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Sheet 1 of 3

Status: YX NU U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2R43-B002A</u> Equip. Class ¹ _21	anna
Equipment Description DG 2A LUBE OIL HEAT EXCH	
Location: Bldg. DIESEL Floor El. 130 Room, Area 2A	
Manufacturer, Model, Etc. (optional but recommended)	a descenter de la companya de la com
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y NX
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface	
oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YM NU UU N/AU
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.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	
potentiany adverse seismic conditions?	

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3

Status:	Y⊠	N	U
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Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2R43-B002A Equip. Class ¹ 21	
Equipment Description DG 2A LUBE OIL HEAT EXCH	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Light bulbs might fall on the equipment, however, the damage is judged to be not significant since the bulb is very light and the equipment is rugged.	Y⊠ N⊡ U⊡ N/A⊡
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N⊡ U⊡ N/A⊡
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM NO UO
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO UO
<u>Comments (Additional pages may be added as necessary)</u>	
The area walk by was performed with item 2R43-S001A.	
Evaluated by: Kursat Kinali	Date: <u>9/7/2012</u>
Evaluated by: Kursat Kinali Korkas & Mall Wesley Williams Welley A. William	9/7/2012

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 3 of 3

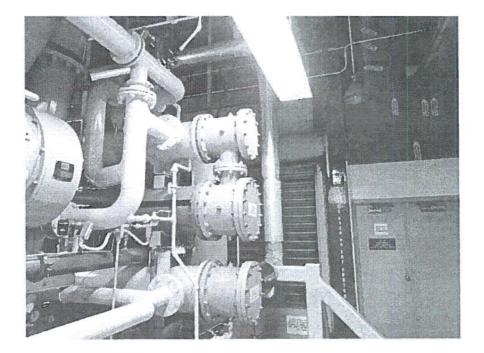
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R43-B002A Equip. Class¹ 21

Equipment Description DG 2A LUBE OIL HEAT EXCH

Photographs





Sheet 1 of 8

Status: YX N U

Seismic Walkdown Checklist (SWC)	. Barring transmitty " transmitty
Equipment ID No. <u>2E11-B001A</u> Equip. Class ¹ <u>21</u>	
Equipment Description RHR Heat Exchanger A	
Location: Bldg. <u>REACTOR</u> Floor El. <u>108</u> Room, Area <u>NE Diagonal</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	the results of judgments and
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⊠
2. Is the anchorage free of bent, broken, missing or loose hardware? There are eight anchors attached to the steel frame in four mounting chairs. Two of the bolts have full thread engagement but do not have the required minimum of two threads above the nut; an additional two bolts have bolts approximately 1/4" below the nuts and so do not have full thread engagement (CR 516593). The bolts are welded to the steel frame, providing additional support for the connection. In addition, the heat exchanger is also supported by four sway struts below the roof above to prevent overturning of the equipment. The shear strength is not impacted, overturning is restrained, and the center of gravity of the equipment is below the bolts and the vertical seismic acceleration at that level will not exceed 1.0, so the largest tension load the bolts are judged to be acceptable and do not create a potentially adverse seismic condition. Also, each of the HX anchoring chairs have two additional holes drilled in them. These bolt holes appear to be the original holes for the installation of the RHR HX. Bolts installed in these holes would not be able to reach the structural steel flanges in the existing building structure. The refore, new mounting holes have been provided for installing the RHR HX on the existing building structure. The current bolts used for the anchorage of this component are judged by the SWE's to be the same size and strength as the original connections for the holes on the bolting chairs for this component.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Equipment is bolted to steel structure, so there is no concrete.	Y□ N□ U□ N/A⊠

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 8

Status: YX NU U

Seismic Walkdown Checklist (SWC)	,
Equipment ID No. <u>2E11-B001A</u> Equip. Class ¹ 21	1
Equipment Description RHR Heat Exchanger A	
 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.) 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO
Interaction Effects	······
7. Are soft targets free from impact by nearby equipment or structures?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YX NO UO NAO
9. Do attached lines have adequate flexibility to avoid damage?	YX NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? The cable raceway support impinges on the RHR Heat Exchanger insulation, and the insulation has been cut away from the member. The raceway support only impacts the insulation, but is at least one inch from the body of the heat exchanger, so there will be no impact between the two components. Therefore, it is judged that there is no potentially adverse seismic condition.	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO UO

Sheet 3 of 8 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2E11-B001A Equip. Class¹ 21

Equipment Description RHR Heat Exchanger A

Comments (Additional pages may be added as necessary)

None

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Λ			
Evaluated by: John McFarland And	Date:	09/12/2012	
Jeff Horton Mar Mon		09/12/2012	

Status: Y⊠ N□ U□ Sheet 4 of 8

Seismic Walkdown Checklist (SWC)

Photographs Equipment ID No. 2E11-B001A Equipment Description RHR Heat Exchanger A Equip. Class¹ 21

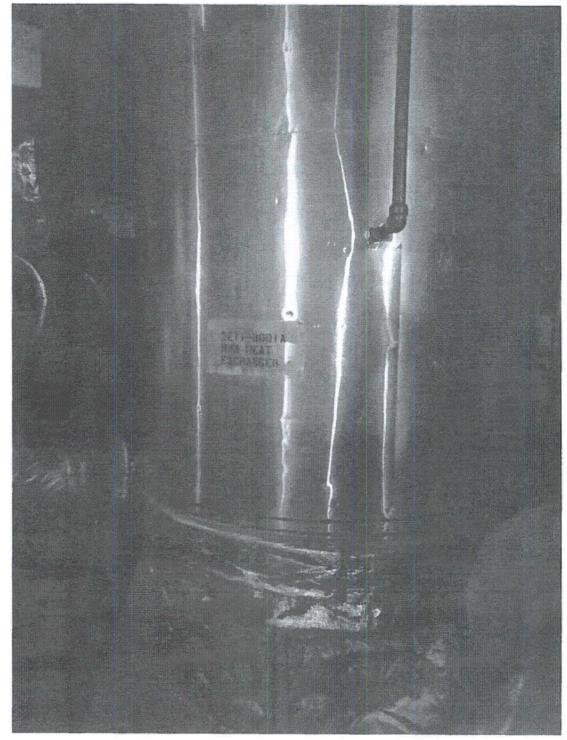


Figure 1 - Equipment ID No (2E11-B001A)

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

NO. SNCH082-RPT-02, VERSION 1.0







NO. SNCH082-RPT-02, VERSION 1.0

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Figure 3 - Bolt Threads below Nut (2E11-B001A)

Sheet 7 of 8

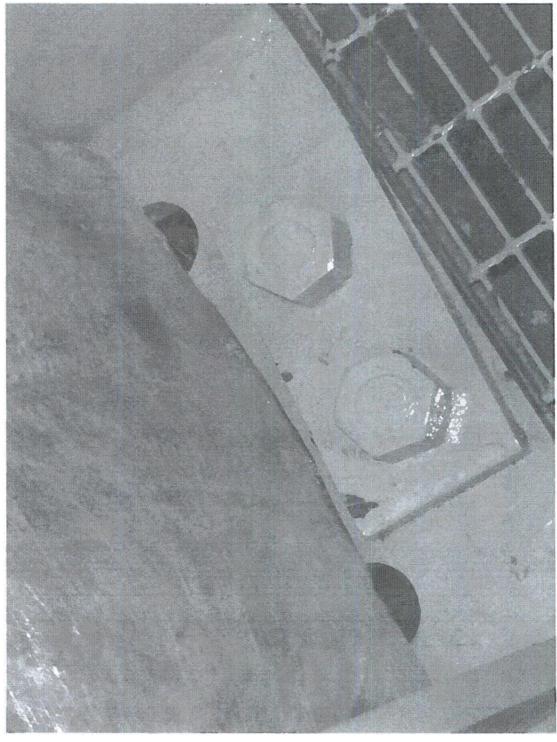


Figure 4 - Bolt Threads Flush with Nuts (2E11-B001A)

