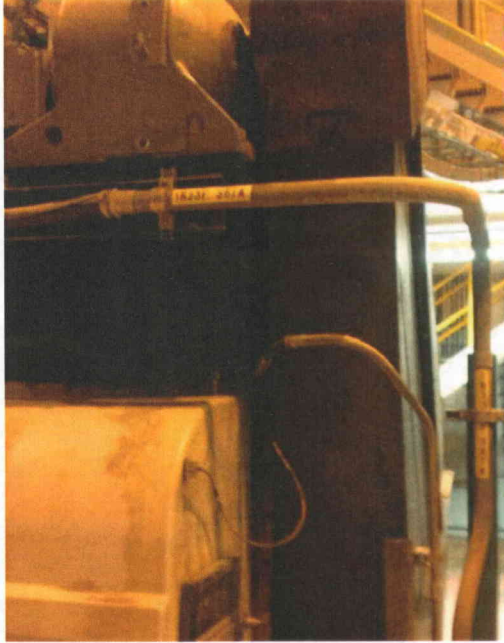
File Name: 2-94-2-4-05.jpeg
Description: Scaffold located near component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen



File Name: 2-95-2-4-05.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49F0502A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description ESW Check Valve

Location: Bldg. EW Floor El. 586

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Valve is inside an insulation/protective covering. It is on a short pipe between two well anchored screen wash pumps.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49F0502A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description ESW Check Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49F0502A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description ESW Check Valve

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



File Name: 2-61-6-1-05.jpeg
Description: Component Plate ID



File Name: 2-62-6-1-05.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Inside MCC EF1A09. Anchored with welds on shims that are plug welded to base perimeter concrete pad angles. 20 shims at front and 17 shims at back of MCC. 3 - 3" welds at back of the first section. This configuration was addressed adequately in calculation SQ-0178 for ECP 02-0184 rev 0. No further action was required.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Document "Class 1E MCC Seismic Qualification" confirms the anchorage configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020 Equip. Class I. Motor Control Centers

Equipment Description 480 V MCC EF1A09

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

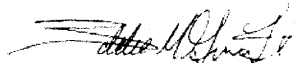
Y	N	U
X		

Other Adverse Conditions

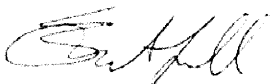
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. OR24S0020 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09

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



File Name: 2-61-11-4-06.jpeg
Description: Component Plate ID



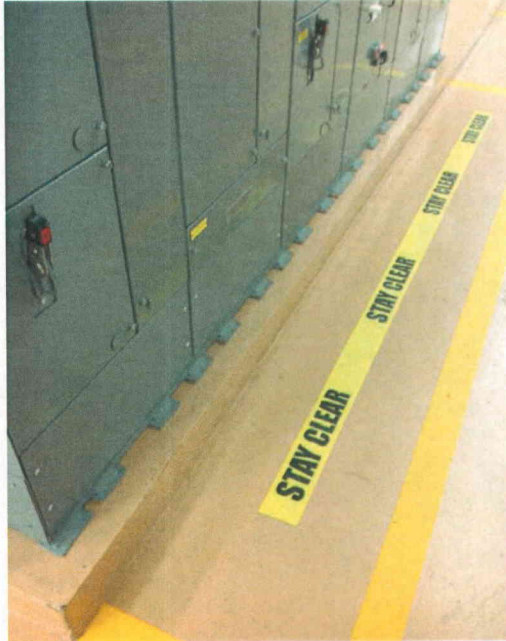
File Name: 2-62-11-4-06.jpeg
Description: General view of component

Status: N U

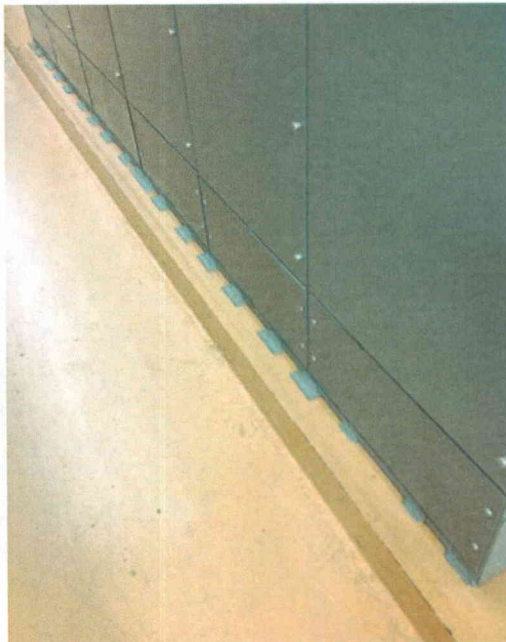
Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09



File Name: 2-63-11-4-06.jpeg
Description: View of base anchorage detail



File Name: 2-64-11-4-06.jpeg
Description: View of base anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09



File Name: 2-73-11-4-06.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Mounted on C4 channels each one welded to embed perimeter pad angle with ~18" of 1/4" welds at flanges of C4's. Charger to C4 flange connected with 6 - 1/2" diam drilled tapped bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Hanging fluorescent lights identified with compression-type fittings. Judged adequate to prevent falling of fluorescent tubes.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

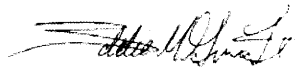
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

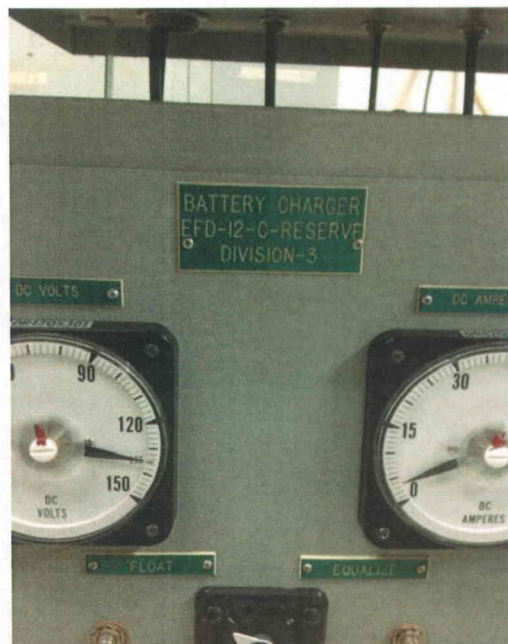
Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger

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



File Name: 2-61-6-1-06.jpeg
Description: Component Plate ID



File Name: 2-62-6-1-06.jpeg
Description: Component Plate ID

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger



File Name: 2-63-6-1-06.jpeg
Description: General view of component



File Name: 2-64-6-1-06.jpeg
Description: View of base anchorage detail

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger



File Name: 2-73-6-1-06.jpeg
Description: View of base anchorage detail



File Name: 2-94-6-1-06.jpeg
Description: View of mounting base detail

Status: Ⓢ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger



File Name: 2-95-6-1-06.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0067C Equip. Class 18. Instrument (on) Racks

Equipment Description Press Element

Location: Bldg. CO Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Rack mounted, attached to P1000 with 4 - 1/4" diam. Rack attached to steel framing with 14 - 5/8" diam machine bolts. Bolted to adjacent racks.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Slight surface corrosion identified but judged not a concern.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0067C Equip. Class 18. Instrument (on) Racks

