APPENDIX B: SEISMIC WALKDOWN CHECKLISTS (SWCs)

Paul C. Rizzo Associates, Inc.
ENGINEERS & CONSULTANTS

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-27A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Comp Cool Pump P21C Disch Cross Conn Manual Valve

Location: Bldg. AXLB Floor El. 735 Room N-EAST 2 AXLB 735

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 ~16" diameter line. Line is well supported within ~10 feet of 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?

Valve found in good condition.

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
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. 2CCP-27A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Comp Cool Pump P21C Disch Cross Conn Manual Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

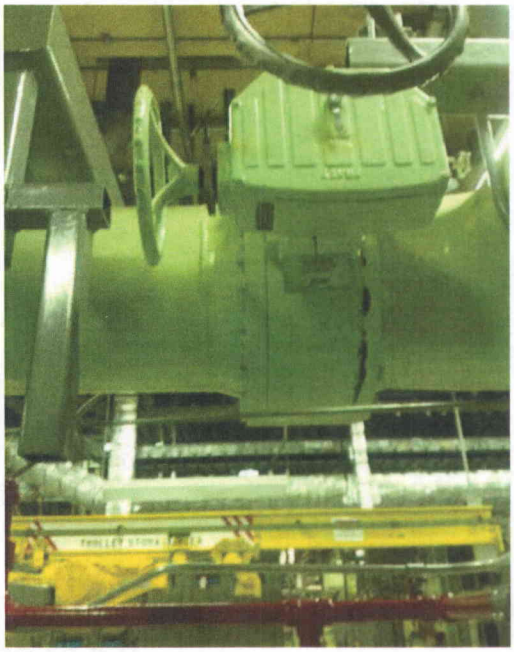
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-27A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Comp Cool Pump P21C Disch Cross Conn Manual Valve

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

File Name: 2-61-1-2-03.jpeg
Description: Component Plate ID



File Name: 2-62-1-2-03.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-27A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Comp Cool Pump P21C Disch Cross Conn Manual Valve

File Name: 2-63-1-2-03.jpeg
Description: General View of Main Line and Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-4 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Component Cooling Pump P21A Disch Check

Location: Bldg. AXLB Floor El. 735 Room N-EAST 2 AXLB 735

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

Inline check valve on ~16" diameter line. Main line is supported within ~5 feet on one side of valve, within ~15 feet on other side.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

Valve found in good condition.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-4 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Component Cooling Pump P21A Disch Check

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

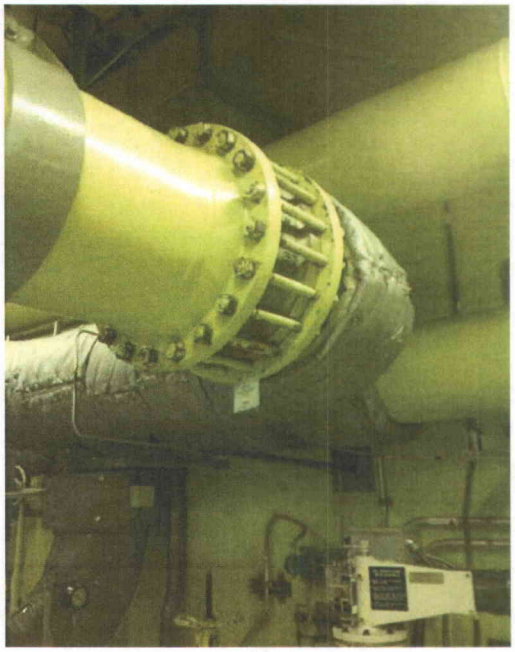
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-4 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Component Cooling Pump P21A Disch Check

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

File Name: 2-61-4-2-03.jpeg
Description: Component Plate ID



File Name: 2-62-4-2-03.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-4 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Component Cooling Pump P21A Disch Check

File Name: 2-63-4-2-03.jpeg
Description: General View of Main Line and Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-AOV107A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 2CCP-AOV107A BB C/S

Location: Bldg. RCBX Floor El. 718 Room RCBX 721-A RCP Pump Cubicle

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

AOV found in good condition on ~3" line. Line is supported within ~1' on one side and ~12' on other side.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-AOV107A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 2CCP-AOV107A BB C/S

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-AOV107A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 2CCP-AOV107A BB C/S

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

File Name: 2-61-6-2-19.jpeg
Description: General View of Component

File Name: 2-62-6-2-19.jpeg
Description: View of Piping Support

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-AOV107A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 2CCP-AOV107A BB C/S

File Name: 2-63-6-2-19.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

Location: Bldg. AXLB Floor El. 710 Room AXLB 710 HX

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)?

Long, small diameter HX on 2 longitudinally braced saddles. Fixed saddle has 4-1"diameter anchor bolts and welded shear lags. Sliding saddle has 4-7/8"diameter anchor bolts.

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?

Surface corrosion observed on flanges judged not to be a concern.

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 No. 10080-RS-36J confirms anchorage to be shear lags, 4-1" diameter anchors for fixed support, and 2-7/8" diameter anchors for sliding support.

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. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *2 monorail cranes in area judged not to be interaction conern.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

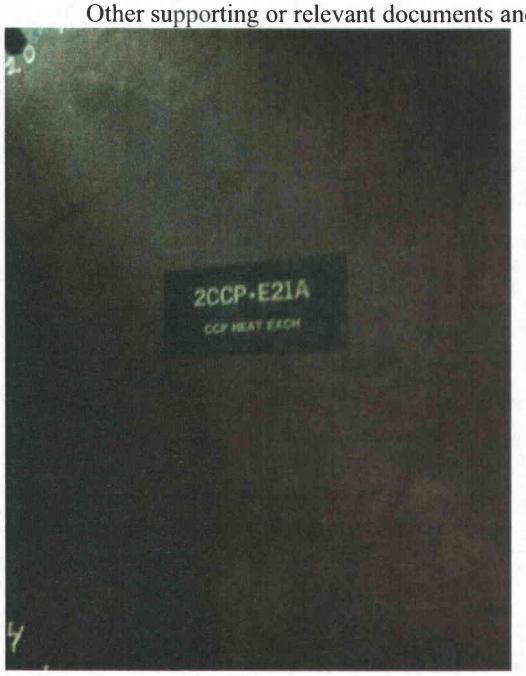
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

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



File Name: 2-96-4-2-01.jpeg
Description: Component Tag ID

File Name: 2-61-4-2-01.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

File Name: 2-62-4-2-01.jpeg
Description: View of Fixed Support

File Name: 2-63-4-2-01.jpeg
Description: View of Fixed Support

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

File Name: 2-64-4-2-01.jpeg
Description: View of Sliding Support

File Name: 2-73-4-2-01.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

File Name: 2-94-4-2-01.jpeg
Description: View of Monorail Crane in Area

File Name: 2-95-4-2-01.jpeg
Description: View of Attached Piping

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description PrimaryCCW Heat Exchanger

File Name: 2-98-4-2-01.jpeg
Description: View of Corrosion on Flange

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-FT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Flow Output

Location: Bldg. RCBX Floor El. 718 Room RCBX 718

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

Rack consists of a HSS 6x6 post (~3.5' tall) welded to floor. Instrument attached to face of the rack with 4-3/8" diam machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Drawing No. 12241-BK-16G-8-2F confirms mounting bolt pattern and welded base.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-FT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Flow Output

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

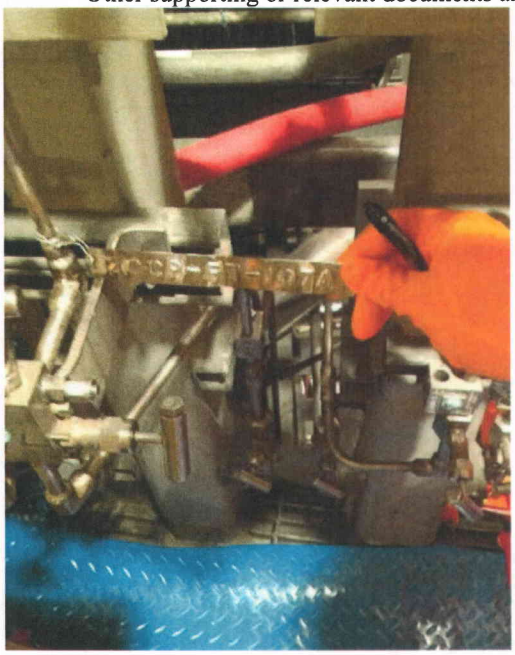
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-FT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Flow Output

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



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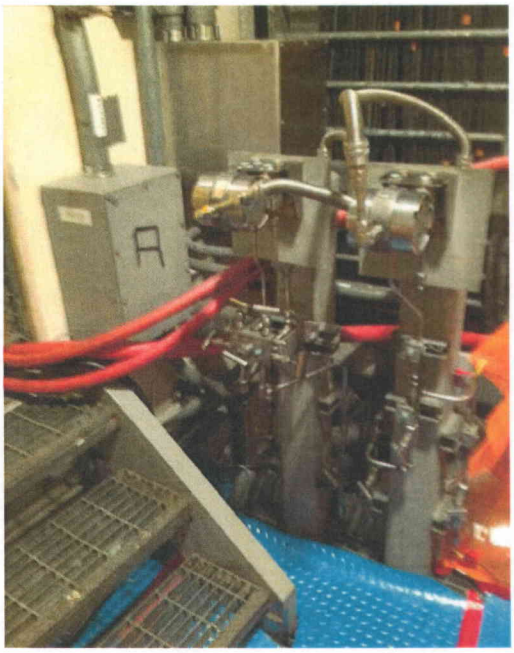
Description: Component Tag ID



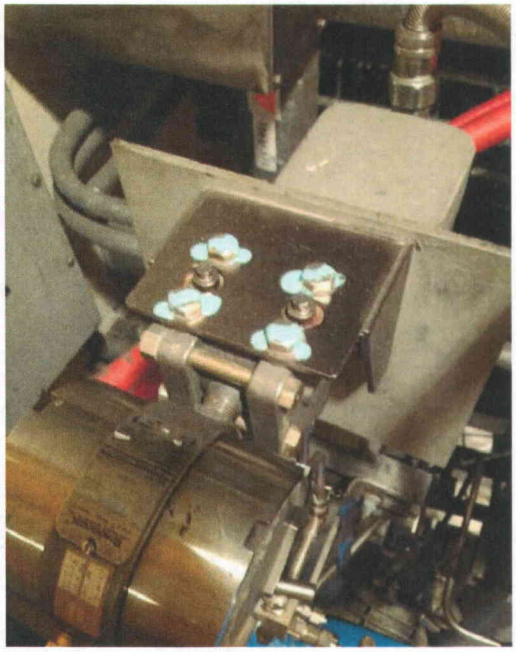
File Name: 2-62-7-2-19.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-FT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Flow Output



File Name: 2-63-7-2-19.jpeg
Description: View of Mounting Bolts

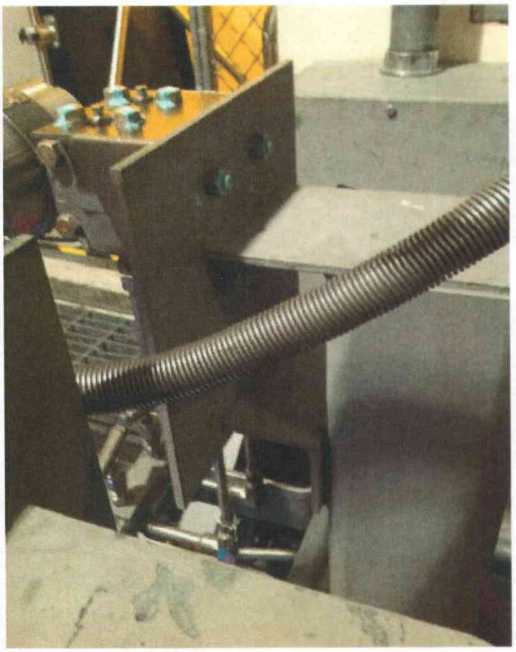
File Name: 2-64-7-2-19.jpeg
Description: View of Base Weld

Status: Ⓨ N U

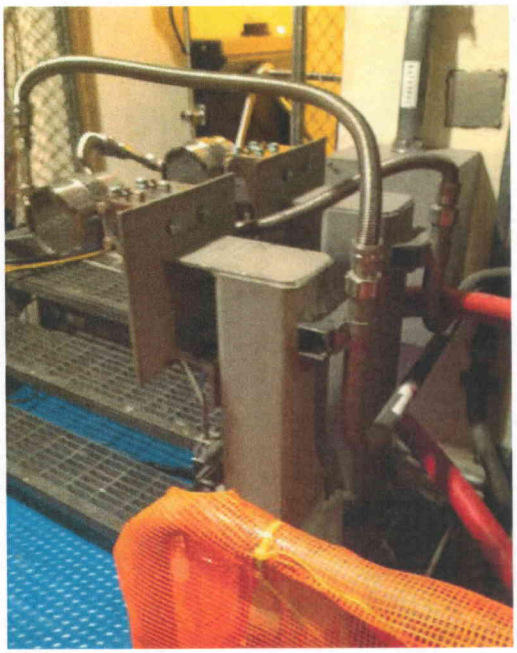
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-FT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Flow Output



File Name: 2-73-7-2-19.jpeg
Description: View of Mounting Bolts



File Name: 2-94-7-2-19.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV112A Equip. Class 8a. Motor Operated Valve

Equipment Description (2RHS*E21A 22A) Supply Isol

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-Annulus

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

MOV mounted on 24" diam pipe line. Pipe found to be well supported.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV112A Equip. Class 8a. Motor Operated Valve

Equipment Description (2RHS*E21A 22A) Supply Isol

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Temporary tool storage in area has wheels locked, judged to not be a credible interaction concern.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	X			

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV112A Equip. Class 8a. Motor Operated Valve

Equipment Description (2RHS*E21A 22A) Supply Isol

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

File Name: 2-61-3-2-19.jpeg
Description: Component Plate ID

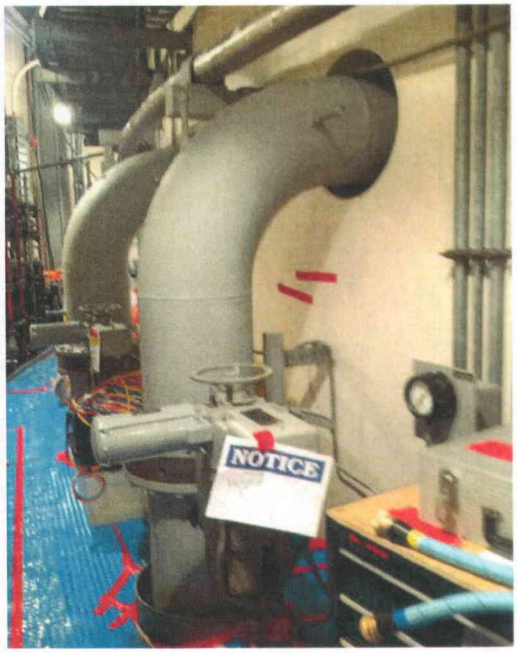
File Name: 2-62-3-2-19.jpeg
Description: General View of Component

Status: Ⓨ N U

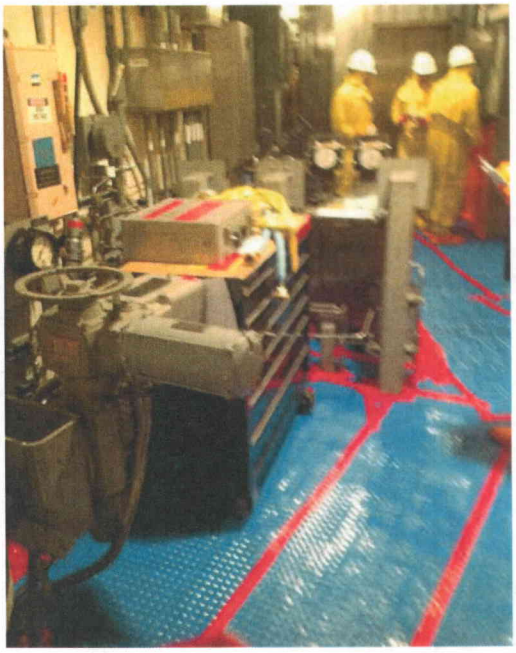
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV112A Equip. Class 8a. Motor Operated Valve

Equipment Description (2RHS*E21A 22A) Supply Isol



File Name: 2-63-3-2-19.jpeg
Description: View of Component Area



File Name: 2-64-3-2-19.jpeg
Description: View of Restrained Temporary Equipment in Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV119 Equip. Class 8A. Motor Operated Valve

Equipment Description CNMT Inst Zir Compressor Supply

Location: Bldg. MSCV Floor El. 773 Room IAC Room

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *MOV on ~2 1/2" diameter line. Piping is supported within ~18" of valve. Valve operator is independently supported from floor.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV119 Equip. Class 8A. Motor Operated Valve

Equipment Description CNMT Inst Zir Compressor Supply

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Valve handwheel is in contact with the operator support structure. This is judged acceptable since the vertical acceleration at this elevation is much less than 1g and the attached piping is rigidly supported near the valve.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

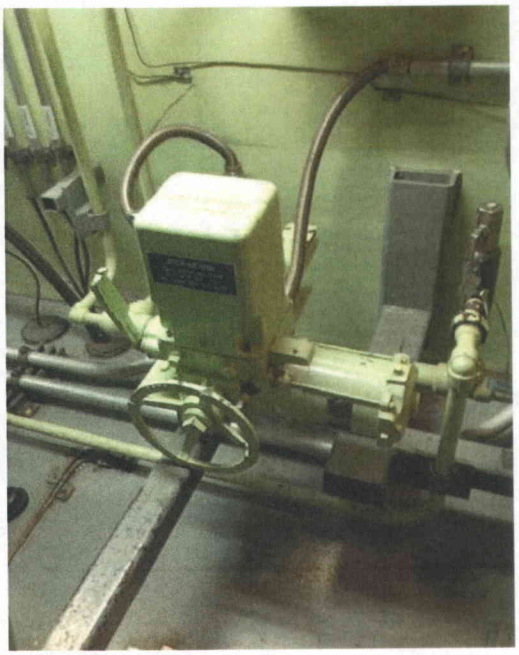
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV119 Equip. Class 8A. Motor Operated Valve

Equipment Description CNMT Inst Zir Compressor Supply

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

File Name: 2-61-1-2-16.jpeg
Description: Component Plate ID



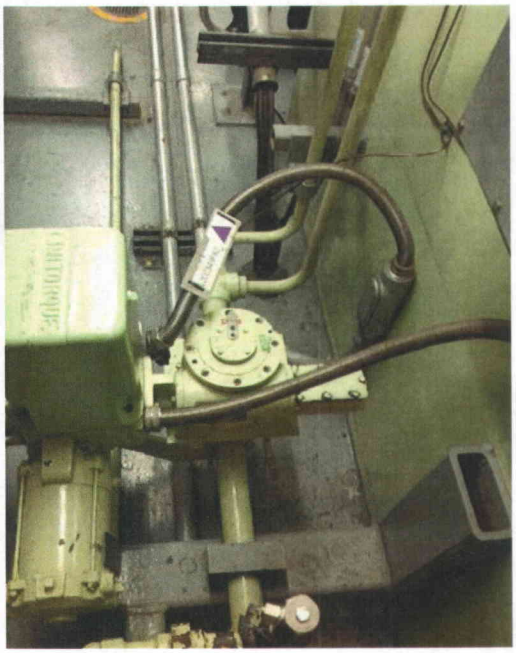
File Name: 2-62-1-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV119 Equip. Class 8A. Motor Operated Valve

Equipment Description CNMT Inst Zir Compressor Supply



File Name: 2-63-1-2-16.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV150-1 Equip. Class 8A. Motor Operated Valve

Equipment Description CCP SPLY HDR Outside CNMT ISOL

Location: Bldg. MSCV Floor El. 722 Room MSCV 718

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Small MOV horizontally mounted on large diameter main line near ceiling.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation? *Valve found in good condition.*				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV150-1 Equip. Class 8A. Motor Operated Valve

Equipment Description CCP SPLY HDR Outside CNMT ISOL

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Main line is rigidly supported at wall penetration and is rod supported throughout room. It is judged that the ~3"diameter branch line has adequate flexibility for differential displacements.

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

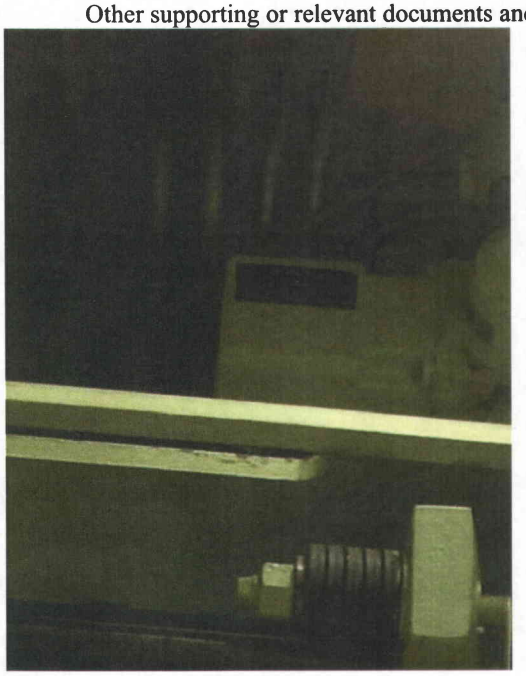
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV150-1 Equip. Class 8A. Motor Operated Valve

Equipment Description CCP SPLY HDR Outside CNMT ISOL

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



File Name: 2-73-1-2-12.jpeg
Description: Component Plate ID

File Name: 2-61-1-2-12.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV150-1 Equip. Class 8A. Motor Operated Valve

Equipment Description CCP SPLY HDR Outside CNMT ISOL

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

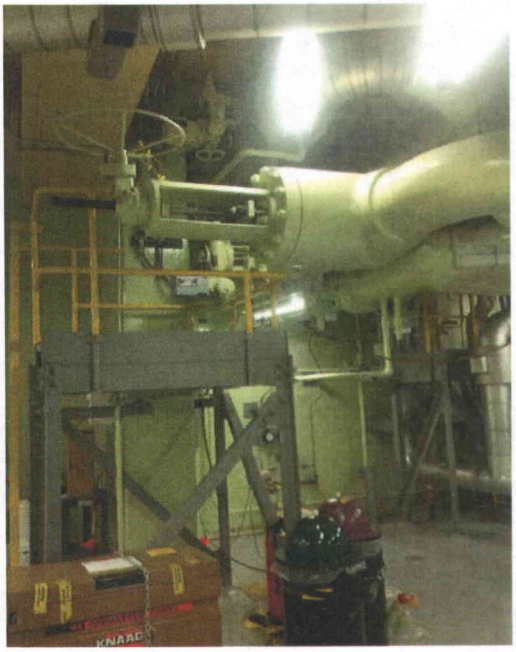
File Name: 2-63-1-2-12.jpeg
Description: General View of Main Line and Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-MOV150-1 Equip. Class 8A. Motor Operated Valve

Equipment Description CCP SPLY HDR Outside CNMT ISOL



File Name: 2-64-1-2-12.jpeg
Description: General View of Area

File Name: 2-94-1-2-12.jpeg
Description: View of Penetration Support and Branch Line with Adequate Flexibility

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary Component CLG Pump "A"-C/

Location: Bldg. AXLB Floor El. 735 Room N/EAST 2 AXLB 735

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

Skid is anchored by 10-7/8" dia anchors. Each long side of the skid has 5 anchors, with 3 of those anchors concentrated at the nozzle end.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No. 12241-RC-36P-9 confirms the configuration of 10-7/8" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary Component CLG Pump "A"-C/

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Discharge nozzle piping observed to be adequately supported in the E-W direction, with lateral support in N-S direction ~40' away.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

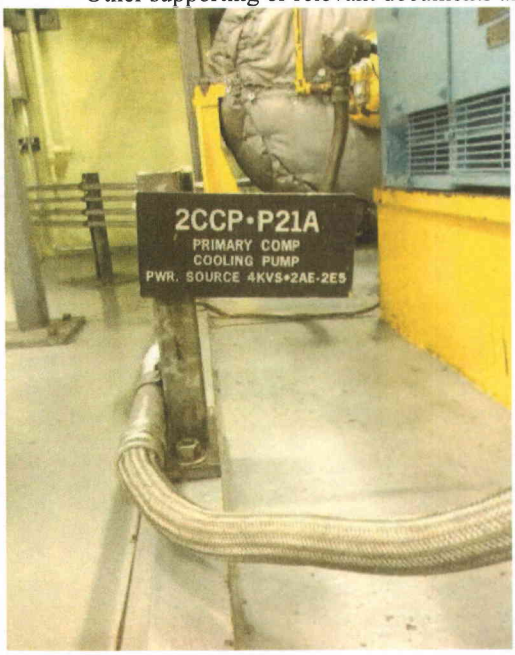
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