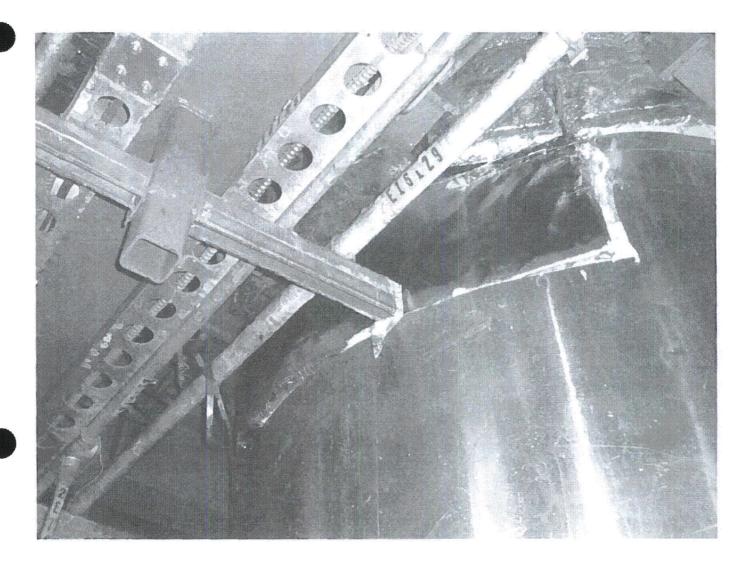


Figure 5 - Cable Raceway near Heat Exchanger (2E11-B001A)



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Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E11-B001B</u> Equip. Class ¹ <u>21</u>	
Equipment Description RHR Heat Exchanger B	un manufacture de la companya de la
Location: Bldg. <u>REACTOR</u> Floor El. <u>108</u> Room, Area <u>SE Diagonal</u>	Unit 2
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record to findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y IN
2. Is the anchorage free of bent, broken, missing or loose hardware? There are eight anchor connections to the steel frame in four mounting chairs. Two of the bolts have full thread engagement but do not have the required minimum of two threads above the nut (CR 516595). The bolts are welded to the steel frame, providing additional support for the connection. Also, each of the HX anchoring chairs have two additional holes drilled in them. These bolt holes appear to be the original holes for the installation of the RHR HX. Bolts installed in these holes would not be able to reach the structural steel flanges in the existing building structure. Therefore, new mounting holes have been provided for installing the RHR HX on the existing building structure. The current bolts used for the anchorage of this component are judged by the SWE's to be the same size and strength as the original connections for the holes on the bolting chairs for this component. In addition, the heat exchanger is also supported by four sway struts below the roof above to prevent overturning of the equipment. The shear strength is not impacted, overturning is restrained, and the center of gravity of the equipment is below the bolts and the vertical seismic acceleration at that level will not exceed 1.0, so the largest tension load the bolts will see is the preload, which is already applied. Therefore, the bolts are judged to be acceptable and do not create a potentially adverse seismic condition.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation? The bolt paint chipped off in several places, resulting in mild surface oxidation. Since oxidation is only on the surface, the anchors are not	Y⊠ N□ U□ N/A□
 degraded. Therefore, the anchors are judged not be a seismic concern. 4. Is the anchorage free of visible cracks in the concrete near the anchors? Equipment is bolted to steel structure, so there is no concrete. 	

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¹ Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 8

Status: YX N U

Seismic Walkdown Checklist (SWC)	مربع ومربعة المربية ال المرابعة المربية
Equipment ID No. <u>2E11-B001B</u> Equip. Class ¹ <u>21</u>	
Equipment Description RHR Heat Exchanger B	• •• •• ••••••••••••••••••••••••••••••
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.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YX NÎ UN NAN
9. Do attached lines have adequate flexibility to avoid damage?	YX NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? The cable raceway support impinges on the RHR Heat Exchanger insulation, and the insulation has been cut away from the member. The raceway support only impacts the insulation, but is at least one inch from the body of the heat exchanger, so there will be no impact between the two components. Therefore, it is judged that there is no potentially adverse seismic condition.	YX NO UO

Other Adverse Conditions

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

Sheet 3 of 8

Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E11-B001B</u> Equip. Class¹ <u>21</u>

Equipment Description RHR Heat Exchanger B

Comments (Additional pages may be added as necessary)

There is no identification tag or number on the 2E11-B001B RHR Heat Exchanger B.

Evaluated by: John McFarland Date: 09/12/2012 Jeff Horte 09/12/2012



Sheet 4 of 8

Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E11-B001B</u> Equip. Class¹_21

Equipment Description RHR Heat Exchanger B

Photographs

There is no identification tag on the equipment, so this picture does not exist,

Figure 1 – Equipment ID No (2E11-B001B)

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 5 of 8

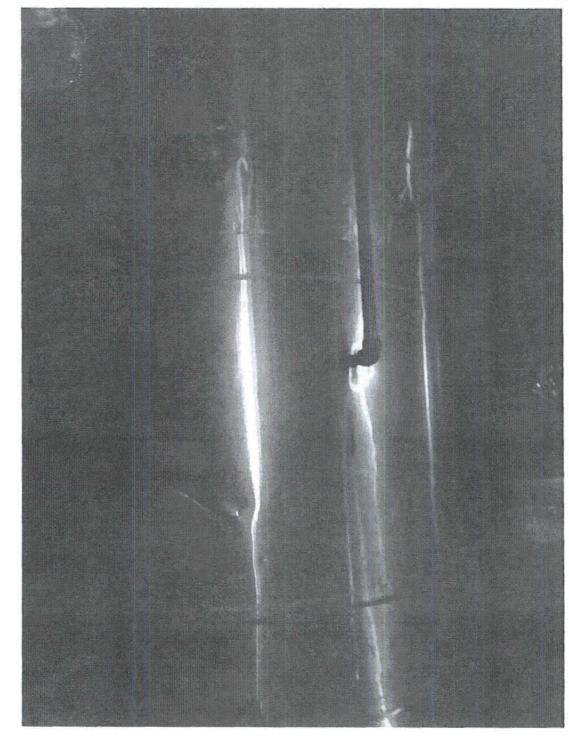


Figure 2 - Equipment Elevation (2E11-B001B)

Sheet 6 of 8

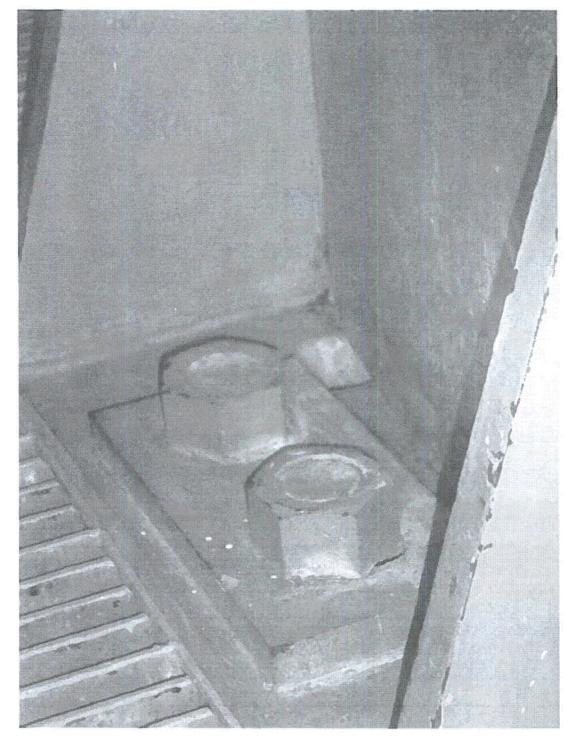






Figure 4 - Chipped Bolt Paint (2E11-B001B)

