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Sheet 1 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2C41-C001B</u> Equip. Class ¹ <u>5</u>	
Equipment Description <u>SBLC INJECTION PUMP 2B</u>	
Location: Bldg. <u>REACTOR</u> Floor El. 203 Room, Area 2R414	
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 documentin	an item of equipment on the the results of judgments and g 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? Washers on equipment to pad connections are missing. An identical pump right next to this item has washers installed (SBLC Injection Pump 2B). The holes are not over-sized holes, i.e., the heads of the bolts engage for clamping purposes and the mounting surface of the equipment is flat. Therefore, this is judged to be not a seismic concern.	YØ NO UO N/AO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YM 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.) Anchorage was compared against drawing H-25503, Rev. 4.	Yon uo niao
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.

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Sheet 2 of 4
Status: YX N U
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Y⊠ N□ U□ N/A□
Y⊠ N⊟ U⊟
YX ND UD
the area, 2C41-A001.

Evaluated by: <u>KURSAT KINALI</u>	Kielout Kinalis	_ Date:	9/11/2012
WESLEY WILLIAMS	Wishigh - Willin	-	9/11/2012

Sheet 3 of 4 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2C41-C001B</u> Equip. Class¹ 5

Equipment Description SBLC INJECTION PUMP 2B





Sheet 4 of 4





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Sheet 1 of 3 Status: $Y \boxtimes N \square U \square$

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E41-C002-3</u> Equip. Class ¹ _5	
Equipment Description HPCI TURB AUX OIL PUMP	
Location: Bldg. <u>REACTOR</u> Floor El. <u>87</u> Room, Area <u>HPCI Room</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 findings. Additional space is provided at the end of this checklist for documenting the space of t	an item of equipment on the the results of judgments and g 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)?	YX N
2. Is the anchorage free of bent, broken, missing or loose hardware?	YX NO UO N/AO
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?	YM 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 was confirmed against Drawing H-25020 Version 7. 	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

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

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ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS	O. SNCH082-RPT-02, VERSION 1.0
	Sheet 2 of 3
Seismic Walkdown Checklist (SWC)	Status: Y⊠ N□ U□
Equipment ID No. 2E41-C002-3 Equip Clésel 5	
Equipment Description HPC/TUPE AUX OIL DUMP	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩
Equipment Description The Or Toris Abx OIL FOMP	n an
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structu	res? YX N UN/A
*	
 Are overhead equipment, distribution systems, ceiling tiles and 1 and masonry block walls not likely to collapse onto the equipme 	ighting, Y⊠ N□ U□ N/A□ nt?
9. Do attached lines have adequate flexibility to avoid damage?	YX NO UO N/AO
10. Pered on the above sciencia interaction and vations is achieved	
of potentially adverse seismic interaction effects?	
11 Have you looked for and found no other seismic conditions that	
adversely affect the safety functions of the equipment?	
a de la companya de l	
Comments (Additional pages may be added as necessary)	
Area walkby was performed within the package for 2E21-C001B	,
Evaluated by: KURSAT KINALI	Date: <u>9/24/2012</u>
1 / n / n / n / n / n / n / n / n / n /	2
WESLEY WILLIAMS	9/24/2012

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NO. SNCH082-RPT-02, VERSION 1.0

Sheet 3 of 3

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E41-C002-3</u> Equip. Class¹ 5

Equipment Description HPCI TURB AUX OIL PUMP





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Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E11-C001A</u> Equip. Class ¹ 6	
Equipment Description RHRSW PUMP 1A	
Location: Bldg. INTAKE Floor El. 111 Room, Area Pump 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 its SWEL. The space below each of the following questions may be used to record the re findings. Additional space is provided at the end of this checklist for documenting of	em of equipment on the esults of judgments and ner comments.
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one YE of the 50% of SWEL items requiring such verification)?	
2. Is the anchorage free of bent, broken, missing or loose hardware? Y	1 N UU N/AU
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ oxidation?	3 N UU N/AU
4. Is the anchorage free of visible cracks in the concrete near the anchors? $Y \boxtimes$	
 5. Is the anchorage configuration consistent with plant documentation? Y (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) The anchorage was compared against the vendor drawing S-60315 Version 8.0. 	3 N UUN/AU
6. Based on the above anchorage evaluations, is the anchorage free of Y potentially adverse seismic conditions?	

