Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4 Seismic Walkdown Checklist (SWC) <u>SWC- 53</u>	Status: Y⊠ N⊟ U⊟
Equipment ID No. <u>LT-1183</u> Equip. Class <u>18, INSTRUMENT R</u>	ACKS
Equipment Description EMGY FEEDWATER STORAGE TNK FW-19 LEVEL	TRANSMITTER
Location: Bldg. AUX Floor El. 1039' Room, Area 81, 18W'C-	13N'3A
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	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?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 53</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-1183</u> Equip. Class ² 18, INSTRUMENT R	RACKS
Equipment Description EMGY FEEDWATER STORAGE TNK FW-19 LEVEL	TRANSMITTER
 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.) The anchorage configuration is consistent with C-4467, Sh. 1, Rev. 1 (File# 64132) and C-4467, Sh. 2, Rev. 0 (File# 64133). 	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

 $^{^{\}rm 2}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 3 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 53</u>	Status: Y⊠ N□ U□	
Equipment ID No. LT-1183 Equip. Class3 18, INSTRUMEN	T RACKS	
Equipment Description EMGY FEEDWATER STORAGE TNK FW-19 LEV	EL TRANSMITTER	
Other Adverse Conditions		
Have you looked for and found no other seismic conditions that coul adversely affect the safety functions of the equipment?	d Y⊠ N□ U□	
Comments (Additional pages may be added as necessary)		
Evaluated by: John Kao	Date: <u>8/18/2012</u>	
Alex Smerch the	8/18/2012	

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	=
Seismic Walkdown Checklist (SWC) SWC- 5	Status: Y N U
Equipment ID No. LT-1183 Equip. Cla	ass4_18, INSTRUMENT RACKS
Equipment Description EMGY FEEDWATER STORA	AGE TNK FW-19 LEVEL TRANSMITTER
Photographs	
Note: Equipment.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4 Seismic Walkdown Checklist (SWC) <u>SWC- 54</u>	Status: Y⊠ N⊟ U⊟
Equipment ID No. B/LT-911 Equip. Class ¹ _18, INSTRUME!	NT RACKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEV	EL TRANSMITTER
Location: Bldg. CONT Floor El. 1011' Room, Area CONT,	15W'CC-3N'I
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for document	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 54</u>	Status: Y⊠ N□ U□
Equipment ID No. B/LT-911 Equip. Class ² 18, INSTRUMENT R	VVCKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVEL T	
 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?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
7. The 30t targets need from impact by nearby equipment of structures.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? There is a cable tray above which is adequately braced and not a credible source for seismic interaction.	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of notentially adverse seismic interaction effects?	Y⊠ N∏ U∏

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 54</u>	
Equipment ID No. <u>B/LT-911</u> Equip. Class3 <u>18, INSTRUME</u>	NT RACKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEV	EL TRANSMITTER
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch like line	Date: <u>8/27/12</u>
Evaluated by: Alex Smerch blue barries Bessell Lin Burl	8/27/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC) SWC-	Status: Y N U
Equipment ID No. B/LT-911 Equip. Cla	ass ⁴ 18, INSTRUMENT RACKS
Equipment Description STEAM GENERATOR RC-2/	A WIDE RANGE LEVEL TRANSMITTER
Photographs	
Note: Equipment.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 55</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>B/PT-913</u> Equip. Class¹ 18, INSTRUMENT	RACKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESS	SURE TRANSMITTER
Location: Bldg. CONT Floor El. 1002' Room, Area CONT, 15	W'CC-3N'I
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	rd 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)?	e Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

 $^{^{\}mbox{\tiny 1}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 55</u>	
Equipment ID No. <u>B/PT-913</u> Equip. Class ² 18, INSTRUMENT F	RACKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESSU	IRE TRANSMITTER
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?	Y⊠ N□ U□
Internation Effects	
Interaction Effects7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 55</u>	
Equipment ID No. <u>B/PT-913</u> Equip. Class3 <u>18, INSTRUME</u>	NT RACKS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRE	SSURE TRANSMITTER
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch the Bank	Date: <u>8/27/12</u>
Kevin Bessell Li-Bal	8/27/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC)SWC-	Status: Y⊠ N□ U□
Equipment ID No. B/PT-913 Equip. (
Equipment Description STEAM GENERATOR RC-	ZA WIDE RANGE PRESSURE TRANSMITTER
Photographs	
Note: Equipment.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	•
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 56</u>	
Equipment ID No. A/PT-120 Equip. Class ¹ 18, INSTRUMEN	IT RACKS
Equipment Description PRESSURIZER RC-4 PRESSURE TRANSMITTER	₹
Location: Bldg. CONT Floor El. 1018' Room, Area CONT,	18W'DD-12N'II
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for document	cord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)? 	one Y∐ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
	Status: Y⊠ N□ U□
Seismic Wałkdown Checklist (SWC) <u>SWC- 56</u>	
Equipment ID No. A/PT-120 Equip. Class ² 18, INSTRUMENT R	ACKS
Equipment Description PRESSURIZER RC-4 PRESSURE TRANSMITTER	
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

 $^{^{2}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 3 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 56</u>	Status: Y⊠ N□ U□	
Equipment ID No. A/PT-120 Equip. Class ³ 18, INSTRUME	NT DACKS	
Equipment Description PRESSURIZER RC-4 PRESSURE TRANSMITTE	.K	
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□	
Comments (Additional pages may be added as necessary)		
Evaluated by: John Kao	Date: 8/22/2012	
Alex Smerchille home	8/22/2012	

 $^{^{3}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC) SWC-	Status: Y⊠ N□ U□
Equipment ID No. A/PT-120 Equip. C	
Equipment Description PRESSURIZER RC-4 PRES	
Photographs	
Note: Equipment	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 57</u>	
Equipment ID No. PI-2855-1 Equip. Class ¹ 18, INSTRUMENT	RACKS
Equipment Description RAW WATER PUMP AC-10B DISCHARGE PRESS	URE INDICATOR
Location: Bldg. INTAKE Floor El. 998' Room, Area INTAKE,	16W'BB-10N'103
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	rd the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item on of the 50% of SWEL items requiring such verification)? 	e Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORI
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWC- 57	Status: Y⊠ N□ U□
· · · · · · · · · · · · · · · · · · ·	
Equipment ID No. PI-2855-1 Equip. Class ² 18, INSTRUMENT	RACKS
Equipment Description RAW WATER PUMP AC-10B DISCHARGE PRESSI	URE INDICATOR
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.) Needs plant documentation. See sketch in photo section below. Licensing Basis Evaluation is required.	Y□ N⊠ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Interaction Effects	
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? Light bulbs that could break and fall could have impact on indicator gauge. CR 2012-10629 has been initiated.	, Y□ N⊠ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y□ N⊠ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 57	
Equipment ID No. PI-2855-1 Equip. Class3 18, INSTRUME	ENT RACKS
Equipment Description RAW WATER PUMP AC-10B DISCHARGE PRE	SSURE INDICATOR
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Plus lines	Date: 8/17/12
Evaluated by: Alex Smerch illu long	<u>8/17/12</u>

 $^{^{\}rm 3}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

Elevation View

Note: Anchor bolt sketch.