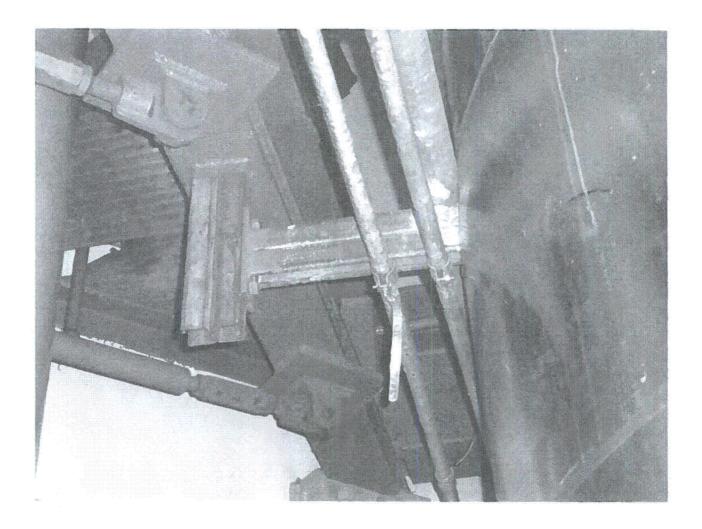


Figure 5 - Conduit Support near Heat Exchanger (2E11-B001B)

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NO. SNCH082-RPT-02, VERSION 1.0

Sheet 1 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2748-A001 Equip. Class ¹ 21	
Equipment Description UNIT 2 LIQUID NITROGEN STORAGE TANK	
Location: Bldg. YARD Floor El. 130 Room, Area Unit 2 Nitroge	en Storage Tank Room
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	YM NO
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
Mild surface corrosion was observed at the anchorage. This was judged not to be a seismic concern since it is only at the surface.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for	YX N UN/A
which an anchorage configuration verification is required.) The anchorage was checked against the SQUG package dated 2/15/94 and Drawing H-25193 Rev. 2.	
6. Based on the above anchorage evaluations, is the anchorage free of	YM NO UO
potentially adverse seismic conditions?	

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⁴ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 4

Status:	Y⊠	N	U
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Seismic Walkdown Checklist (SWC)	Status: YX N U
Equipment ID No. 2748-A001 Equip. Class ⁴ 21	
Equipment Description UNIT 2 LIQUID NITROGEN STORAGE TANK	· ·
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	
7. The soft targets nee from impact by hearby equipment of structures?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N⊡ U⊡ N/A⊡
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? SQUG package noted a possible interaction with the then timber roof on the top of the room and suggested modification. The roof was replaced later and currently it is steel frame supported corrugated metal decking. This steel frame decking system is seismically adequate by inspection.	YØNDUD
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary) None.	

Evaluated by: KURSAT KINALI	Kinali	Date:	9/26/2012
WESLEY WILLIAMS	Wesly A. Willin		9/26/2012

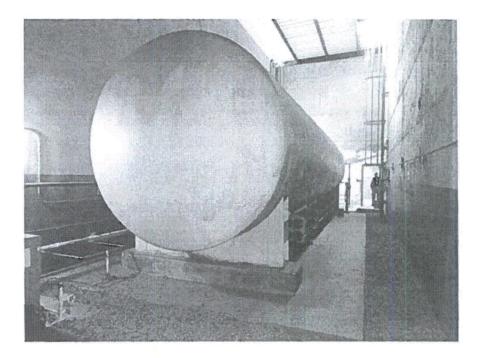
Sheet 3 of 4 Status: $Y \boxtimes N \square U \square$

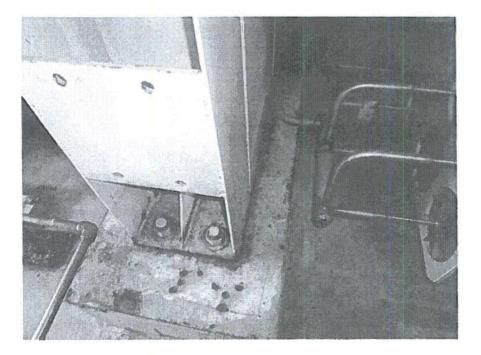
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2748-A001 Equip. Class¹ 21

Equipment Description UNIT 2 LIQUID NITROGEN STORAGE TANK

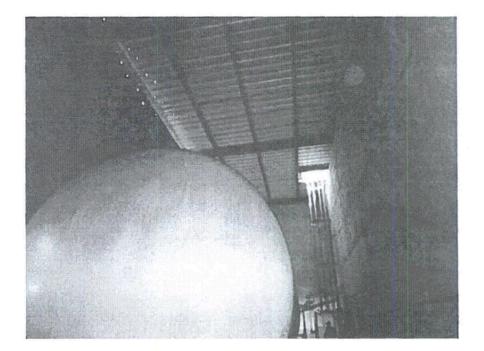
Photographs





ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

Sheet 4 of 4



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Sheet 1 of 3

Status: YX N U

Seismic Walkdown Checklist (SWC)			
Equipment ID No. 2Y52-A101C Equip. Class ¹ 21			
Equipment Description FUEL DAY TANK 1C	anang tang sa		
Location: Bldg. DIESEL Floor El. 130 Room, Area Day Tank Ro	nom		
Manufacturer, Model, Etc. (optional but recommended)			
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⊠		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yon no uo n/ao		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?			
4. Is the anchorage free of visible cracks in the concrete near the anchors?			
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⊠		
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX ND UD		

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS	NO. SNCH082-RPT-02, VERSION 1.0 Sheet 2 of 3 Status: YX N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2Y52-A101C Equip. Class ¹ 21	
Equipment Description FUEL DAY TANK 1C	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or stru	ictures? YX NI UI N/AI
8. Are overhead equipment, distribution systems, ceiling tiles a	nd lighting, YX N U N/A
and masonry block walls not likely to collapse onto the equip	
Ó. De etterbad lister könnisiderinte förstkillterte ensid demografi	
9. Do attached lines have adequate flexibility to avoid damage?	YX NO ÚO N/AO
10. Based on the above seismic interaction evaluations, is equipr of potentially adverse seismic interaction effects?	nent free Y⊠ N□ U□
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions t	hat could Y⊠ N□ U□
adversely affect the safety functions of the equipment?	
<u> </u>	
<u>Comments</u> (Additional pages may be added as necessary)	
Noņe.	
Evaluated by: KURSAT KINALI	Date: <u>9/12/2012</u>
WEDI FUNNILLAND LILONDI LA	Ili 9/12/2012
WESLEY WILLIAMS Willing A- h	<u>9/1/2/2012</u>

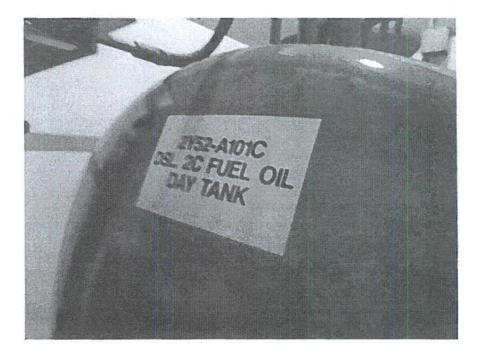
NO. SNCH082-RPT-02, VERSION 1.0 Sheet 3 of 3 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2Y52-A101C Equip. Class¹ 21

Equipment Description FUEL DAY TANK 1C

Photographs





Status: YX N U

Seismic Walkdown Checklist (SWC)		
Equipment ID No. <u>2C41-A001</u> Equip. Class ¹ _21		
Equipment Description SBLC BORON SOLUTION TANK		
Location: Bldg. <u>RB</u> Floor El. <u>203</u> Room, Area <u>2R414</u>		
Manufacturer, Model, Etc. (optional but recommended)		
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□	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YX NO UO N/AO	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration was checked against Drawing S-25399, Ver. 1.0. Number of bolts and presence of stitch welding were confirmed. 	Y⊠ N□ U□ N/A□	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□	