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

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Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2E11-C001A Equip. Class ¹ _6	
Equipment Description RHRSW PUMP 1A	
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 NO UO N/AO
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?	YX NO UO
Other Adverse Conditions	ninnun
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)	un na manana a <mark>unana</mark> pana kaomini finana kaominina dia kaominina di Ny faora dia kaominina dia ka
Note: For area walk-by see AWC for Intake El. 111', Pump Room	
1/2211.	aan da ahaa ahaa ahaa ahaa ahaa ahaa aha
Evaluated by: KURSAT KINALI	Date: <u>9/25/2012</u>
WESLEY WILLIAMS Wesley A. Willia	9/25/2012

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

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E11-C001A</u> Equip. Class¹ 6

Equipment Description RHRSW PUMP 1A





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Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E11-C001D</u> Equip. Class ¹ 6	
Equipment Description RHRSW PUMP 1D	N
Location: Bldg. INTAKE Floor El. 111 Room, Area Intake Pump	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 t	f an item of equipment on the the results of judgments and ng 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)?	YX 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?	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.) Anchorage was checked against Dwg. H-12211 Version 22.0, S-60315 and SQUG package dated 2/18/94.	YX NO UO N/AO
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.

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Seismic Walkdown Checklist (SWC)	Status: YX NL UL
Equipment ID No. <u>2E11-C001D</u> Equip. Class ¹ 6	
Equipment Description RHRSW PUMP 1D	
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 NO UO NAO
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?	YN NO UD
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YM NO UO
<u>Comments (Additional pages may be added as necessary)</u> Note: For area walk-by see AWC for Intake El. 111', Pump Room	
Evaluated by: <u>KURSAT KINALI</u> Kilon Killin <u>WESLEY WILLIAMS Weily A. William</u>	Date: <u>9/12/2012</u> <u>9/12/2012</u>

Sheet 3 of 3

Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E11-C001D</u> Equip. Class¹ 6

Equipment Description RHRSW PUMP 1D





Status: YX N U
Equipment ID No. <u>2P41-C001A</u> Equip. Class ¹ 6
Equipment Description <u>PSW PUMP 1A</u>
Location: Bldg. INTAKE Floor El. 111 Room, Area Pump 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
 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? YX N UN N/A
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation? Mild surface oxidation was observed but judged not to be a seismic
issue.
4. Is the anchorage free of visible cracks in the concrete near the anchors? $Y \boxtimes N \square U \square N/A \square$
 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.) Anchorage was compared against the Drawing H-4762 Rev. 8.
6. Based on the above anchorage evaluations, is the anchorage free of Y⊠ N□ U□ potentially adverse seismic conditions?

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

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Status: YX N		U
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Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-C001A</u> Equip. Class ¹ <u>6</u>	
Equipment Description PSW PUMP 1A	
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?	Y⊠ N⊡ U⊡ 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?	YN 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?	YM NO UO
<u>Comments</u> (Additional pages may be added as necessary) Note: For area walk-by see AWC for Intake El.111', Pump Room	
Evaluated by: KURSAT KINALI	Date: <u>9/25/2012</u>
WESLEY WILLIAMS Wesley H. Will	9/25/2012

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Seismic Walkdown Checklist (SWC)

Equipment ID No. 2P41-C001A Equip. Class¹ 6

Equipment Description PSW PUMP 1A





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	Sheet 1 of 3
Delevelo Malludover Obertuitat (OMO)	Status: YX N U
Seismic walkdown Gnecklist (SWC)	
Equipment ID No. <u>2P41-C001B</u> Equip. Class ¹ 6	
Equipment Description PSW PUMP 1B	
Location: Bldg. INTAKE Floor El. 111 Room, Area Pump 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	an item of equipment on the he results of judgments and g 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)?	
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?	YX NO UO N/AO
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N⊡ U⊡ N/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.) 	Y□ N□ U□ N/A⊠

YX ND UD 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.