Seismic Walkdown Checklist (SWC) SWC- 57

Equipment ID No. PI-2855-1 Equip. Class4 18, INSTRUMENT RACKS

Equipment Description RAW WATER PUMP AC-10B DISCHARGE PRESSURE INDICATOR

Photographs

Photographs

Note: Equipment.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC-5</u>	Status: Y⊠ N□ U□
Equipment ID No. PI-2855-1 Equip. Cla	ass ⁵ _18, INSTRUMENT RACKS
Equipment Description RAW WATER PUMP AC-108	B DISCHARGE PRESSURE INDICATOR
Note: Light fixture's bulbs that could impact indicator.	Note:

 $^{^{5}\,\}mathrm{Enter}$ the equipment class $\underline{\mathrm{name}}$ from Appendix B: Classes of Equipment.

Sı	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 58</u>	
Equipment ID No. NI-001-DA1 Equip. Class 20, INSTRUMENT	TATION AND CONTROL PANELS
Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX MC	ONITORING
Location: Bldg. AUX Floor El. 1013' Room, Area 57, Al-212	2
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item or of the 50% of SWEL items requiring such verification)? 	ne Y⊠ N⊡
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Se	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5		
Seismic Walkdown Checklist (SWC)	SWC- 58	Status: Y⊠ N⊡ U⊡
Equipment ID No. NI-001-DA1	Equip. Class ² <u>20, INSTRUMENT</u> PANELS	TATION AND CONTROL
Equipment Description INSTRUMENT MC	DDULE FOR NUETRON FLUX MO	NITORING
 Is the anchorage configuration cons (Note: This question only applies if it an anchorage configuration verifical Needs plant documentation to verify Licensing Basis Evaluation is requir 	the item is one of the 50% for whic tion is required.) . See sketch in photos section.	Y□ N⊠ U□ N/A□ h
Based on the above anchorage evaluation potentially adverse seismic condition		Y□ N⊠ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution and masonry block walls not likely to		g, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction of potentially adverse seismic interaction.		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N☐ U☐
Seismic Walkdown Checklist (SWC) <u>SWC- 58</u>	
Equipment ID No. NI-001-DA1 Equip. Class3 20, INSTRUME PANELS	ENTATION AND CONTROL
Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX	MONITORING
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cound adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch blue	Date: <u>8/16/12</u>
Evaluated by: Alex Smerch blue loss	8/16/12

 $^{^{3}% = 10^{10}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) __SWC- 58_

Equipment ID No. NI-001-DA1 Equip. Class4 20, INSTRUMENTATION AND CONTROL

PANELS

Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX MONITORING

Photographs



Note: Bottom view of Equipment



Note: Side view of equipment mounting bracket

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) _	Status: Y⊠ N⊡ U⊡
	Equip. Classs 20, INSTRUMENTATION AND CONTROL PANELS
Equipment Description INSTRUMENT MOI	DDULE FOR NUETRON FLUX MONITORING
2 Vertical Rows of 1/4" Screws Plan View Note: Plan sketch of equipment and mounting brackets showing mounting screws.	Note:

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>	
Equipment ID No. AC-1A Equip. Class ¹ 21, TANKS AND F	IEAT EXCHANGERS
Equipment Description COMPONENT COOLING HEAT EXCHANGER	
Location: Bldg. AUX Floor El. 994' Room, Area 4, 6W'D-	18N'5B
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to receindings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)?	ne 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□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>	
Equipment ID No. AC-1A Equip. Class ² 21, TANKS AND HEA	AT EXCHANGERS
Equipment Description COMPONENT COOLING HEAT EXCHANGER	
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.) The anchorage configuration is consistent with drawing 11405-S-70, Rev. 7 (File# 16455) and L-26132-1, Rev. 9 (File# 18674).	Y⊠ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Large heat exchanger not soft target. 	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	1 - /
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>	
Equipment ID No. AC-1A Equip. Class ³ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description COMPONENT COOLING HEAT EXCHANGER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/20/2012
Alex Smerch Plus American	8/20/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-1A Equip. Class4 21, T	ANKS AND HEAT EXCHANGERS
Equipment Description COMPONENT COOLING HEAT EXCH	HANGER
Photographs	
Note: Equipment (large heat exchanger). Note	:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST F	ORI
Sheet 1 of 5	
Status: Y⊠ N⊡ U	
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	
Equipment ID No. <u>AC-4B</u> Equip. Class¹ <u>21, TANKS AND HEAT EXCHANGERS</u>	
Equipment Description SHUTDOWN COOLING HEATER EXCHANGER	
Location: Bldg. AUX Floor El. 994' Room, Area 15, 13W'E-17S'7A	
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 th SWEL. The space below each of the following questions may be used to record the results of judgments an 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? The concrete beneath the anchor bolts has been removed and the anchor bolts have possibly been cut as well. CR 2012-11039 has been initiated. 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□ anchors?	
Large pieces of conrete have been removed on all 4 corners of the heat exchanger negating their mechanical anchorage capabilities. CR 2012-11039 has been initiated.	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-4B Equip. Class ² 21, TANKS AND HE	AT EXCHANGERS
Equipment Description SHUTDOWN COOLING HEATER EXCHANGER	
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.) The drawing used for anchorage configuration is 11405-S-70, Rev. 7 (File# 16455) and L-26133, Rev. 2 (File# 18676). There are added welded supports shown in picture below that differ from plant	Y□ N⊠ U□ N/A□
configuration drawings. Licensing Basis Evaluation is required.6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Internation Effects	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Not a soft target	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	
Equipment ID No. <u>AC-4B</u> Equip. Class3 <u>21, TANKS ANI</u>	D HEAT EXCHANGERS
Equipment Description SHUTDOWN COOLING HEATER EXCHANGER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/21/12</u>
Alex Smerch blue home	8/21/12

 $^{^{\}rm 3}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

Seismic Walkdown Checklist Form

Sheet 4 of 5

Status: Y N U

Seismic Walkdown Checklist (SWC) SWC- 60

Equipment ID No. AC-4B Equip. Class4 21, TANKS AND HEAT EXCHANGERS

Equipment Description SHUTDOWN COOLING HEATER EXCHANGER

Photographs



Note: Degraded concrete and either missing or short bolts.