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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	Sheet 2 of 3
Seismic Walkdown Checklist (SWC)	Status: YX N U
Equipment ID No. <u>2C41-A001</u> Equip. Class ¹ 21	
Equipment Description SBLC BORON SOLUTION TANK	
Interaction Effects	n an an an ann an ann an ann an ann an a
7. Are soft targets free from impact by nearby equipment or structures?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	YX NI UI N/AI
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO UO
Comments (Additional pages may be added as necessary) None	
·····	
Evaluated by: Kursat Kinali	Date: 9/6/2012
Wesley Williams puty for the	9/6/2012

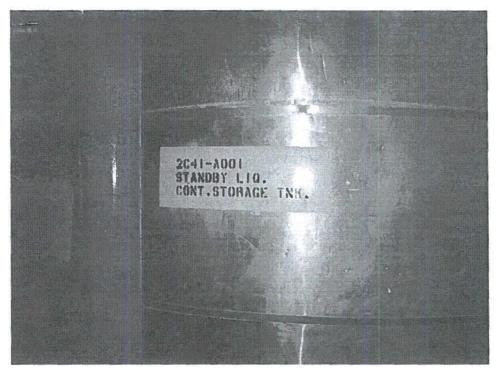
Sheet 3 of 3 Status: $Y \boxtimes N \square U \square$

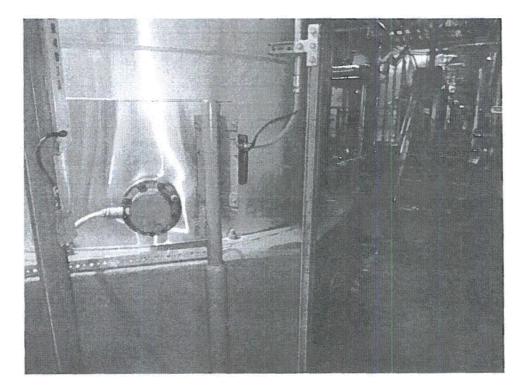
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2C41-A001 Equip. Class¹ 21

Equipment Description SBLC BORON SOLUTION TANK

Photographs





Sheet 1 of 4

Status: YX N U

Status: 12	
Equipment ID No. 2R43-A005A Equip. Class ¹ _21	
Equipment Description DG 2A STARTING AIR RECEIVER	
Location: Bldg. DIESEL Floor El. 130 Room, Area DIESEL GENERATOR ROOM	M 2A
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equip SWEL. The space below each of the following questions may be used to record the results of jud findings. Additional space is provided at the end of this checklist for documenting other commen	gments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)?	
2. Is the anchorage free of bent, broken, missing or loose hardware? $Y \boxtimes N \square U \square$	N/A
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ oxidation?	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? $Y \boxtimes N \square U \square$	N/A□
 5. Is the anchorage configuration consistent with plant documentation? Y⊠ N□ U□ (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage is consistent with that outlined in calculation C-117.0, Rev. 2. 	N/A
 Based on the above anchorage evaluations, is the anchorage free of Y⊠ N□ U□ potentially adverse seismic conditions? 	l

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

	Sheet 2 of 4 Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2R43-A005A</u> Equip. Class ¹ _21	
Equipment Description DG 2A STARTING AIR RECEIVER	· · · · · · · · · · · · · · · · · · ·
Interaction Effects	n na managana na ana ana ana ang na ang n
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YX NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage? Tubing flexibility at the top is adequate as noted in calculation C-117.0, Rev. 2.	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM NO ÚO
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NO ÜO
<u>Comments</u> (Additional pages may be added as necessary) See 2R43-S001A for AWC information.	
tand	
Evaluated by: Juan Vizcaya	Date: 09/26/2012
Patrick Kelly You HAR	09/26/2012

NO. SNCH082-RPT-02, VERSION 1.0

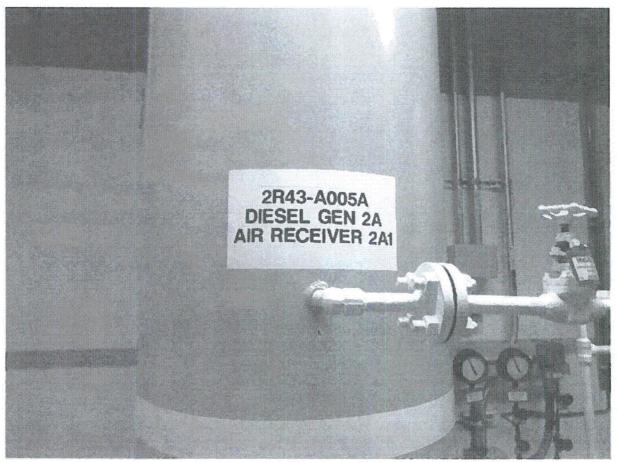
Sheet 3 of 4 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R43-A005A Equip. Class¹ 21

Equipment Description DG 2A STARTING AIR RECEIVER

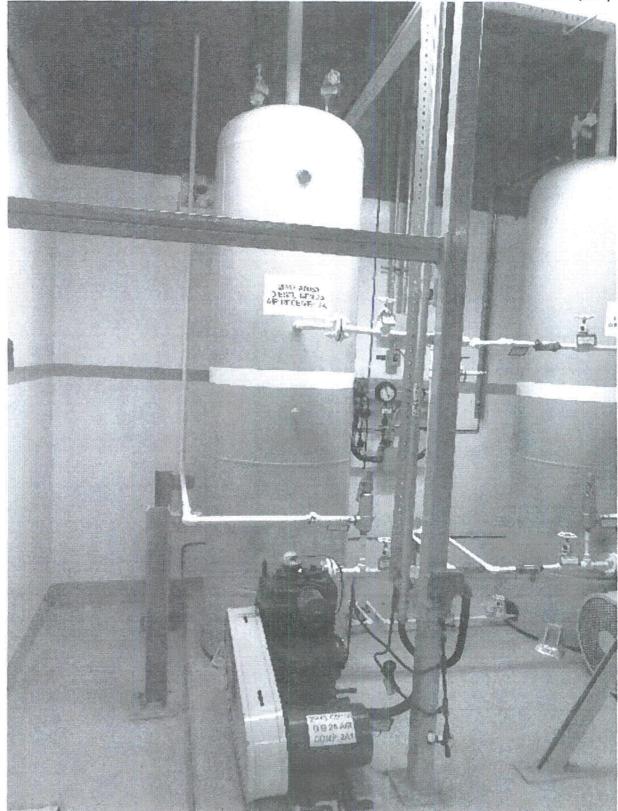
Photographs



1: Equipment MPL # (2R43-A005A)

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 4 of 4



2: Equipment Elevation (2R43-A005A)

Sheet 1 of 7

Status: YX N U

Equipment ID No. <u>2P70-A002B</u> Equip. Class ¹ <u>0</u>
Equipment Description <u>EMER N2 BOTTLE</u>
Location: Bldg. <u>REACTOR</u> Floor El. <u>130</u> Room, Area <u>R107A</u>
Manufacturer, Model, Etc. (optional but recommended)

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	Y⊠ N	
	of the 50% of SWEL items requiring such verification)?		