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	Sheet 2 of 3 Status: YX N U
Seismic Walkdown Checklist (SWC)	i i i i i i i i i i i i i i Kanadali i i Kanadali i Kanadali
Equipment ID No. 2P41-C001B Equip. Class <u>6</u>	
Equipment Description, PSW PUMP 1B	
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?	
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 mulancia, kanana yana ina ani ani ana ana
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
<u>Comments</u> (Additional pages may be added as necessary) Note: For area walk-by see AWC for Intake El.111', Pump Room	nine pije - mini jege i pite - a ntere - antere
Evaluated by: WESLEY WILLIAMS July A. William	Date: <u>9/12/2012</u>
KURSAT KINALI Kimad Kindi	9/12/2012

NO. SNCH082-RPT-02, VERSION 1.0

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

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2P41-C001B</u> Equip. Class¹ 6

Equipment Description PSW PUMP 1B





Sheet 1 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-C002</u> Equip. Class ¹ _6	
Equipment Description PSW STANDBY PUMP 1B DIESEL	
Location: Bldg. INTAKE Floor El. 111 Room, Area Pump 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 findings.	an item of equipment on the the results of judgments and ng 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?	YX NO UO N/AO
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/AO
Mild surface corrosion was seen on bolts and at places where the grating interfaces with baseplate. This is judged not to be a seismic issue. A general CR has been initiated for this purpose (CR 516327).	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y N U N/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?	

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

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	Sheet 2 of 4
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-C002</u> Equip. Class ¹ <u>6</u>	
Equipment Description PSW STANDBY PUMP 1B DIESEL	Получини одна и слава и
Interaction Effects	ming the sense and we can set the second set of the set
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO NAO
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?	YX NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX ND UD
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> Note: For area walk-by see AWC for Intake El.111', Pump Room	an i Sangan yi dada ka mana ka mana ka mana ka mana yin i ka ka ka
Evaluated by: WESLEY WILLIAMS William	Date: <u>9/12/2012</u>
KURSATKINALI Kijkat Kundi	9/12/2012

Sheet 3 of 4 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2P41-C002</u> Equip. Class¹ 6

Equipment Description PSW STANDBY PUMP 1B DIESEL





Sheet 4 of 4





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Sheet 1 of 7

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2P41-F042A Equip. Class ¹ _7	
Equipment Description <u>RBSWS 2T41B001A CNTRL AOV</u>	
Location: Bldg. <u>REACTOR</u> Floor El. <u>109'-8"</u> Room, Area <u>SW Diagonal</u>	Room
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This shocklist may be used to decument the regults of the Seismin Welkdown of	on item of aquinment on the
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 og 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)? Inline Component	Y NX
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?	Yo no uo n/a
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.)	Yo no uo n/ao
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.

	Sheet 2 of 7
	Status: YX N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-F042A</u> Equip. Class ¹ _7	
Equipment Description RBSWS 2741B001A CNTRL AOV	en al an
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?	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?	
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 lot of surface corrosion on the cooling water pipe at the Valve location. This surface corrosion is likely due to condensation on the pipe surface. The condensation is caused by the lack of insulation on this cooling water pipe (See Figures 3 and 4). The SWE's have determined that this corrosion is mild and only affects the surface and will not have a significant effect on the seismic capacity of the pipe at this location.	

Comments (Additional pages may be added as necessary)

None

Seismic Walkdown Checklist (SWC)

Sheet 3 of 7

Status: YX N U

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Equipment ID No. 2P41-F042A Equip. Class ¹ 7		1
Equipment Description <u>RBSWS 2741B001A CNTRL AOV</u>		
Evaluated by: John McFarland	Date:	09/24/2012
Jeff Horton Altonor	1999 and 19	09/24/2012

Sheet 4 of 7 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2P41-F042A</u> Equip. Class¹ 7