Equipment Description Press Element

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

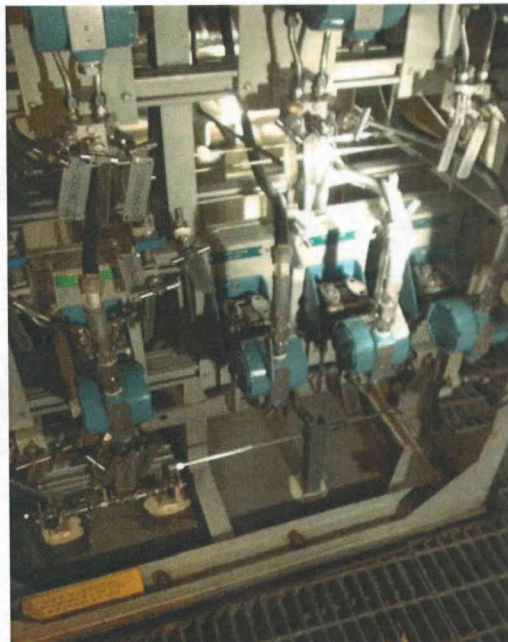
Equipment ID No. 1B21N0067C Equip. Class 18. Instrument (on) Racks

Equipment Description Press Element

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



File Name: 2-61-1-4-13.jpeg
Description: Component Plate ID



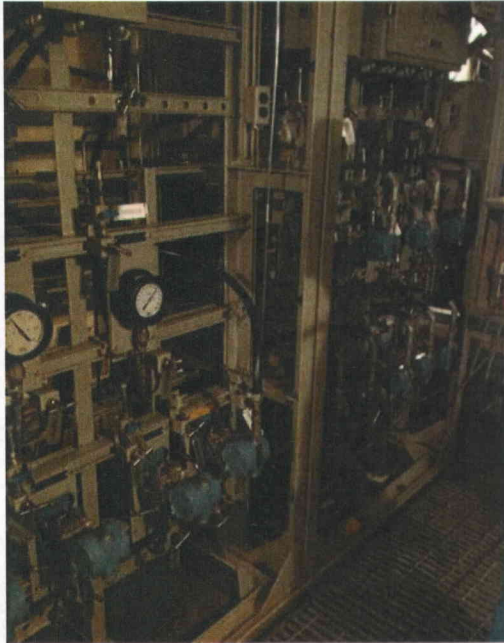
File Name: 2-62-1-4-13.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0067C Equip. Class 18. Instrument (on) Racks

Equipment Description Press Element



File Name: 2-63-1-4-13.jpeg
Description: General view of component rack



File Name: 2-64-1-4-13.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0073C Equip. Class 18. Instrument (on) Racks

Equipment Description _____
Level Element _____

Location: Bldg. CO Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Rack mounted, attached to P1000 with 4 - 1/4" diam. Rack attached to steel framing with 14 - 5/8" diam machine bolts. Bolted to adjacent racks.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0073C Equip. Class 18. Instrument (on) Racks

Equipment Description Level Element

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

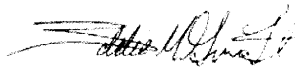
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

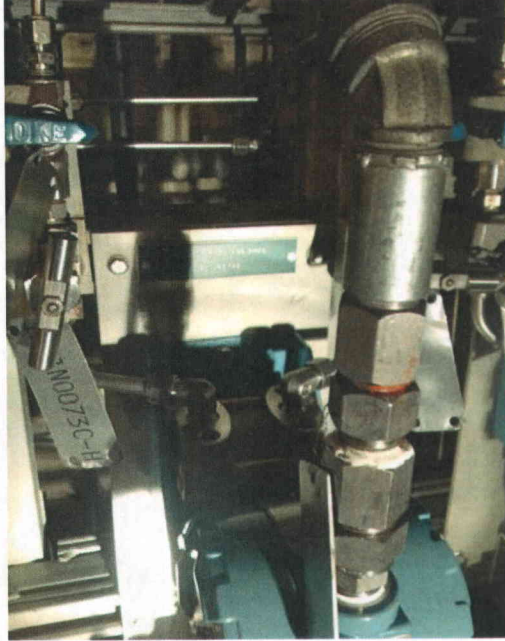
Status: N U

Seismic Walkdown Checklist (SWC)

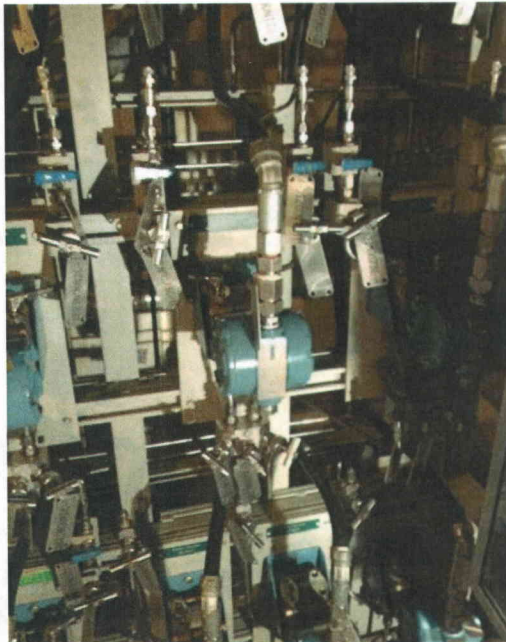
Equipment ID No. 1B21N0073C Equip. Class 18. Instrument (on) Racks

Equipment Description _____
Level Element _____

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



File Name: 2-61-2-4-13.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-13.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083 Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV

Location: Bldg. FH Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Valve mounted on 3" pipe line supported with HSS 4x4 floor supports.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083 Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

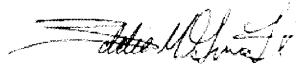
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

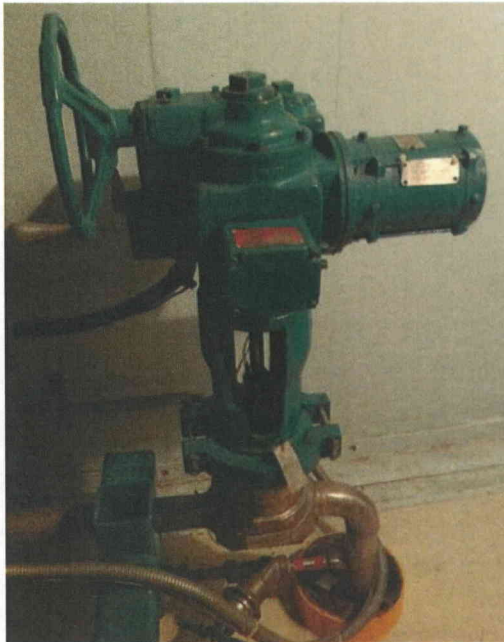
Equipment ID No. 1C11F0083 Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV

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



File Name: 2-61-1-4-17.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-17.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083 Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV



File Name: 2-63-1-4-17.jpeg
Description: View of attached lines



File Name: 2-64-1-4-17.jpeg
Description: View of attached line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083 Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV



File Name: 2-73-1-4-17.jpeg
Description: View of pipe line support

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0110A Equip. Class 8B. Solenoid Valves

Equipment Description RPS Valve

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Very small valve mounted to a heavy steel wall bracket with 2 - 3/8" diam machine bolts. The support bracket is attached to concrete wall with 2 - 5/8" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0110A Equip. Class 8B. Solenoid Valves

Equipment Description RPS Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Scaffolding in the area found with adequate bracing.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0110A Equip. Class 8B. Solenoid Valves

Equipment Description RPS Valve

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



File Name: 2-61-3-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-12.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0160A Equip. Class 8B. Solenoid Valves