2. Is the anchorage free of bent, broken, missing or loose hardward	$re? \qquad Y \boxtimes N \square U \square N/A \square$
Loose bolt from other component or connection is stuck in the bolt recessed tube area for the anchor. The SWE's have detern that this loose bolt will not damage the rack anchor during a s event nor is it likely that the bolt will exit the recessed tube are a seismic event and damage other equipment. Therefore, the la at this location is seismically acceptable.	nined eismic ea during
3. Is the anchorage free of corrosion that is more than mild surfac oxidation?	ce Y⊠ N□ U□ N/A□

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

5.	Is the anchorage configuration consistent with plant documentation?	Y⊠ N□ U□ N/A□
	(Note: This question only applies if the item is one of the 50% for	
	which an anchorage configuration verification is required.)	
	Drawing H-51524, Rev. 0	

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS		NO. SNCH082-RPT-02, VERSION 1.0 Sheet 2 of 7	
	:		•
Equip. Class ¹ _0		·····	<u></u>
E			
uations, is the anchorage fi ons?	ree of Y⊠		

y nearby equipment or stru	ctures? Y⊠		N/A
		N <u></u> U	N/A
exibility to avoid damage?	Y⊠	םט םא ו	N/A
tion evaluations, is equipm action effects?	ient free Y		
	Equip. Class ¹ <u>0</u> E uations, is the anchorage froms? y nearby equipment or stru on systems, ceiling tiles and to collapse onto the equip exibility to avoid damage? tion evaluations, is equipm	Equip. Class ¹ <u>0</u> E uations, is the anchorage free of YX y nearby equipment or structures? YX on systems, ceiling tiles and lighting, YX to collapse onto the equipment? exibility to avoid damage? YX tion evaluations, is equipment free YX	She Status: $Y \boxtimes$ Equip. Class ¹ _0

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

Comments (Additional pages may be added as necessary)

The rack itself has no MPL number to indicate this is the correct component (See CR 518755). Also, there is a Squeeze Bottle, Wrench and paper stuffed inside the top structural tubes of the rack (see CR 518755)

Sheet 3 of 7

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P70-A002B</u> Equip. Class ¹ _0	
Equipment Description EMER N2 BOTTLE	18.8.1
Evaluated by: John McFarland	Date: <u>09/17/2012</u> 09/17/2012

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 4 of 7 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2P70-A002B Equip. Class¹ 0

Equipment Description EMER N2 BOTTLE

Photographs

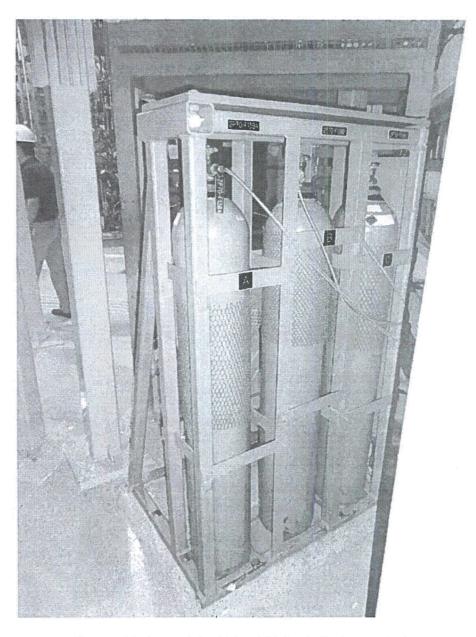


Figure 1 Equipment ID (2P70-A002B) No Equipment ID Tag

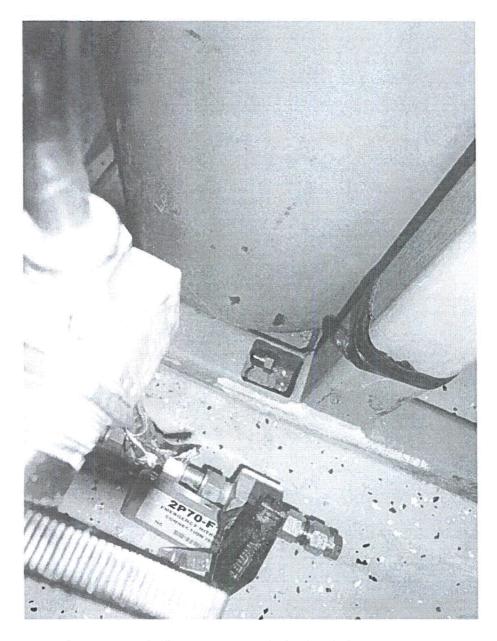


Figure 2 Threaded Fastener Located in Anchor Bolt Recess of Rack

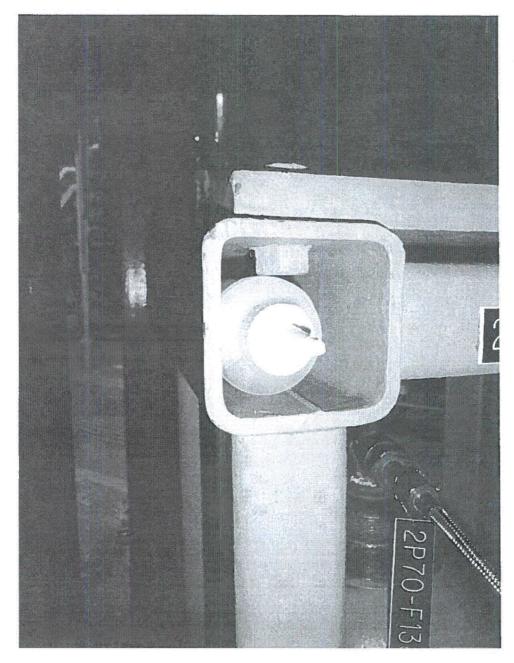


Figure 3 Squeeze Bottle in Top Structural Tube of Frame



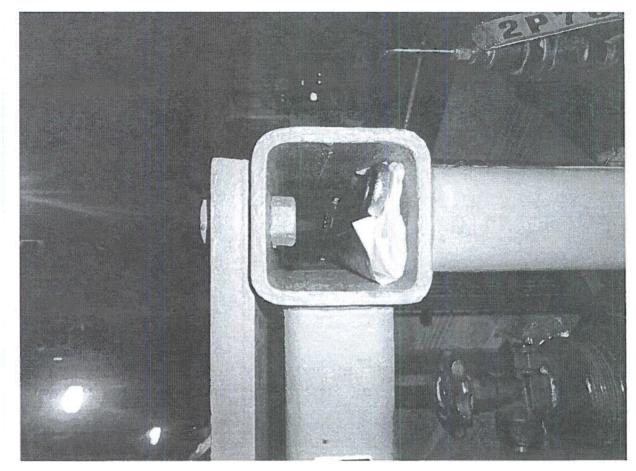


Figure 4 Wrench inside Top Structural Steel Tube of N2 Rack

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Sheet 1 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC)			
Equipment ID No. 2R42-S032B Equip. Class ¹ _16			
Equipment Description <u>125V BATTERY CHARGER 2H</u>			
Location: Bldg. DIESEL Floor El. 130 Room, Area Battery Charge	ger Room		
Manufacturer, Model, Etc. (optional but recommended)			
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 NX		
2. Is the anchorage free of bent, broken, missing or loose hardware?			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO		
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YX NO UO N/AO		
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⊠		
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO		

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

i (iii)

Sheet 2 of 4

Status: YX NUU

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2R42-S032B Equip. Class ¹ 16	
Equipment Description 125V BATTERY CHARGER 2H	ay hy 1117 ye
nteraction Effects	<u></u>
7. Are soft targets free from impact by nearby equipment or structures?	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?	
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YN NO UO
Other Adverse Conditions	an a
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Components inside the panel were inspected visually in accordance with the direction provided in the FAQ related to opening panels. The panel was opened under WO# SNC436331. No potentially adverse seismic conditions were found.	YN ND UD

Evaluated by: <u>KURSAT KINALI</u>	Kint	Kinda	Date:	9/27/2012
WESLEY WILLIAMS	Wesley	Antlei		9/27/2012
	le de la companya de			

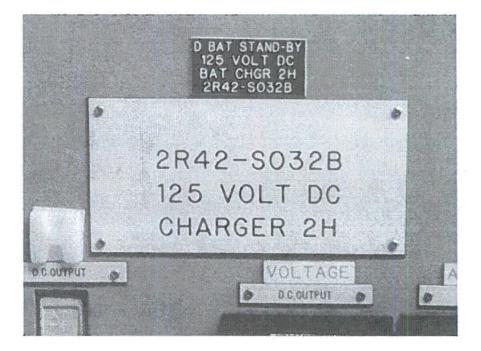
Sheet 3 of 4 Status: Y⊠ N□ U□

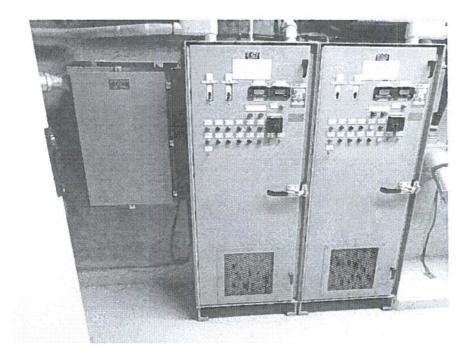
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R42-S032B Equip. Class¹ 16