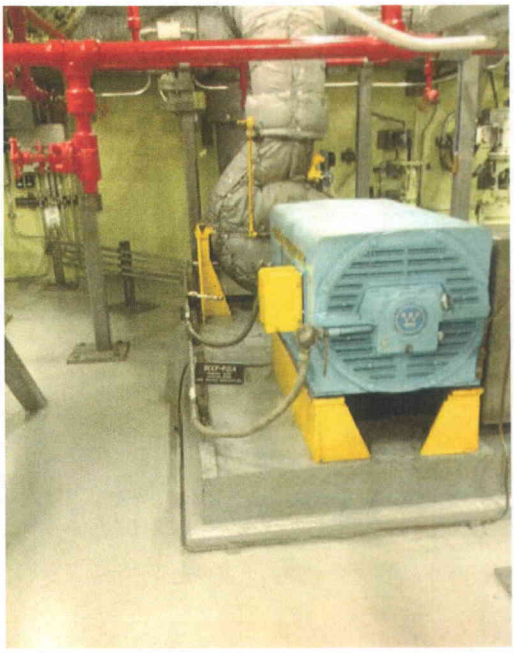
Equipment ID No. 2CCP-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary Component CLG Pump "A"-C/

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



File Name: 2-61-2-2-03.jpeg
Description: Component Plate ID



File Name: 2-62-2-2-03.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary Component CLG Pump "A"-C/

File Name: 2-63-2-2-03.jpeg
Description: Close Up View of Anchorage

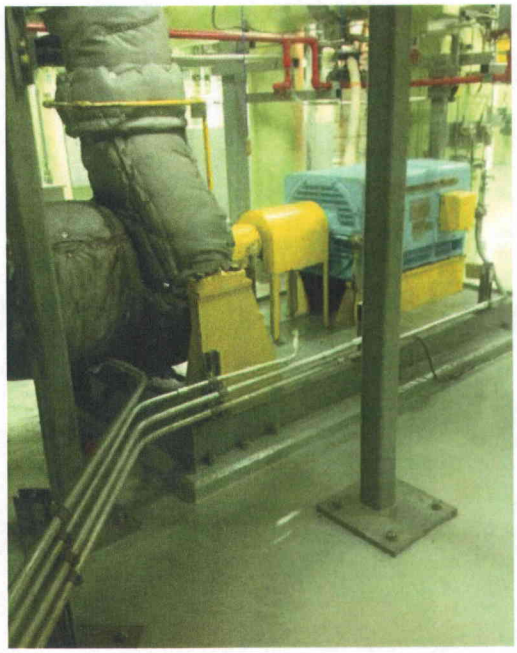
File Name: 2-64-2-2-03.jpeg
Description: Close Up View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary Component CLG Pump "A"-C/



File Name: 2-73-2-2-03.jpeg
Description: General View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-PT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Pressure Output

Location: Bldg. RCBX Floor El. 718 Room RCBX 718

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

Rack consists of a HSS 6x6 post (~3.5' tall) welded to floor. Instrument attached to face of the rack with 4-3/8" diam machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No. 12241-BK-16G-8-2F confirms mounting bolt pattern and welded base.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-PT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Pressure Output

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

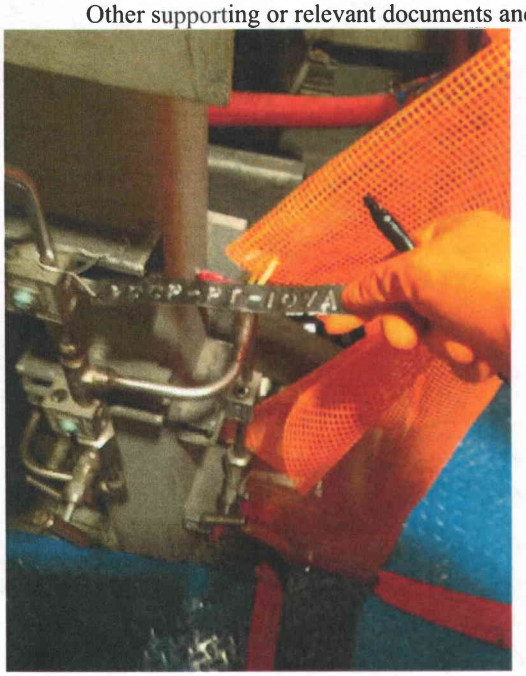
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-PT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Pressure Output

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



File Name: 2-61-8-2-19.jpeg
Description: Component Tag ID

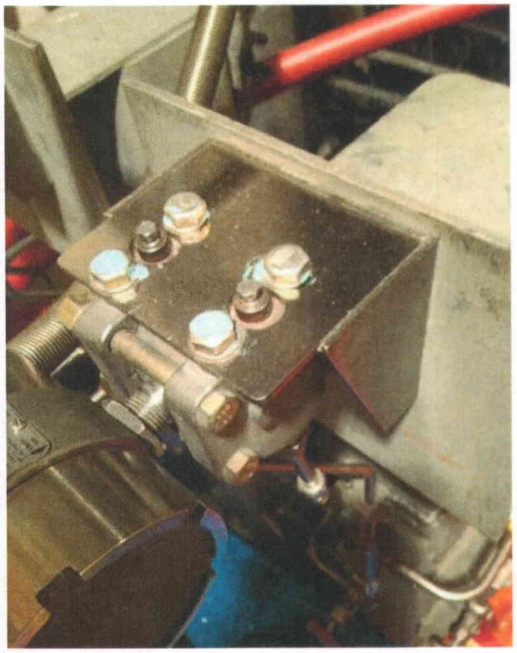
File Name: 2-73-8-2-19.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-PT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Pressure Output



File Name: 2-62-8-2-19.jpeg
Description: View of Mounting Bolts

File Name: 2-63-8-2-19.jpeg
Description: View of Mounting Bolts

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-PT107A Equip. Class 18. Instrument on Rack

Equipment Description Reactor Coolant Pump 2RCS-P21A Thermal Barrier Pressure Output

File Name: 2-64-8-2-19.jpeg
Description: View of Base Weld

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Component Cooling Surge Tank

Location: Bldg. AXLB Floor El. 773 Room AXLB 773 Cool Surge Tank

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

8 -1" diameter anchors around perimeter of tank. Chairs are 5" high with 3/8" thick side plates and 1/2" thick top plate.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

Tank and anchorage found in good condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Calculation NM(B)-436-IA confirms 8-1" diameter anchors around tank perimeter.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Component Cooling Surge Tank

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Component Cooling Surge Tank

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

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

File Name: 2-62-1-2-05.jpeg
Description: Close Up View of Anchorage

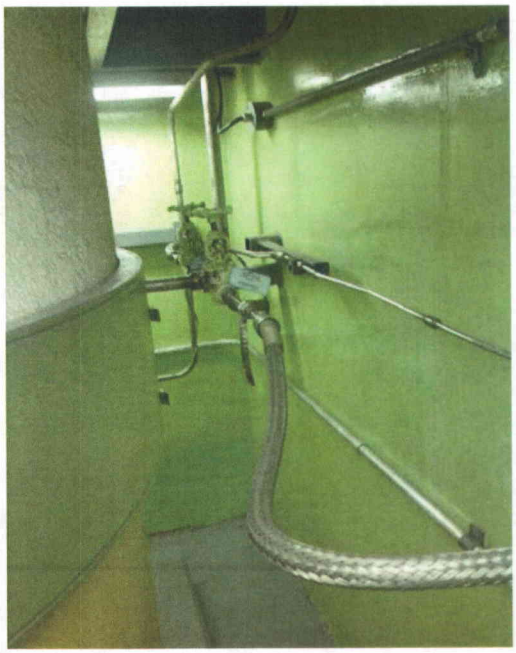
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CCP-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Component Cooling Surge Tank

File Name: 2-63-1-2-05.jpeg
Description: General View of Component



File Name: 2-64-1-2-05.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-FCV114A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Primary Grade Water To Boric Acid Blender

Location: Bldg. AXLB Floor El. 710 Room AXLB 710

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 AOV mounted on ~3"diameter insulated line. Piping is well supported 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
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. 2CHS-FCV114A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Primary Grade Water To Boric Acid Blender

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

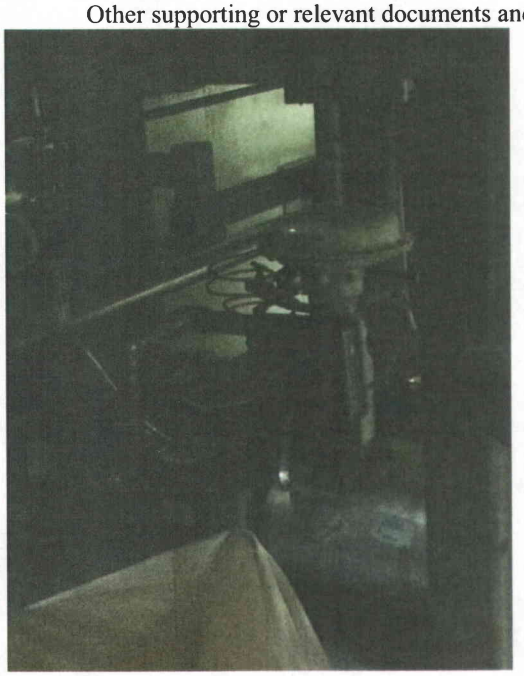
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-FCV114A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Primary Grade Water To Boric Acid Blender

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



File Name: 2-61-6-2-01.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-HCV186 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RCP Seal HDR Flow Control

Location: Bldg. AXLB Floor El. 718 Room AXLB 718

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

AOV on ~4"diameter line. Piping is well supported near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Valve found in good condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-HCV186 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RCP Seal HDR Flow Control

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-HCV186 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RCP Seal HDR Flow Control

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

File Name: 2-61-3-2-02.jpeg
Description: Component Plate ID

File Name: 2-62-3-2-02.jpeg
Description: General View of Component (Center Valve)

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-HCV186 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RCP Seal HDR Flow Control

File Name: 2-63-3-2-02.jpeg
Description: General View of Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-LCV115B Equip. Class 8A. Motor Operated Valve

Equipment Description Provide RWST Flow Path To HHSI

Location: Bldg. AXLB Floor El. 718 Room AXLB 718

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?		X		
MOV on ~8" diameter line. Piping is well supported near valve.				
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
Valve found in good condition.				
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-LCV115B Equip. Class 8A. Motor Operated Valve

Equipment Description Provide RWST Flow Path To HHSI

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-LCV115B Equip. Class 8A. Motor Operated Valve

Equipment Description Provide RWST Flow Path To HHSI

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

File Name: 2-61-1-2-02.jpeg
Description: Component Plate ID

File Name: 2-62-1-2-02.jpeg
Description: General View of Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV310 Equip. Class 8a. Motor Operated Valve

Equipment Description Iso To Charging System

Location: Bldg. RCBX Floor El. 692 Room RCBX 692-Near Inner Stairs

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

MOV on ~8" diam line. Line is well supported ~3' from valve at both sides.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV310 Equip. Class 8a. Motor Operated Valve

Equipment Description Iso To Charging System

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Temporary equipment in area judged not to be a credible interaction concern.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	X			

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

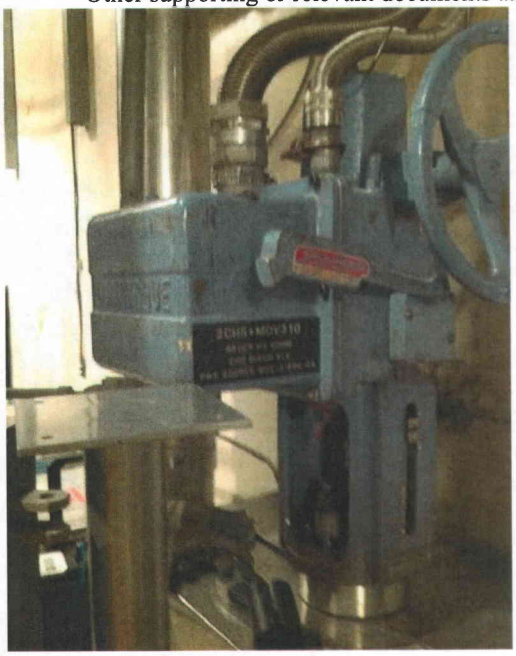
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

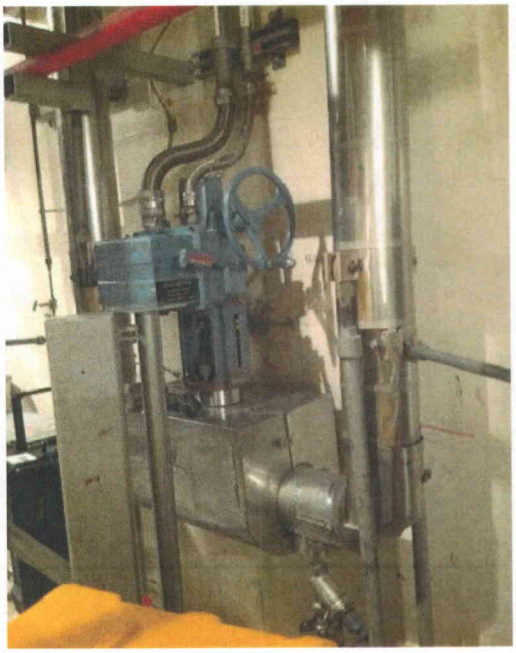
Equipment ID No. 2CHS-MOV310 Equip. Class 8a. Motor Operated Valve

Equipment Description Iso To Charging System

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



File Name: 2-61-3-2-17.jpeg
Description: Component Plate ID



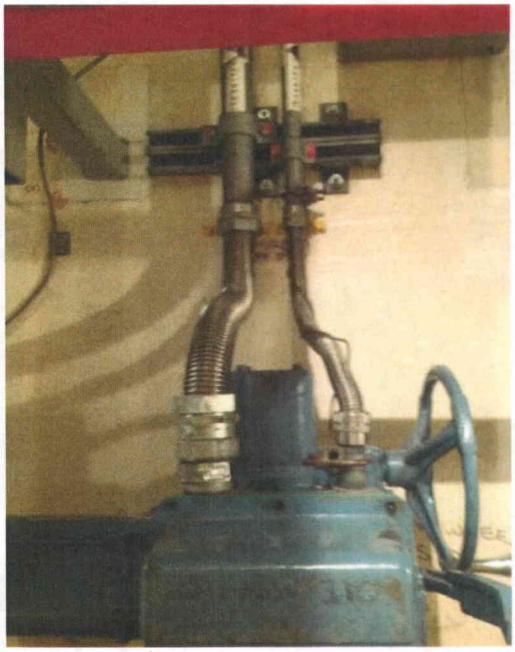
File Name: 2-62-3-2-17.jpeg
Description: General View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV310 Equip. Class 8a. Motor Operated Valve

Equipment Description Iso To Charging System



File Name: 2-63-3-2-17.jpeg
Description: View of Attached Lines

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV8132A Equip. Class 8A. Motor Operated Valve

Equipment Description ISOL - Redundent (Inject To Recirc.)

Location: Bldg. AXLB Floor El. 718 Room AXLB 718

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

MOV on ~4" diameter line. Piping is well supported near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Valve found in good condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV8132A Equip. Class 8A. Motor Operated Valve

Equipment Description ISOL - Redundent (Inject To Recirc.)

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached conduit found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

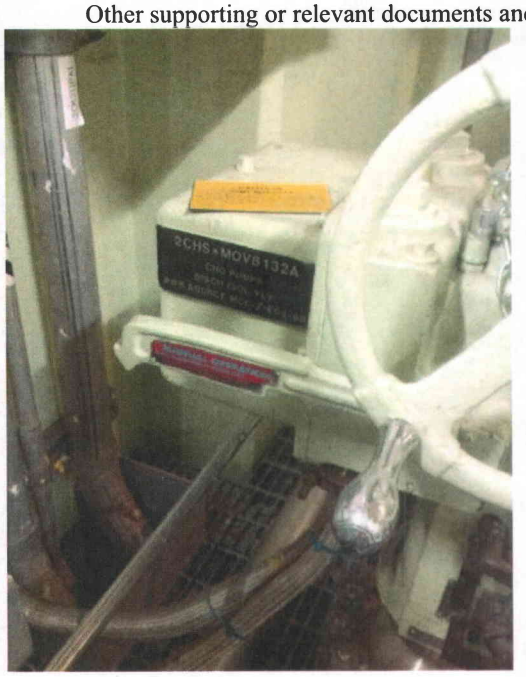
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV8132A Equip. Class 8A. Motor Operated Valve

Equipment Description ISOL - Redundent (Inject To Recirc.)

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



File Name: 2-61-2-2-02.jpeg
Description: Component Plate ID

File Name: 2-62-2-2-02.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-MOV8132A Equip. Class 8A. Motor Operated Valve

Equipment Description ISOL - Redundent (Inject To Recirc.)

File Name: 2-63-2-2-02.jpeg
Description: General View of Component and Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary HHSI (Charging) Pump

Location: Bldg. AXLB Floor El. 735 Room AXLB-CP-735

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

Skid is anchored by 16-1" diameter anchors, 6 along each long side, 2 along each short side. Nozzles are well supported.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Drawings 10080-RC-36N and 10080-RC-36P confirm the anchorage configuration as 16-1" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary HHSI (Charging) Pump

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Monorail crane in area judged not to be an interaction concern.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

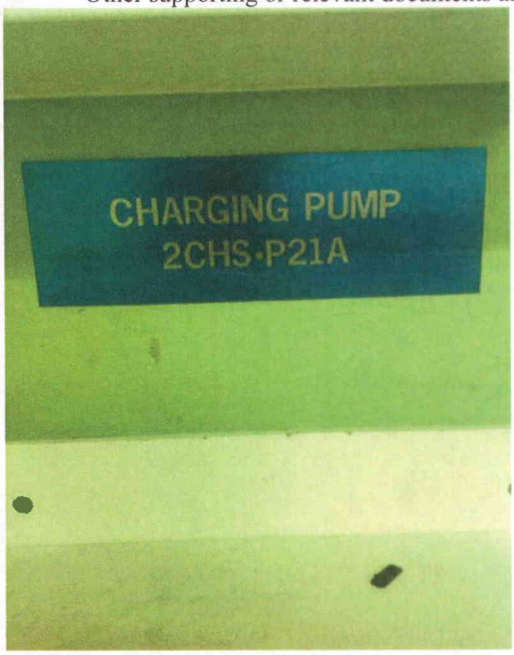
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary HHSI (Charging) Pump

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



File Name: 2-61-3-2-03.jpeg
Description: Component Plate ID

File Name: 2-62-3-2-03.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Primary HHSI (Charging) Pump

File Name: 2-63-3-2-03.jpeg
Description: Close Up View of Anchorage

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-SOV206 Equip. Class 8B. Solenoid Valve

Equipment Description Alternate Emergency Borate Valve

Location: Bldg. AXLB Floor El. 755 Room AXLB 755 Boric Acid TK Room

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)?

~24" tall SOV on ~3"diameter line. Piping is well supported 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
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. 2CHS-SOV206 Equip. Class 8B. Solenoid Valve

Equipment Description Alternate Emergency Borate Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			

	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			

	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-SOV206 Equip. Class 8B. Solenoid Valve

Equipment Description Alternate Emergency Borate Valve

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

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

File Name: 2-62-1-2-04.jpeg
Description: General View of Component and Main Line

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Boric Acid Tank

Location: Bldg. AXLB Floor El. 755 Room AXLB 755 Boric Acid TK Room

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

Flat bottomed tank anchored by 6- 1 3/4"diameter anchor bolts around tank perimeter. Chairs are 12 inches high with 3/4 inch thick side plates and 1.5 inch thick top plates

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No. 2003.470-033-011 confirms anchorage configuration as 6-1 3/4" diameter anchors around tank perimeter.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Boric Acid Tank

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Boric Acid Tank

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

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

File Name: 2-62-4-2-04.jpeg
Description: Close Up View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CHS-TK21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Boric Acid Tank

File Name: 2-63-4-2-04.jpeg
Description: General View of Component

File Name: 2-64-4-2-04.jpeg
Description: General View of Pedestal and Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV102 Equip. Class 8B. Solenoid Valve

Equipment Description Containment ISO CIS Penetr #43

Location: Bldg. MSCV Floor El. 718 Room MSCV 718

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)?

SOV on ~1 3/4" diameter line. Main line is well supported within ~10" of valve on each side.

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
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. 2CVS-SOV102 Equip. Class 8B. Solenoid Valve

Equipment Description Containment ISO CIS Penetr #43

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

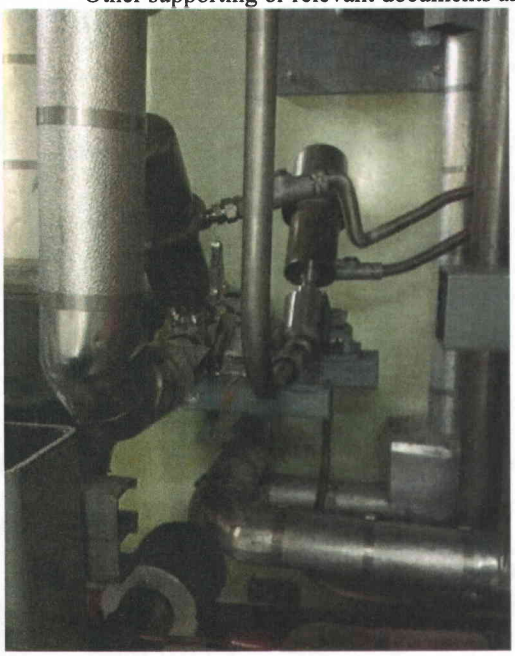
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

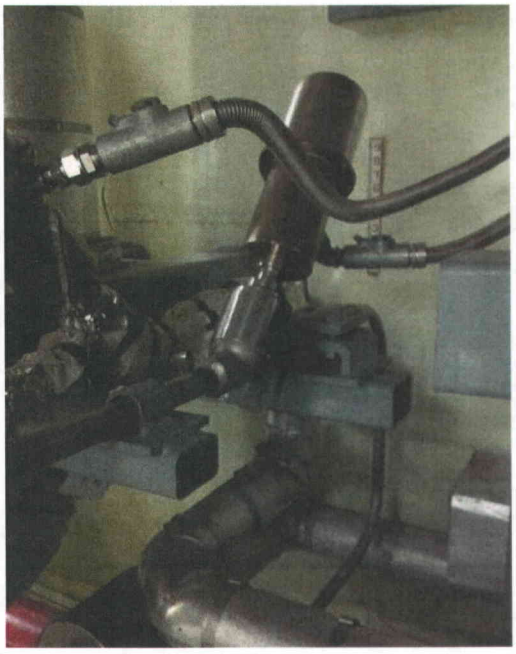
Equipment ID No. 2CVS-SOV102 Equip. Class 8B. Solenoid Valve

Equipment Description Containment ISO CIS Penetr #43

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



File Name: 2-61-1-2-11.jpeg
Description: General View of Component



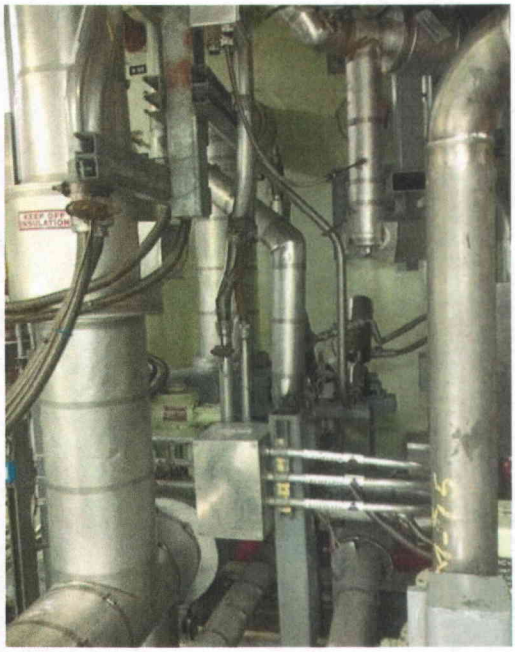
File Name: 2-64-1-2-11.jpeg
Description: General View of Component and Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV102 Equip. Class 8B. Solenoid Valve

Equipment Description Containment ISO CIS Penetr #43



File Name: 2-73-1-2-11.jpeg
Description: General View of Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV151A Equip. Class 8B. Solenoid Valve