Equipment Description RRCS Valve

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Very small valve mounted to a heavy steel wall bracket with 2 - 3/8" diam machine bolts. The support bracket is attached to concrete wall with 4 - 5/8" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0160A Equip. Class 8B. Solenoid Valves

Equipment Description RRCS Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

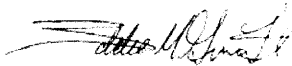
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

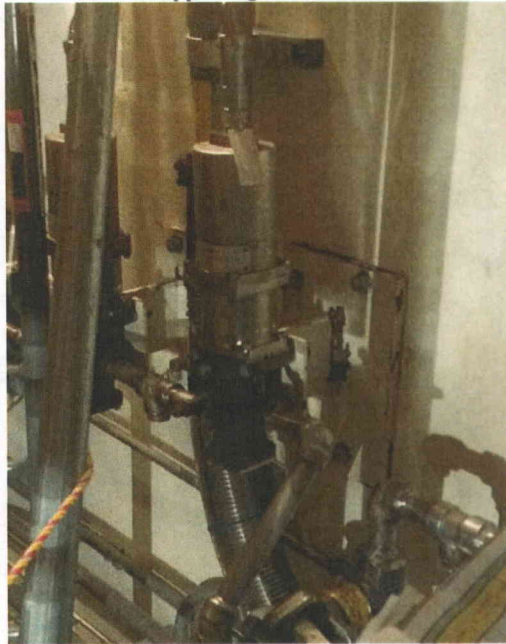
Status: N U

Seismic Walkdown Checklist (SWC)

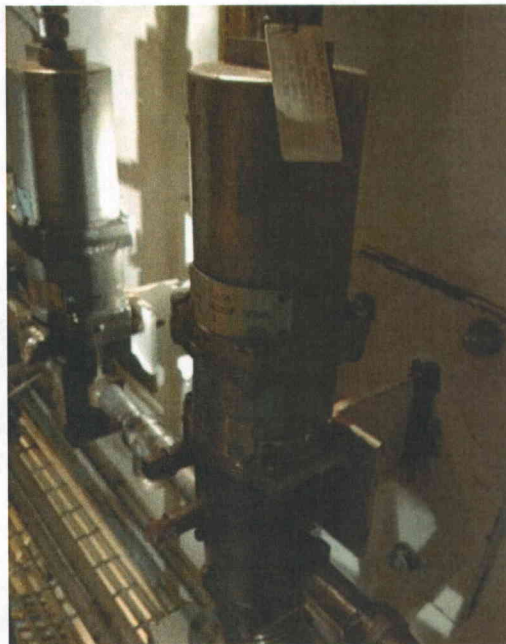
Equipment ID No. 1C11F0160A Equip. Class 8B. Solenoid Valves

Equipment Description RRCS Valve

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



File Name: 2-61-4-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-4-4-12.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0160A Equip. Class 8B. Solenoid Valves

Equipment Description RRCS Valve



File Name: 2-63-4-4-12.jpeg
Description: View of top attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C22P0001 Equip. Class 20. Instrument and Control Panels

Equipment Description ATWS Panel

Location: Bldg. CC Floor El. 654

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Panels bolted to flanges of ~C10 channels with 10 - 1/2" diam bolts. C10's are welded to cross steel members at floor level.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

No excessive corrosion identified for anchorage.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C22P0001 Equip. Class 20. Instrument and Control Panels

Equipment Description ATWS Panel

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Ceiling panels identified with diagonal braces and rod hangers.

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

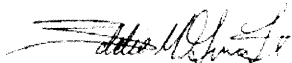
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C22P0001 Equip. Class 20. Instrument and Control Panels

Equipment Description ATWS Panel

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



File Name: 2-62-1-4-03.jpeg
Description: Component Plate ID



File Name: 2-63-1-4-03.jpeg
Description: Inside view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C22P0001 Equip. Class 20. Instrument and Control Panels

Equipment Description ATWS Panel



File Name: 2-61-1-4-03.jpeg
Description: Anchorage view

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41A0003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description SLC Auxiliary Mixing Tank

Location: Bldg. IB Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Vertical tank mounted on 4 legs, each leg anchored with 2 - 1" diam anchor bolts.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Drawing 413-0237, Equipment Foundation "Detail N" confirms anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41A0003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description SLC Auxiliary Mixing Tank

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41A0003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description SLC Auxiliary Mixing Tank

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



File Name: 2-61-1-4-09.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-09.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41A0003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description SLC Auxiliary Mixing Tank



File Name: 2-63-1-4-09.jpeg
Description: General view of anchorage



File Name: 2-64-1-4-09.jpeg
Description: View of attached lines

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Small pump anchored through checkered grating with 7 - 3/4" diam machine bolts. Base connected to floor by two wide flange sections.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 11-017.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

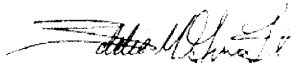
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

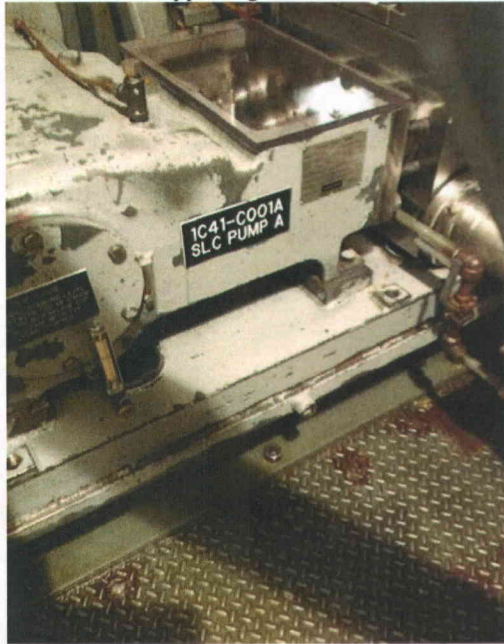
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump

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



File Name: 2-61-1-4-12.jpeg
Description: Component Plate ID



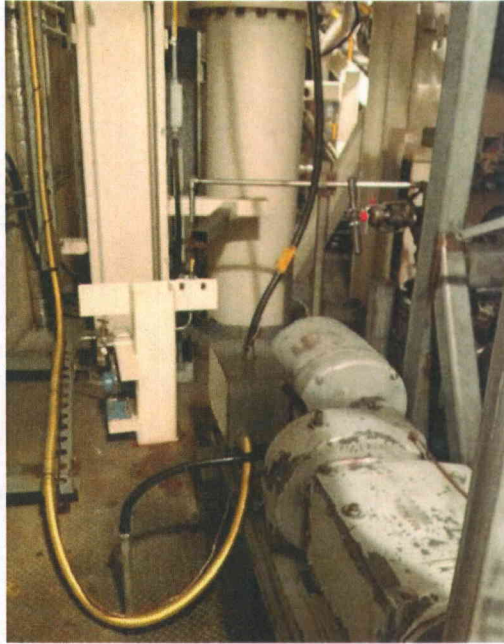
File Name: 2-62-1-4-12.jpeg
Description: General view of Component