Equipment Description 125V BATTERY CHARGER 2H

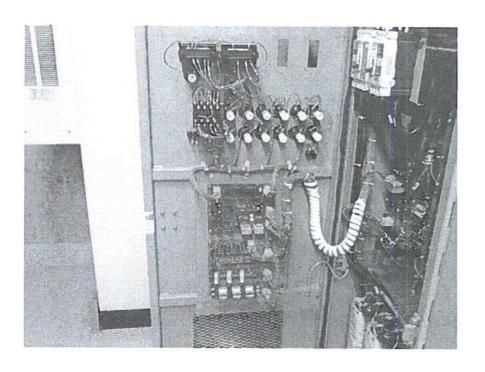
Photographs

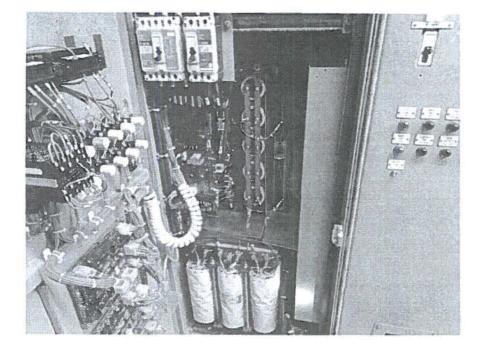




ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

Sheet 4 of 4





Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2H11-P602</u> Equip. Class ¹ <u>20</u>	
Equipment Description Reactor/Containment Cooling & Isolation Panel	
Location: Bldg. <u>CONTROL</u> Floor El. <u>164</u> Room, Area <u>Unit 2 Control</u>	nl Room
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of the space space.	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	YØ ND
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
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.)	YX NO UO N/AO
Anchorage configuration is consistent with SEWS package (Dated 02/19/1994). All anchors were determined to be installed and free of adverse seismic conditions.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX ND UD

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

Status: YX N U

Seisn	nic Walkdown Checklist (SWC)	
Equip	ment ID No. <u>2H11-P602</u> Equip. Class ¹ <u>20</u>	
Equip	ment Description <u>Reactor/Containment Cooling & Isolation Panel</u>	·
Intera	action Effects	
7.	Are soft targets free from impact by nearby equipment or structures? Components installed inside the panel are adequately spaced and supported.	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? Unlatched lighting covers (diffusers) were observed at three locations at the rear of the panels. The latches for the three covers were not properly engaged at one corner. The cover design was common for the overhead lights at the rear of the panels and the square ones in the front. The diffusers are very light weight and are located sufficiently far from the panels to prevent the diffusers from impacting sensitive equipment even if they were to fall. The scenario of the light covers becoming fully disengaged and then entering into the backs of the open panels or hitting the front of the panels were not credible. Therefore, this not a seismic concern.	Y⊠ N⊡ U⊡ N/A⊡
	tiles from falling during a seismic event. The overhead equipment, distribution systems, and lighting were installed with rigid restraints or rod hung with multiple tie wires to limit horizontal movement.	
9.	Do attached lines have adequate flexibility to avoid damage? Rigid conduits attached to the top of the panels were judged to be seismically acceptable. The rigid conduits are attached to metal wire chase which is also rigidly attached to the panels. Therefore, the differential motion between the wire chase and panels is minimized.	YX NO UO NAO
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? The connection of Panel 2-H11-602 to Panel 2-H11-603 consisted of 7 bolts instead of 8 bolts. One bolt located in the upper front corner was not installed (see picture). Details of this connection were not specified in the design documents or SEWS package. However, the configuration and capacity of the 7 installed bolts are adequate to connect the two cabinets such that there is no differential movement between the two cabinets. Per review of the SEWS package, the panel weight is conservatively approximated to be 8300lbs/6ft section. The maximum horizontal acceleration of the panel is 0.65g. The anchorage to the floor was determined to have sufficient capacity to resist 0.75g. Therefore, the seismic interaction of the two cabinets was judged to be acceptable. Considering the capacity of the existing bolts (5/8" diameter) the loads associated with differential movement of the cabinets will be adequately restrained, and the other bolt does not need to be installed.	Y⊠ N□ U□

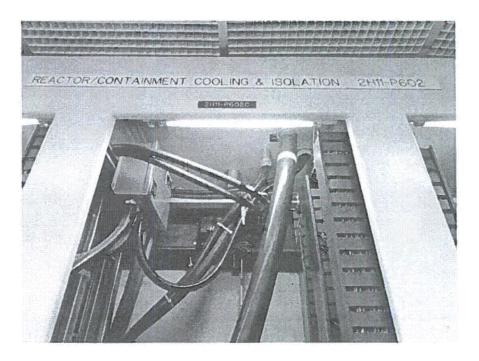
ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS	NO. SNCH082-RPT-02, VERSION 1.0 Sheet 3 of 5 Status: Y⊠ N⊡ U[
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2H11-P602</u> Equip. Class ¹ 20	
Equipment Description Reactor/Containment Cooling & Isolat	tion Panel
Other Adverse Conditions	
11. Have you looked for and found no other seismic condit adversely affect the safety functions of the equipment? Components inside the panel were inspected visually in with the direction provided in the FAQ related to openin	n accordance
Comments (Additional pages may be added as necessary)	an a
The resolutions to IPEEE outliers were verified. The HVA adequately restrained, and there was no nearby furnitu interact with the equipment.	
	18 - 18 - 19 - 19 - 19 - 19 - 19 - 19 -
Evaluated by: Winston Stewart WHAT	Date: 09/18/2012

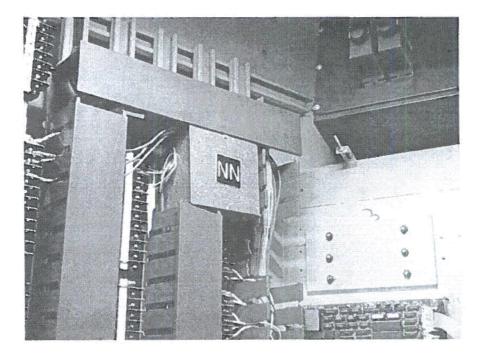
Seismic Walkdown Checklist (SWC)

Equipment ID No. 2H11-P602 Equip. Class¹ 20

Equipment Description Reactor/Containment Cooling & Isolation Panel

Photographs







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Sheet 1 of 5

Status: YX NU U

Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>2G41-F054</u> Equip. Class ¹ 7	adada			
Equipment Description CST Make-Up Supply Iso AOV				
Location: Bldg. <u>REACTOR</u> Floor El. 203 Room, Area <u>RH-R18</u>				
Manufacturer, Model, Etc. (optional but recommended)				
Instructions for Completing Checklist				
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	he results of judgments and			
Anchorage				
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y NX			
2. Is the anchorage free of bent, broken, missing or loose hardware? The equipment is an inline component, so there is no anchorage.	Y□ N□ U□ N/A⊠			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	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.)	Y N UNAX			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?				