Equipment Description CNTM Isolation CIA Penetr 93

Location: Bldg. MSCV Floor El. 718 Room MSCV 718

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

Solenoid valve on a ~2" diameter line. Main line is well supported within ~10"of valve on each side.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV151A Equip. Class 8B. Solenoid Valve

Equipment Description CNTM Isolation CIA Penetr 93

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			

	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? *Temporary scaffolding constructed over component is properly braced and has a seismic qualification tag.*	X			

	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

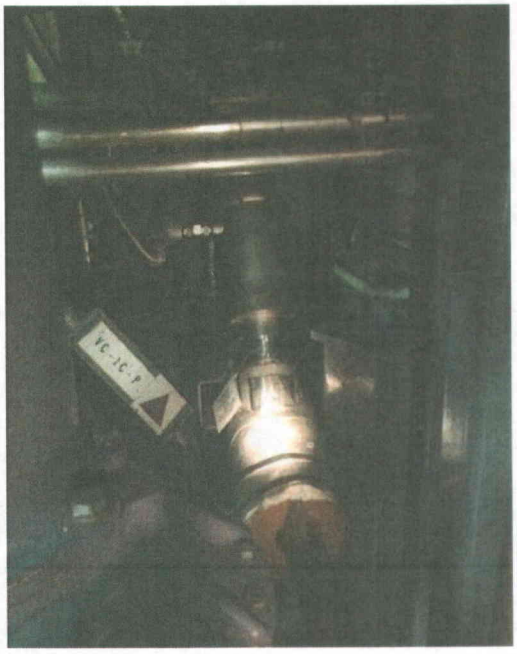
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV151A Equip. Class 8B. Solenoid Valve

Equipment Description CNTM Isolation CIA Penetr 93

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

File Name: 2-62-2-2-11.jpeg
Description: General View of Component



File Name: 2-64-2-2-11.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2CVS-SOV151A Equip. Class 8B. Solenoid Valve

Equipment Description CNTM Isolation CIA Penetr 93

File Name: 2-73-2-2-11.jpeg
Description: General View of Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2DAS-AOV100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 38

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-PEN-724 COL 9

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Tall AOV (~3') mounted on ~3" diam line. Line is supported ~12" from valve on one side.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2DAS-AOV100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 38

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

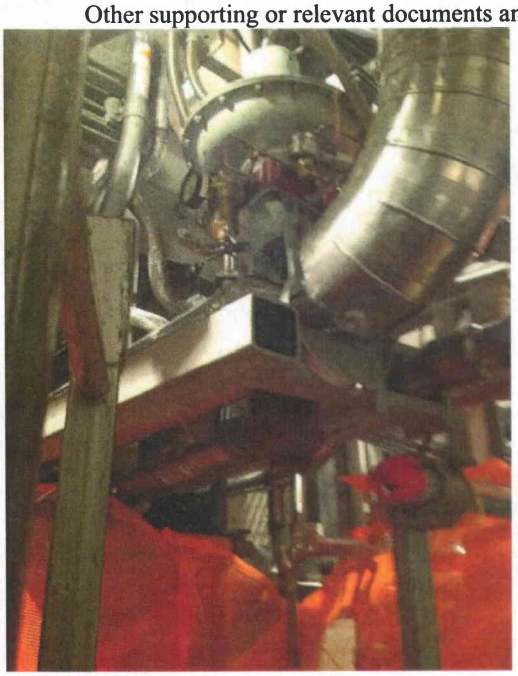
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2DAS-AOV100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 38

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



File Name: 2-61-10-2-19.jpeg
Description: General View of Component

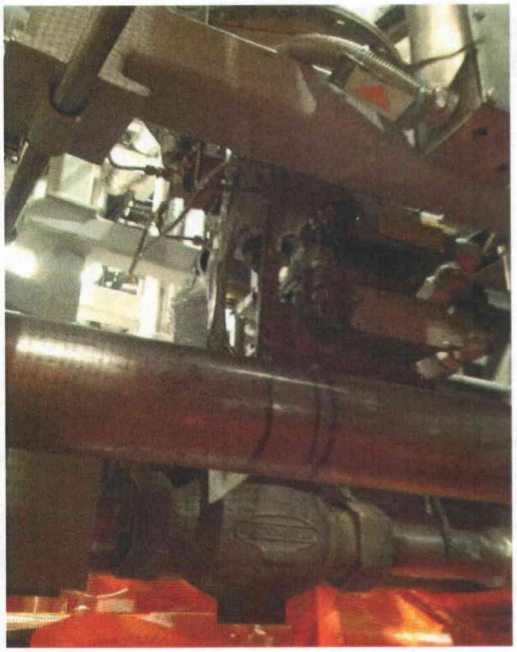
File Name: 2-63-10-2-19.jpeg
Description: View of Main Line

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2DAS-AOV100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 38



File Name: 2-64-10-2-19.jpeg
Description: General View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-LIS203A Equip. Class 18. Instrument on Rack

Equipment Description Emergency Gen Day Tank Level Indicator

Location: Bldg. DGBX Floor El. 732 Room EDG 2-1

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

Mounted to plate with 4~1/2" diameter machine bolts. Plate is anchored to wall with ~2" fillet welds to wall embed on top left and bottom left, 2~1/4" anchor bolts on right.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-LIS203A Equip. Class 18. Instrument on Rack

Equipment Description Emergency Gen Day Tank Level Indicator

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

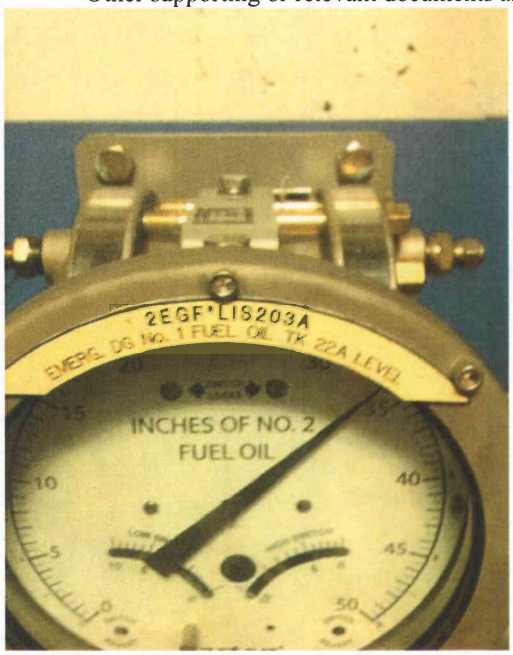
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

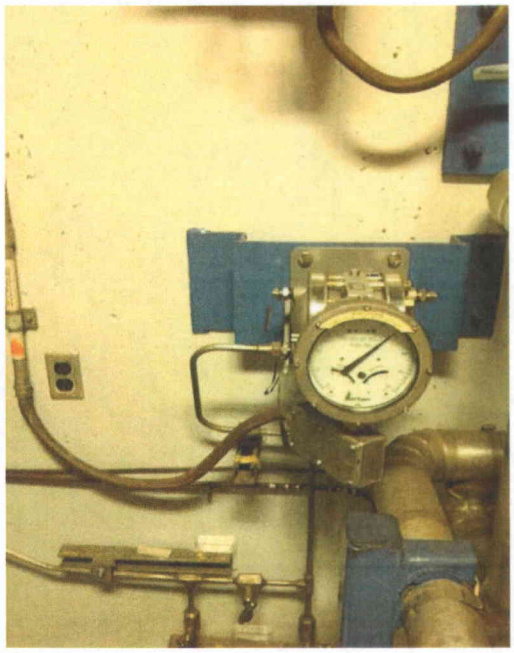
Equipment ID No. 2EGF-LIS203A Equip. Class 18. Instrument on Rack

Equipment Description Emergency Gen Day Tank Level Indicator

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



File Name: 2EGF-LIS203A(1).jpg
Description: Component Plate ID



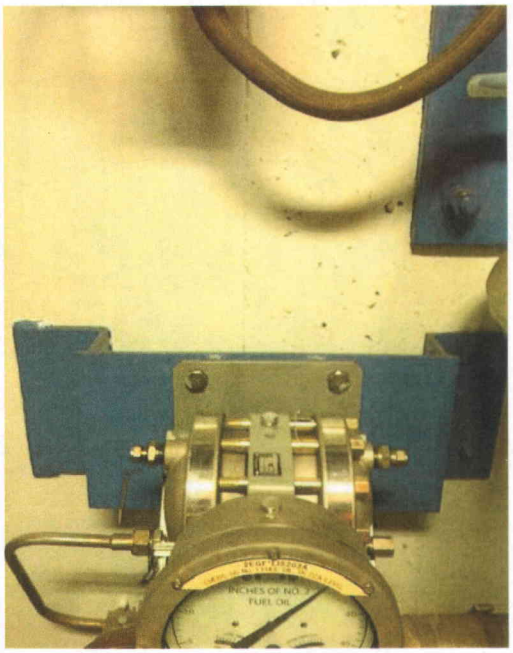
File Name: 2EGF-LIS203A(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-LIS203A Equip. Class 18. Instrument on Rack

Equipment Description Emergency Gen Day Tank Level Indicator



File Name: 2EGF-LIS203A(3).jpg
Description: View of Component Anchorage

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-P21A Equip. Class 6. Vertical Pumps

Equipment Description C/S DG 2-1 Fuel Oil XFER PP

Location: Bldg. DGBX Floor El. 732 Room EDG 2-1

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Vertical pump connected to embedded pipe flange with 12~3/4" diameter machine bolts around perimeter.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-P21A Equip. Class 6. Vertical Pumps

Equipment Description C/S DG 2-1 Fuel Oil XFER PP

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

~4"diameter nozzle piping has a tributary span of ~14 feet and is judged acceptable.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

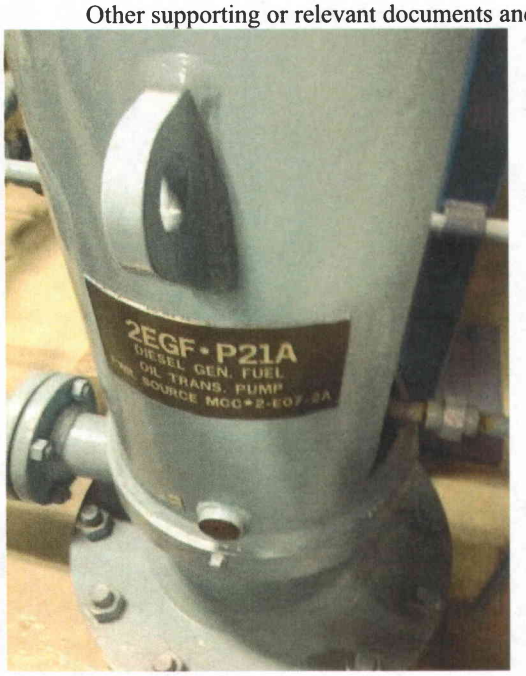
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-P21A Equip. Class 6. Vertical Pumps

Equipment Description C/S DG 2-1 Fuel Oil XFER PP

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



File Name: 2EGF-P21A(1).jpg
Description: Component Plate ID

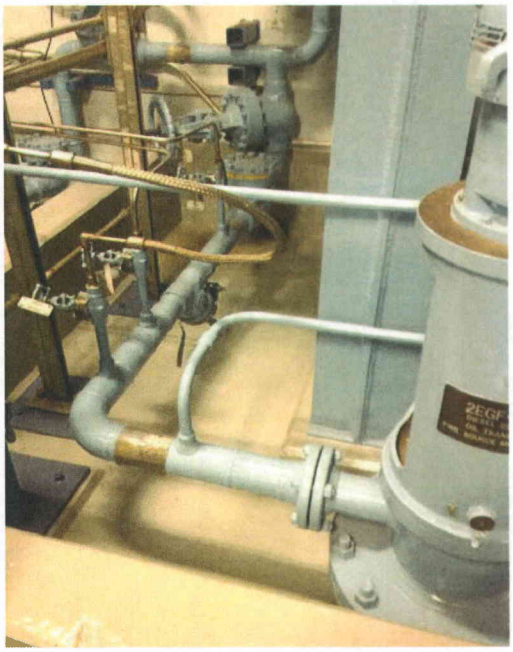
File Name: 2EGF-P21A(2).jpg
Description: General View of Component and Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-P21A Equip. Class 6. Vertical Pumps

Equipment Description C/S DG 2-1 Fuel Oil XFER PP



File Name: 2EGF-P21A(3).jpg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-TK22A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Diesel Gen Fuel Oil Day Tank

Location: Bldg. DGBX Floor El. 732 Room EDG 2-1

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)?

Horizontal tank supported by two tall saddles. Each saddle is anchored by 4-7/8" diameter anchor bolts.

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.)

Drawing 10080-RC-29A and Drawing 10080-RC-29B confirm anchorage configuration as two plates, each anchored by 4-7/8" diameter anchor bolts.

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. 2EGF-TK22A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Diesel Gen Fuel Oil Day Tank

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			

	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			

Overhead cable trays are adequately supported. Flourescent lighting judged not to create significant impact.

	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	X			

Attached small diameter lines have adequate flexibility. One ~4" diameter line has a tributary span of ~14' and is judged to be acceptable.

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

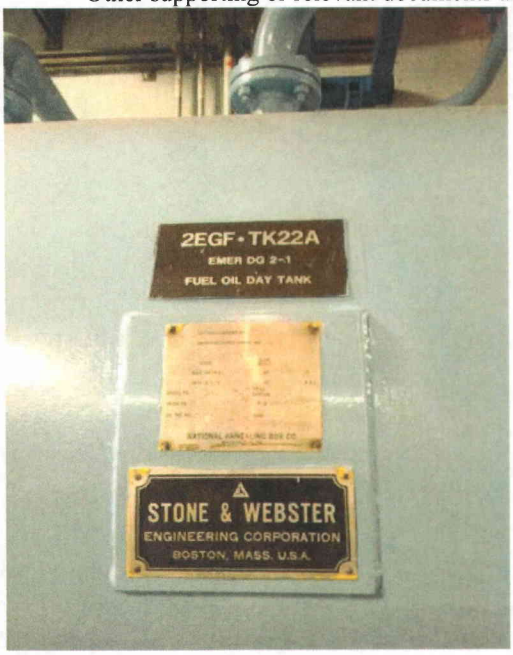
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-TK22A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Diesel Gen Fuel Oil Day Tank

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



File Name: 2EGF-TK22A(1).jpg
Description: Component Plate ID

File Name: 2EGF-TK22A(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-TK22A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Diesel Gen Fuel Oil Day Tank

File Name: 2EGF-TK22A(3).jpg
Description: View of Anchor Bolts

File Name: 2EGF-TK22A(4).jpg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGF-TK22A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Diesel Gen Fuel Oil Day Tank

File Name: 2EGF-TK22A(5).jpg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGS-EG2-1 Equip. Class 17. Diesel Generator

Equipment Description Emergency Diesel Generator

Location: Bldg. DGBX Floor El. 732 Room EDG 2-1

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

Component anchored around perimeter by 1.5" diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Drawing 10080-RC-29B confirms 1.5" diameter anchor bolt configuration as described in question 1 above.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGS-EG2-1 Equip. Class 17. Diesel Generator

Equipment Description Emergency Diesel Generator

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			

	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? *Temporary scaffolding in area is properly braced.*	X			

	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

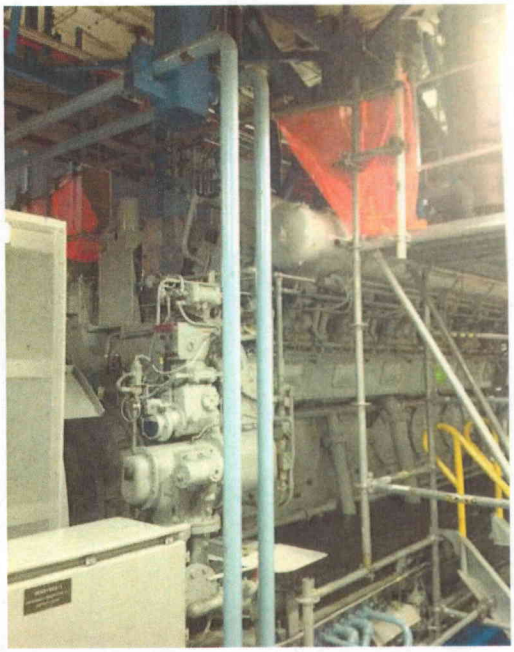
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGS-EG2-1 Equip. Class 17. Diesel Generator

Equipment Description Emergency Diesel Generator

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

File Name: 2EGS-EG2-1(1).jpg
Description: Component Plate ID



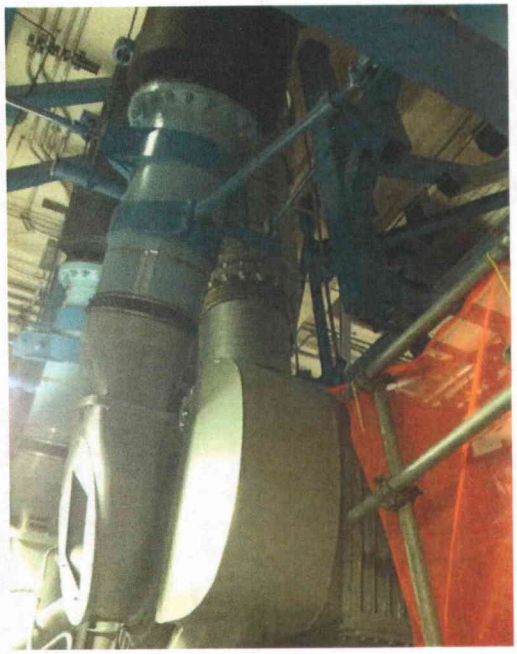
File Name: 2EGS-EG2-1(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2EGS-EG2-1 Equip. Class 17. Diesel Generator

Equipment Description Emergency Diesel Generator



File Name: 2EGS-EG2-1(3).jpg
Description: View of Exhaust Pipe Bracing

File Name: 2EGS-EG2-1(4).jpg
Description: View of Typical Anchor Bolts

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-108 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Cooling Pump (2FNC*P21A) Discharge Check Valve

Location: Bldg. FULB Floor El. 729 Room FULB 729 PMP Room

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

Check valve on ~6"diameter discharge line.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-108 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Cooling Pump (2FNC*P21A) Discharge Check Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-108 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Cooling Pump (2FNC*P21A) Discharge Check Valve

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

File Name: 2-61-6-2-29.jpeg
Description: Component Plate ID

File Name: 2-62-6-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-108 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Cooling Pump (2FNC*P21A) Discharge Check Valve

File Name: 2-63-6-2-29.jpeg
Description: General View of Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Fuel Pool Heat Exchanger

Location: Bldg. FULB Floor El. 740 Room FULB 741 HX Room

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

~4'diameter HX mounted on 2 saddles. Each saddle mounted to ~18" tall concrete pedestals with 4-1" diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No. 10080-RC-0038K confims anchorage configuration as two supports, each anchored with 4-1" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Fuel Pool Heat Exchanger

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Piping from pump 2FNC-P21A to heat exchanger 2FNC-E21A spans ~50' and was observed to have minimal lateral support. Nozzle load/pipe stress calculation was checked to verify that pump was designed for nozzle loads, and the configuration was judged to be adequate. See also SWC for 2FNC-P21A (Sheet 124 of 513).

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

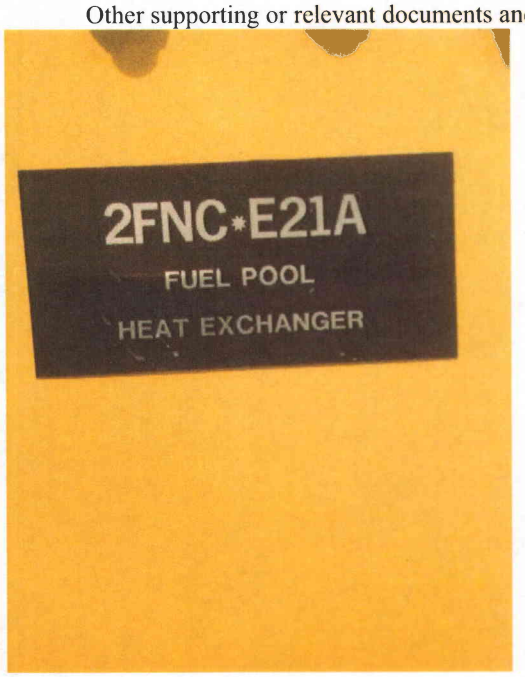
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Fuel Pool Heat Exchanger

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



File Name: 2-61-2-2-29.jpeg
Description: Component Plate ID

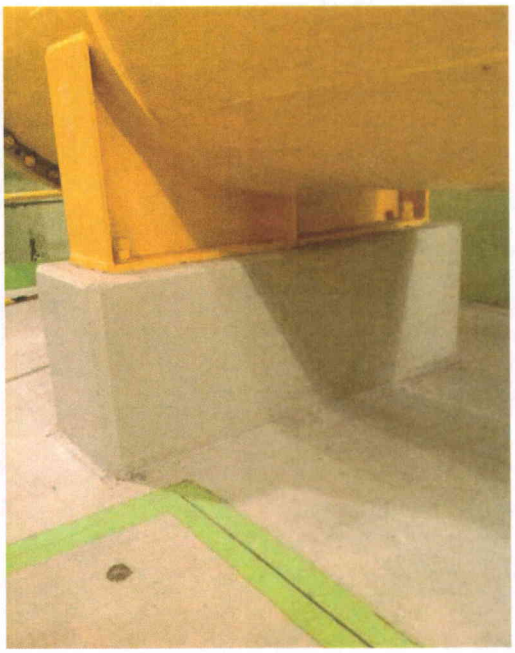
File Name: 2-62-2-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

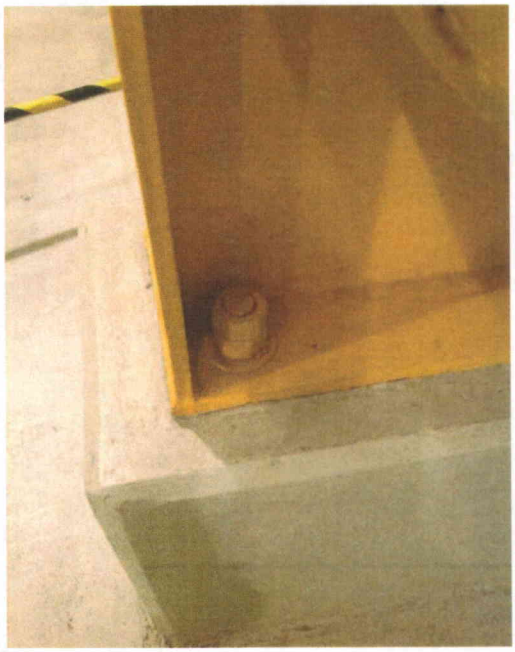
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Fuel Pool Heat Exchanger



File Name: 2-63-2-2-29.jpeg
Description: Close Up View of Saddle Support



File Name: 2-64-2-2-29.jpeg
Description: Close Up View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-E21A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Fuel Pool Heat Exchanger

File Name: 2-73-2-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-EJM230A Equip. Class 0. Other

Equipment Description 2FNC-P21A Suction Header Exp Joint

Location: Bldg. FULB Floor El. 729 Room FULB 729 PMP Room

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

Expansion joint with limit rods. Attached piping is well supported.

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. 2FNC-EJM230A Equip. Class 0. Other

Equipment Description 2FNC-P21A Suction Header Exp Joint

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Piping from pump 2FNC-P21A to heat exchanger 2FNC-E21A spans ~50' and was observed to have minimal lateral support. Nozzle load/pipe stress calculation was checked to verify that pump was designed for nozzle loads, and the configuration was judged to be adequate. See also SWC for 2FNC-P21A (Sheet 124 of 513).