Status: N U

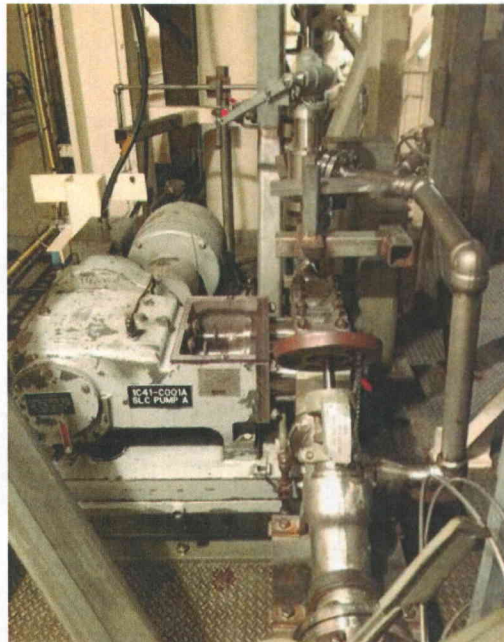
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump



File Name: 2-63-1-4-12.jpeg
Description: View of attached lines



File Name: 2-64-1-4-12.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41F0001A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Small MOV mounted on 6" diam pipe line at 45deg. Pipe supports located before and after MOV.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41F0001A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

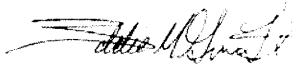
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

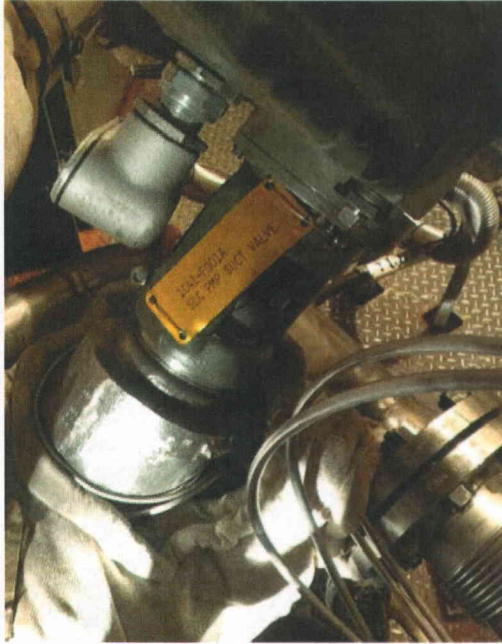
Status: N U

Seismic Walkdown Checklist (SWC)

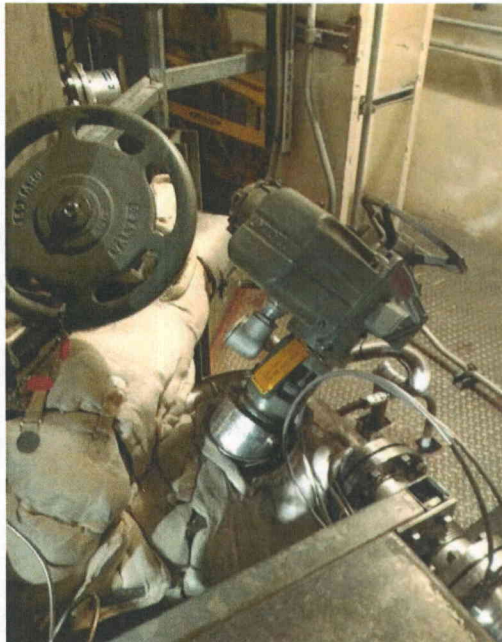
Equipment ID No. 1C41F0001A Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

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



File Name: 2-61-2-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-12.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41F0029A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Relief Valve

Location: Bldg. CO Floor El. 642

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Small valve mounted integral with the pump skid and very well supported.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41F0029A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Relief Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

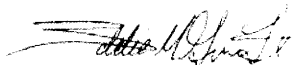
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

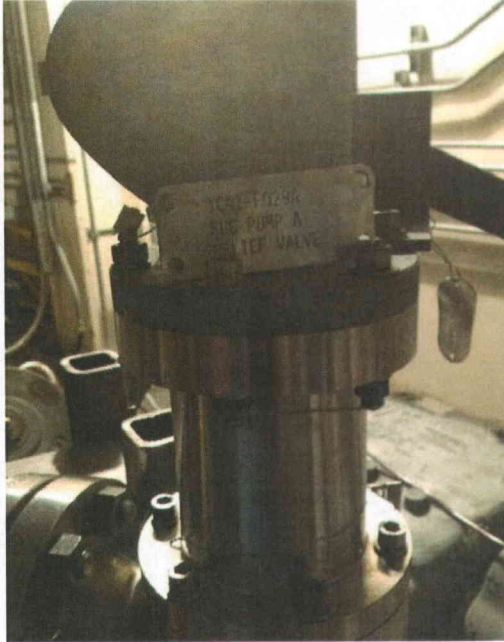
Status: N U

Seismic Walkdown Checklist (SWC)

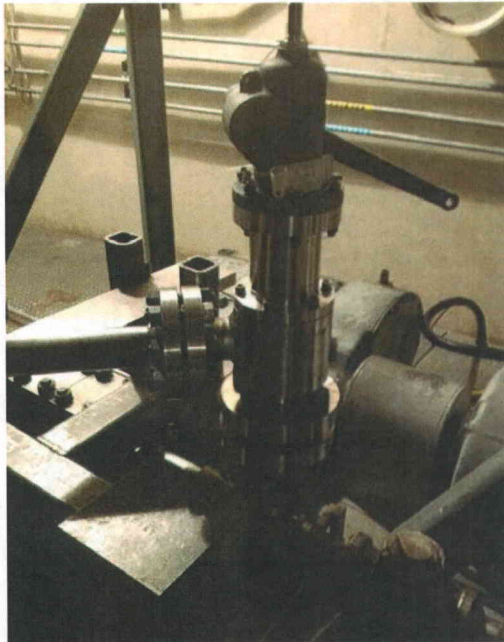
Equipment ID No. 1C41F0029A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Relief Valve

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



File Name: 2-61-5-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-12.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger

Location: Bldg. AX Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Very tall vertical Heat Ex. Hung from El. 599 platform. 12 total 2 3/4" diam anchors. 3 anchors located on 4 opposite sides. Additional support identified at El. 615.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
X			

Anchorage configuration confirmed by Drawing 21_-0016-00000_005.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

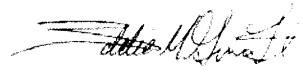
Y	N	U
X		


Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)

Evaluated by:  Date: 8/26/2012


Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

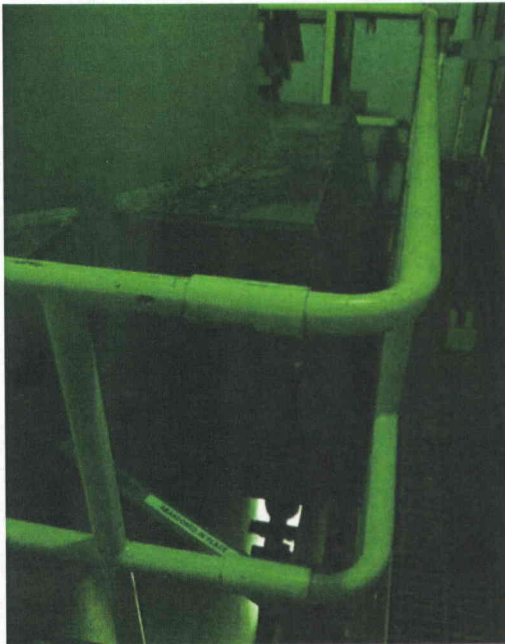
Equipment ID No. 1E12B0001B Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger

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



File Name: 2-61-1-4-20.jpeg
Description: Anchorage view of component



File Name: 2-62-1-4-20.jpeg
Description: View of anchorage detail of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001D Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger Plug