¹ Enter the equipment class name from Appendix B: Classes of Equipment,

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 2 of 5

Seismic Walkdown Checklist (SŴC)	Status: Y⊠ N□ U□
Equipment ID No. <u>2G41-F054</u> Equip. Class ¹ 7	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	YX 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?	Y⊠ N□ Ü□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	
Other Adverse Conditions	in the construction of the second
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? There is mild surface oxidation on the valve bonnet to body flange bolts. Since oxidation is only on the surface, the flange bolts are not degraded. Therefore, the bolts are judged not be a seismic concern.	YX NO UO
Comments (Additional pages may be added as necessary)	
None	
Evaluated by: John McFarland	Date: 09/12/2012

 Sheet 3 of 5

 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2G41-F054 Equip. Class¹ 7

Equipment Description CST Make-Up Supply Iso AOV

Photographs



Figure 1 - Equipment ID No (2G41-F054)

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 4 of 5

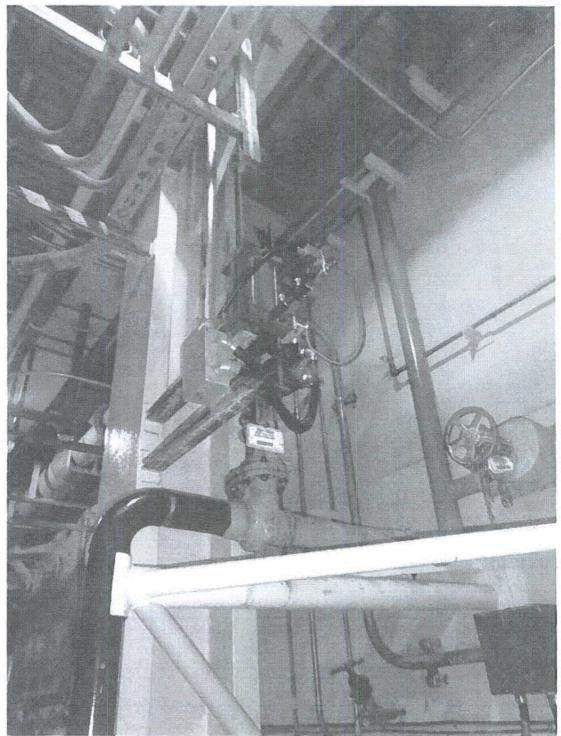


Figure 2 - Equipment Elevation (2G41-F054)

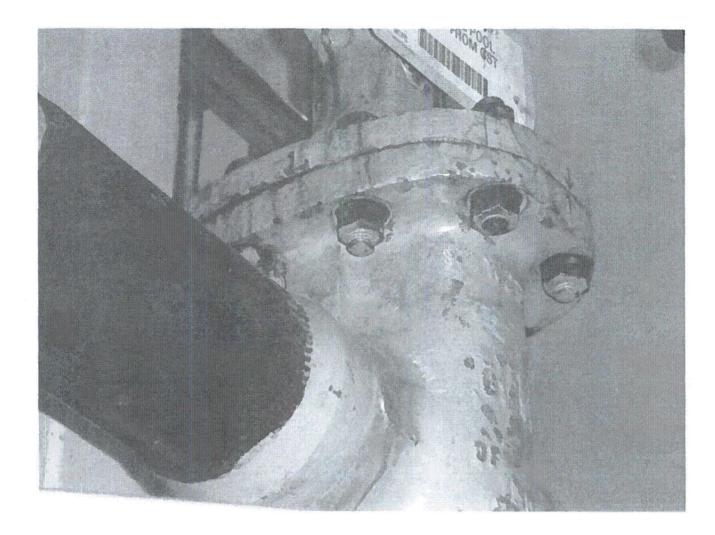


Figure 3 - Mild Surface Oxidation on Flange Bolts (2G41-F054)

Status: Y \boxtimes N \square U \square

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Seismic Walkdown Checklist (SWC)
Equipment ID No. <u>2P52-A001</u> Equip. Class ¹ <u>21</u>
Equipment Description ESS AIR ECC
Location: Bldg. <u>Reactor</u> Floor El. <u>130</u> Room, Area <u>Torus Room, Bay 10</u>
Manufacturer, Model, Etc. (optional but recommended)
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 Y□ N⊠ of the 50% of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y⊠ N□ U□ N/A□
 5. Is the anchorage configuration consistent with plant documentation? Y□ N□ U□ N/A⊠ (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

⁴ Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 7

Status: YX NU U

Equipment ID No. 2P52-A001 Equip. Class ¹ 21	
Equipment Description ESS AIR ECC	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? The component support base-plate anchors are closely spaced to pipe support anchors (See Figure 4 for details). The SWE's have determined that the anchorage is still seismically acceptable with these closely spaced anchors. The component support contains four base-plates with four anchors each. The condition only affects one anchor on one of these plates.	YM NO UO
nteraction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YØ NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N⊡ U⊡ N/A⊡
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM NO UO
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? There is a ladder in close proximity to 2P52-A001 that is not tied off to prevent movement (See CR 518746). The SWE's have determined that any movement of the ladder during a seismic event would not damage 2P52-A001 or its attached piping. Due to the light weight of the ladder and the ruggedness of the component and the fact there are no sensitive components in proximity to the ladder that could be impacted. Therefore, the ladder will not adversely affect the safety function of the component.	YM NO UO

Sheet 3 of 7 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2P52-A001 Equip. Class¹ 21

Equipment Description ESS AIR ECC

<u>Comments</u> (Additional pages may be added as necessary)

None

Λ		
Evaluated by: John McFarland	Date:	09/17/2012
Jeff Horton Al Horton		09/17/2012
Contractor TIP		<u>UUITTEUTE</u>

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Sheet 4 of 7 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2P52-A001</u> Equip. Class¹ <u>21</u>

Equipment Description ESS AIR ECC

Photographs

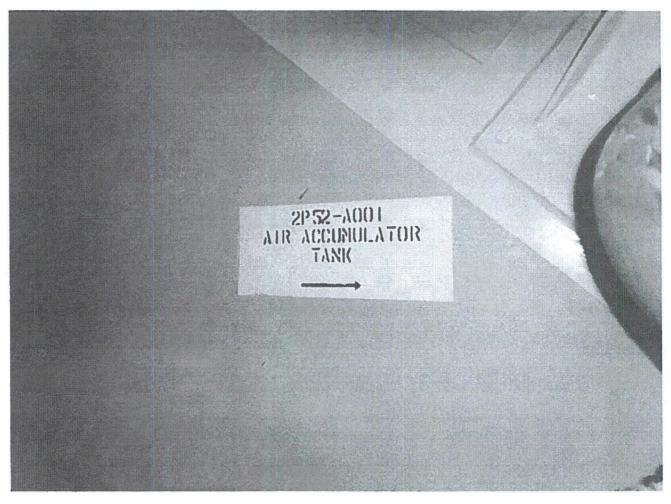


Figure 1 Equipment ID (2P52-A001)