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

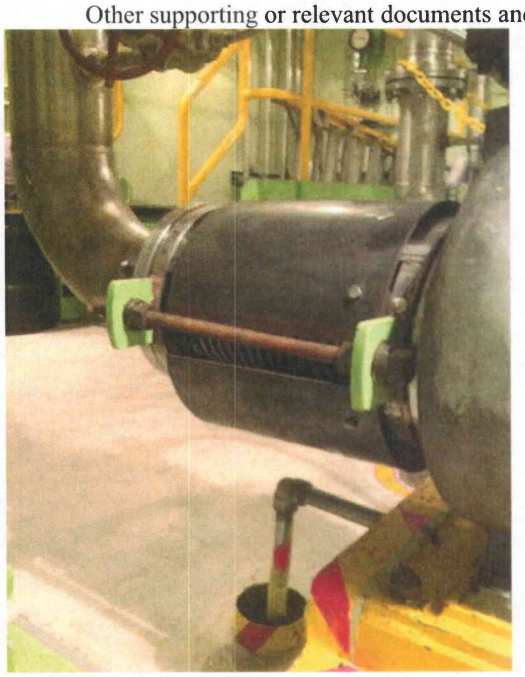
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-EJM230A Equip. Class 0. Other

Equipment Description 2FNC-P21A Suction Header Exp Joint

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



File Name: 2-61-8-2-29.jpeg
Description: General View of Component

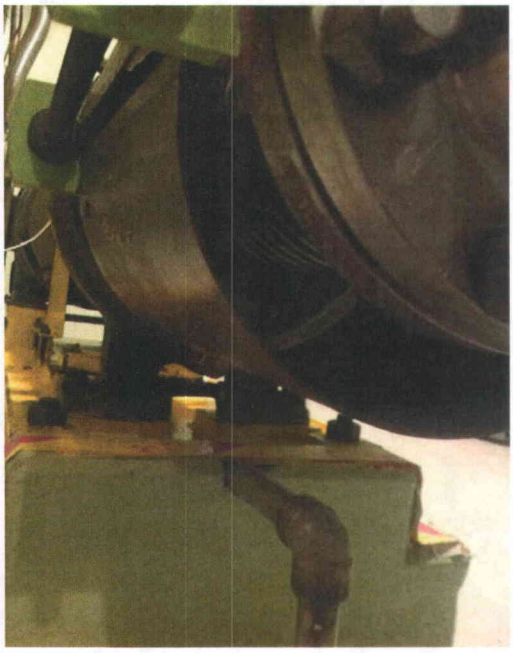
File Name: 2-62-8-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-EJM230A Equip. Class 0. Other

Equipment Description 2FNC-P21A Suction Header Exp Joint



File Name: 2-63-8-2-29.jpeg
Description: Close Up View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Pool Cooling Pump

Location: Bldg. FULB Floor El. 729 Room FULB 729 PMP Room

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

Small pump on skid anchored by 4-3/4" diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No.10080-RC-0038K confirms skid anchored by 4-3/4" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Pool Cooling Pump

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Piping from component to HX 2FNC-E21A spans ~50' and was observed to have minimal lateral support. Nozzle load/pipe stress calculation was checked to verify that pump was designed for nozzle loads, and the configuration was judged to be adequate.

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

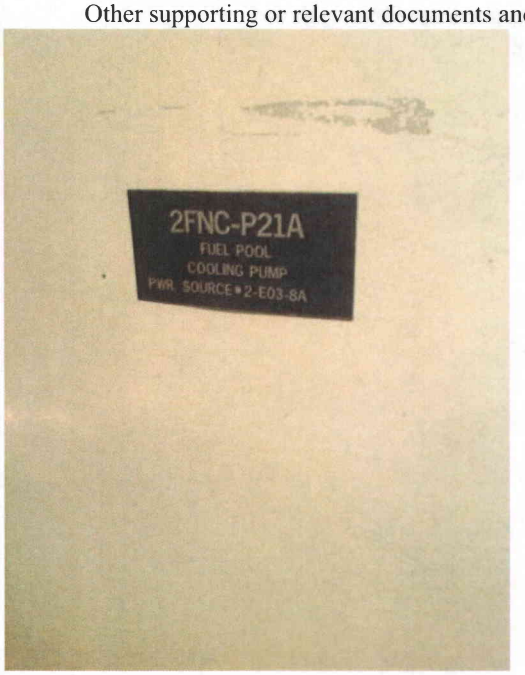
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Pool Cooling Pump

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



File Name: 2-61-7-2-29.jpeg
Description: Component Plate ID

File Name: 2-62-7-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Pool Cooling Pump

File Name: 2-63-7-2-29.jpeg
Description: Close Up View of Anchorage

File Name: 2-64-7-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-P21A Equip. Class 5. Horizontal Pumps

Equipment Description Fuel Pool Cooling Pump

File Name: 2-73-7-2-29.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-RV101 Equip. Class 0. Other

Equipment Description Relief Valve

Location: Bldg. FULB Floor El. 740 Room FULB 741 HX Room

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Small valve on ~6"diameter inlet piping to HX.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-RV101 Equip. Class 0. Other

Equipment Description Relief Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-RV101 Equip. Class 0. Other

Equipment Description Relief Valve

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

File Name: 2-61-5-2-29.jpeg
Description: Component Plate ID

File Name: 2-62-5-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-RV101 Equip. Class 0. Other

Equipment Description Relief Valve

File Name: 2-63-5-2-29.jpeg
Description: General View of Component and Main Line

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI101A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HT Exch 2FNC-E21A Inlet Temp

Location: Bldg. FULB Floor El. 740 Room FULB 741 HX Room

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *In-line temperature indicator on ~6" diameter line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI101A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HT Exch 2FNC-E21A Inlet Temp

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *No interaction concerns identified.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI101A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HT Exch 2FNC-E21A Inlet Temp

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

File Name: 2-61-4-2-29.jpeg
Description: Component Plate ID

File Name: 2-62-4-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI101A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HT Exch 2FNC-E21A Inlet Temp

File Name: 2-63-4-2-29.jpeg
Description: View of Component Area

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI102A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HX 21A Disch Temperature Ind

Location: Bldg. FULB Floor El. 740 Room FULB 741 HX Room

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
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *In-line temperature indicator on ~6" diameter line.*		X

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI102A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HX 21A Disch Temperature Ind

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *No interaction concerns identified.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

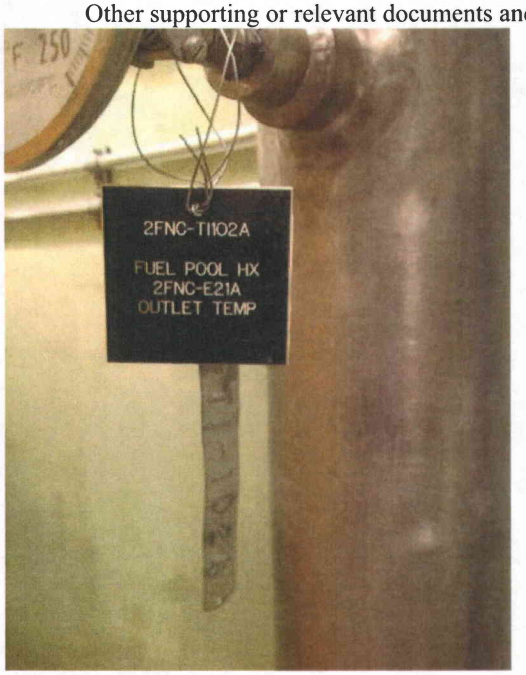
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

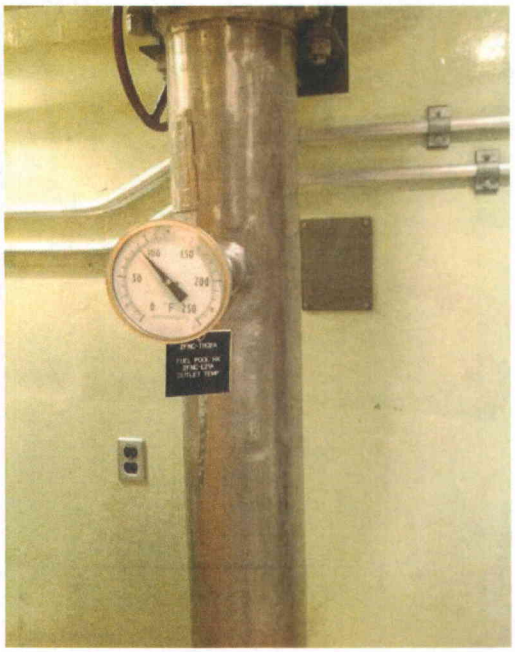
Equipment ID No. 2FNC-TI102A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HX 21A Disch Temperature Ind

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



File Name: 2-61-3-2-29.jpeg
Description: Component Plate ID



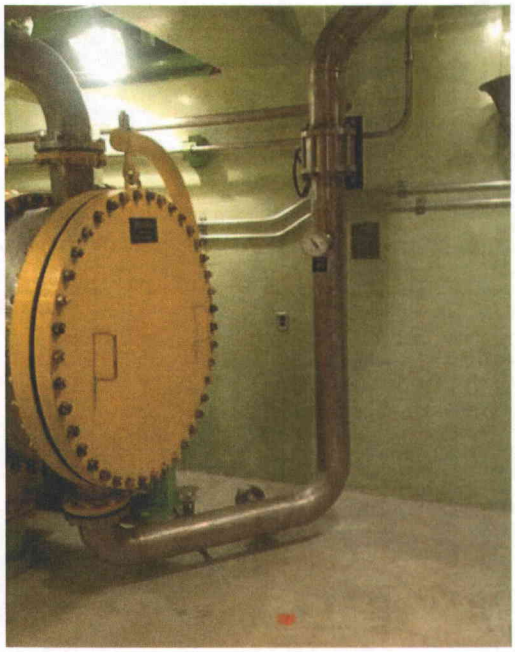
File Name: 2-62-3-2-29.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FNC-TI102A Equip. Class 19. Temperature Sensors

Equipment Description Fuel Pool HX 21A Disch Temperature Ind



File Name: 2-63-3-2-29.jpeg
Description: View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-FE101A Equip. Class 18. Instrument on Rack

Equipment Description 300 GPM Flow Element

Location: Bldg. SFGB Floor El. 741 Room SFGB 741 Cubicle A

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

Inline with ~4" diameter pipe. Pipe is well supported in area of component.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-FE101A Equip. Class 18. Instrument on Rack

Equipment Description 300 GPM Flow Element

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Nearby scaffolding is well braced.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

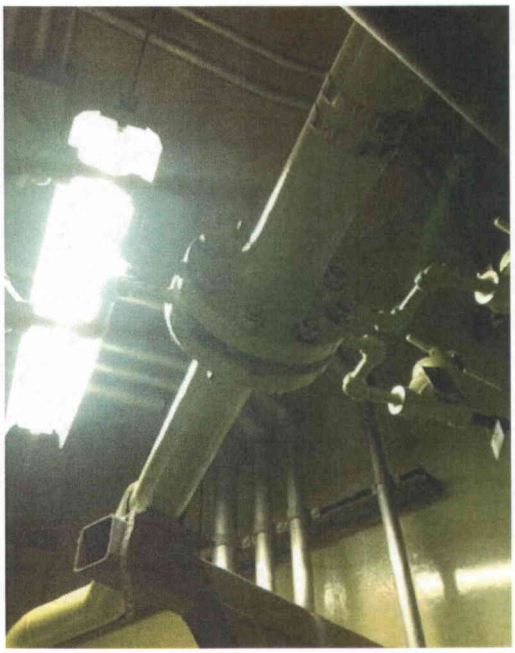
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-FE101A Equip. Class 18. Instrument on Rack

Equipment Description 300 GPM Flow Element

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

File Name: 2-61-3-2-25.jpeg
Description: Component Plate ID



File Name: 2-62-3-2-25.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-FE101A Equip. Class 18. Instrument on Rack

Equipment Description 300 GPM Flow Element

File Name: 2-63-3-2-25.jpeg
Description: View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-HCV100D Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21B SG AUX Feed Water Throttle

Location: Bldg. SFGB Floor El. 741 Room SFGB 741 Cubicle C

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

Heavy valve with good yoke supports on ~3" diameter line. Piping is well supported within ~12" of valve on either side.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-HCV100D Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21B SG AUX Feed Water Throttle

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	X			

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

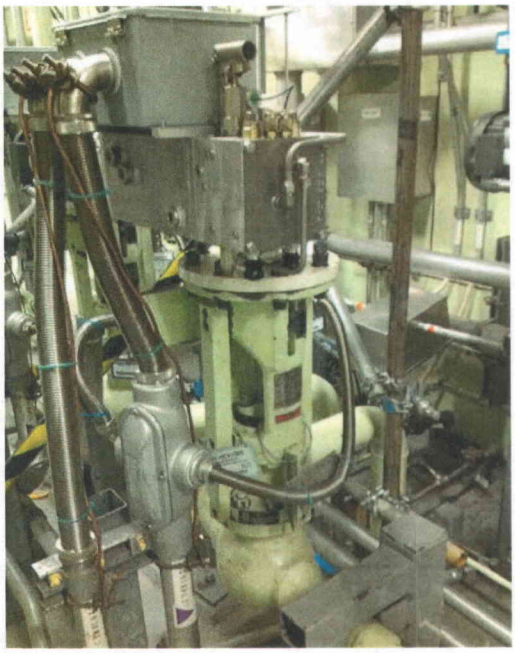
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-HCV100D Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21B SG AUX Feed Water Throttle

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

File Name: 2-61-1-2-25.jpeg
Description: Component Tag ID



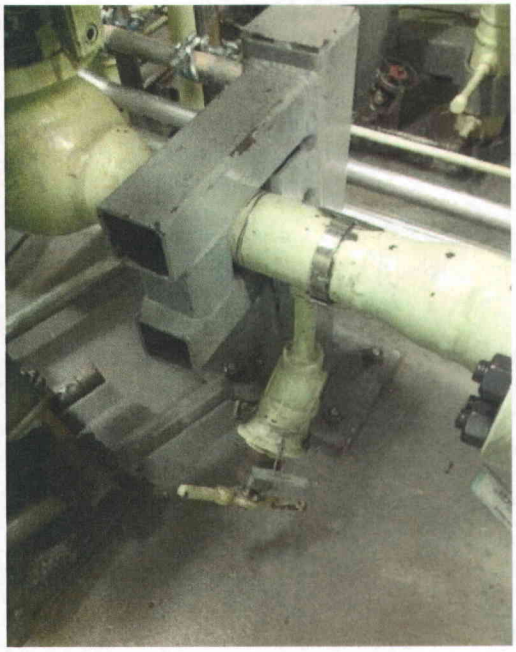
File Name: 2-62-1-2-25.jpeg
Description: General View of Component

Status: Ⓨ N U

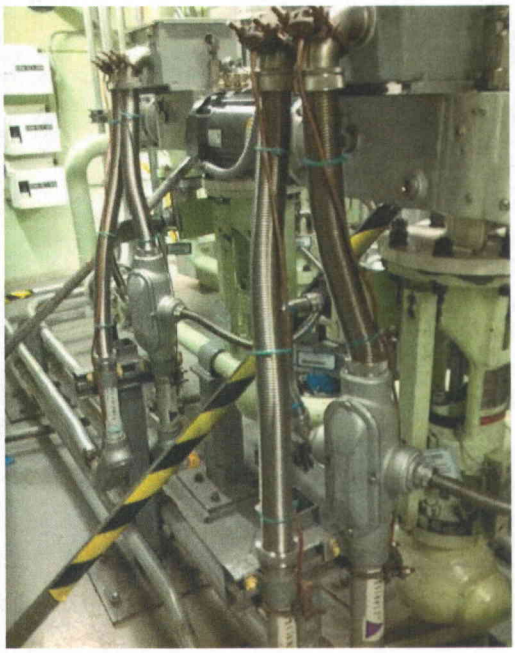
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-HCV100D Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21B SG AUX Feed Water Throttle



File Name: 2-63-1-2-25.jpeg
Description: View of Main Line Support



File Name: 2-64-1-2-25.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P22 Equip. Class 5. Horizontal Pumps

Equipment Description Aux Feed Pump Turbine Driven

Location: Bldg. SFGB Floor El. 718 Room SFGD 718

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

Pump skid is anchored by 6- 7/8" diameter anchors.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Calculation 12241-NM(B)-678-CZC confirms 6- 7/8" diameter anchors.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P22 Equip. Class 5. Horizontal Pumps

Equipment Description Aux Feed Pump Turbine Driven

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility. Nozzles are well supported.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P22 Equip. Class 5. Horizontal Pumps

Equipment Description Aux Feed Pump Turbine Driven

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

File Name: 2-61-3-2-23.jpeg
Description: Component Plate ID

File Name: 2-62-3-2-23.jpeg
Description: General View of Component

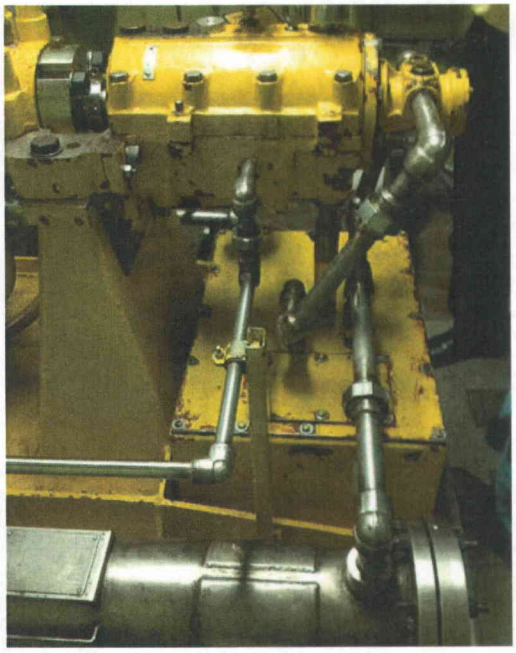
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P22 Equip. Class 5. Horizontal Pumps

Equipment Description Aux Feed Pump Turbine Driven

File Name: 2-63-3-2-23.jpeg
Description: Close Up View of Anchorage



File Name: 2-64-3-2-23.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P23A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Driven Aux Feed Pump

Location: Bldg. SFGB Floor El. 718 Room SFGD 718

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

Pump skid is anchored by 6 -7/8" diameter anchors.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Drawing 2002.400-208-028 and Calculation 2602.400-208-035C confirm anchorage configuration as 6-7/8" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P23A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Driven Aux Feed Pump

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility. Nozzles are well supported.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

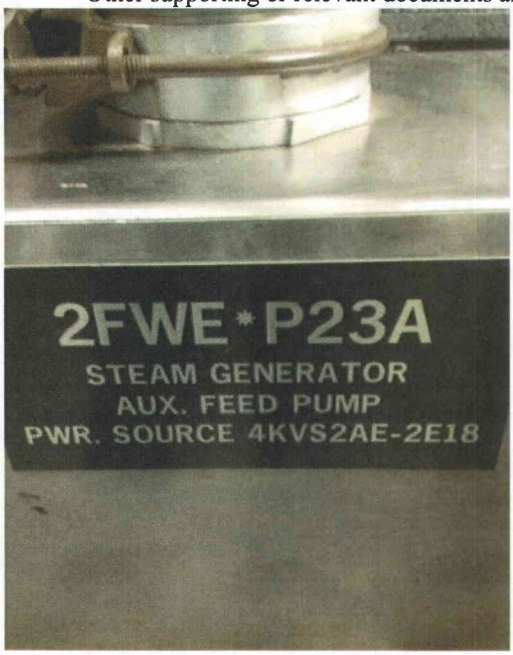
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

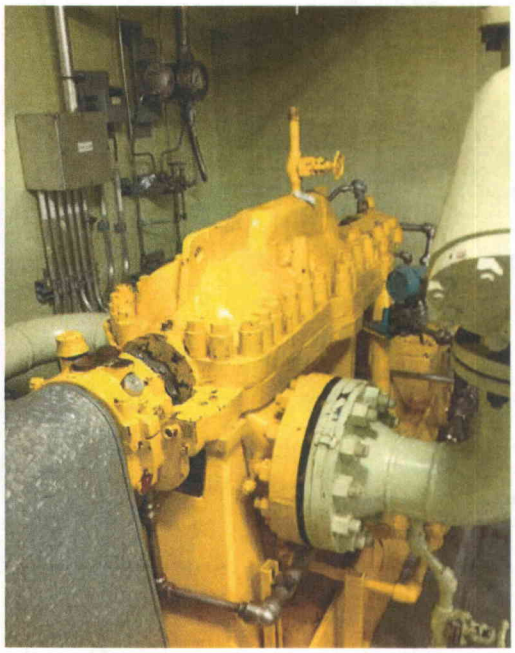
Equipment ID No. 2FWE-P23A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Driven Aux Feed Pump

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



File Name: 2-61-4-2-23.jpeg
Description: Component Plate ID



File Name: 2-62-4-2-23.jpeg
Description: General View of Component

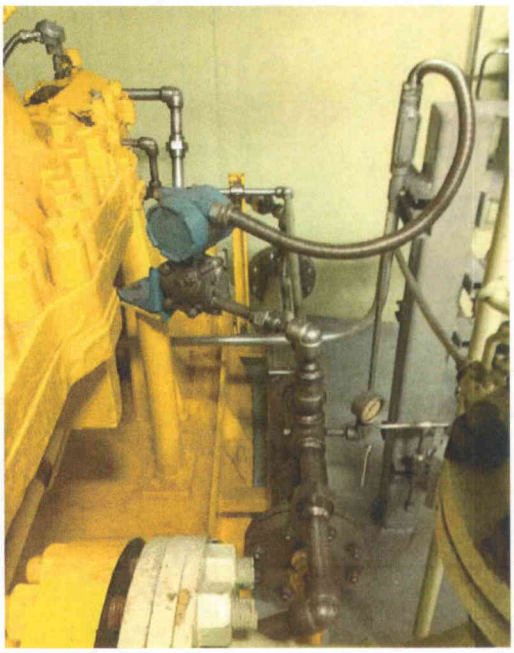
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWE-P23A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Driven Aux Feed Pump

File Name: 2-63-4-2-23.jpeg
Description: Close Up View of Anchorage



File Name: 2-64-4-2-23.jpeg
Description: View of Attached Lines

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV478 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21A SG Main Feedwater Reg Valve

Location: Bldg. SRVB Floor El. 780 Room SRVB 780

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

Valve on ~8" diameter insulated line. Piping is well restrained near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV478 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21A SG Main Feedwater Reg Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV478 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21A SG Main Feedwater Reg Valve

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

File Name: 2-61-2-2-27.jpeg
Description: Component Tag ID

File Name: 2-62-2-2-27.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV478 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description 21A SG Main Feedwater Reg Valve

File Name: 2-63-2-2-27.jpeg
Description: View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV479 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description C/S 21A SG Bypass FW Control Valve

Location: Bldg. SRVB Floor El. 780 Room SRVB 780

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

Valve on ~8" diameter insulated line. Piping is well restrained near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Surface rust at yoke bottom plate judged acceptable.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV479 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description C/S 21A SG Bypass FW Control Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

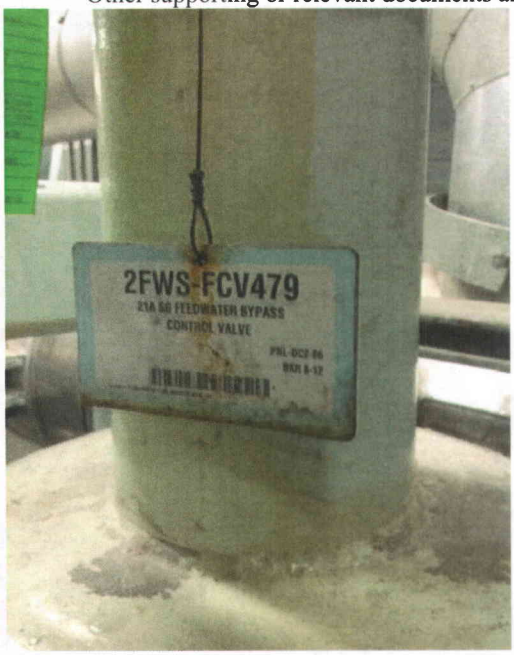
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV479 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description C/S 21A SG Bypass FW Control Valve

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



File Name: 2-64-1-2-27.jpeg
Description: Component Tag ID

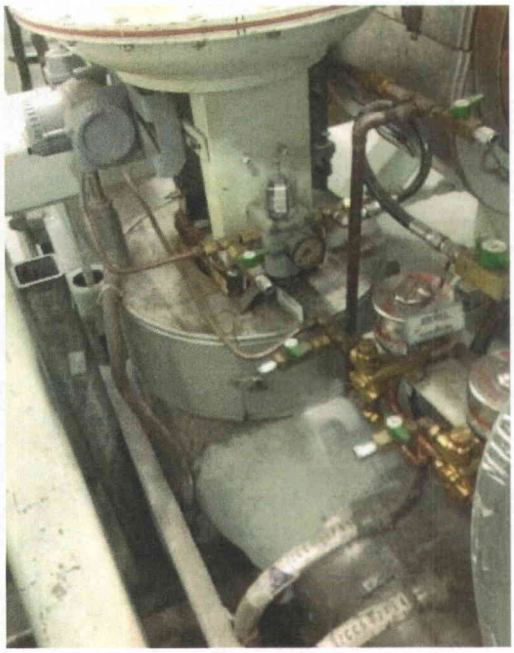
File Name: 2-63-1-2-27.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-FCV479 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description C/S 21A SG Bypass FW Control Valve



File Name: 2-73-1-2-27.jpeg
Description: View of Attached Lines

File Name: 2-62-1-2-27.jpeg
Description: View of Component Area

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-HYV157A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S 21C SG FW Isolation Valve

Location: Bldg. MSCV Floor El. 773 Room Main Steam Room El 778

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

Valve mounted on a large diameter pipe. Valve yoke is very robust.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Valve found in good condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-HYV157A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S 21C SG FW Isolation Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

Piping judged to have adequate flexibility to accommodate seismic anchor movement.