Note: Degraded concrete and either missing or short bolts.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 5 of 5	
Sciemic Walkdown Checklist (SWC) SWC 6	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 6	<u> </u>
Equipment ID No. <u>AC-4B</u> Equip. Cla	ss ⁵ 21, TANKS AND HEAT EXCHANGERS
Equipment Description SHUTDOWN COOLING HEAT	TER EXCHANGER
Heat Exchanger To Botts CLAN (not to scale)	
Note: Heat Exchanger support modification bolt mounting. (Additional to what is shown in original vendor documentation.)	Note:

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Sı	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	
Equipment ID No. AC-8 Equip. Class 21, TANKS AND H	IEAT EXCHANGERS
Equipment Description SPENT FUEL POOL HEAT EXCHANGER	
Location: Bldg. AUX Floor El. 995' Room, Area 5, 9W'R-0	N'5C
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to rece findings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item or of the 50% of SWEL items requiring such verification)? 	ne Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	
Equipment ID No. AC-8 Equip. Class ² 21, TANKS AND HEA	AT EXCHANGERS
Equipment Description SPENT FUEL POOL HEAT EXCHANGER	
 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?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	
Equipment ID No. AC-8 Equip. Class ³ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description SPENT FUEL POOL HEAT EXCHANGER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch blue loss	Date: 8/20/12
John Kao	8/20/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 61	
Equipment ID No. AC-8 Equip. Class4 21, TANKS AND	D HEAT EXCHANGERS
Equipment Description SPENT FUEL POOL HEAT EXCHANGER	
Photographs	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	
Equipment ID No. FO-2-2 Equip. Class ¹ 21, TANKS AND H	EAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
Location: Bldg. AUX Floor El. 1017' Room, Area 64, 7E'K-1	S'2B
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to recording. Additional space is provided at the end of this checklist for document	d 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)?	e Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	Status: Y⊠ N□ U□
Equipment ID No. FO-2-2 Equip. Class ² 21, TANKS AND HE	AT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
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.) The anchorage is consistent with drawing B120D06002, Sh. 1, Rev. 5 (File# 17382) and 370 (File# 18080).	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	
Equipment ID No. FO-2-2 Equip. Class ₃ 21, TANKS ANI	D HEAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Me Los	Date: <u>8/15/2012</u>
John Kao	8/15/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	
Equipment ID No. FO-2-2 Equip. Class4 21, TANKS AN	ND HEAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
Photographs	
Note: Equipment. Note:	
Note: Equipment.	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
O TO TO MAIL TO THE ALL TO MAIL TO THE ALL THE ALL TO THE ALL THE ALL THE ALL	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 63</u>		
Equipment ID No. FW-19 Equip. Class ¹ 21, TANKS AND F	HEAT EXCHANGERS	
Equipment Description EMERGENCY FEEDWATER STORAGE TANK		
Location: Bldg. AUX Floor El. 1045' Room, Area 81, 12'W	C-3N'3A	
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 of of the 50% of SWEL items requiring such verification)?	ne Y⊠ N□	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
O I WANTE TO BE A PER COMO. CO	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 63</u>	
Equipment ID No. FW-19 Equip. Class ² 21, TANKS AND HEA	AT EXCHANGERS
Equipment Description EMERGENCY FEEDWATER STORAGE TANK	
 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.) The anchorage configuration is consistent with drawing 80048, Rev. 8 (File# 2377). 	Y⊠ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 63</u>	Status: Y⊠ N□ U□
Equipment ID No. FW-19 Equip. Class ³ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description EMERGENCY FEEDWATER STORAGE TANK	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	d Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/18/2012
Alex Smerch blue	8/18/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC)SWC- 63_	Status: Y⊠ N□ U□
Equipment ID No. FW-19 Equip. Class ⁴ 21, TANKS ANI	D HEAT EXCHANGERS
Equipment Description EMERGENCY FEEDWATER STORAGE TANK	
Photographs	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 64</u>		
Equipment ID No. LO-32-2 Equip. Class ¹ 21, TANKS AND HE	AT EXCHANGERS	
Equipment Description D2 LUBE OIL COOLER		
Location: Bldg. AUX Floor El. 1013' Room, Area 64, 1E'K-7S	1 ² 2B	
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□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 64</u>	
Equipment ID No. LO-32-2 Equip. Class ² 21, TANKS AND F	HEAT EXCHANGERS
Equipment Description D2 LUBE OIL COOLER	<u></u> _
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whic an anchorage configuration verification is required.) 	Y□ N□ U□ N/A⊠ h
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	ı, 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 notentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 64</u>	
Equipment ID No. LO-32-2 Equip. Class ³ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description D2 LUBE OIL COOLER	<u> </u>
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that coul adversely affect the safety functions of the equipment?	id Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch the Land	Date: 8/15/2012
John Kao	8/15/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)SWC- 64_	
Equipment ID No. LO-32-2 Equip. Class ⁴ 21, TANKS AI	ND HEAT EXCHANGERS
Equipment Description D2 LUBE OIL COOLER	
Photographs	
Note: Equipment.	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 65</u>		
Equipment ID No. <u>AC-100</u> Equip. Class¹ <u>8, MOTOR-OPER OPERATED VALVES</u>	RATED AND SOLENOID-	
Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION	VALVE	
Location: Bldg. <u>AUX</u> Floor El. <u>1027'</u> Room, Area <u>69, 0W'N</u>	'-17N'7A	
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 of of the 50% of SWEL items requiring such verification)? In- Line Valve 	ne Y□ N⊠	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 65	Status: Y⊠ N□ U□
Equipment ID No. AC-100	Equip. Class ² <u>8, MOTOR-OPERATOPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description COMP COOLING	WATER PUMP AC-3A SUCTION VA	ALVE
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	the item is one of the 50% for which	Y□ N□ U□ N/A⊠
 Based on the above anchorage eva potentially adverse seismic condition N/A inline Valve. 		Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distributio and masonry block walls not likely to		Y⊠ N□ U□ N/A□
Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction of potentially adverse seismic interaction.		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 65</u>	
Equipment ID No. <u>AC-100</u> Equip. Class3_8, <u>MOTOR-OPLOPERATED VALVES</u>	ERATED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION	DN VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerchille	Date: <u>8/21/12</u>
Evaluated by: Alex Smerch blue long Sohn Kao	8/21/12