Location: Bldg. AX Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

Very tall vertical Heat Ex. Hung from El. 599 platform. 12 total 2 3/4" diam anchors. 3 anchors located on 4 opposite sides. Additional support identified at El. 615.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 21_-0016-00000_005.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001D Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger Plug

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

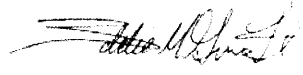
Y	N	U
X		

Other Adverse Conditions

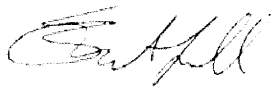
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001D Equip. Class 21. Tanks and Heat Exchangers

Equipment Description RHR Heat Exchanger Plug

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



File Name: 2-61-2-4-20.jpeg
Description: Anchorage view of component



File Name: 2-62-2-4-20.jpeg
Description: View of anchorage detail of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump B

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

24 total 2" anchors. No degradation identified for anchors and base plate.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 21 -0005-00000_004.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump B

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

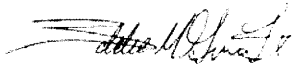
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump B

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



File Name: 2-61-2-4-19.jpeg
Description: Component Plate ID



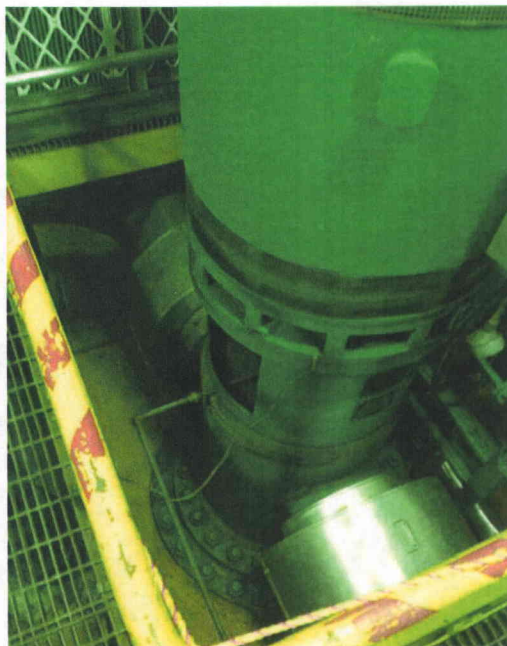
File Name: 2-62-2-4-19.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump B



File Name: 2-63-2-4-19.jpeg

Description: View of anchorage configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0003B Equip. Class 8A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | |
|---|---|
| Y | N |
| | X |
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
Large MOV with heavy yoke. Piping identified with adequate support near valve.
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
2. Is the anchorage free of bent, broken, missing or loose hardware?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
3. Is the anchorage free of corrosion that is more than mild surface oxidation?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
4. Is the anchorage free of visible cracks in the concrete near the anchors?
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
- | | | | |
|---|---|---|-----|
| Y | N | U | N/A |
| | | | X |
- | | | |
|---|---|---|
| Y | N | U |
| X | | |
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0003B Equip. Class 8A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

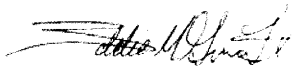
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

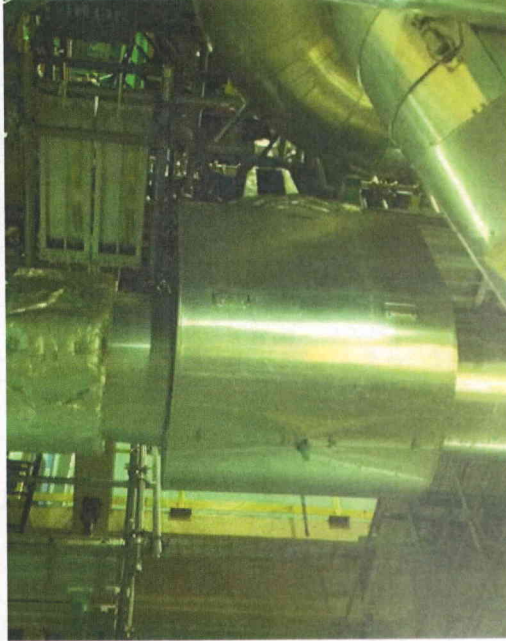
Status: N U

Seismic Walkdown Checklist (SWC)

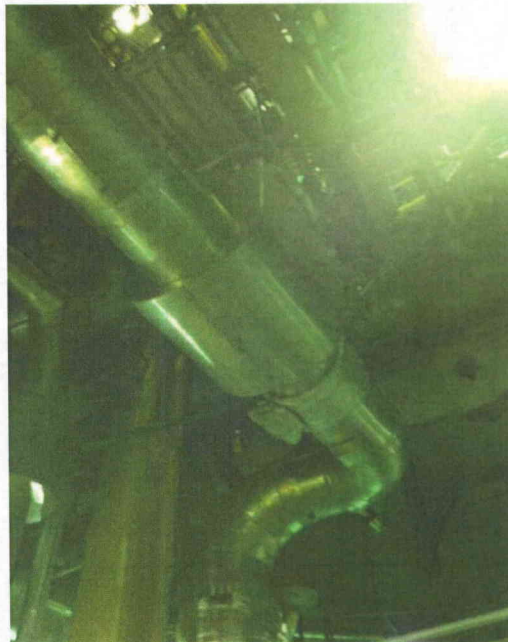
Equipment ID No. 1E12F0003B Equip. Class 8A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve

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



File Name: 2-61-3-4-19.jpeg
Description: View of valve location in main pipe line



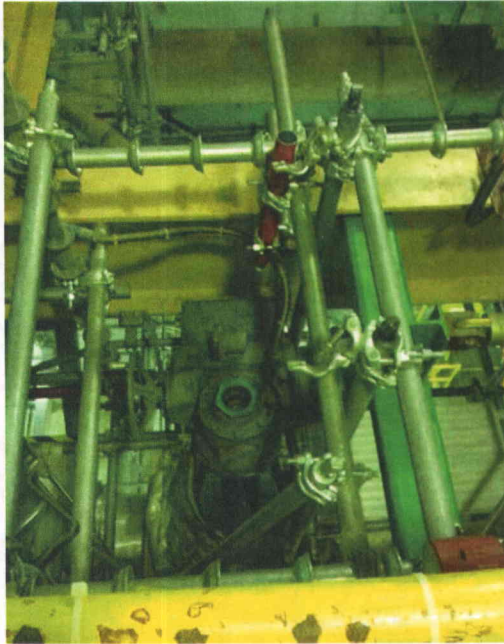
File Name: 2-62-3-4-19.jpeg
Description: View of valve location in pipe main line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0003B Equip. Class 8A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve



File Name: 2-63-3-4-19.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0004B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Very large MOV identified with heavy yoke. Pipe line well supported.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0004B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

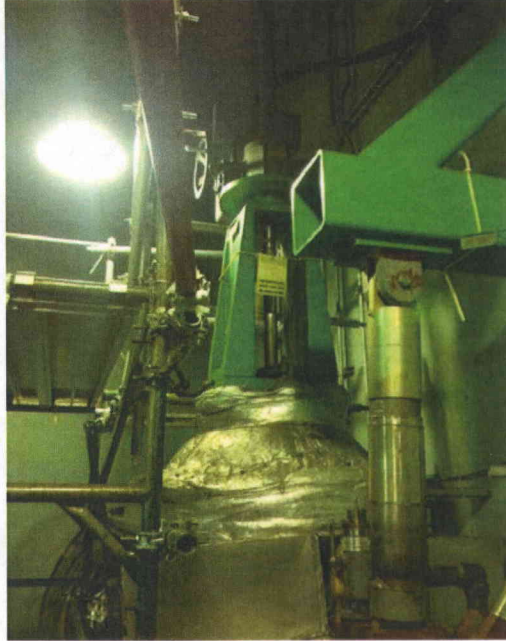
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0004B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