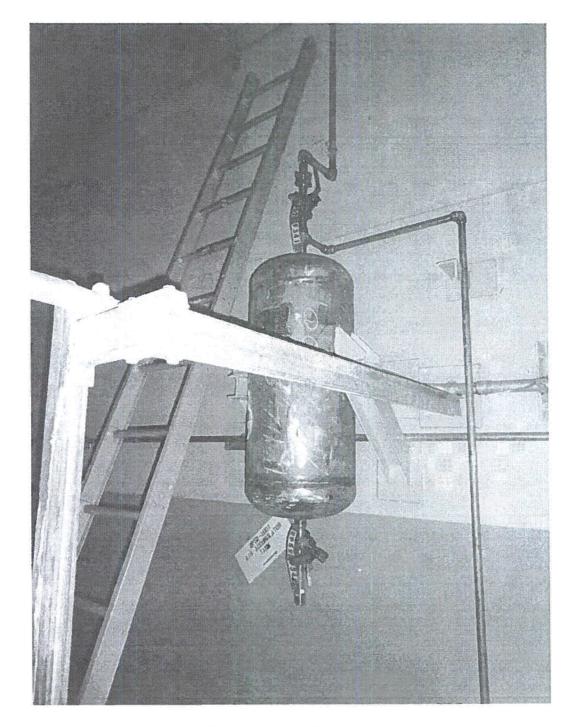


Figure 2 Actual Component



Sheet 6 of 7

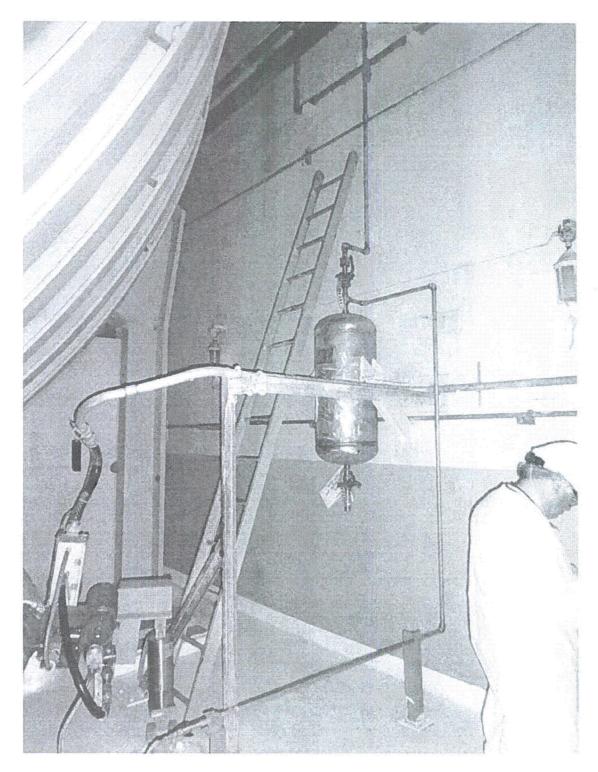


Figure 3 Untied Ladder in Proximity to the Component

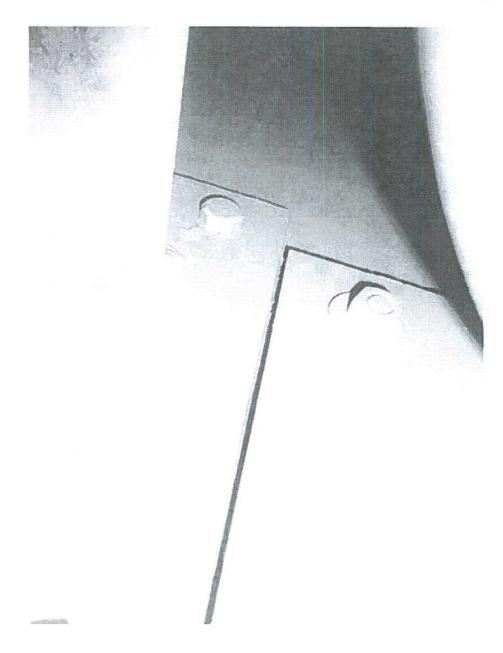


Figure 4 Closely spaced Anchor Bolts

ATTACHMENT 4

UNIT 2 - AREA WALK-BY CHECKLISTS (AWCs)

NO. SNCH082-RPT-02

A total of 45 Area Walk-bys have been completed. The Checklists are provided within this Attachment.

Sheet 1 of 3

Status: YX NU U

Area Walk-By Checklist (AWC)

Location: Bldg. <u>REACTOR</u> Floor El. <u>130</u> Room, Area¹ <u>107A</u>

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1.	Does anchorage of equipment in the area appear to be free of	
	potentially adverse seismic conditions (if visible without necessarily	
	opening cabinets)?	

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

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?

YX NO UO N/AO

4. Does it appear that the area is free of potentially adverse seismic spatial Y⊠ N□ U□ N/A□ interactions with other equipment in the area (e.g., ceiling tiles and lighting)?

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Sheet 2 of 3

Status: YX NU

Area	Walk-By	Checklis	t (AWC)

Location: Bldg. <u>REACTOR</u> Floor El. <u>130</u> Room, Area ¹ <u>107A</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	YX NO UO NAO
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N⊡ U⊡
<u>Comments (Additional pages may be added as necessary)</u> None.	
	and the second
Evaluated by: Juan Vizcaya	Date: 09/07/2012
Patrick Kelly	09/07/2012

Sheet 3 of 3

Status: YX N U

Area Walk-By Checklist (AWC)

Location: Bldg. <u>REACTOR</u> Floor El. <u>130</u> Room, Area¹ <u>107A</u>

Photographs

None.

Sheet 1 of 2

Status: YX NUU

	Area Walk-By	y Checklist (AWC)
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Location: Bldg. DIESEL Floor El. 130	Room, Area ¹ SWITCHGEAR ROOM 2E
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Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1.	Does anchorage of equipment in the area appear to be free of	
	potentially adverse seismic conditions (if visible without necessarily	
	opening cabinets)?	

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

- 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?
- 4. Does it appear that the area is free of potentially adverse seismic spatial Y⊠ N□ U□ N/A□ interactions with other equipment in the area (e.g., ceiling tiles and lighting)?

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Sheet 2 of 2

Status: YX N U

Area Walk-By Checklist (AWC)

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Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area ¹ <u>SWITCHGE</u>	AR ROOM 2E
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N⊡ U⊡ N/A⊡
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments (Additional pages may be added as necessary) None.	
Evaluated by: Juan Vizcaya	Date: 09/07/2012
Patrick Kelly	09/07/2012

Sheet 1 of 4

Status: YX NUU

Area Walk-By Checklist (AW

Location: Bldg. CONTROL Floor El. 130 Room, Area¹ 2L48-C34

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1.	Does anchorage of equipment in the area appear to be free of	
	potentially adverse seismic conditions (if visible without necessarily	
	opening cabinets)?	

- 2. Does anchorage of equipment in the area appear to be free of significant Y N N U N/A degraded conditions?
- 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?
- 4. Does it appear that the area is free of potentially adverse seismic spatial Y⊠ N□ U□ N/A□ interactions with other equipment in the area (e.g., ceiling tiles and lighting)?

¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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Status: YX NUU

rea Walk-By Checklist (AWC)	
Location: Bldg. <u>CONTROL</u> Floor El. <u>130</u> Room, Area ¹ <u>2L48-C34</u>	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	YX NO UO NAO
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? There are eight screws missing (six on the top and two on the bottom) on the front panel cover adjacent to Penetration 2Z43-H1002D (CR 519565). The remaining screws are judged sufficient to restrain the panel cover in the case of a seismic event. Therefore, there is no potentially adverse seismic condition.	YM NO UO
Comments (Additional pages may be added as necessary)	
None	
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Evaluated by: John McFarland	Date: 09/18/2012
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Status: $Y \boxtimes N \square U \square$

Area Walk-By Checklist (AWC)

Location: Bldg. <u>CONTROL</u> Floor El. <u>130</u> Room, Area¹ <u>2L48-C34</u>

Photographs

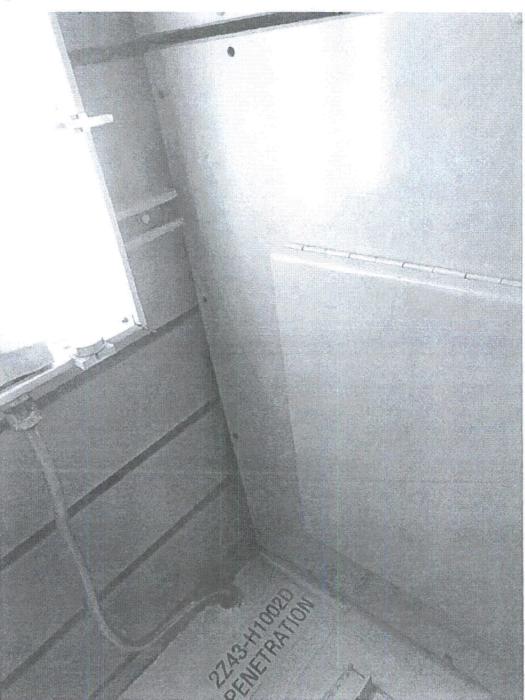


Figure 1 - Missing Screws at Top of Panel (2L48-C34)