 $^{^{3}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWC- 65 Equipment ID No. AC-100 Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION VALUE Photographs	IC WALKDOWN CHECKLIST FORM
Equipment ID No. AC-100 Equip. Class4 8, MOTOR-OPERATE OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION VAL	
Equipment ID No. AC-100 Equip. Class4 8, MOTOR-OPERATE OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION VAL	Status: Y⊠ N□ U□
OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION VAL	
	ED AND SOLENOID-
Photographs	.VE
Note: Equipment Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 66</u>	
Equipment ID No. <u>AC-102</u> Equip. Class¹ <u>8, MOTOR-OPERA OPERATED VALVES</u>	ATED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A DISCHARG	E VALVE
Location: Bldg. <u>AUX</u> Floor El. <u>1027'</u> Room, Area <u>69,1W'N-4</u>	N'7A
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to recorfindings. Additional space is provided at the end of this checklist for document	d 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)?	e Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 66	Status: Y⊠ N□ U□
Equipment ID No. AC-102	Equip. Class ² 8, MOTOR-OPERA OPERATED VALVES	TED AND SOLENOID-
Equipment Description COMP COOLING	WATER PUMP AC-3A DISCHARGE	VALVE
 Is the anchorage configuration cons (Note: This question only applies if an anchorage configuration verifical 	the item is one of the 50% for which	Y NUUN/AX
Based on the above anchorage evaluation potentially adverse seismic condition In line valve		Y⊠ N□ U□
Interaction Effects		
 Are soft targets free from impact by Not a soft target 	nearby equipment or structures?	Y□ N□ U□ N/A⊠
Are overhead equipment, distribution and masonry block walls not likely to		Y⊠ N□ U□ N/A□
Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction of potentially adverse seismic interaction.		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 66</u>	
Equipment ID No. AC-102 Equip. Class ³ 8, MOTOR-OP OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A DISCHA	ARGE VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/21/2012
Alex Smerch llee	8/21/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWC- 66 Equipment ID No. AC-102 Equip. Class4 8, MOTOR-OPERAT OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A DISCHARGE Photographs	
Equipment ID No. AC-102 Equip. Class4 8, MOTOR-OPERATE OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A DISCHARGE	
OPERATED VALVES Equipment Description COMP COOLING WATER PUMP AC-3A DISCHARGE	Status: Y⊠ N□ U□
	ED AND SOLENOID-
Photographs	VALVE
Note: Equipment tag Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 67</u>	
Equipment ID No. AI-40A Equip. Class¹_14, DISTRIBUTION TRANSFER SWITCHES	ON PANELS AND AUTOMATIC
Equipment Description 120V A-C INSTRUMENT BUS "A"	
Location: Bldg. AUX Floor El. 1036' Room, Area 77, 15W'	D-11N'6D
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to rec findings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item o of the 50% of SWEL items requiring such verification)? 	ne Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-</u>	Status: Y⊠ N□ U□
Equipment ID No. Al-40A Equip. C	lass ² _14, DISTRIBUTION PANELS AND AUTOMATIC ER SWITCHES
Equipment Description 120V A-C INSTRUMENT B	US "A"
 Is the anchorage configuration consistent with (Note: This question only applies if the item is an anchorage configuration verification is requ 	one of the 50% for which
Based on the above anchorage evaluations, is potentially adverse seismic conditions?	s the anchorage free of Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby ed	quipment or structures? Y N U N/A
Are overhead equipment, distribution systems and masonry block walls not likely to collapse	
9. Do attached lines have adequate flexibility to	avoid damage? Y□ N□ U□ N/A⊠
Based on the above seismic interaction evalue of potentially adverse seismic interaction effection	

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 67</u>	Status: Y⊠ N□ U□
Equipment ID No. AI-40A Equip. Class ³ 14, DISTRIBUT TRANSFER SWITCHES	ION PANELS AND AUTOMATIC
Equipment Description 120V A-C INSTRUMENT BUS "A"	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
·	
Evaluated by: John Kao	Date: <u>8/18/2012</u>
Alex Smerch Mer Angel	8/18/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWC- 67	
Equipment ID No. Al-40A	Equip. Class4 <u>14, DISTRIBU</u> TRANSFER SWITCHES	JTION PANELS AND AUTOMATIC
Equipment Description 120V A-C INSTRU	IMENT BUS "A"	
Photographs		
Note: Equipment.	Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 68</u>	
Equipment ID No. Al-41A Equip. Class¹_14, DISTRIBUTION TRANSFER SWITCHES	ON PANELS AND AUTOMATIC
Equipment Description 125V DC BUS NUMBER 1	
Location: Bldg. AUX Floor El. 1036' Room, Area 77, 15W	'D-0N'7A
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	- L. L. T. A. V. M. W. T. V.
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)? 	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	S	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 68	Status: Y⊠ N□ U□
Equipment ID No. Al-41A	Equip. Class² <u>14, DISTRIBUTION</u> TRANSFER SWITCHES	ON PANELS AND AUTOMATIC
Equipment Description 125V DC BUS NU	MBER 1	
 Is the anchorage configuration consi (Note: This question only applies if the an anchorage configuration verification) 	ne item is one of the 50% for whi	Y□ N□ U□ N/A⊠ ich
Based on the above anchorage eval potentially adverse seismic condition		Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution and masonry block walls not likely to		ng, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	xibility to avoid damage?	Y□ N□ U□ N/A⊠
Based on the above seismic interact of potentially adverse seismic interact.		ee Y⊠N□U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 68</u>	
Equipment ID No. AI-41A Equip. Class3_14, DISTRIBUT TRANSFER SWITCHES	TION PANELS AND AUTOMATIC
Equipment Description 125V DC BUS NUMBER 1	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/18/2012
Alex Smerch Plue	8/18/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Status: Y⊠ N□ U□
ss4_ <u>14, DISTRIBUTION PANELS AND AUTOMATIC</u> R SWITCHES
Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 69</u>	Status: Y⊠ N□ U□
Equipment ID No. C/LT-911 Equip. Class¹ 20, INSTRUMEN	TATION AND CONTROL PANELS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVE	L TRANSMITTER
Location: Bldg. CONT Floor El. 1011' Room, Area CONT, 3	W'BB-9N'II
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to rec findings. Additional space is provided at the end of this checklist for docume	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item o of the 50% of SWEL items requiring such verification)? 	ne Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 69</u>	Status: Y⊠ N□ U□	
Equipment ID No. C/LT-911 Equip. Class ² 20, INSTRUMENTATION AND CONTROL PANELS		
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE	LEVEL TRANSMITTER	
5. Is the anchorage configuration consistent with plant documental (Note: This question only applies if the item is one of the 50% for an anchorage configuration verification is required.) Missing plant documentation to verify anchorage configuration. sketch in photos section below for anchorage. Licensing Basis Evaluation is required.	or which	
 Based on the above anchorage evaluations, is the anchorage fr potentially adverse seismic conditions? Based on the above item #5 on missing documentation. 	ree of Y□ N⊠ U□	
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structu	ures? Y⊠ N□ U□ N/A□	
Are overhead equipment, distribution systems, ceiling tiles and land masonry block walls not likely to collapse onto the equipme		
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□	
Based on the above seismic interaction evaluations, is equipme of potentially adverse seismic interaction effects?	ent free Y⊠ N□ U□	