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

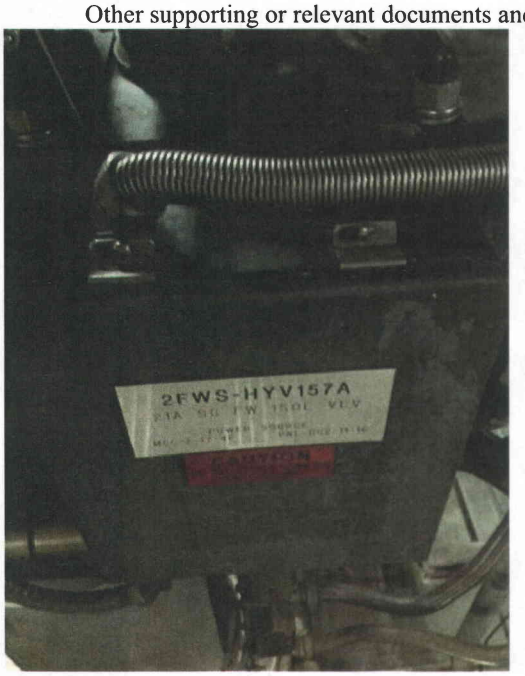
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-HYV157A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S 21C SG FW Isolation Valve

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



File Name: 2-61-2-2-16.jpeg
Description: Component Plate ID

File Name: 2-62-2-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-HYV157A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S 21C SG FW Isolation Valve

File Name: 2-63-2-2-16.jpeg
Description: View of Component and Main Line

File Name: 2-64-2-2-16.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-LT477F Equip. Class 18. Instrument on Rack

Equipment Description (2RCS*SG21A) Wide Range Level Transmitter

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-Annulus

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

Transmitter mounted on 1/4" thick plate with 4-3/8" diam machine bolts. Plate is fillet welded to steel column at both flanges.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-LT477F Equip. Class 18. Instrument on Rack

Equipment Description (2RCS*SG21A) Wide Range Level Transmitter

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

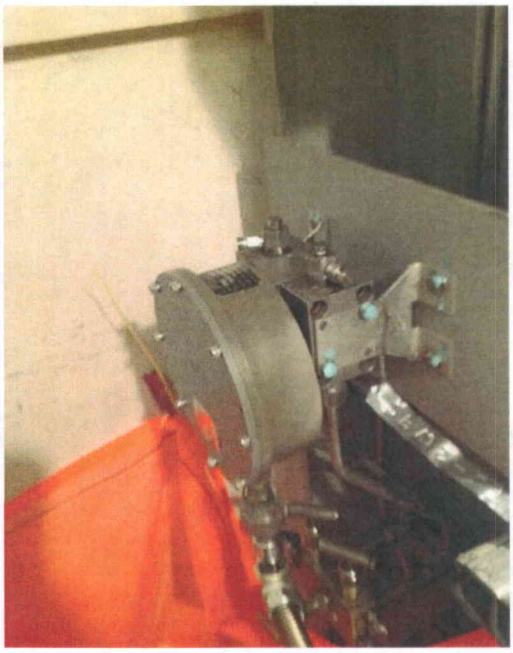
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-LT477F Equip. Class 18. Instrument on Rack

Equipment Description (2RCS*SG21A) Wide Range Level Transmitter

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

File Name: 2-61-1-2-19.jpeg
Description: Component Tag ID



File Name: 2-62-1-2-19.jpeg
Description: General View of Component

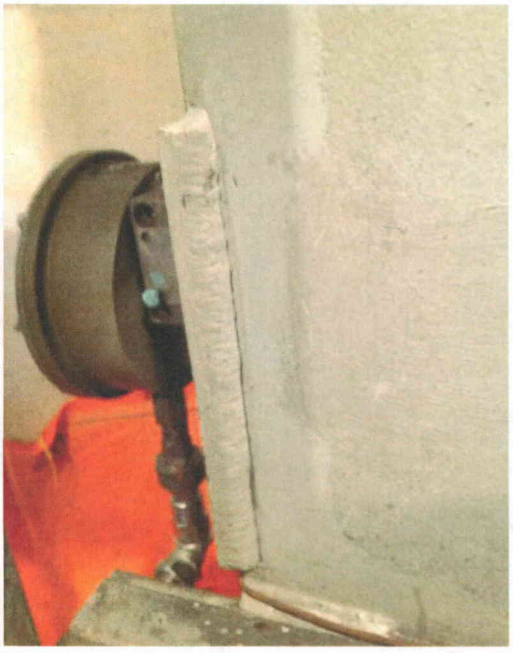
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-LT477F Equip. Class 18. Instrument on Rack

Equipment Description (2RCS*SG21A) Wide Range Level Transmitter

File Name: 2-63-1-2-19.jpeg
Description: View of Mounting Bolts



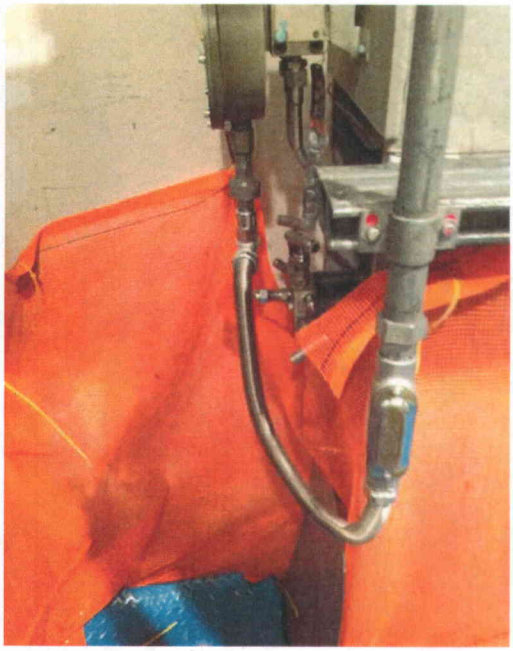
File Name: 2-64-1-2-19.jpeg
Description: View of Plate Weld

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2FWS-LT477F Equip. Class 18. Instrument on Rack

Equipment Description (2RCS*SG21A) Wide Range Level Transmitter



File Name: 2-73-1-2-19.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVC-ACU201A Equip. Class 10. Air Handlers

Equipment Description Control Room A/C Unit Condenser

Location: Bldg. CNTB Floor El. 735 Room CNTB 735-AC Room

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

Component is attached to platform steel beams with 14~1/2"diameter machine bolts on each side of the unit. Expansion joints are found in good condition.

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. 2HVC-ACU201A Equip. Class 10. Air Handlers

Equipment Description Control Room A/C Unit Condenser

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

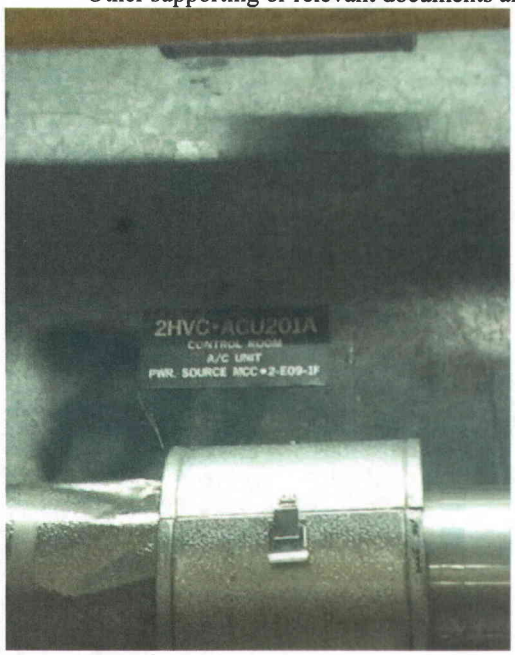
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVC-ACU201A Equip. Class 10. Air Handlers

Equipment Description Control Room A/C Unit Condenser

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



File Name: 2-73-2-2-07.jpeg
Description: Component Plate ID

File Name: 2-63-2-2-07.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVC-ACU201A Equip. Class 10. Air Handlers

Equipment Description Control Room A/C Unit Condenser

File Name: 2-62-2-2-07.jpeg
Description: Close Up View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP201A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Flow Balancing Damper

Location: Bldg. DGBX Floor El. 759 Room EDG 2-1 Upstairs

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

Damper is inline with ventilation duct and independently supported and braced from floor and wall by a HSS frame. Duct is rigidly supported.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP201A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Flow Balancing Damper

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *No interaction sources to the damper operator noted.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

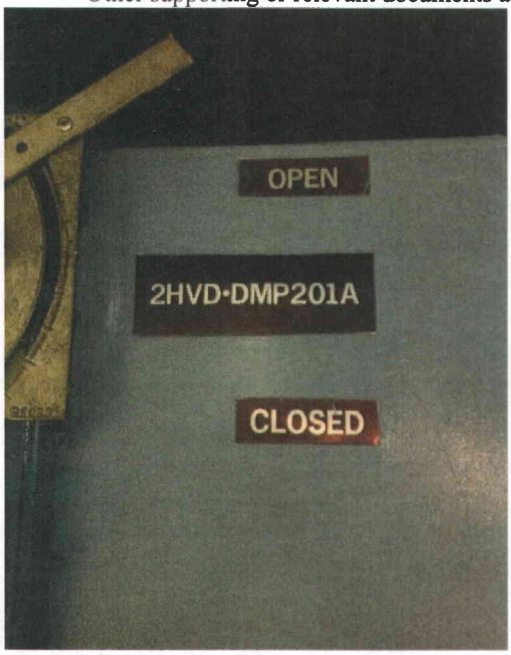
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP201A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Flow Balancing Damper

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



File Name: 2HVD-DMP201A(1).jpg
Description: Component Plate ID

File Name: 2HVD-DMP201A(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP201A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Flow Balancing Damper

File Name: 2HVD-DMP201A(3).jpg
Description: View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP22A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Discharge Damper

Location: Bldg. DGBX Floor El. 759 Room EDG 2-1 Upstairs

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

Damper is inline with ventilation duct and independently supported and braced from ceiling and wall by a HSS frame. Duct is rigidly supported.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP22A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Discharge Damper

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *No interaction sources to the damper operator noted.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP22A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Discharge Damper

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

File Name: 2HVD-DMP22A(1).jpg
Description: Component Plate ID

File Name: 2HVD-DMP22A(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-DMP22A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Discharge Damper

File Name: 2HVD-DMP22A(3).jpg
Description: View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-FN270A Equip. Class 9. Fans

Equipment Description Diesel Gen Bldg Supply Fan

Location: Bldg. DGBX Floor El. 759 Room EDG 2-1 Upstairs

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

Fan supported by 2 saddles. Each saddle anchored to concrete floor by 4-5/8" diameter anchor bolts. Fan is attached to each saddle by 5 ~1/2"diameter machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Calculation NM(B)-521-CZC confirms anchorage configuration as two saddles, each anchored by 4-5/8" diameter anchors.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-FN270A Equip. Class 9. Fans

Equipment Description Diesel Gen Bldg Supply Fan

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Expansion joints on either side of the fan are in good condition with adequate slack.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

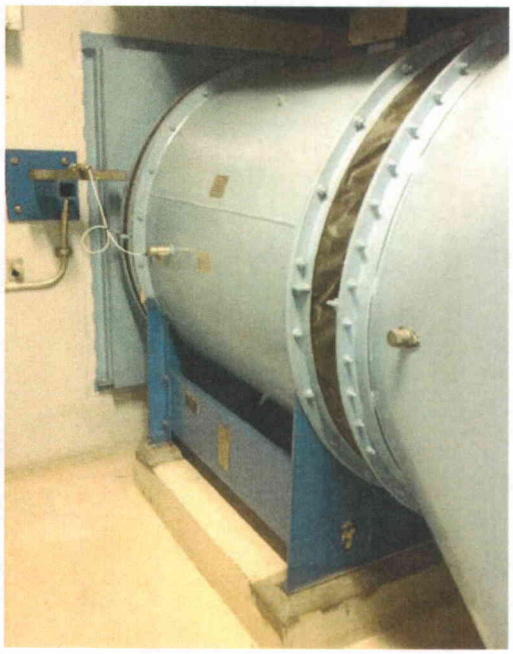
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-FN270A Equip. Class 9. Fans

Equipment Description Diesel Gen Bldg Supply Fan

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

File Name: 2HVD-FN270A(1).jpg
Description: Component Plate ID



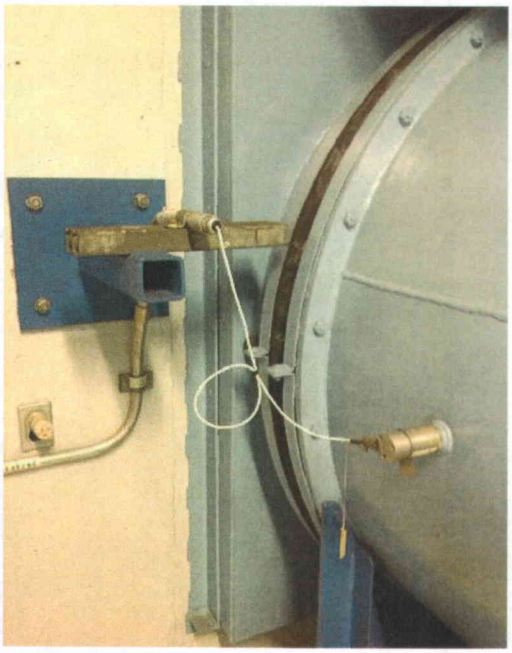
File Name: 2HVD-FN270A(2).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-FN270A Equip. Class 9. Fans

Equipment Description Diesel Gen Bldg Supply Fan



File Name: 2HVD-FN270A(3).jpg
Description: View of Attached Lines (?)

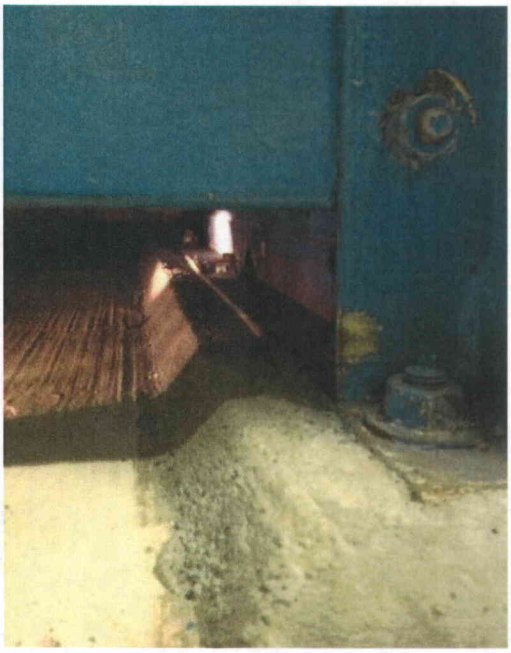
File Name: 2HVD-FN270A(4).jpg
Description: View of Support Saddle

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVD-FN270A Equip. Class 9. Fans

Equipment Description Diesel Gen Bldg Supply Fan



File Name: 2HVD-FN270A(5).jpg
Description: View of Anchor Bolts

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVP-CLC265A Equip. Class 10. Air Handlers

Equipment Description MCC-2-E03 Cubicle Cooling Coils

Location: Bldg. AXLB Floor El. 755 Room AXLB 755-MCC Room

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)?

Cooling coil supported from ceiling and wall. Component is adequately attached to framing that is braced to ceiling with HSS 2x2 members. Framing is welded to ceiling embed and steel plate on wall. Wall plate is anchored with 6~5/8" diameter anchor bolts.

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
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. 2HVP-CLC265A Equip. Class 10. Air Handlers

Equipment Description MCC-2-E03 Cubicle Cooling Coils

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

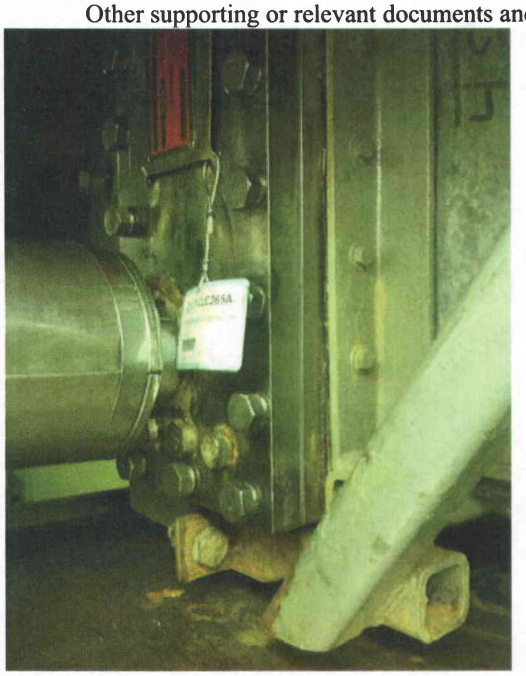
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

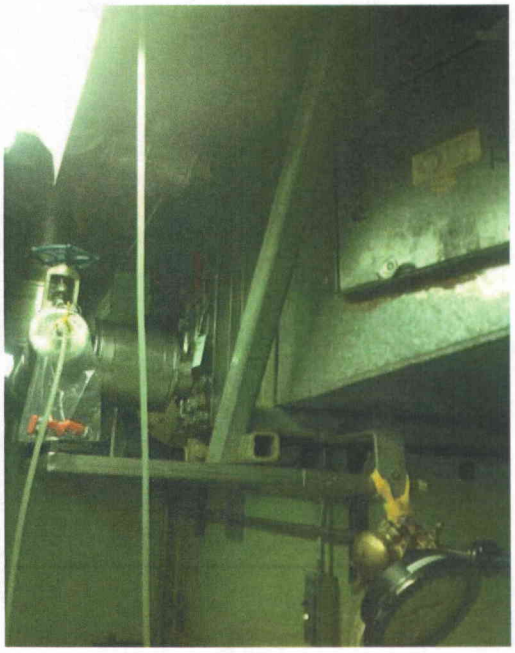
Equipment ID No. 2HVP-CLC265A Equip. Class 10. Air Handlers

Equipment Description MCC-2-E03 Cubicle Cooling Coils

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



File Name: 2-61-2-2-04.jpeg
Description: Component Tag ID



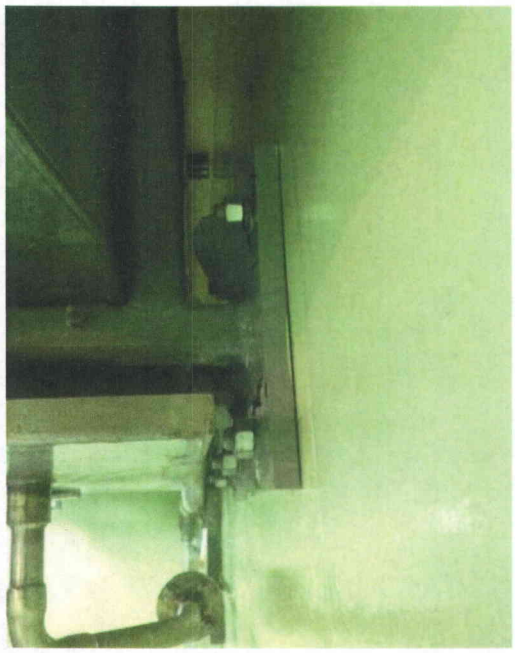
File Name: 2-62-2-2-04.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVP-CLC265A Equip. Class 10. Air Handlers

Equipment Description MCC-2-E03 Cubicle Cooling Coils



File Name: 2-64-2-2-04.jpeg
Description: View of Anchorage to Wall

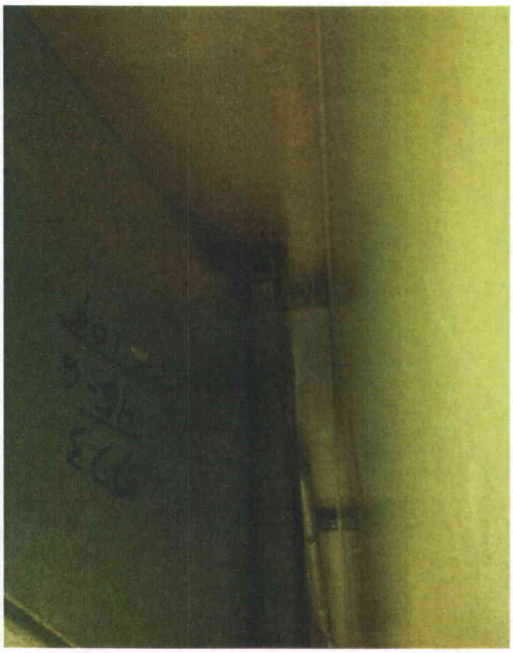
File Name: 2-73-2-2-04.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVP-CLC265A Equip. Class 10. Air Handlers

Equipment Description MCC-2-E03 Cubicle Cooling Coils



File Name: 2-94-2-2-04.jpeg
Description: View of Anchorage to Ceiling

File Name: 2-95-2-2-04.jpeg
Description: View of Anchorage to Ceiling

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-ACU207A Equip. Class 10. Air Handlers

Equipment Description Safeguards Area A/C Unit Condenser

Location: Bldg. SFGB Floor El. 741 Room SFGD 741-PLAT

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 condenser with low height:width ratio mounted on a steel platform. Base is continuously welded at front and back to supporting steel. Platform is suported from surrounding walls.