Equipment Description RBSWS 2T41B001A CNTRL AOV

Photographs



Figure 1 Equipment ID: 2P41-F042A

Sheet 5 of 7



Figure 2 Picture of Component

Sheet 6 of 7



Figure 3: Surface Corrosion on Pipe at Valve

Sheet 7 of 7



Figure 4: Additional Surface Corrosion on Cooling Water Pipe near Valve Location

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Sheet 1 of 6

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2P41-F039A Equip. Class ¹ _7	and a second
Equipment Description RHR/CS R2T41-B003A CNTL VALVE	
Location: Bldg. REACTOR Floor El. 120 Room, Area NE Diagonal f	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 a SWEL. The space below each of the following questions may be used to record th findings. Additional space is provided at the end of this checklist for documenting	an item of equipment on the ne results of judgments and g 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)? Inline Component Air operated valve	Y□ N⊠
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?	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 U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

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

	Sheet 2 of 6
	Status: YX N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-F039A</u> Equip. Class ¹ _7	and the second
Equipment Description <u>RHR/CS R2T41-B003A CNTL VALVE</u>	
Interaction Effects	an Marana ang Panganan ang Panganan ang Panganan ng Panganan ng Panganan ng Panganan ng Panganan ng Panganan ng
7. Are soft targets free from impact by nearby equipment or structures? Valve Air operator is within approximately 3/8" of an overhead pipe's thermal insulation. The pipe that the valve is installed on is rigidly supported. Also, the pipe over the valve operator is rigidly supported. There will be little differential movement between the pipe and the valve operator. Therefore, the SWE's have determined that this configuration is seismically acceptable. This condition is also discussed in SEWS package 2P41-F039A, Dated 2/16/94 and found to be acceptable.	YA 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?	Y⊠ N⊡ U⊡ N/A⊡
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX ND UD
Other Adverse Conditions	ana da mananta da mananta ang kananta a
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NI UI

Comments (Additional pages may be added as necessary)

Area Walk-By performed for Component 2T41-N021A.

Sheet 3 of 6

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-F039A</u> Equip. Class ¹ _7	
Equipment Description RHR/CS R2T41-B003A CNTL VALVE	
Evaluated by: John McFarland	Date: 09/24/2012
Jeff Horton Jeff Horton	09/24/2012



Sheet 4 of 6

Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2P41-F039A Equip. Class¹ 7

Equipment Description RHR/CS R2T41-B003A CNTL VALVE

Photographs



Figure 1 Component ID: 2P41-F039



Figure 2 Picture Showing Distance between Operator and Pipe

Sheet 6 of 6



Figure 3 Picture Showing Clearance between Operator and Pipe Other Side

Sheet 1 of 6

Status: YX NUU

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-F035B</u> Equip. Class ¹ 7	
Equipment Description RBSWS 2T41B005B CNTL AOV	
Location: Bldg. <u>REACTOR</u> Floor El. <u>96</u> Room, Area <u>Unit 2 HPCI</u>	Room Cooler Platform
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 documentin	an item of equipment on the the results of judgments and ng 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? Equipment is line-mounted, so it does not have anchorage.	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?	
 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?	YM NO UO

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

	Sheet 2 of 6
	Status: YX N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2P41-F035B</u> Equip. Class ¹ 7	ande and ander binde and a subject to the second of the
Equipment Description RBSWS 2741B005B CNTL AOV	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? The valve operator is touching the insulation of an adjacent ³ / ₄ " pipe. There is sufficient space between the actual pipe and the valve actuator to preclude contact between them. During a seismic event, it is judged that, due to the pipe supports in the area and the presence of the insulation, the contact between the valve and the pipe will not be significant and is therefore not a potentially adverse seismic condition.	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?	YX NO UO NAO
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?	
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 mild surface oxidation on the attachment bolts between the valve bonnet and the valve body. Since oxidation is only on the surface, the bolts are not degraded. Therefore, judged not to be a concern.	
Comments (Additional pages may be added as necessary)	
None	
<i>A</i>	

Evaluated by: John McFarland

Jeff Horton

Date: 09/11/2012

09/11/2012

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NO. SNCH082-RPT-02, VERSION 1.0

 Sheet 3 of 6

 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2P41-F035B</u> Equip. Class¹ 7