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) SWC- 69	Status: Y⊠ N□ U□
Equipment ID No. C/LT-911 Equip. Class³ 20, INSTRUMEN PANELS	NTATION AND CONTROL
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVE	EL TRANSMITTER
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	d Y⊠N□U□
Comments (Additional pages may be added as necessary)	
	11.19.5005
Evaluated by: John Kao	Date: <u>8/22/2012</u>
Alex Smerch Me Anna	8/22/2012

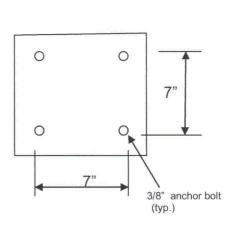
³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Status: Y N U Seismic Walkdown Checklist (SWC) SWC- 69 Equipment ID No. C/LT-911 Equip. Class4_20, INSTRUMENTATION AND CONTROL PANELS Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVEL TRANSMITTER

Photographs







Note: Common base plate for C/LT-911 & C/PT-913

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 70</u>	Status: Y⊠ N□ U□
Equipment ID No. C/PT-913 Equip. Class ¹ 20, INSTRUMENT	ATION AND CONTROL PANELS
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESS	SURE TRANSMITTER
Location: Bldg. CONT Floor El. 1002' Room, Area CONT, 3W	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	rd the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	e Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		Seis	MIC WALKDOWN CHECKLIST FORM
Sheet	2 of 4		
Seisn	nic Walkdown Checklist (SWC)	SWC- 70	Status: Y⊠ N□ U□
Equip	ment ID No. <u>C/PT-913</u>	Equip. Class ² 20, INSTRUMENTA PANELS	TION AND CONTROL
Equip	ment Description STEAM GENERA	TOR RC-2A WIDE RANGE PRESSU	JRE TRANSMITTER
5.	an anchorage configuration verifica Need plant documents to verify and	the item is one of the 50% for which tion is required.)	Y□ N⊠ U□ N/A□
6.	Based on the above anchorage eva potentially adverse seismic condition		Y□ N⊠ U□
	Based on missing documentation (ltem #5 above).	
Intera	ction Effects		
	Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
8.	Are overhead equipment, distribution and masonry block walls not likely t		Y⊠ N□ U□ N/A□
9.	Do attached lines have adequate flo	exibility to avoid damage?	Y⊠ N□ U□ N/A□
10.	Based on the above seismic interaction of potentially adverse seismic interactions.		Y⊠ N□ U□

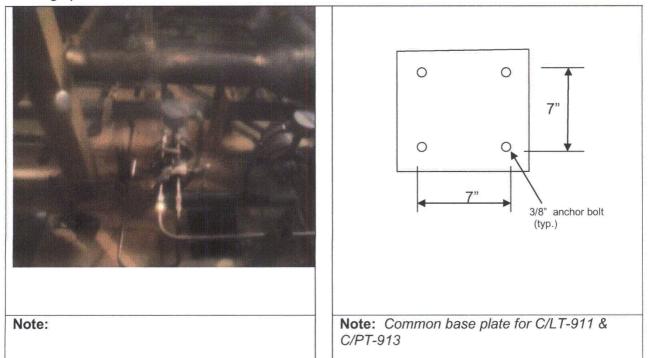
² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-70</u>	Status: Y⊠ N□ U□
Equipment ID No. C/PT-913 Equip. Class3 20, INSTRUME PANELS	NTATION AND CONTROL
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRE	ESSURE TRANSMITTER
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/22/2012</u>
Alex Smerch Mu American	<u>8/22/2012</u>

 $^{^{\}rm 3}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 70</u>	
Equipment ID No. C/PT-913 Equip. Class ⁴ 20, INSTRU PANELS	MENTATION AND CONTROL
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE	PRESSURE TRANSMITTER

Photographs



⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FO	R۱
Sheet 1 of 4	
Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 71</u>	
Equipment ID No. CH-115 Equip. Class¹ 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES	_
Equipment Description BORIC ACID STORAGE TANK CH-11A OUTLET VALVE	_
Location: Bldg. AUX Floor El. 1009' Room, Area 26, 26W'T-9N'6E	_
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 N N N N N N N N N N N N N N N N N	
2. Is the anchorage free of bent, broken, missing or loose hardware? Y☐ N☐ U☐ N/A☒	
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 Y□ N□ U□ N/A□ anchors?	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 71	Status: Y⊠ N∏ U∏
Equipment ID No. CH-115	Equip. Class ² 8, MOTOR-OPERA	ATED AND SOLENOID-
Equipment Description BORIC ACID STO	RAGE TANK CH-11A OUTLET VA	LVE
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	the item is one of the 50% for which	Y N U N/A
 Based on the above anchorage eva potentially adverse seismic conditio In-line valve. 		Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distributio and masonry block walls not likely to		Y⊠ N□ U□ N/A□
Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction of potentially adverse seismic interaction.		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) SWC- 71	
Equipment ID No. CH-115 Equip. Class3 8, MOTOR-OPI OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description BORIC ACID STORAGE TANK CH-11A OUTLET	VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/23/2012</u>
Alex Smerch blue line	<u>8/23/2012</u>

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

				SEISMIC WALKDO	OWN CHECKLIST FOR	M
Sheet 4 of 4						
				Status	: Y⊠ N□ U□	
Seismic Walkdown	n Checklist (SWC)	SWC- 71	- 2			
Equipment ID No. C	CH-115	Equip. Class OPERATED	64 <u>8, MOTOR-OPE</u> VALVES	ERATED AND S	OLENOID-	-
Equipment Descriptio	on BORIC ACID STO	RAGE TANK	CH-11A OUTLET	VALVE		-
Photographs						•
Note: Equipment.			Note:			

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4 Seismic Walkdown Checklist (SWC) <u>SWC-72</u>	Status: Y⊠ N□ U□
Equipment ID No. CH-143 Equip. Class¹ 8, MOTOR-OPERA OPERATED VALVES	ATED AND SOLENOID-
Equipment Description BORIC ACID PUMPS CH-4A & B DISCH TO CHARGE	SING SUCT HDR CHECK VLV
Location: Bldg. AUX Floor El. 1016' Room, Area 26, 8E'U-9	N'6E
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	rd the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	e Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Seisi	MIC WALKDOWN CHECKLIST FORM		
Sheet 2 of 4				
Seismic Walkdown Checklist (SWC)	SWC- 72	Status: Y⊠ N⊡ U⊡		
Equipment ID No. CH-143	Equip. Class ² <u>8, MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-		
Equipment Description BORIC ACID PUM	PS CH-4A & B DISCH TO CHARGIN	NG SUCT HDR CHECK VLV		
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	he item is one of the 50% for which	Y□ N□ U□ N/A⊠		
 Based on the above anchorage eva potentially adverse seismic condition In-line valve. 		Y⊠ N□ U□		
Interaction Effects				
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□		
Are overhead equipment, distributio and masonry block walls not likely to		Y⊠ N□ U□ N/A□		
9. Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□		
Based on the above seismic interaction of potentially adverse seismic interaction.		Y⊠ N□ U□		