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
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. 2HVR-ACU207A Equip. Class 10. Air Handlers

Equipment Description Safeguards Area A/C Unit Condenser

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached piping is well supported.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

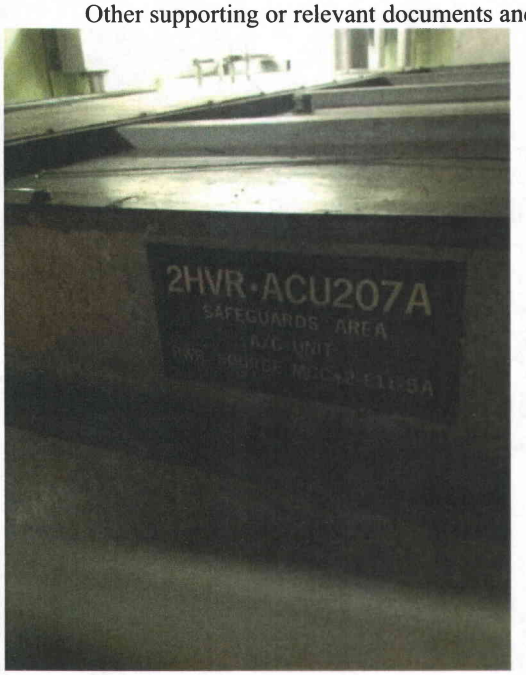
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-ACU207A Equip. Class 10. Air Handlers

Equipment Description Safeguards Area A/C Unit Condenser

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



File Name: 2-61-2-2-25.jpeg
Description: Component Plate ID

File Name: 2-62-2-2-25.jpeg
Description: General View of Component

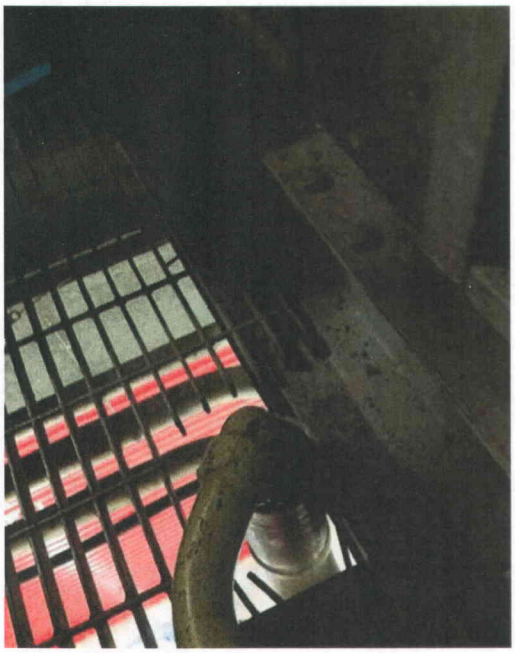
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-ACU207A Equip. Class 10. Air Handlers

Equipment Description Safeguards Area A/C Unit Condenser

File Name: 2-63-2-2-25.jpeg
Description: View of Attached Piping



File Name: 2-64-2-2-25.jpeg
Description: View of Anchor Weld

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228 Equip. Class 19. Temperature Sensors

Equipment Description Control Room Alarm And Temperature Ind

Location: Bldg. CNTB Floor El. 735 Room Control Room

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

Mounted to the face of cabinet PNL-2BLG-SER with 2 ~1/8" machine bolts. See SWC for PNL-2BLG-SER (Sheet 449 of 513) for cabinet anchorage configuration.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228 Equip. Class 19. Temperature Sensors

Equipment Description Control Room Alarm And Temperature Ind

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

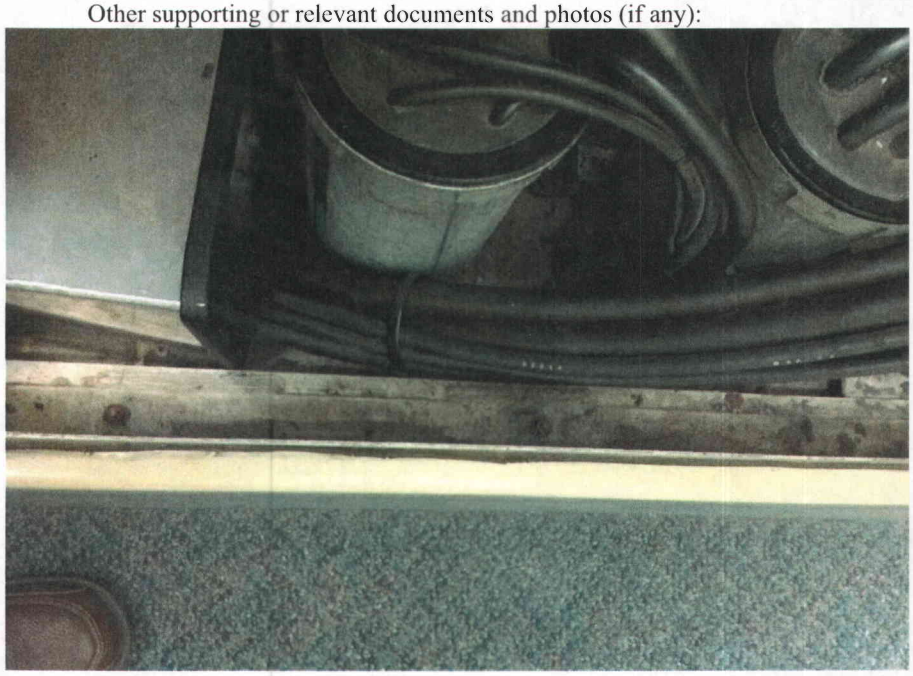
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228 Equip. Class 19. Temperature Sensors

Equipment Description Control Room Alarm And Temperature Ind

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



File Name: 2HVR-TI228(1).jpg
Description: View of Cabinet Anchorage

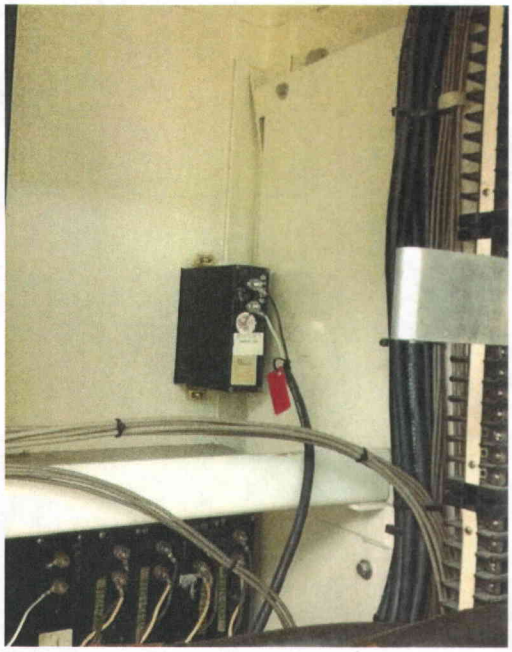
File Name: 2HVR-TI228(2).jpg
Description: View of Component and Plate ID

Status: Ⓨ N U

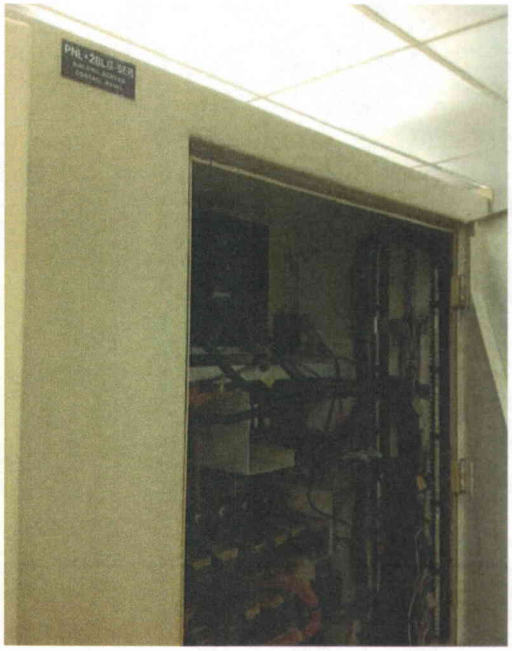
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228 Equip. Class 19. Temperature Sensors

Equipment Description Control Room Alarm And Temperature Ind



File Name: 2HVR-TI228(3).jpg
Description: View of Component Anchorage



File Name: 2HVR-TI228(4).jpg
Description: General View of Inside Cabinet

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228-1 Equip. Class 19. Temperature Sensors

Equipment Description Cable Vault And Rod Control Room Temp

Location: Bldg. CNTB Floor El. 735 Room Control Room

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

Mounted to the face of cabinet PNL-2BLG-SER with 2 ~1/8" machine bolts. See SWC for PNL-2BLG-SER (Sheet 449 of 513) for cabinet anchorage configuration.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228-1 Equip. Class 19. Temperature Sensors

Equipment Description Cable Vault And Rod Control Room Temp

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines have adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

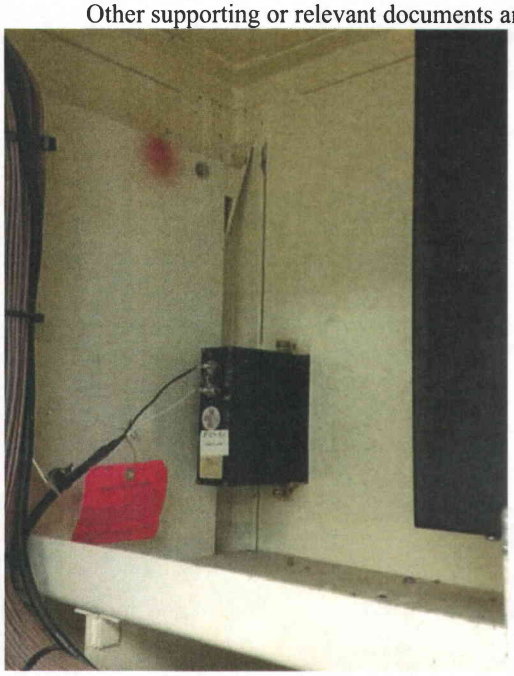
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

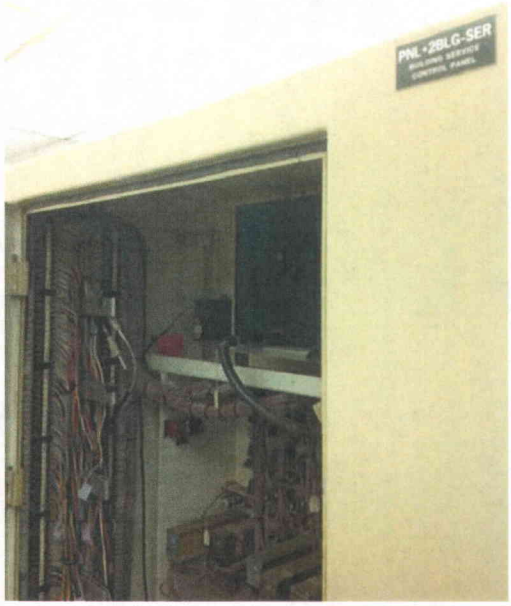
Equipment ID No. 2HVR-TI228-1 Equip. Class 19. Temperature Sensors

Equipment Description Cable Vault And Rod Control Room Temp

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



File Name: 2HVR-TI228-1(1).jpg
Description: View of Component Anchorage



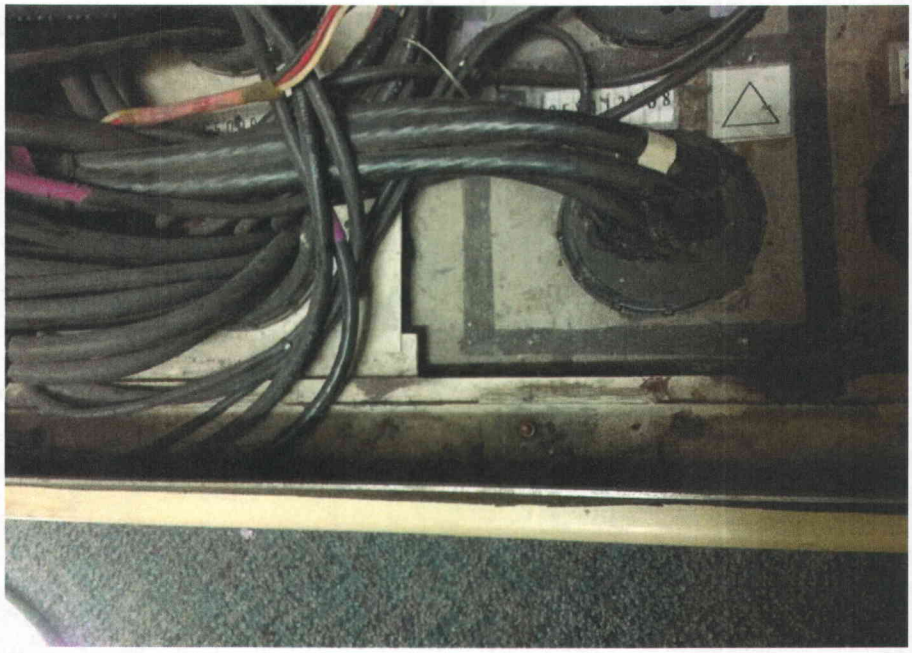
File Name: 2HVR-TI228-1(2).jpg
Description: General View of Inside Cabinet

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVR-TI228-1 Equip. Class 19. Temperature Sensors

Equipment Description Cable Vault And Rod Control Room Temp



File Name: 2HVR-TI228-1(3).jpg
Description: View of Cabinet Anchorage

File Name: 2HVR-TI228-1(4).jpg
Description: View of Component and Plate ID

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-FN257A Equip. Class 9. Fans

Equipment Description Intake Structure Cub 4 Supply Fan

Location: Bldg. INTS Floor El. 705 Room Intake Cubicle C

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

Fan mounted on HSS steel frame with 6-1/2" diameter machine bolts. Frame is welded to wall-mounted steel plate, and plate is anchored to wall with 4~3/4" diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-FN257A Equip. Class 9. Fans

Equipment Description Intake Structure Cub 4 Supply Fan

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Fan is rigidly attached to duct and duct is rigidly supported from wall.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

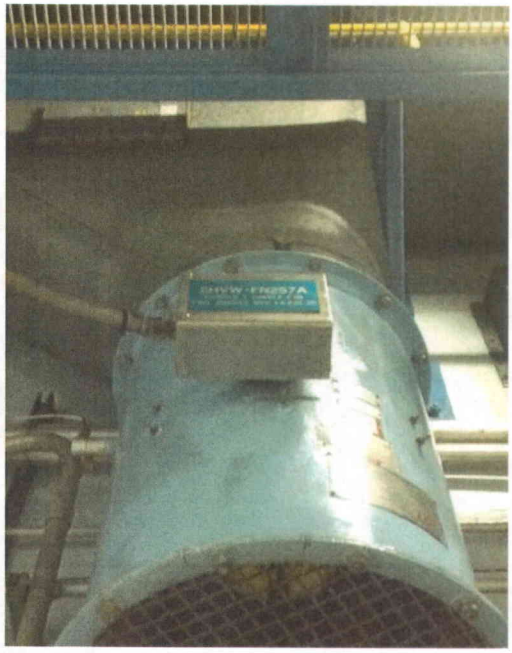
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-FN257A Equip. Class 9. Fans

Equipment Description Intake Structure Cub 4 Supply Fan

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

File Name: 2HVW-FN257A(1).jpg
Description: View of Anchorage



File Name: 2HVW-FN257A(2).jpg
Description: Component Plate ID

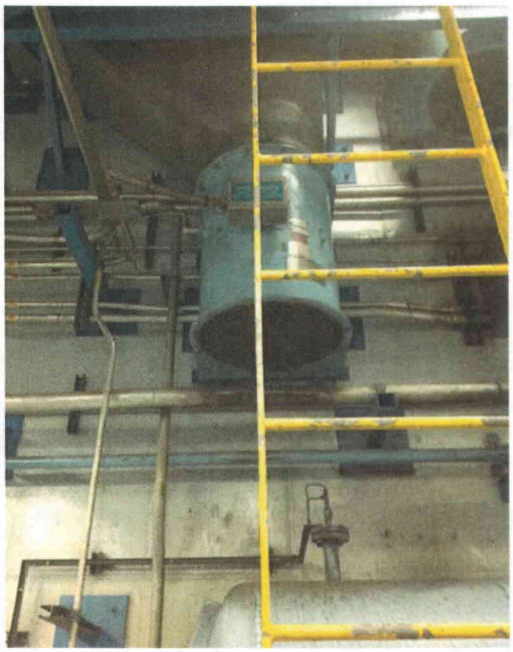
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-FN257A Equip. Class 9. Fans

Equipment Description Intake Structure Cub 4 Supply Fan

File Name: 2HVW-FN257A(3).jpg
Description: General View of Component



File Name: 2HVW-FN257A(4).jpg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-MOD21A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Outside Air Damper To (2HVW-FN257A)

Location: Bldg. INTS Floor El. 705 Room Intake Cubicle D

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

Large damper well-braced back to wall. Damper operator is mounted horizontally to side of damper with a welded bracket. Operator is attached to bracket with 4~5/8"diameter machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-MOD21A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Outside Air Damper To (2HVW-FN257A)

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *No potential interaction to the damper or its linkage to the operator.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

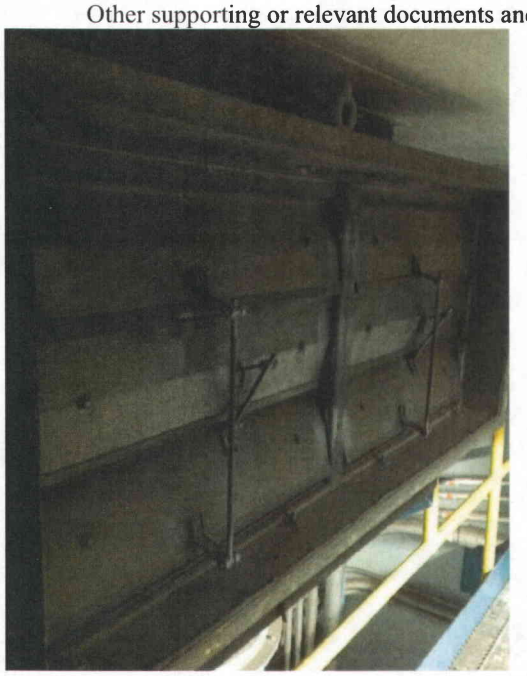
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

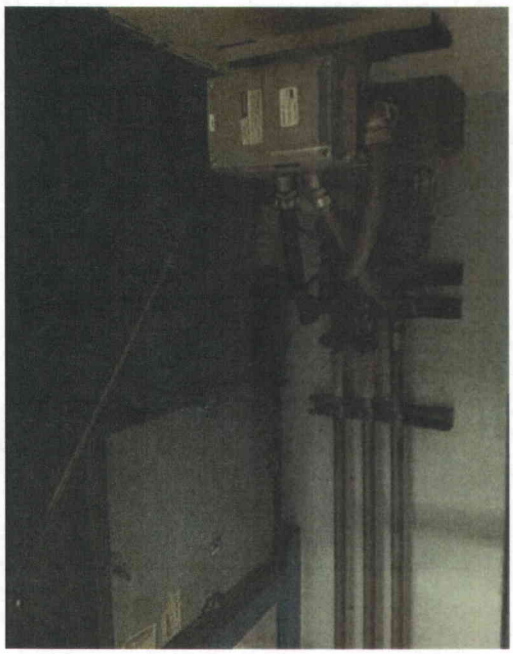
Equipment ID No. 2HVW-MOD21A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Outside Air Damper To (2HVW-FN257A)

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



File Name: 2HVW-MOD21A(1).jpg
Description: General View of Component



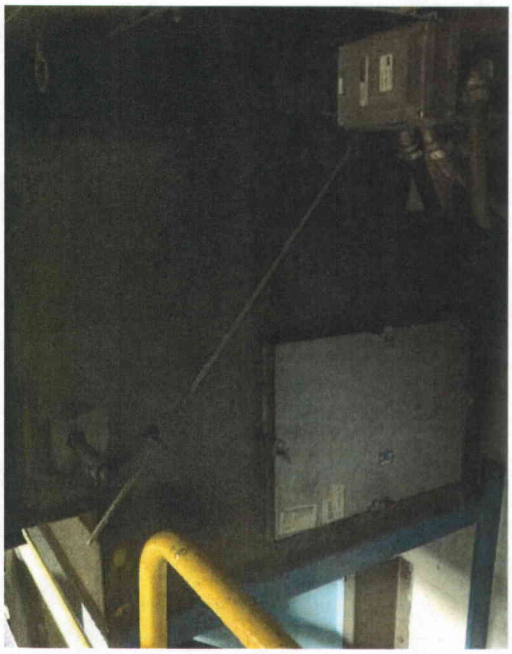
File Name: 2HVW-MOD21A(2).jpg
Description: View of Motor Operator

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVW-MOD21A Equip. Class 7. Pneumatic Operated Valve Damper

Equipment Description Outside Air Damper To (2HVW-FN257A)



File Name: 2HVW-MOD21A(3).jpg
Description: View of Motor Operator

File Name: 2HVW-MOD21A(4).jpg
Description: Component Tag ID

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-DMP215A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Discharge Damper

Location: Bldg. MSCV Floor El. 773 Room SWGR Vent Room 773

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

In-line damper that is supported from ceiling by HSS anchored by 4~58"diameter anchor bolts and to wall by braced HSS welded to embed. Duct is well supported and braced.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-DMP215A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Discharge Damper

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-DMP215A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Discharge Damper

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

File Name: 2-61-5-2-16.jpeg
Description: General View of Component

File Name: 2-62-5-2-16.jpeg
Description: View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261A Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

Location: Bldg. MSCV Floor El. 773 Room SWGR Vent Room 773

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

Ceiling mounted fan on 2 saddles. Each saddle anchored with 3-1/2" diameter anchor bolts. Fan is attached to each saddle with 10~1/2" diameter machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Calculation NM(B)-521-CZC confirms anchorage configuration as two saddles with 3-1/2" diameter anchor bolts for each saddle.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261A Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Expansion joints on either side of the fan are found in good condition and with adequate flexibility.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261A Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

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

File Name: 2-61-9-2-16.jpeg
Description: Component Plate ID

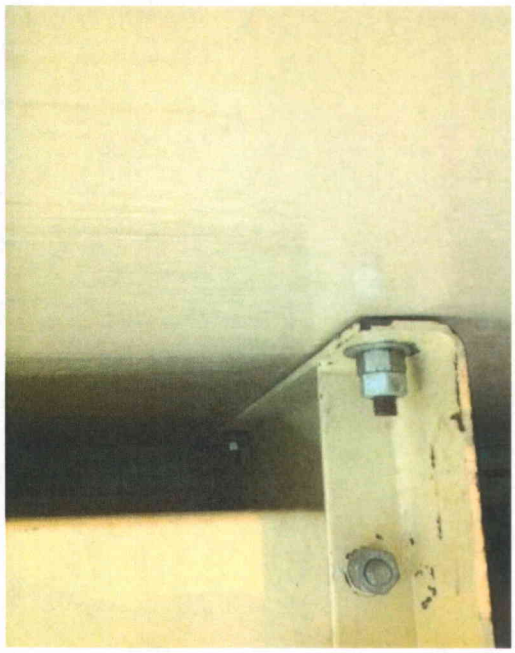
File Name: 2-62-9-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261A Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan



File Name: 2-63-9-2-16.jpeg
Description: View of Fan Support Bolts

File Name: 2-64-9-2-16.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261B Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

Location: Bldg. MSCV Floor El. 773 Room SWGR Vent Room 773

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

Floor mounted fan on 2 saddles. Each saddle anchored with 3-1/2" diameter anchor bolts. Fan is attached to each saddle with 10~1/2" diameter machine bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Calculation NM(B)-521-CZC confirms anchorage configuration as two saddles with 3-1/2" diameter anchor bolts for each saddle.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261B Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

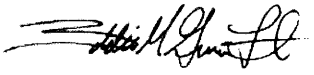
	Y	N	U
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	X		

Expansion joints on either side of the fan are found in good condition and with adequate flexibility.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)



Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

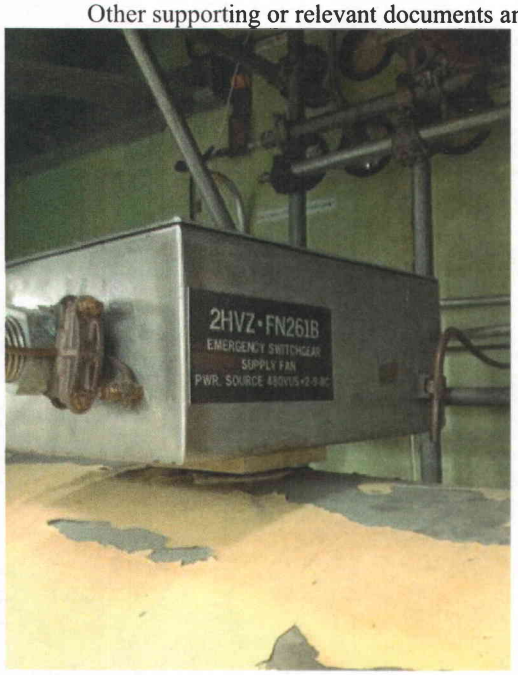
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261B Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

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



File Name: 2-61-10-2-16.jpeg
Description: Component Plate ID

File Name: 2-62-10-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261B Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

File Name: 2-63-10-2-16.jpeg
Description: View of Fan Support Bolts

File Name: 2-64-10-2-16.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2HVZ-FN261B Equip. Class 9. Fans

Equipment Description Emerg SWGR Supply Fan

File Name: 2-73-10-2-16.jpeg
Description: View of Fan Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-AOV101A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S Main Steam Isolation

Location: Bldg. MSCV Floor El. 773 Room Main Steam Room El 789

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

Very large AOV on large diameter pipe. Pipe is well supported near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Valve found in good condition

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-AOV101A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S Main Steam Isolation

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-AOV101A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S Main Steam Isolation

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

File Name: 2-61-8-2-16.jpeg
Description: Component Tag ID

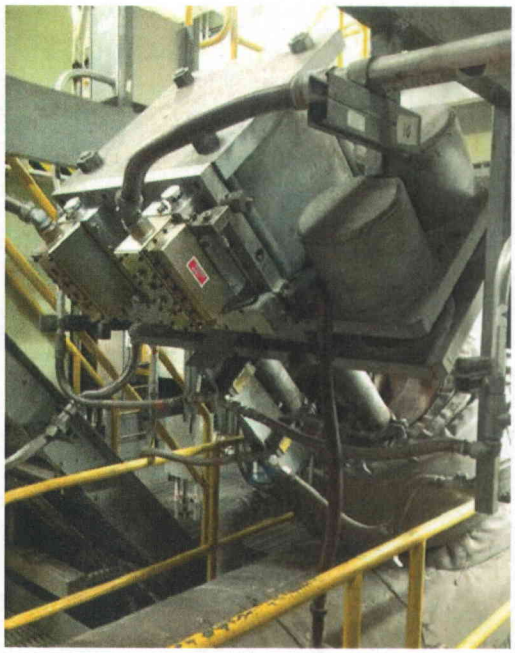
File Name: 2-62-8-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-AOV101A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description BB C/S Main Steam Isolation



File Name: 2-63-8-2-16.jpeg
Description: General View of Component and Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SOV105A Equip. Class 8B. Solenoid Valve

Equipment Description BB Section C C/S 1A-MSSAT

Location: Bldg. MSCV Floor El. 773 Room Main Steam Room El 789

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *~2 ft tall solenoid valve mounted on ~4" diameter main line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SOV105A Equip. Class 8B. Solenoid Valve