Equipment Description RBSWS 2741B005B CNTL AOV

Photographs



Figure 1 – Equipment ID No (2P41-F035B)

Sheet 4 of 6



Figure 2 - Equipment Elevation (2P41-F035B)

Sheet 5 of 6



Figure 3 - Contact between Valve and Pipe (2P41-F035B)

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Sheet 6 of 6



Figure 4 - Connection Bolt Oxidation (2P41-F035B)

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2741-F004A Equip. Class ¹ 7	
Equipment Description SPT FL PL TO REF FL AOV	
Location: Bldg. <u>CONTROL</u> Floor El. <u>203</u> Room, Area <u>RH-R15</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	an a
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	an item of equipment on the the results of judgments and ng 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? Equipment is line-mounted equipment, so it does not have anchorage.	Y□ N□ U□ N/A⊠
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Ÿ□ N□ Ü□ N/A⊠
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.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

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

Seismic Walkdown Checklist (SWC)	
Equipment ID No. 2741-F004A Equip. Class ¹ _7	
Equipment Description SPT FL PL TO REF FL AOV	ะสาวและการแนะการแห่งการสะเทศ เหาะการและการรับและการรับสาขางสาขาย การและ
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?	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	angnangnangnanganggeg_ nangge nanggenangge
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Mild surface oxidation present on flange bolts. Since oxidation is only on the surface, the bolts are not degraded. Therefore, the bolts are judged not to be a seismic concern.	Y⊠ N∏ U∏
Comments (Additional pages may be added as necessary)	• • • •
See Component 2G41-F054 for Area Walk-by Checklist.	
Evaluated by: John McFarland	Date: 09/25/2012
Jeff Horton Jeff Anton	09/25/2012

NO. SNCH082-RPT-02, VERSION 1.0 Sheet 3 of 5 Status: YX NU

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2741-F004A Equip. Class¹_7

Equipment Description SPT FL PL TO REF FL AOV



Figure 1 – Equipment ID No (2T41-F004A)

Sheet 4 of 5



Figure 2 - Equipment Elevation (2T41-F004A)



Figure 3 - Mild Oxidation on Flange Bolts (2T41-F004A)

- 11

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Sheet 1 of 3

Roismia Walkdown Chooklist (SWC)	Status: YX NUU	
Equipment ID No. <u>2140-rouse</u> Equip Class 7		
Equipment Description <u>SBGT RF 18"150# BF AOV</u>		
Location: Bldg. <u>REACTOR</u> Floor El. 203 Room, Area <u>SBGT Filter 1</u>	rain 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)? <i>Inline item</i> .	Y□ N⊠	
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?	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□ U□ N/A⊠	
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.

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	Sheet 2 of 3
Seismic Walkdown Checklist (SWC)	Status: Y⊠ N□ U□
Equipment ID No. 2140-F003B Equip. Class ¹ 7	
Equipment Description SBGT RF 18 150# BF AOV	, , , , , , , , , , , , , , , , , , ,
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, cailing 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?	
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)	
Nоле.	
Evaluated hun KUPSAT KINALL LA ALL.	Date: 0/11/2012
Evaluated by: KURSAT KIIVALI	Date: <u>9/11/2012</u>
WESLEY WILLIAMS Wesley to William	9/11/2012
////	an a

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

NO. SNCH082-RPT-02, VERSION 1.0

Sheet 3 of 3 Status: YX N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2746-F003B Equip. Class¹ 7

Equipment Description SBGT RF 18"150# BF AOV



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Sheet 1 of 4 Status: $Y \boxtimes N \square U \square$

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E41-F004</u> Equip. Class ¹ <u>8</u>	արցած որույնը, որուղը, որուրը, ու մին - որ ջինի լեն, որույնը, որույնը, որույնը, որույնը, որույնը, որույնը, որո
Equipment Description HPCI PUMP SUCTION FROM CST (MOV)	
Location: Bldg. <u>REACTOR</u> Floor El. <u>87</u> Room, Area <u>HPCI Room</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 the findings. Additional space is provided at the end of this checklist for documenting the space of the space	an item of equipment on the the results of judgments and g 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)? <i>Inline Item</i>	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?	Yo no uo n/ax
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yo no uo n/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.) 	Y N U N/A
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.