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 72</u>	
Equipment ID No. CH-143 Equip. Class3_8, MOTOR-OPI OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description BORIC ACID PUMPS CH-4A & B DISCH TO CHA	ARGING SUCT HDR CHECK VLV
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Fvaluated by: John Kao	Date: 8/23/2012
Alex Smerch Mee	8/23/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 72	Status: Y⊠ N□ U□
Equipment ID No. CH-143	Equip. Class4 8, M OPERATED VALV	OTOR-OPERATED AND SOLENOID- ES
Equipment Description BORIC ACID PUM	PS CH-4A & B DISC	CH TO CHARGING SUCT HDR CHECK VLV
Photographs		
Note: Equipment.	Note	:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 73</u>	
Equipment ID No. CH-172 Equip. Class¹ 8, MOTOR-OPER OPERATED VALVES	ATED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A SUCTION VALVE	
Location: Bldg. AUX Floor El. 990' Room, Area 7, 48W'T	-2N'7B
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to rec findings. Additional space is provided at the end of this checklist for docume	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item o of the 50% of SWEL items requiring such verification)? 	ne Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 73	Status: Y⊠ N□ U□
Equipment ID No. CH-172	Equip. Class ² 8, MOTOR-OPERA OPERATED VALVES	TED AND SOLENOID-
Equipment Description CHARGING PUMF	CH-1A SUCTION VALVE	
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	he item is one of the 50% for whic	Y□ N□ U□ N/A⊠ h
Based on the above anchorage eva potentially adverse seismic condition In-line		Y⊠ N□ U□
Interaction Effects	* ************************************	
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distributio and masonry block walls not likely to		i, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interac of potentially adverse seismic intera		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC-73</u>	
Equipment ID No. CH-172 Equip. Class ³ 8, MOTOR-OPE OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A SUCTION VALVE	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that con adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/20/2012</u>
Alex Smerch Mee Angel	8/20/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC-73</u>	
Equipment ID No. CH-172 Equip. Class ⁴ OPERATED V	8, MOTOR-OPERATED AND SOLENOID- VALVES
Equipment Description CHARGING PUMP CH-1A SUCT	TON VALVE
Photographs	
Note: Equipment	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment,

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) SWC- 74		
Equipment ID No. CH-193 Equip. Class¹ 8, MOTOR-OPER OPERATED VALVES	ATED AND SOLENOID-	
Equipment Description CHARGING PUMP CH-1A DISCHARGE VALVE		
Location: Bldg. AUX Floor El. 990' Room, Area 7, 5E'U-1	N'7B	
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 of of the 50% of SWEL items requiring such verification)?	ne Y□ N⊠	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠	
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⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 74</u>	Status: Y⊠ N□ U□
Equipment ID No. CH-193 Equip. Class ² 8, MOTOR-OPERATOPERATOPERATED VALVES	ED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A DISCHARGE VALVE	
 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⊠
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? In-line valve. 	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 74</u>	Status: Y⊠ N☐ U☐
Equipment ID No. CH-193 Equip. Class3 8, MOTOR-OPE OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A DISCHARGE VALVE	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
John Kao	
Evaluated by: John Kao	Date: 8/20/2012
Alex Smerch Mer home	8/20/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWC- 74	
Equipment ID No. CH-193	Equip. Class4 8, MOTOR-OF OPERATED VALVES	PERATED AND SOLENOID-
Equipment Description CHARGING PUMP	CH-1A DISCHARGE VALVE	
Photographs		
Note: Equipment.	Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Salamaia Walladawa Chaalaliat (SWC) SWC 75	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 75</u>	
Equipment ID No. CH-4A Equip. Class: 5, HORIZONTAL PU	MPS
Equipment Description BORIC ACID PUMP	
Location: Bldg. AUX Floor El. 1007' Room, Area 26, 22W'T-9	N'6E
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown o 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 th	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?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 75</u>	Status: Y⊠ N□ U□
Equipment ID No. CH-4A Equip. Class ² 5, HORIZONTAL Pt	JMPS
Equipment Description BORIC ACID PUMP	
 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.) The anchorage configuration is consistent with drawing 11405-S-51, Rev. 17 (File# 16436) and 11405-S-69, Rev. 5 (File# 16454). 	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of notentially adverse seismic interaction effects?	Y⊠ N□ U□

 $^{^{\}rm 2}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
0 :	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 75</u>	
Equipment ID No. CH-4A Equip. Class3 5, HORIZONTA	AL PUMPS
Equipment Description BORIC ACID PUMP	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Mic Sohn Kao	Date: 8/23/12
John Kao	8/23/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC)SWC- 75_	Status: Y⊠ N□ U□
Equipment ID No. CH-4A Equip. Class ⁴ 5, HORIZONT	AL PUMPS
Equipment Description BORIC ACID PUMP	
Photographs	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Si	EISMIC WALKDOWN CHECKLIST FORN
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 76</u>	
Equipment ID No. FP-1B Equip. Class 5, HORIZONTAL 1	PUMPS
Equipment Description DIESEL FIRE PUMP	
Location: Bldg. Intake Floor El. 1009' Room, Area Intake, 1E	E'CC-3S'105
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item or of the 50% of SWEL items requiring such verification)? 	ne Y⊠ N∷
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N∏ U∏ N/A∏
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 76</u>	
Equipment ID No. FP-1B Equip. Class ² 5, HORIZONTAL PU	IMPS
Equipment Description DIESEL FIRE PUMP	
 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.) The anchorage configuration is consistent with drawing 3-2241, Sh. 1B, Rev. 2 (File# 16761). 	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Not a soft target	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 76</u>	
Equipment ID No. <u>FP-1B</u> Equip. Class3 <u>5, HORIZONTA</u>	L PUMPS
Equipment Description DIESEL FIRE PUMP	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
	· · · · · · · · · · · · · · · · · · ·
Evaluated by: John Kao	Date: <u>8/17/2012</u>
Alex Smerch Mer hand	8/17/2012