Equipment Description BB Section C C/S 1A-MSSAT

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Temporary scaffolding in area is adequately secured.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

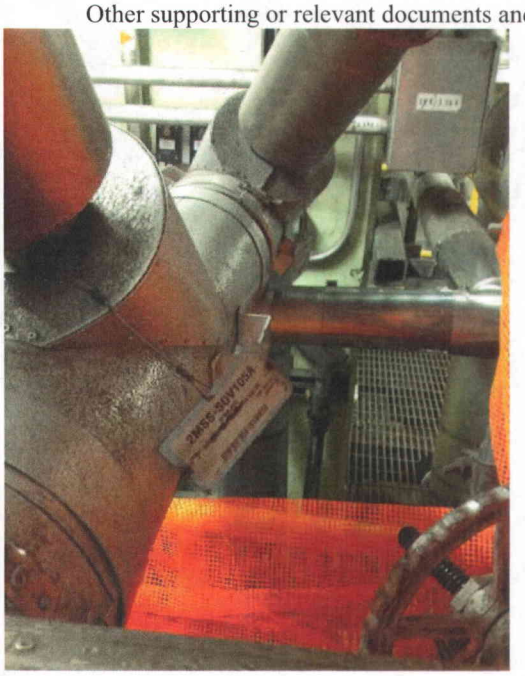
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

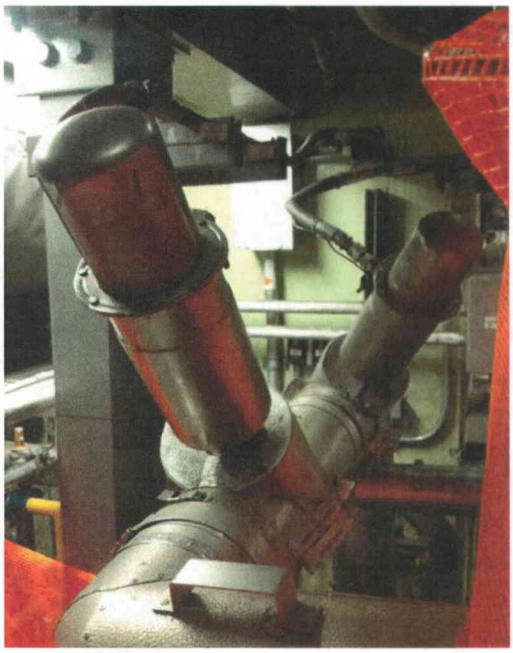
Equipment ID No. 2MSS-SOV105A Equip. Class 8B. Solenoid Valve

Equipment Description BB Section C C/S 1A-MSSAT

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



File Name: 2-61-7-2-16.jpeg
Description: Component Tag ID



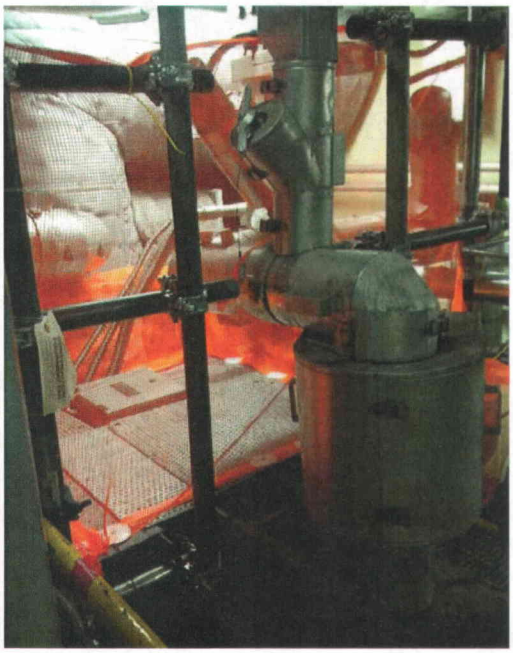
File Name: 2-62-7-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SOV105A Equip. Class 8B. Solenoid Valve

Equipment Description BB Section C C/S 1A-MSSAT



File Name: 2-63-7-2-16.jpeg
Description: Scaffold tag log no 16-672

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SV101A Equip. Class 0. Other

Equipment Description (2RCS-SG21A) MN STM Safety Valve

Location: Bldg. MSCV Floor El. 773 Room Main Steam Room Upper Plat.

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

No signs of degradation.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SV101A Equip. Class 0. Other

Equipment Description (2RCS-SG21A) MN STM Safety Valve

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

A deficiency tag was observed on component regarding corrosion of attached drain tube. Judged that the deficiency identified will not affect the component's intended design function.

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SV101A Equip. Class 0. Other

Equipment Description (2RCS-SG21A) MN STM Safety Valve

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

File Name: 2-61-6-2-16.jpeg
Description: Component Tag ID

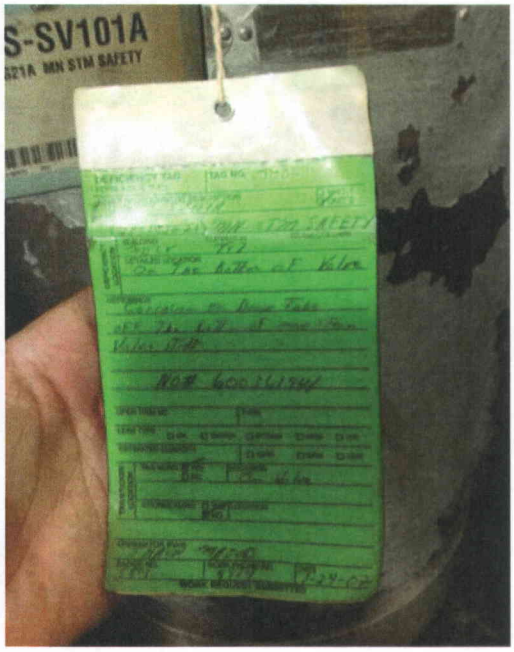
File Name: 2-62-6-2-16.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2MSS-SV101A Equip. Class 0. Other

Equipment Description (2RCS-SG21A) MN STM Safety Valve



File Name: 2-63-6-2-16.jpeg
Description: Deficiency Tag on Component

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-297 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RWST Suction Isol To Low HD

Location: Bldg. YARD Floor El. 730 Room Yard

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

Manual valve at base of refueling water storge tank. Main line is insulated.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?		X		

Corrosion identified at base where valve connects to pipe. CR-2012-14749 generated to document this condition..

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-297 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RWST Suction Isol To Low HD

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Scaffolding in area is well braced.

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-297 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RWST Suction Isol To Low HD

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

File Name: 2-61-9-2-29.jpeg
Description: Component Tag ID

File Name: 2-62-9-2-29.jpeg
Description: General View of Component

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-297 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RWST Suction Isol To Low HD

File Name: 2-63-9-2-29.jpeg
Description: Corrosion at Valve Base

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-LT 104A Equip. Class 18. Instrument on Rack

Equipment Description Refueling Water Storage Tank Level

Location: Bldg. YARD Floor El. 730 Room Yard

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

Component mounted to a steel base plate, which is anchored by 4-3/8" diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?		X		

Corrosion is identified in anchor bolts. CR-2012-14744 generated to document this condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing 12241-BK-16G-45-3 confirms 4-3/8" diameter anchor bolts

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

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-LT 104A Equip. Class 18. Instrument on Rack

Equipment Description Refueling Water Storage Tank Level

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attatched lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Y Ⓝ U

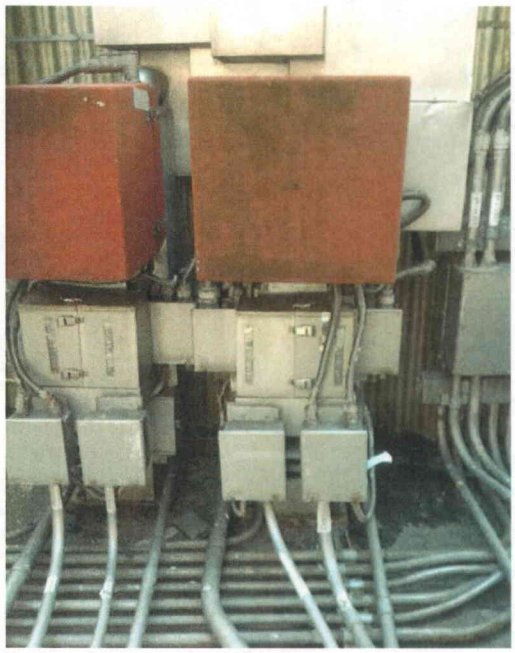
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-LT 104A Equip. Class 18. Instrument on Rack

Equipment Description Refueling Water Storage Tank Level

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

File Name: 2-61-10-2-29.jpeg
Description: Component Tag ID



File Name: 2-62-10-2-29.jpeg
Description: General View of Component

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-LT 104A Equip. Class 18. Instrument on Rack

Equipment Description Refueling Water Storage Tank Level

File Name: 2-63-10-2-29.jpeg
Description: View of Component Anchorage

File Name: 2-64-10-2-29.jpeg
Description: View of Component Area

Status: Y Ⓝ U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-LT 104A Equip. Class 18. Instrument on Rack

Equipment Description Refueling Water Storage Tank Level

File Name: 2-73-10-2-29.jpeg
Description: Corrosion Observed on Anchorage

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV100A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Suction - BB C/S

Location: Bldg. SFGB Floor El. 718 Room SFGD 718 UP

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

MOV on ~12" diameter line. Piping is well supported near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV100A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Suction - BB C/S

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Valve bonnet insulation observed to be in contact with platform grating. This is judged acceptable as excessive seismic displacement of the valve is not expected during a seismic event, so interaction would not be significant.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

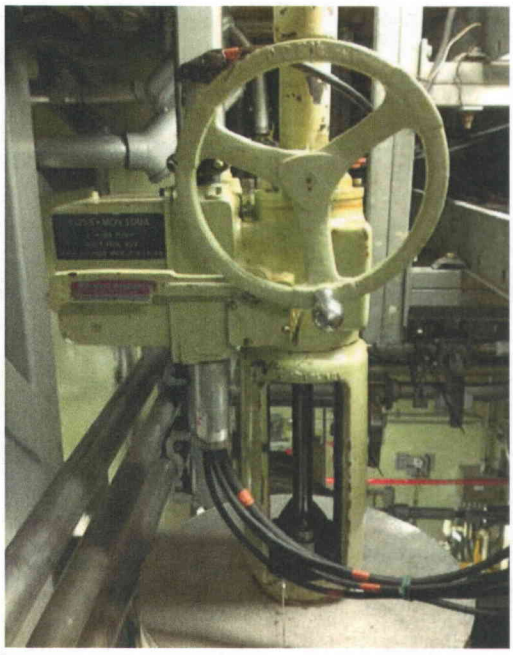
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV100A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Suction - BB C/S

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

File Name: 2-61-2-2-23.jpeg
Description: Component Plate ID



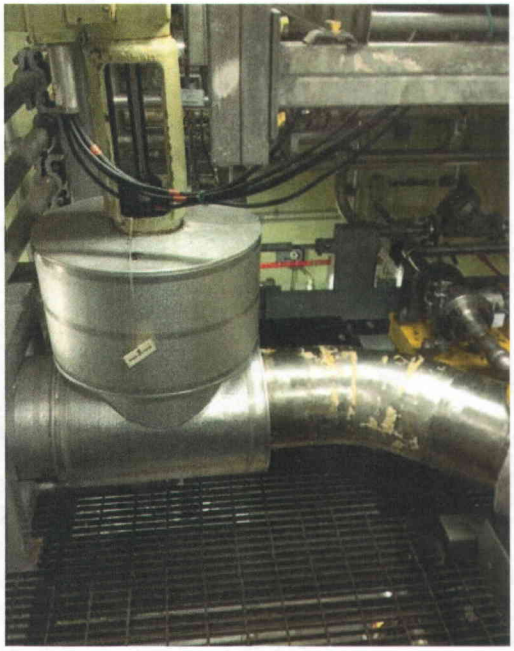
File Name: 2-62-2-2-23.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV100A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Suction - BB C/S



File Name: 2-63-2-2-23.jpeg
Description: General View of Main Line and Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV101A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Discharge BB C/S

Location: Bldg. SFGB Floor El. 718 Room RSS Cubicle

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

MOV mounted on ~10" diameter line. Piping is well supported near valve.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X

Valve found in good condition.

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV101A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Discharge BB C/S

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2QSS-MOV101A Equip. Class 8A. Motor Operated Valve

Equipment Description P21A Discharge BB C/S

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

File Name: 2-61-1-2-23.jpeg
Description: Component Plate ID

File Name: 2-62-1-2-23.jpeg
Description: General View of Component

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-AOV101 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 49

Location: Bldg. MSCV Floor El. 718 Room MSCV 718

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

Small AOV on ~1" dia line. Main line is well supported within ~10"of valve on each side.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-AOV101 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 49

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

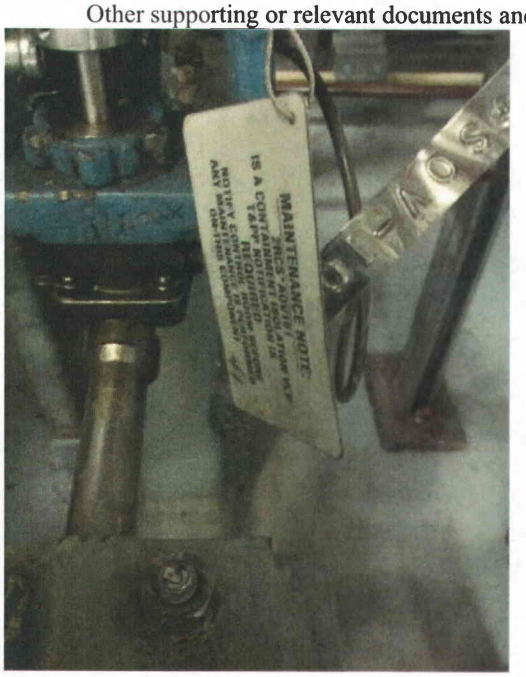
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-AOV101 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 49

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



File Name: 2-62-3-2-11.jpeg
Description: Component Tag ID

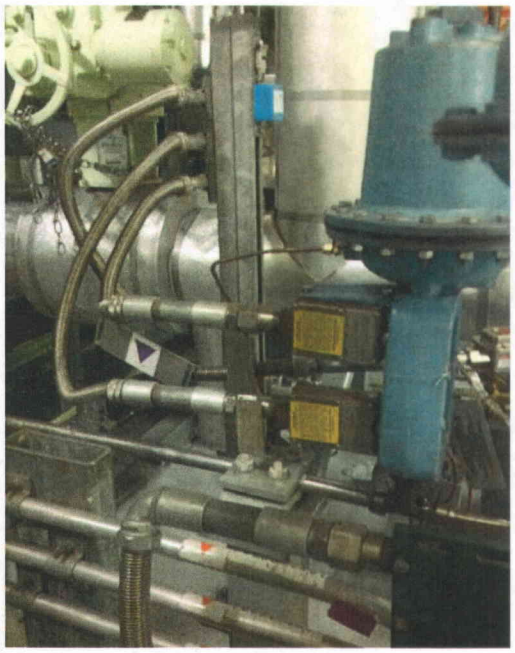
File Name: 2-64-3-2-11.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-AOV101 Equip. Class 7. Pneumatic-Operated Valves

Equipment Description CNMT Isolation CIA Penetr 49



File Name: 2-61-3-2-11.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-PT440 Equip. Class 18. Instrument on Rack

Equipment Description Reactor Vessel LVL INST SYS Pressure TRA

Location: Bldg. MSCV Floor El. 740 Room MSCV East 735

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

Component mounted to stiffened angle with 4~1/4"machine bolts. Angle is welded to a wall plate, which is anchored to the wall with 6~3/8"diameter anchor bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-PT440 Equip. Class 18. Instrument on Rack

Equipment Description Reactor Vessel LVL INST SYS Pressure TRA

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines found with adequate flexibility.*	X			

	Y	N	U
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? *Four other transmitters are anchored to the same wall plate. Wall plate is judged acceptable because all transmitters are lightweight (<25 lbs)*	X		

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

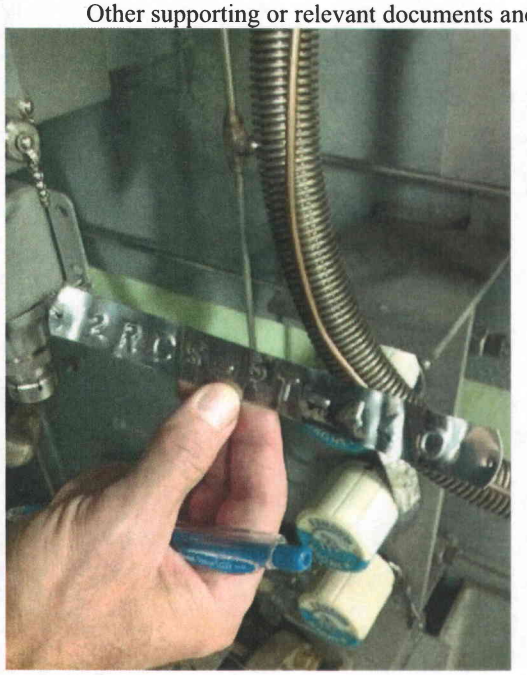
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-PT440 Equip. Class 18. Instrument on Rack

Equipment Description Reactor Vessel LVL INST SYS Pressure TRA

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



File Name: 2-61-1-2-14.jpeg
Description: Component Tag ID

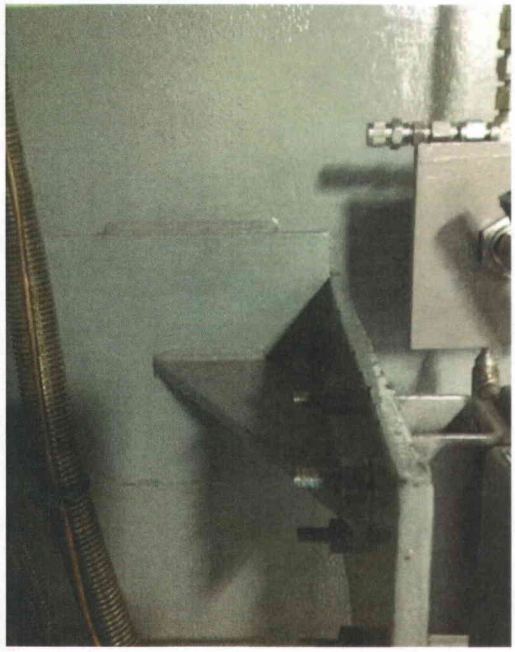
File Name: 2-62-1-2-14.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-PT440 Equip. Class 18. Instrument on Rack

Equipment Description Reactor Vessel LVL INST SYS Pressure TRA



File Name: 2-63-1-2-14.jpeg
Description: View of Component Anchorage

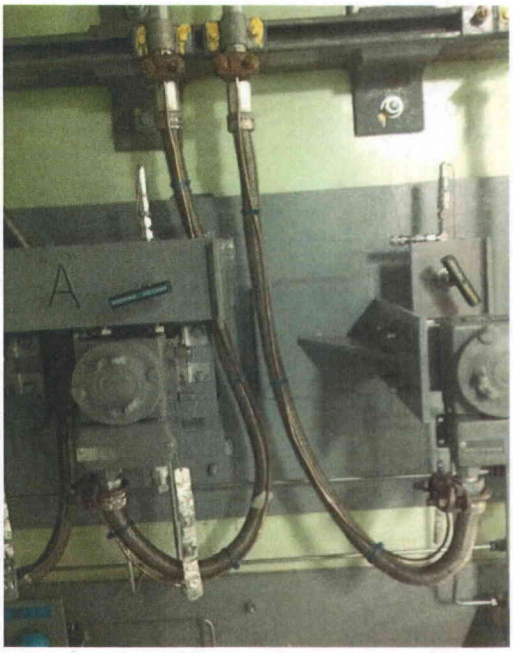
File Name: 2-64-1-2-14.jpeg
Description: View of Wall Plate Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RCS-PT440 Equip. Class 18. Instrument on Rack

Equipment Description Reactor Vessel LVL INST SYS Pressure TRA



File Name: 2-73-1-2-14.jpeg
Description: View of Attached Lines

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-E21B Equip. Class 21. Tanks & Heat Exchangers

Equipment Description Res Heat Removal Heat Exchanger

Location: Bldg. RCBX Floor El. 707 Room RCBX 707

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

Component anchored by 8-1 1/8" diam bolts connected to 1" thick plates.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	X			

Drawing No. 10080-ISI-E-2P confirms anchorage as 8-1 1/8" diameter anchor bolts.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-E21B Equip. Class 21. Tanks & Heat Exchangers

Equipment Description Res Heat Removal Heat Exchanger

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

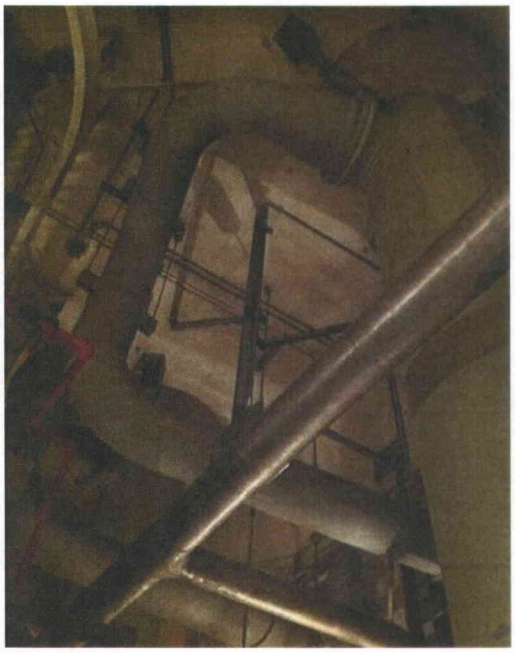
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-E21B Equip. Class 21. Tanks & Heat Exchangers

Equipment Description Res Heat Removal Heat Exchanger

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

File Name: 2-63-3-2-18.jpeg
Description: General View of Component



File Name: 2-64-3-2-18.jpeg
Description: View of Attached Piping

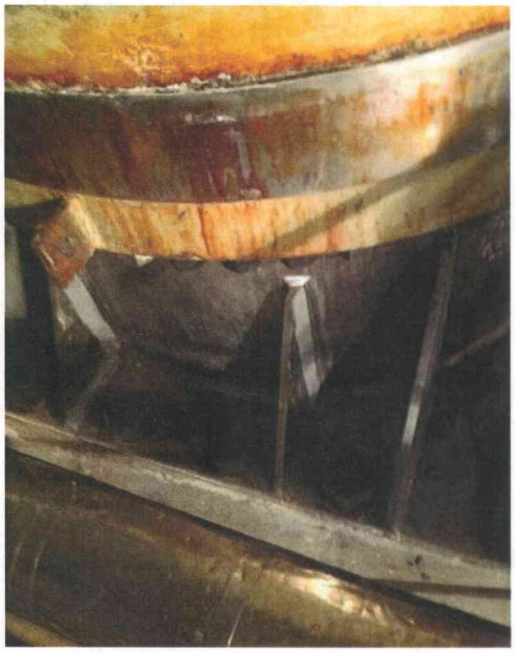
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-E21B Equip. Class 21. Tanks & Heat Exchangers

Equipment Description Res Heat Removal Heat Exchanger

File Name: 2-61-3-2-18.jpeg
Description: General View of Anchorage



File Name: 2-62-3-2-18.jpeg
Description: Close Up View of Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-HCV758A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RHS Train A HX Outlet Flow

Location: Bldg. RCBX Floor El. 692 Room RCBX 707

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	U	N/A
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 ~18" insulated line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation? *Valve found in good condition.*				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-HCV758A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RHS Train A HX Outlet Flow

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

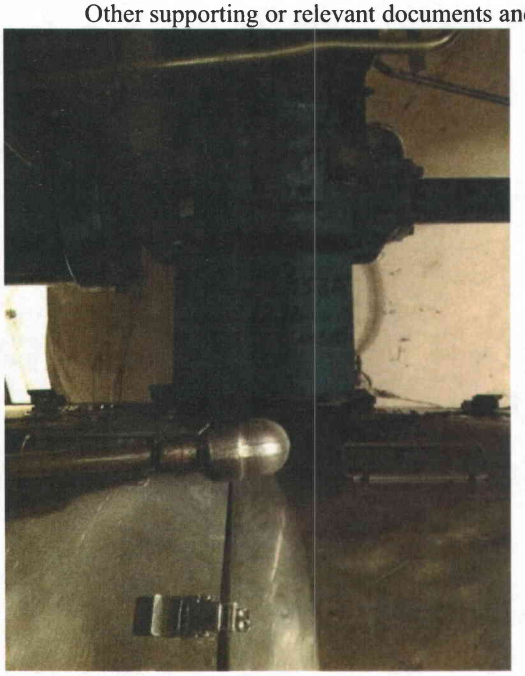
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-HCV758A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RHS Train A HX Outlet Flow