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



File Name: 2-61-4-4-19.jpeg
Description: View of valve location in main pipe line



File Name: 2-62-4-4-19.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0029B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Heavy yoke manual valve identified. No degraded condition and pipe line shows adequate support.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0029B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

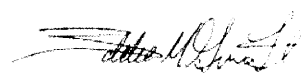
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0029B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve

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



File Name: 2-61-1-4-19.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-19.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0029B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve



File Name: 2-63-1-4-19.jpeg
Description: General view of component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 599

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Very large MOV with substantial yoke. Mounted on ~24" pipe line with adequate supports.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Valve is ~10 inch away from a wall, judged no potential interaction.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

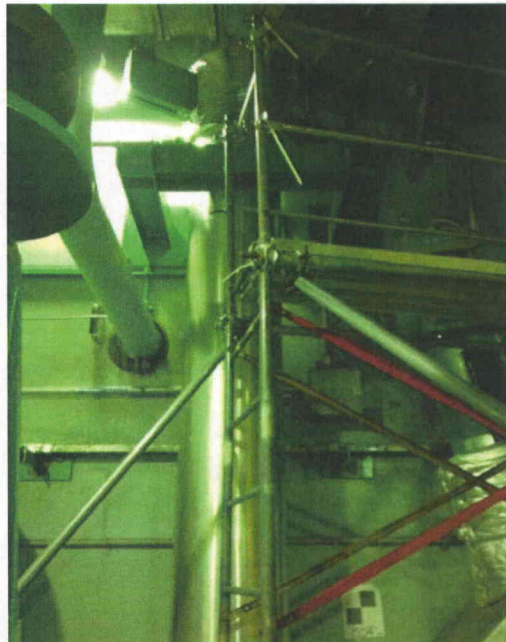
Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

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



File Name: 2-61-3-4-20.jpeg
Description: Scaffolding located in the area



File Name: 2-62-3-4-20.jpeg
Description: View of scaffolding in the area

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-3-4-20.jpeg

Description: View of support condition for pipe line

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21C0001 Equip. Class 6. Vertical Pumps

Equipment Description LPCS Motor Pump

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
24 total 2 1/2" anchors. No degradation identified for anchors and base plate.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Anchorage configuration confirmed by Drawing 19 -0004-00000_005.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21C0001 Equip. Class 6. Vertical Pumps

Equipment Description LPCS Motor Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

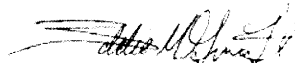
Y	N	U
X		

Other Adverse Conditions

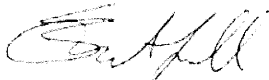
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

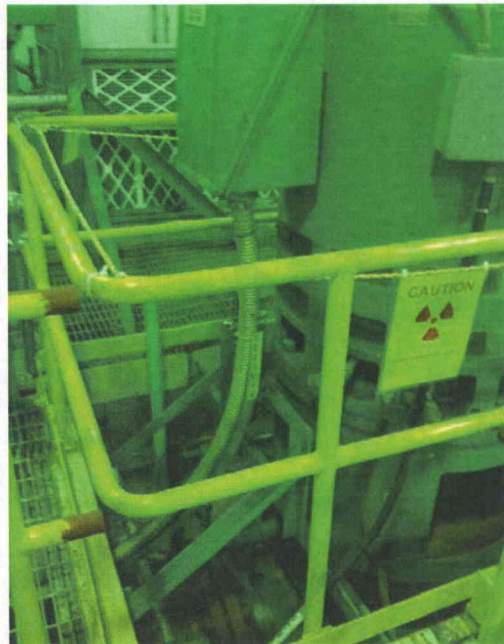
Equipment ID No. 1E21C0001 Equip. Class 6. Vertical Pumps

Equipment Description LPCS Motor Pump

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



File Name: 2-61-10-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-10-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21C0001 Equip. Class 6. Vertical Pumps

Equipment Description LPCS Motor Pump



File Name: 2-63-10-4-18.jpeg
Description: General view of component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
MOV well supported.

Y	N
	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?
Nearby scaffolding identified judged not to be a concern.

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

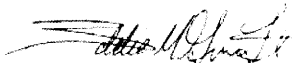
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

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



File Name: 2-61-8-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-8-4-18.jpeg
Description: View of main pipe line run through shield building



File Name: 2-64-8-4-18.jpeg
Description: Scaffolding located in the area

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-73-8-4-18.jpeg
Description: View vertical support for main line



File Name: 2-94-8-4-18.jpeg
Description: View of main pipe line support configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Sensor rack mounted with 4 - 1/4" diam machine bolts to strut channels. Rack made of L2 1/2 x 2 1/2. Rack is anchored to concrete pad with 14 - 1/2" diam anchor bolts.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

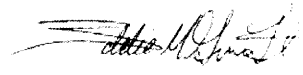
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status:

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor

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



File Name: 2-61-7-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-7-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor



File Name: 2-63-7-4-18.jpeg
Description: General view of component rack



File Name: 2-64-7-4-18.jpeg
Description: Anchorage configuration for instrument rack

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor



File Name: 2-73-7-4-18.jpeg
Description: View of top attached lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22B5003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Division 3 D/G Lube Oil Cooler

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Component rigidly mounted on Diesel Generator Skid. No degraded condition identified.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22B5003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Division 3 D/G Lube Oil Cooler

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

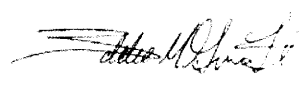
Y	N	U
X		

Other Adverse Conditions

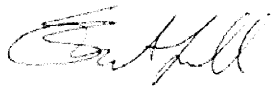
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22B5003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Division 3 D/G Lube Oil Cooler

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



File Name: 2-61-13-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-13-4-08.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
24 total 2 1/2" anchors. No degradation identified for anchors and base plate.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
Drawing 20_-0039-00001_000 confirms anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

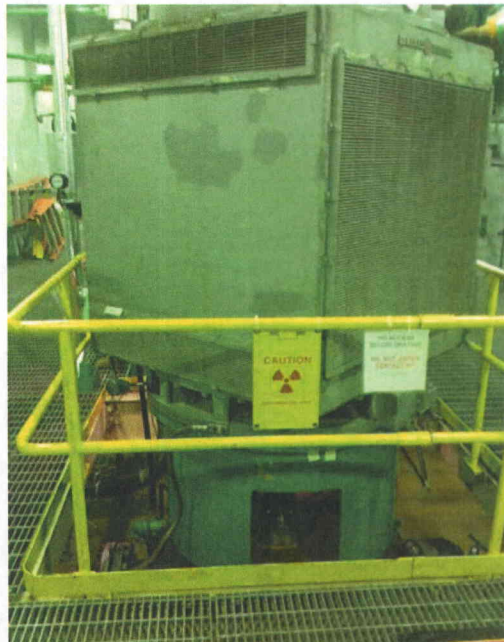
Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump

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



File Name: 2-61-14-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-14-4-18.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump



File Name: 2-63-14-4-18.jpeg
Description: View of attached lines



File Name: 2-64-14-4-18.jpeg
Description: View of attached lines to component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0004 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Location: Bldg. AX Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Large MOV mounted on 12" diam pipe line. No degraded condition identified.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0004 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate flexibility.