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	Sheet 2 of 4
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E41-F004</u> Equip. Class ¹ _8	
Equipment Description HPCI PUMP SUCTION FROM CST (MOV)	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ Ü□ 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□ 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
Comments (Additional pages may be added as necessary)	an geochaine i stan an a
Area walkby was performed within the package for 2E21-C001B.	
<u> </u>	
Evaluated by: KURSAT KINALI Kingh	Date: <u>9/24/2012</u>
WESLEY WILLIAMS Wesley & helle	9/24/2012

Sheet 3 of 4 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E41-F004</u> Equip. Class¹ 8

Equipment Description HPCI PUMP SUCTION FROM CST (MOV)

Photographs

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Sheet 4 of 4



	Sheet 1 of 4
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2E41-F001</u> Equip. Class ¹ 8	
Equipment Description HPCI TURBINE STEAM SUPPLY VLV (MOV)	
Location: Bldg. <u>REACTOR</u> Floor El. <u>87</u> Room, Area <u>HPCI Room</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	an bar han an san an a
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	an item of equipment on the he results of judgments and g 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)? <i>Inline item.</i>	Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y N 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/AØ
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?	YM NO UO

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

Seismic Walkdown Checklist (SWC)	Sheet 2 of 4	
	Status: Y⊠ N∐ U∐	
Equipment ID No. <u>2E41-F001</u> Equip. Class ¹ _8		
Equipment Description HPCI TURBINE STEAM SUPPLY VLV (MOV)		
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structures? The overhead crane was evaluated during SQUG walkdowns for the item in this room (2E41-C002) and found to be seismically adequate.	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?	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?	Y⊠ N⊟ U⊟	
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□	
<u>Comments</u> (Additional pages may be added as necessary)		
Area waikby was performed within the package for 2E21-C001B.		
Evaluated by: KURSAT KINALI	Date: <u>9/24/2012</u>	
WESLEY WILLIAMS Wesley f- Willin	9/24/2012	

Sheet 3 of 4 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>2E41-F001</u> Equip. Class¹ 8

Equipment Description <u>HPCI TURBINE STEAM SUPPLY VLV (MOV)</u>





Sheet 4 of 4



Sheet 1 of 3

Seismic Walkdown Checklist (SWC)	Status: YX N U
Equipment ID No. 2P41-F315A Equip. Class ¹ _8	
Equipment Description PSW RX BLDG DIV 1 ISOL VLV A	
Location: Bldg. YARD Floor El. 117 Room, Area Unit 2 Div. 1	pit
Manufacturer, Model, Etc. (optional but recommended)	ng finde men and demonstration of the second de
Instructions for Completing Checklist	n - 190 m - 190
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 the findings. Additional space is provided at the end of this checklist for documenting the space of the space	an item of equipment on the the results of judgments and g 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)? <i>Inline item.</i>	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?	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 U V N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

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

	Sheet 2 of 3
Seismic Walkdown Checklist (SWC)	Status: Y⊠ N[_] U[_]
Equipment ID No. <u>2P41-F315A</u> Equip. Class ¹ 8	
Equipment Description PSW RX BLDG DIV 1 ISOL VLV A	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y N 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?	YX NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
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)	
Surface corrosion was observed on the pipe flange however this is judge seismic condition by the SWEs.	d as not a potentially adverse
Evaluated by: KURSAT KINALI	Date: <u>9/27/2012</u>
JOHN MCFARLAND	9/27/2012

Sheet 3 of 3 Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2P41-F315A Equip. Class¹ 8

Equipment Description PSW RX BLDG DIV 1 ISOL VLV A







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Sheet 1 of 3

Status: YX N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>2R43-F042A</u> Equip. Class ¹ 8	ananya shadi sada sada sada sada sada sada sada s
Equipment Description DIESEL AIR START SOLENOID VLV	
Location: Bldg. <u>DIESEL</u> Floor El. <u>130</u> Room, Area <u>2A</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 findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and g 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)? <i>INLINE ITEM</i>	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?	Y NI UI N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y N U N/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.) 	Yo no uo n/aø
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM NO UO