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



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

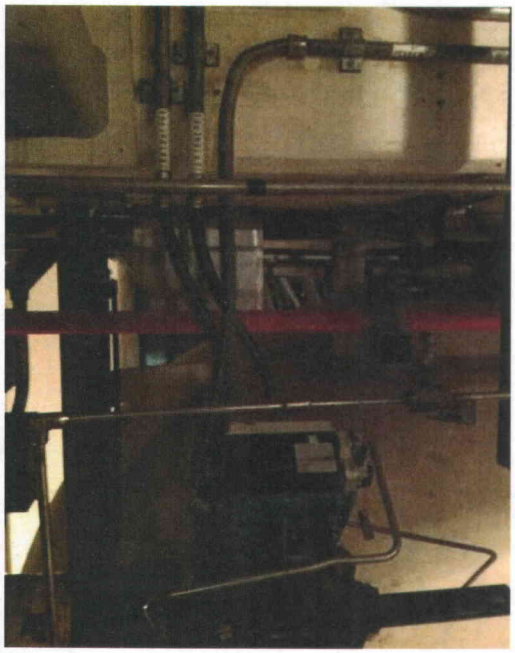
File Name: 2-62-2-2-17.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-HCV758A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description RHS Train A HX Outlet Flow



File Name: 2-64-2-2-17.jpeg
Description: View of Attached Lines

File Name: 2-73-2-2-17.jpeg
Description: View of Main Line Support

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV702A Equip. Class 8a. Motor Operated Valve

Equipment Description RC To RHR ISO

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-A RCP Pump

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Tall MOV (~5') mounted on ~24" insulated line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV702A Equip. Class 8a. Motor Operated Valve

Equipment Description RC To RHR ISO

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

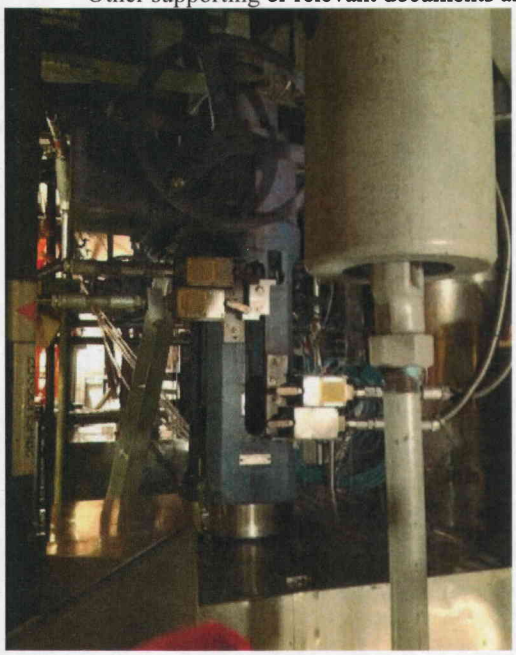
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV702A Equip. Class 8a. Motor Operated Valve

Equipment Description RC To RHR ISO

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



File Name: 2-64-2-2-19.jpeg
Description: General View of Component and Attached Lines

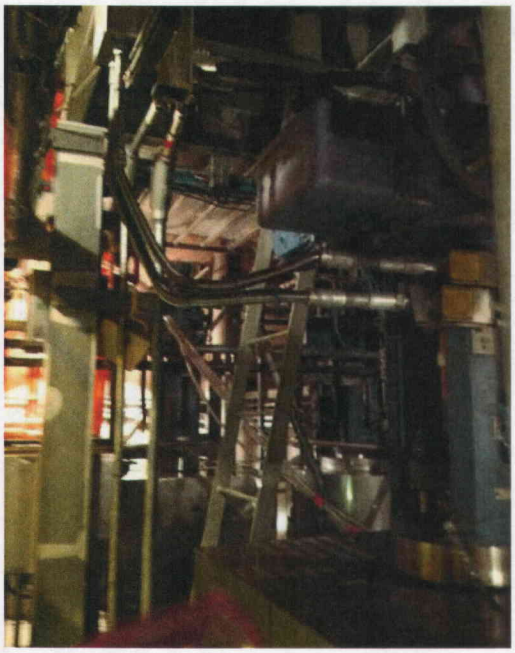
File Name: 2-62-2-2-19.jpeg
Description: View of Insulated Main Line

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV702A Equip. Class 8a. Motor Operated Valve

Equipment Description RC To RHR ISO



File Name: 2-63-2-2-19.jpeg
Description: View of Attached Lines

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV720A Equip. Class 8a. Motor Operated Valve

Equipment Description RHR To RCS Loop 22 C.L. ISO

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-B RCP Pump

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? *Tall MOV (~4') mounted on ~24" insulated line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation? *Valve found in good condition.*				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-MOV720A Equip. Class 8a. Motor Operated Valve

Equipment Description RHR To RCS Loop 22 C.L. ISO

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

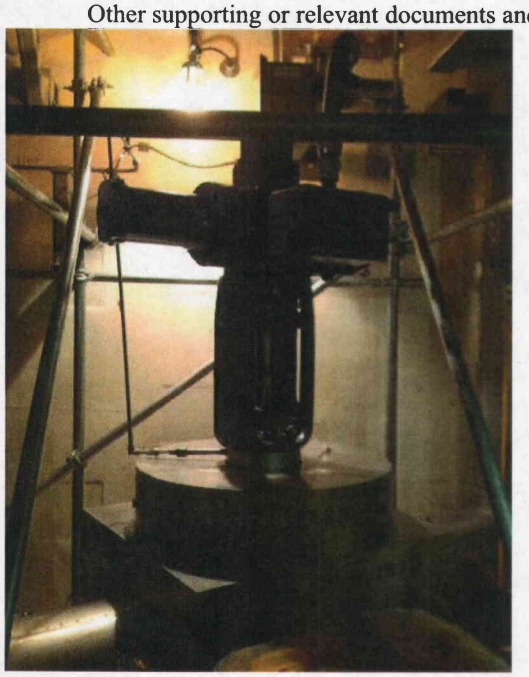
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

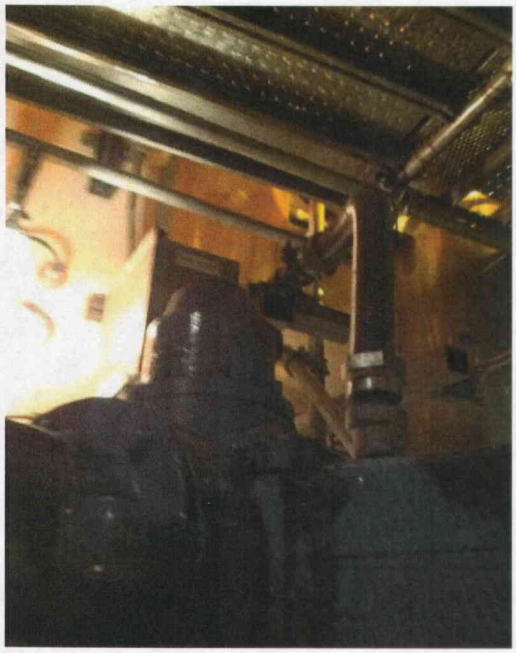
Equipment ID No. 2RHS-MOV720A Equip. Class 8a. Motor Operated Valve

Equipment Description RHR To RCS Loop 22 C.L. ISO

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



File Name: 2-61-5-2-19.jpeg
Description: General View of Component



File Name: 2-62-5-2-19.jpeg
Description: View of Attached Lines

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-P21A Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump A

Location: Bldg. RCBX Floor El. 707 Room RCBX 707

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

Vertical pump connected to surrounding wide flange members by 3-2" diam bolts.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)	X			

Drawing No. 10880-RV-0052A confirms anchorage configuration as 3-2" diameter anchors to surrounding wide flanges.

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-P21A Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump A

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached lines identified with adequate flexibility.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-P21A Equip. Class 6. Vertical Pumps

Equipment Description RHR Pump A

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

File Name: 2-62-2-2-18.jpeg
Description: General View of Component and Attached Lines

File Name: 2-64-2-2-18.jpeg
Description: View of Typical Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-RV721A Equip. Class 0. Other

Equipment Description RHS Trian A Supply Relief

Location: Bldg. RCBX Floor El. 692 Room RCBX 707

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	U	N/A
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 on insulated pipe connected to 2RHS-P21A Pump.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-RV721A Equip. Class 0. Other

Equipment Description RHS Trian A Supply Relief

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RHS-RV721A Equip. Class 0. Other

Equipment Description RHS Trian A Supply Relief

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

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

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

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RSS-TI150A Equip. Class 19. Temperature Sensors

Equipment Description Containment Sump Temperature Indicator

Location: Bldg. CNTB Floor El. 735 Room Control Room

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

Instrument mounted on the face of control room back panel with 2-1/8" diameter bolts in compression. The panel is welded to embedded steel with an average of 6" of 5/16" welds at 12" o.c. front and back.

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			

	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			

	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			

	Y	N	U	N/A
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.)				X

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

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RSS-TI150A Equip. Class 19. Temperature Sensors

Equipment Description Containment Sump Temperature Indicator

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			

Control room ceiling main runners are supported from concrete ceiling by wires at ~4' spacing. Each ceiling tile (i.e., egg grating) is tied to the main runners at each of its four corners and judged not to be a potential falling hazard. Potential ceiling interaction with back panels judged not to be a concern as there are no sensitive relays in these panels and the interaction is judged to be unlikely.

	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			

	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	X			

Attached lines have adequate flexibility.

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

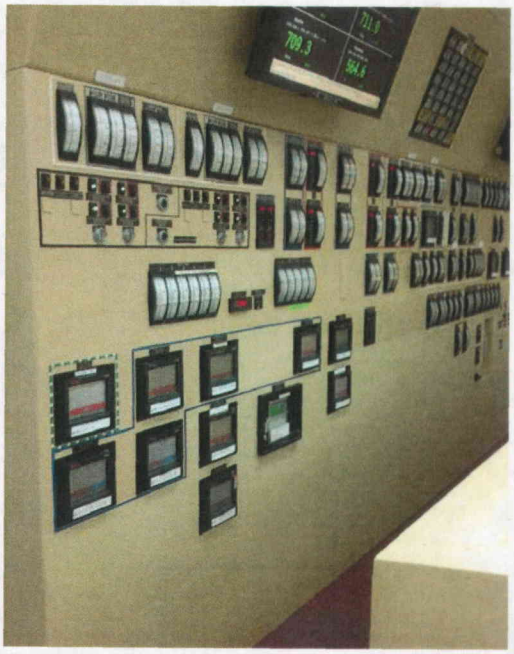
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RSS-TI150A Equip. Class 19. Temperature Sensors

Equipment Description Containment Sump Temperature Indicator

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

File Name: 2RSS-TI150A(1).jpg
Description: View of Component



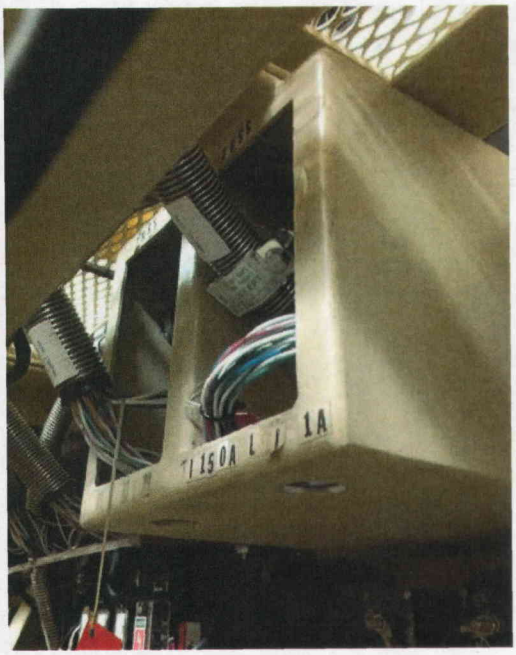
File Name: 2RSS-TI150A(2).jpg
Description: General View of Component Area

Status: Ⓨ N U

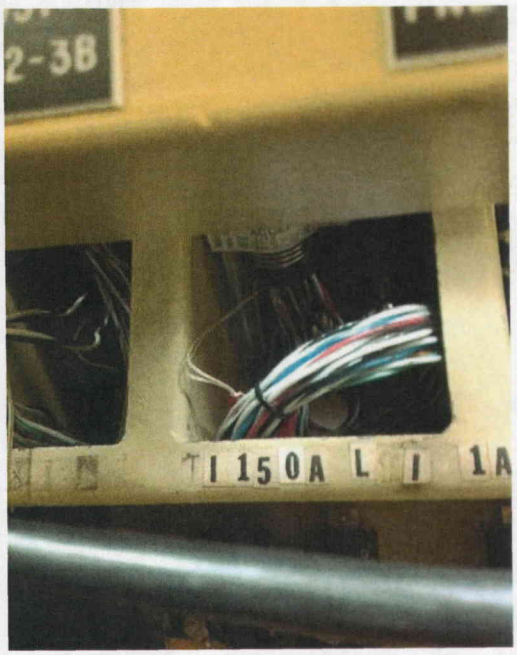
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RSS-TI150A Equip. Class 19. Temperature Sensors

Equipment Description Containment Sump Temperature Indicator



File Name: 2RSS-TI150A(3).jpg
Description: View of Attached Lines



File Name: 2RSS-TI150A(4).jpg
Description: View of Component Anchorage

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2RSS-TI150A Equip. Class 19. Temperature Sensors

Equipment Description Containment Sump Temperature Indicator

File Name: 2RSS-TI150A(5).jpg
Description: General View of Inside Cabinet

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-1 Equip. Class 0. Other

Equipment Description LHSI Pump (SIS-P21A) Inlet

Location: Bldg. SFGB Floor El. 718 Room SFGD 718

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	U	N/A
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Light but tall manually operated valve with substantial yoke on ~14" diameter main line. Main line is well supported near valve.

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-1 Equip. Class 0. Other

Equipment Description LHSI Pump (SIS-P21A) Inlet

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

Status: Ⓨ N U

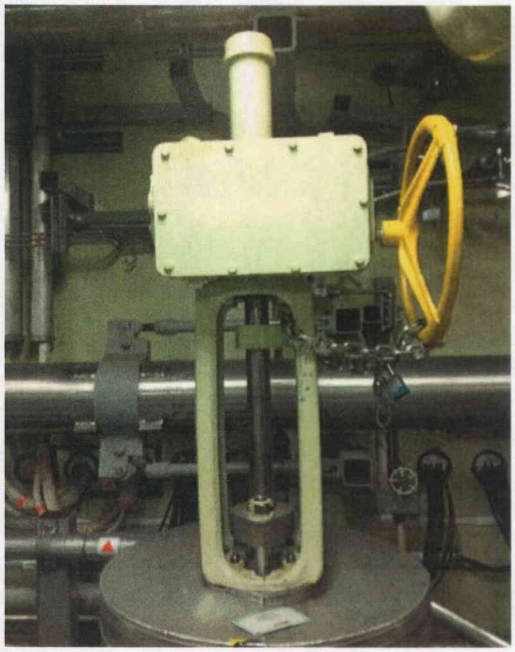
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-1 Equip. Class 0. Other

Equipment Description LHSI Pump (SIS-P21A) Inlet

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

File Name: 2-61-9-2-23.jpeg
Description: Component Plate ID



File Name: 2-62-9-2-23.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-1 Equip. Class 0. Other

Equipment Description LHSI Pump (SIS-P21A) Inlet

File Name: 2-63-9-2-23.jpeg
Description: General View of Main Line and Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-67 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description HHSI Pump Throttle To Loop 21C Cold Leg

Location: Bldg. RCBX Floor El. 718 Room RCBX 718-Annulus Col 4

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

Small valve mounted on 3" diam line. Line support identified at ~4' from valve. Support consists of HSS4x4 post ~5ft tall .

	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-67 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description HHSI Pump Throttle To Loop 21C Cold Leg

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? *Temporary equipment in area judged not to be a credible interaction concern.*	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

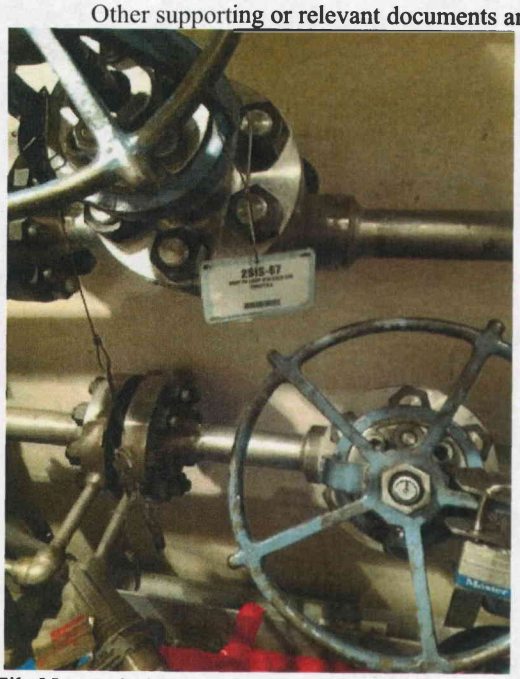
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

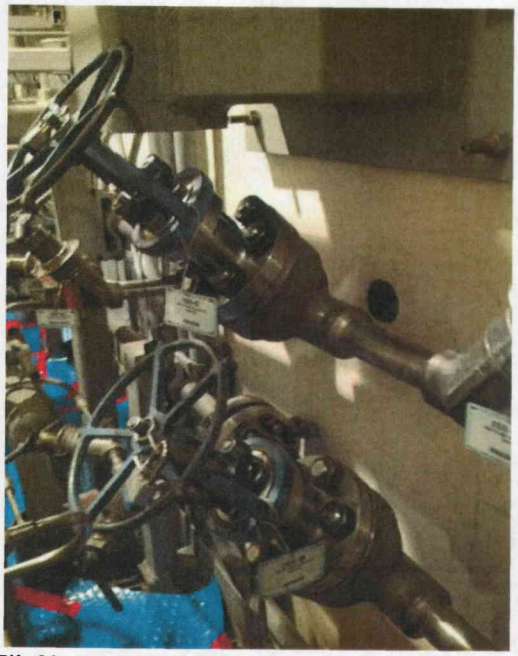
Equipment ID No. 2SIS-67 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description HHSI Pump Throttle To Loop 21C Cold Leg

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



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



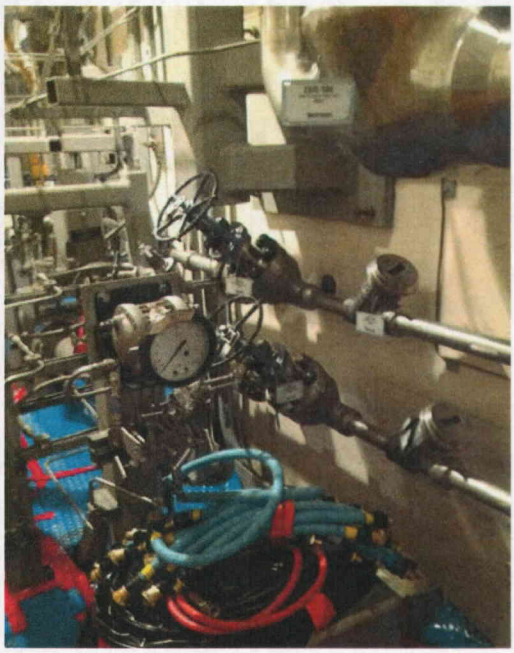
File Name: 2-62-4-2-19.jpeg
Description: General View of Component

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-67 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description HHSI Pump Throttle To Loop 21C Cold Leg



File Name: 2-63-4-2-19.jpeg
Description: General View of Component Area

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-MOV863A Equip. Class 8A. Motor Operated Valve

Equipment Description LHSI MOV ISO To HHSI

Location: Bldg. SFGB Floor El. 718 Room SFGD 718 West

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	U	N/A
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 ~8" diameter line.*		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?				X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
4. Is the anchorage free of visible cracks in the concrete near the anchors?				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.)				X
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			

Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-MOV863A Equip. Class 8A. Motor Operated Valve

Equipment Description LHSI MOV ISO To HHSI

Interaction Effects

	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? *Attached conduit is flexible. One of the flexible conduit has little slack compared to what is typically observed in the area. However, it is judged that the amount of available slack is adequate.*	X			

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Evaluated by: Eddie M. Guerra Date: 10/10/2012

Brian A. Lucarelli Date: 10/10/2012

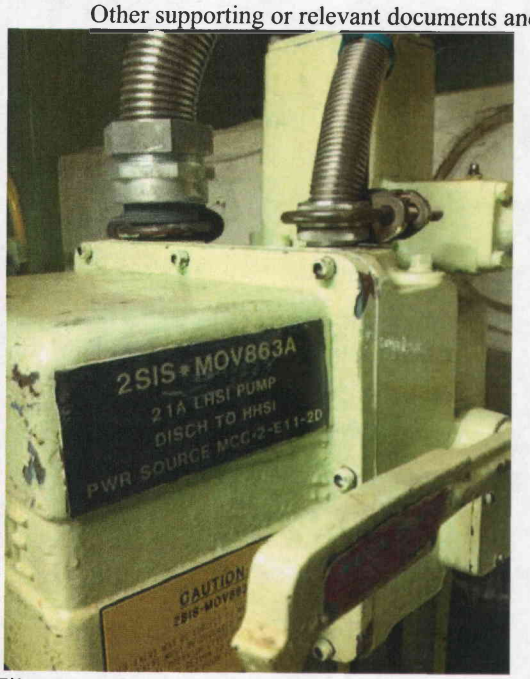
Status: Ⓨ N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-MOV863A Equip. Class 8A. Motor Operated Valve

Equipment Description LHSI MOV ISO To HHSI

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



File Name: 2-61-7-2-23.jpeg
Description: Component Plate ID

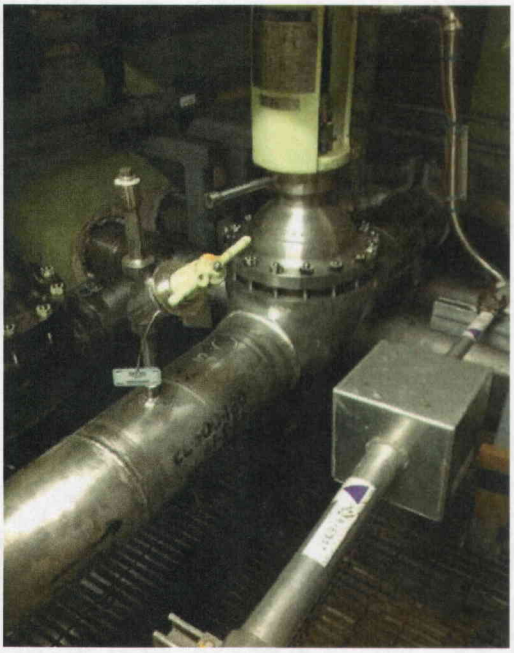
File Name: 2-62-7-2-23.jpeg
Description: General View of Component

Status: Ⓨ N U

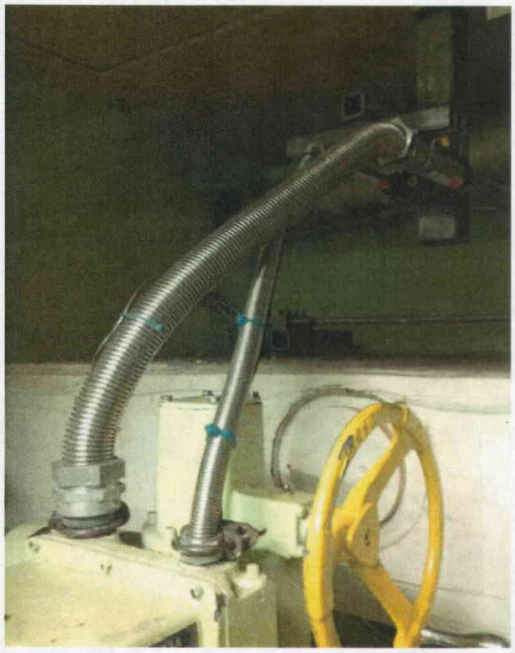
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2SIS-MOV863A Equip. Class 8A. Motor Operated Valve

Equipment Description LHSI MOV ISO To HHSI



File Name: 2-63-7-2-23.jpeg
Description: View of Main Line



File Name: 2-64-7-2-23.jpeg
Description: View of Attached Lines