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

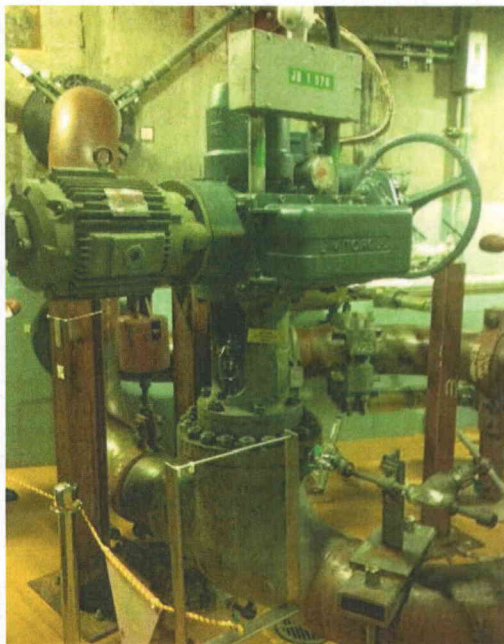
Equipment ID No. 1E22F0004 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

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



File Name: 2-61-1-4-10.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-10.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0004 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-1-4-10.jpeg
Description: View of attached lines



File Name: 2-64-1-4-10.jpeg
Description: View of main line support configuration

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0010 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Operated Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
MOV mounted on 12" diam pipe line.

Y	N
X	X

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0010 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Operated Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

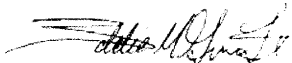
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

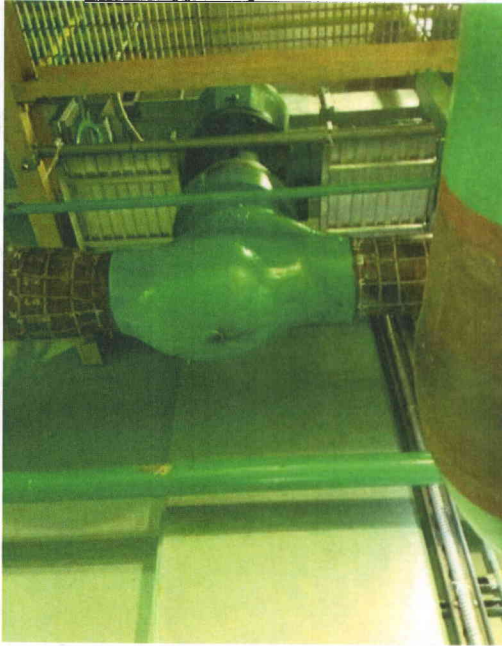
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0010 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Operated Valve

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



File Name: 2-61-12-4-18.jpeg
Description: General view of component



File Name: 2-62-12-4-18.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Pump Disch. Check Valve

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
	X

Valve mounted on ~24" pipe line supported at both sides of valve by wall anchored supports spaced about 6 ft.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
			X

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
			X

Slight corrosion identified but judged not significant.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
			X

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Pump Disch. Check Valve

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

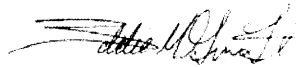
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Pump Disch. Check Valve

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



File Name: 2-61-13-4-18.jpeg
Description: Close up view of component



File Name: 2-62-13-4-18.jpeg
Description: General view of Component

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Pump Disch. Check Valve



File Name: 2-63-13-4-18.jpeg
Description: View of pipe line lateral supports

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22N0005 Equip. Class 18. Instrument (on) Racks

Equipment Description Flow Transmitter

Location: Bldg. AX Floor El. 574

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	X

Rack framing made of L2x2x1/4. Anchored with 14 - 1/2" anchors. Rack is on a ~6" concrete pad.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

No significant corrosion identified.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Y	N	U	N/A
			X

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22N0005 Equip. Class 18. Instrument (on) Racks

Equipment Description Flow Transmitter

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

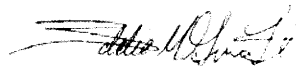
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

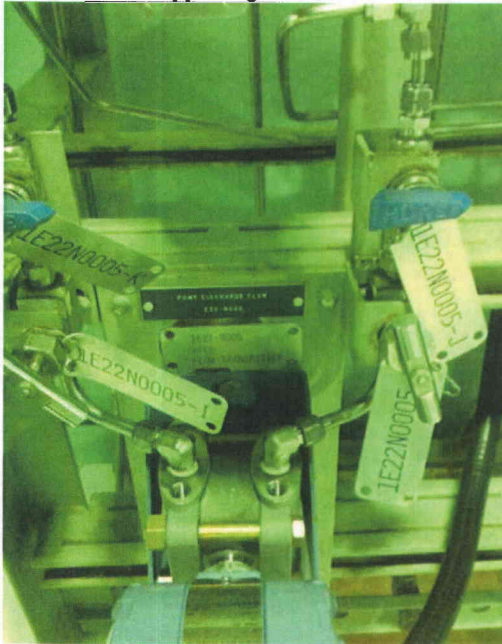
Status: Y N U

Seismic Walkdown Checklist (SWC)

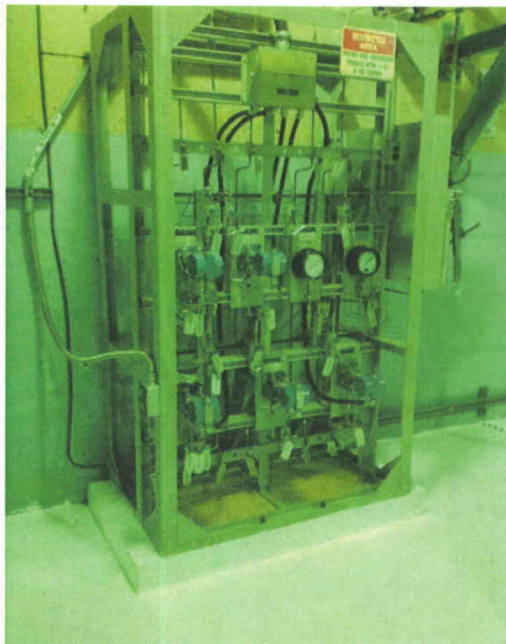
Equipment ID No. 1E22N0005 Equip. Class 18. Instrument (on) Racks

Equipment Description Flow Transmitter

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



File Name: 2-61-5-4-18.jpeg
Description: Component Plate ID



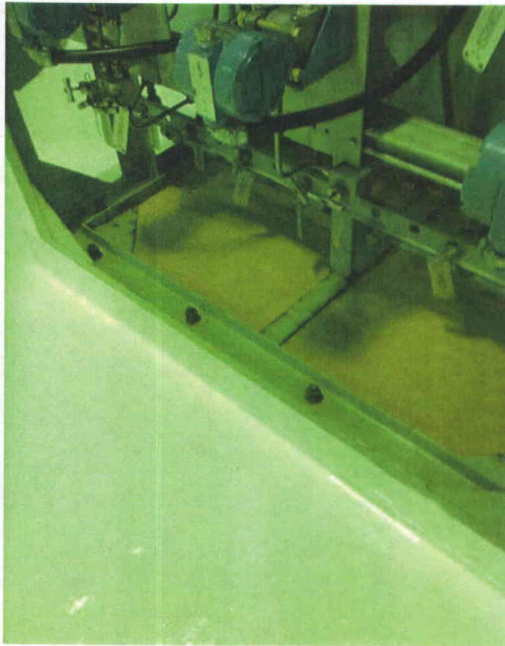
File Name: 2-62-5-4-18.jpeg
Description: General view of Component