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

	Sheet 2 of 3
Seismic Walkdown Checklist (SWC)	Status: YX N U
Equipment ID No. <u>2R43-F042A</u> Equip. Class ¹ 8	1971 - 1977 - 1977 - 1978 - 1993 - 1993 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 -
Equipment Description DIESEL AIR START SOLENOID VLV	· · · · · · · · · · · · · · · · · · ·
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?	
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?	YX 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?	YM NO UO
Comments (Additional pages may be added as pecessary)	
Area walk by was performed with item 2R43-S001A.	
· · · · · · · · · · · · · · · · · · ·	
Evaluated by: Kursat Kinali	Date: <u>9/7/2012</u>
Wesley Williams Wesley f. Williams	9/7/2012

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

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2R43-F042A Equip. Class¹ 8

Equipment Description DIESEL AIR START SOLENOID VLV





	Sheet 1 of 7		
Seiemie Malalkaleum Obeekliet (SIA(C)	Status: YX NX U		
	John 10/26/12		
Equipment ID No. <u>2E11-F004A</u> Equip. Class ¹ 8			
Equipment Description <u>Torus Suction Valve (MOV)</u>	หม่องกับเรื่องจากการและและและและและและและและและและและและและแ		
Location: Bldg. <u>REACTOR</u> Floor El. <u>87</u> Room, Area <u>NE Diagonal</u>	ne se anne i lanne, anne a lanne a la nne a lanne a lanne		
Manufacturer, Model, Etc. (optional but recommended)	1997 - Marine Marine, - Marine - Marine 1997 - Marine - Marine Marine -		
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? This equipment is an inline component, so there is no anchorage.	YD ND UD N/AØ		
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?	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.)			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO		

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

	Sheet 2 of 7
Spienzie Malkderum Chaekliet (SIAIC)	Status: YX NX U
Equipment ID No. <u>2E11-F004A</u> Equip. Class ¹ <u>8</u>	
Equipment Description <u>Torus Suction Valve (MOV)</u>	- tor to
Interaction Effects	19th 10166/12
7. Are soft targets free from impact by nearby equipment or structures? The operator for the valve is seated on the grating above the valve support with between 0" and 1" of space along the valve edge (CR 525108). Any seismic movement of the valve operator will cause. impact between the motor operator and the platform grating (See Figures 1, 2, and 3). The grating is considered flexible compared to the valve operator and valve stem. So damage of the valve is unlikely. But having safety related valve operators this close to building structures is no seismically acceptable. Therefore, removal of the grating such that a minimum of 1" spacing is clear around the surface of the operator	YX NX UO N/AO
 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, 	
and masonry block walls not likely to collapse onto the equipment? The tube track supporting one of the flex conduits attached to the valve has four holes for screws at the edge of the tube track that do not have screws in them. It appears that the holes were for a section of track that was later removed or never installed, so there are no missing screws. The track is adequately supported, so there is no potentially adverse seismic condition.	
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?	YX 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?	
<u>Comments</u> (Additional pages may be added as necessary)	
None	
Evaluated by: John McFarland	_ Date: 09/24/2012
Jeff Horton Juff Horton	09/24/2012

	Sheet 3 of 7
	Status: YX NX U
Seismic Walkdown Checklist (SWC)	QHH 10/26/17,
Equipment ID No. <u>2E11-F004A</u> Equip. Class ¹ 8	
Equipment Description Torus Suction Valve (MOV)	

Photographs



Figure 1 – Equipment ID No (2E11-F004A)

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

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Figure 2 – Equipment Elevation (2E11-F004A)



Figure 3 - Spacing Between Valve Operator and Grating (2E11-F004A)



Figure 4 - Spacing Between Valve Operator and Grating (2E11-F004A)

ATTACHMENT 3: SEISMIC WALKDOWN CHECKLISTS

NO. SNCH082-RPT-02, VERSION 1.0

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Figure 5 - Empty Tube Track Holes (2E11-F004A)