Status: (V) N U

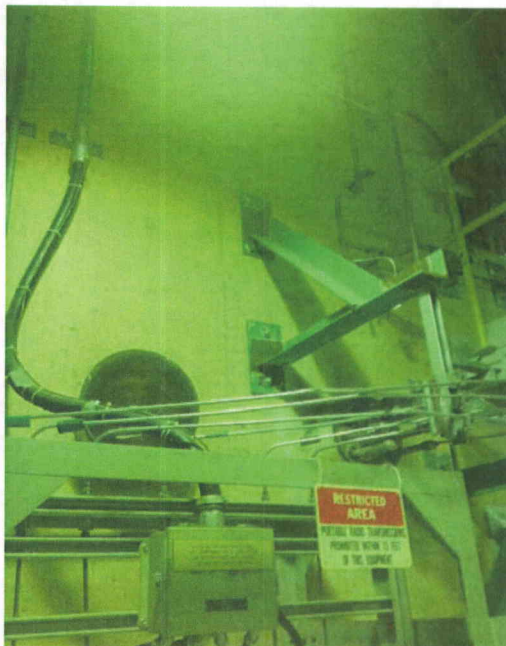
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22N0005 Equip. Class 18. Instrument (on) Racks

Equipment Description Flow Transmitter



File Name: 2-63-5-4-18.jpeg
Description: View of component anchorage configuration



File Name: 2-64-5-4-18.jpeg
Description: View of attached small lines

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0001 Equip. Class 17. Engine Generators

Equipment Description Division 3 HPCS Diesel Generator

Location: Bldg. DG Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Diesel generator anchored to concrete pad with 34 1 1/2" anchor bolts.

Y	N
X	

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

4. Is the anchorage free of visible cracks in the concrete near the anchors?

All anchors inspected and no cracks were identified.

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Drawing 417-0067, Foundation Plan "B" confirms anchorage configuration.

Y	N	U	N/A
X			

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0001 Equip. Class 17. Engine Generators

Equipment Description Division 3 HPCS Diesel Generator

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

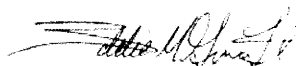
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

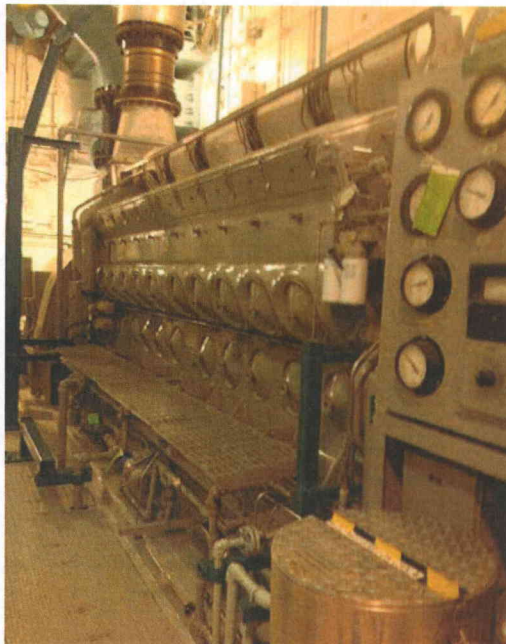
Equipment ID No. 1E22S0001 Equip. Class 17. Engine Generators

Equipment Description Division 3 HPCS Diesel Generator

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



File Name: 2-61-12-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-12-4-08.jpeg
Description: General view of Component

Status: Y N U

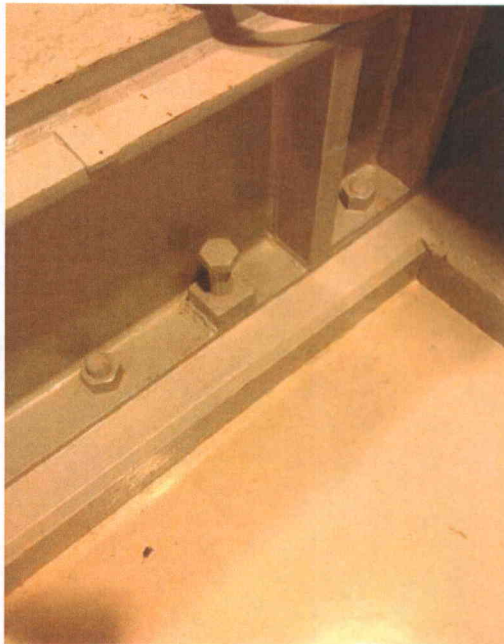
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0001 Equip. Class 17. Engine Generators

Equipment Description Division 3 HPCS Diesel Generator



File Name: 2-63-12-4-08.jpeg
Description: View of top conduits



File Name: 2-64-12-4-08.jpeg
Description: View of mounting base

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0005 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 3 Battery

Location: Bldg. CC Floor El. 620

Manufacturer, Model, Etc. _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?

Y	N
X	

4 bays, double tier braced racks. 4 out of 5 vertical frames welded to embedment and 5th vertical support is anchored with 4 - 1/2" diam anchors. Each frame welded with ~24" of 1/4" weld to embed.

2. Is the anchorage free of bent, broken, missing or loose hardware?

Y	N	U	N/A
X			

Rack to floor anchorage verified and no degraded condition identified.

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Y	N	U	N/A
X			

Anchorage inspected and no corrosion identified.

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Y	N	U	N/A
X			

5. Is the anchorage configuration consistent with plant documentation?

Y	N	U	N/A
X			

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Calculation 40:71 confirms welding and anchor bolt configuration.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Y	N	U
X		

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0005 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 3 Battery

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?

Y	N	U	N/A
X			

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Y	N	U	N/A
X			

9. Do attached lines have adequate flexibility to avoid damage?
Attached piping is rigidly supported and attached conduits were found with adequate

Y	N	U	N/A
X			

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

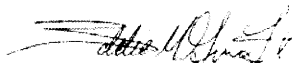
Y	N	U
X		

Other Adverse Conditions

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

Y	N	U
X		

Comments (Additional pages may be added as necessary)



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



Brian A. Lucarelli Date: 8/26/2012

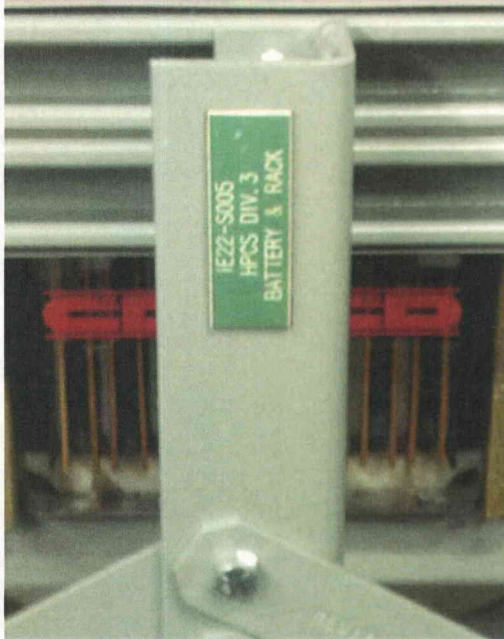
Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0005 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 3 Battery

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



File Name: 2-61-5-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-06.jpeg
Description: General view of Component

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0005 Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 3 Battery



File Name: 2-63-5-4-06.jpeg
Description: View of component base detail



File Name: 2-64-5-4-06.jpeg
Description: View of component base detail