 $^{^{\}rm 3}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWC- 76 Equipment ID No. FP-1B Equip. Class4 5, HORIZONTAL PUMPS Equipment Description DIESEL FIRE PUMP Photographs Note: Equipment.		SEISMIC WALKDOWN CHECKLIST FORM
Seismic Walkdown Checklist (SWC) SWC- 76 Equipment ID No. FP-1B Equip. Class4 5, HORIZONTAL PUMPS Equipment Description DIESEL FIRE PUMP Photographs	Sheet 4 of 4	
Photographs Piccolor Photographs	Seismic Walkdown Checklist (SWC) <u>SWC- 76</u>	Status: Y⊠ N□ U□
Photographs	Equipment ID No. FP-1B Equip. Class ⁴ 5, HORIZON	TAL PUMPS
	Equipment Description DIESEL FIRE PUMP	
Note: Equipment. Note:	Photographs	
	Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALK	DOWN CHECKLIST FORM
Sheet 1 of 4	
	us: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC-77</u>	
Equipment ID No. FP-456 Equip. Class¹ 8, MOTOR-OPERATED AND OPERATED VALVES	SOLENOID-
Equipment Description FIRE HOSE CABINET FP-10D 2 1/2 " AUX HOSE CONNECTION	N VALVE
Location: Bldg. AUX Floor El. 1039' Room, Area 81, 1W'K-0N'2B	
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 SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other controls.	ts of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one Y N N N Y N Y N Y Y Y	\boxtimes
2. Is the anchorage free of bent, broken, missing or loose hardware? Y□ N□	□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface Y □ N oxidation?	□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the Y □ N anchors?	□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 77	Status: Y⊠ N⊟ U⊟
Equipment ID No. FP-456	Equip. Class ² <u>8, MOTOR-OPEROPERATED VALVES</u>	RATED AND SOLENOID-
Equipment Description FIRE HOSE CABIN	NET FP-10D 2 1/2 " AUX HOSE (CONNECTION VALVE
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	he item is one of the 50% for which	Y□ N□ U□ N/A☒ ch
 Based on the above anchorage eva potentially adverse seismic condition N/A – Inline Valve 		Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y□ N□ U□ N/A⊠
Are overhead equipment, distributio and masonry block walls not likely to		g, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	exibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interac of potentially adverse seismic intera		e Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-77</u>	Status: Y⊠ N□ U□
· ,	
Equipment ID No. FP-456 Equip. Class3 8, MOTOR-OPI OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description FIRE HOSE CABINET FP-10D 2 1/2 " AUX HOSE	CONNECTION VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Mer Loo John Kao	Date: <u>8/18/2012</u> 8/18/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)SW	
Equipment ID No. FP-456 Equip	. Class4_8, MOTOR-OPERATED AND SOLENOID-
OPEF	RATED VALVES
Equipment Description FIRE HOSE CABINET FR	P-10D 2 1/2 " AUX HOSE CONNECTION VALVE
Photographs	
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Note: Equipment Tag.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIS	ST FORM
Sheet 1 of 4	
Status: Y⊠ N□	U
Seismic Walkdown Checklist (SWC) <u>SWC- 78</u>	
Equipment ID No. FW-164 Equip. Class ¹ 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES	
Equipment Description STEAM GENERATOR RC-2A AUXILIARY FEEDWATER INLET CHECK VALV	<u>E</u>
Location: Bldg. CONT Floor El. 1048' Room, Area CONT, 20W'BB-7N'II	
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 or SWEL. The space below each of the following questions may be used to record the results of judgments 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? Y☐ N☐ U☐ N/A⊠]
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 Y□ N□ U□ N/A⊠ anchors?]

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 78	Status: Y⊠ N□ U□
Equipment ID No. FW-164	Equip. Class ² 8, MOTOR-OPERA OPERATED VALVES	TED AND SOLENOID-
Equipment Description STEAM GENERAT	OR RC-2A AUXILIARY FEEDWAT	ER INLET CHECK VALVE
 Is the anchorage configuration cons (Note: This question only applies if to an anchorage configuration verificat 	he item is one of the 50% for which	Y□ N□ U□ N/A⊠
 Based on the above anchorage eval potentially adverse seismic condition N/A In-line valve. 		Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by	nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution and masonry block walls not likely to		Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	xibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interact of potentially adverse seismic interact		Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 78</u>	Status: Y⊠ N□ U□
· · · · · · · · · · · · · · · · · · ·	
Equipment ID No. FW-164 Equip. Class3 8, MOTOR-OP OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description STEAM GENERATOR RC-2A AUXILIARY FEED	WATER INLET CHECK VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch illu l	Date: <u>8/27/12</u>
Evaluated by: Alex Smerch illu Bull	<u>8/27/12</u>

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWC- 78	
Equipment ID No. FW-164	Equip. Class4_ OPERATED V	8, MOTOR-OPERATED AND SOLENOID- YALVES
Equipment Description STEAM GENERAL	FOR RC-2A AU	XILIARY FEEDWATER INLET CHECK VALVE
Photographs		
Note: Equipment.		Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FO	ORN
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) SWC- 79	
Equipment ID No. FW-171 Equip. Class¹ 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES	
Equipment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISCHARGE VALVE	
Location: Bldg. <u>AUX</u> Floor El. <u>997'</u> Room, Area <u>19, 7W'C-16N'3A</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	_
 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☒	
Is the anchorage free of corrosion that is more than mild surface Y□ N□ U□ N/A□ oxidation?	
Is the anchorage free of visible cracks in the concrete near the Y□ N□ U□ N/A☒ anchors?	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet	2 of 4	
Seisn	nic Walkdown Checklist (SWC) <u>SWC- 79</u>	Status: Y⊠ N□ U□
Equipr	ment ID No. <u>FW-171</u> Equip. Class² <u>8, MOTOR-OPERATO OPERATED VALVES</u>	TED AND SOLENOID-
Equipr	ment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISCHARG	GE VALVE
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? N/A	Y⊠ N□ U□
Intera	ction Effects	
	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? Light Fixture was examined overhead. It was determined after further discussion that the looselightbulls falling would not damage component.	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? Nearby line has close supports and would not displace enought between supports in seismic event to contact component.	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 79</u>	
Equipment ID No. <u>FW-171</u> Equip. Class³ <u>8, MOTOR-OPE</u> <u>OPERATED VALVES</u>	ERATED AND SOLENOID-
Equipment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISCH	HARGE VALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Plus American	Date: <u>8/13/12</u>
Evaluated by: Alex Smerch blue Losson John Kao John Kao	8/13/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 7	
Equipment ID No. <u>FW-171</u> Equip. Cla	ass4_8, MOTOR-OPERATED AND SOLENOID- ED VALVES
Equipment Description MOTOR-DRIVEN AUX FEED	
Photographs	
Note: Equipment	Note:

 $^{^{\}rm 4}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>		
Equipment ID No. <u>FW-172</u> Equip. Class¹ <u>8, MOTOR-OPERA OPERATED VALVES</u>	TED AND SOLENOID-	
Equipment Description TURB-DRIVEN AUX FEED PUMP FW-10 DISCHARG	SE VALVE	
Location: Bldg. <u>AUX</u> Floor El. <u>997'</u> Room, Area <u>19, 7W'C-7</u>	N'3A	
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⊠	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	MIC WALKDOWN CHECKLIST FORM		
Sheet 2 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>	Status: Y⊠ N□ U□		
Equipment ID No. FW-172 Equip. Class ² 8, MOTOR-OPERATO OPERATED VALVES	FED AND SOLENOID-		
Equipment Description TURB-DRIVEN AUX FEED PUMP FW-10 DISCHARGE	E VALVE		
 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? N/A Inline Valve	Y⊠ N□ U□		
Interaction Effects			
 Are soft targets free from impact by nearby equipment or structures? Valve is not a soft target. 	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? There is a protective cage surrounding the item.	Y⊠ N□ U□ N/A□		
 Do attached lines have adequate flexibility to avoid damage? There are multiple elbows for attached line showing flexibility. 	Y⊠ N□ U□ N/A□		
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□		

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) SWC- 80	Status: Y⊠ N□ U□
Equipment ID No. <u>FW-172</u> Equip. Clas <u>OPERATEI</u>	s3 <u>8, MOTOR-OPERATED AND SOLENOID-</u> D VALVES
Equipment Description <u>TURB-DRIVEN AUX FEED PU</u>	MP FW-10 DISCHARGE VALVE
Other Adverse Conditions	
 Have you looked for and found no other seismic adversely affect the safety functions of the equip There is a chain attached. This item is not seen it does not have much mass. 	ment?
Comments (Additional pages may be added as necess	ary)
Evaluated by: Alex Smerch blue. Loon Kao	Date: <u>8/13/12</u>

 $^{^{3}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 80	
Equipment ID No. <u>FW-172</u> Equip. Class4 <u>8, MOTOR-OP</u> <u>OPERATED VALVES</u>	ERATED AND SOLENOID-
Equipment Description TURB-DRIVEN AUX FEED PUMP FW-10 DISCH	IARGE VALVE
Photographs	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 5		
	Status: Y⊠ N⊡ U⊡	
Seismic Walkdown Checklist (SWC) <u>SWC- 81</u>		
Equipment ID No. HCV-1040 Equip. Class ¹ 7, PNEUMATIC-0	OPERATED VALVES	
Equipment Description MAIN STEAM ATMOSPHERIC DUMP VALVE		
Location: Bldg. AUX Floor El. 1044' Room, Area 81, 10W	D-10S'5B	
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 of the 50% of SWEL items requiring such verification)?	ne Y⊠ N□	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	SMIC WALKDOWN CHECKLIST FORM		
Sheet 2 of 5			
Seismic Walkdown Checklist (SWC) <u>SWC- 81</u>	Status: Y⊠ N⊟ U⊟		
Equipment ID No. <u>HCV-1040</u> Equip. Class ² _7, <u>PNEUMATIC-OP</u>	ERATED VALVES		
Equipment Description MAIN STEAM ATMOSPHERIC DUMP VALVE			
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.) Requires plant documentation to verify. Snubber strut tag #'s: MSS-45A, MSS-45B. See sketch in photos section. Licensing Basis	Y□ N⊠ U□ N/A□		
Evaluation is required.			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□		
Interaction Effects			
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? **Lighting overhead located at but was aversized to be a tradition assured.	Y⊠ N□ U□ N/A□		
Lighting overhead looked at but was examined to be sturdily secured.			
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□		
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□		

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM	
Sheet 3 of 5		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 81</u>		
Equipment ID No. <u>HCV-1040</u> Equip. Class3_7, <u>PNEUMATIC-OF</u>	PERATED VALVES	
Equipment Description MAIN STEAM ATMOSPHERIC DUMP VALVE		
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)		
Evaluated by: Alex Smerch Wee Sohn Kao	Date: <u>8/18/2012</u>	
John Kao	<u>8/18/2012</u>	

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) __SWC- 81_

Equipment ID No. HCV-1040 Equip. Class4 7, PNEUMATIC-OPERATED VALVES

Equipment Description MAIN STEAM ATMOSPHERIC DUMP VALVE

Photographs



Note: Overview of equipment.



Note: Support plate, I-beam, and strut

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FORM

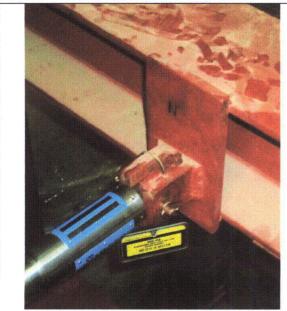
Sheet 5 of 5

Status: Y⊠ N□ U□

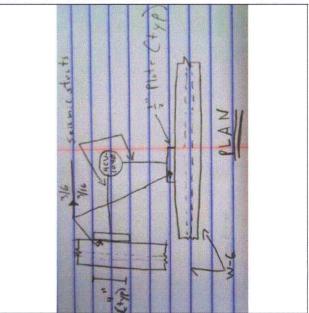
Seismic Walkdown Checklist (SWC) SWC- 81

Equipment ID No. HCV-1040 Equip. Class⁵ 7, PNEUMATIC-OPERATED VALVES

Equipment Description MAIN STEAM ATMOSPHERIC DUMP VALVE



Note: Equipment strut support anchorage. (Welded to I-Beam)



Note: Sketch of seismic supports.

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 82</u>		
Equipment ID No. HCV-2917 Equip. Class ¹ 7, PNEUMATIC-C	PERATED VALVES	
Equipment Description HPSI PUMP 2C SUCTION ISOLATION VALVE		
Location: Bldg. AUX Floor El. 979' Room, Area 21, 43W'	T-32N'6E	
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 o of the 50% of SWEL items requiring such verification)? 	ne Y□ N⊠	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-82</u>	Status: Y⊠ N□ U□
Equipment ID No. HCV-2917 Equip. Class ² 7, PNEUMATIC-C	PERATED VALVES
Equipment Description HPSI PUMP 2C SUCTION ISOLATION VALVE	
 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⊠ ch
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lightin and masonry block walls not likely to collapse onto the equipment?	ng, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment fre of potentially adverse seismic interaction effects?	e Y⊠ N□ U□

 $^{^{2}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 3 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 82</u>		
Equipment ID No. <u>HCV-2917</u> Equip. Class ³ <u>7, PNEUMATIC-</u>	OPERATED VALVES	
Equipment Description HPSI PUMP 2C SUCTION ISOLATION VALVE		
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that coul adversely affect the safety functions of the equipment?	d Y⊠N□U□	
<u>Comments</u> (Additional pages may be added as necessary)		
John Kao		
Evaluated by: John Kao	Date: 8/23/2012	
Alex Smerch ilie A-	<u>8/23/2012</u>	

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	CLOSSIC TYLEROOMS CHECKEN TO SKI
Seismic Walkdown Checklist (SWC) SWC- 82	Status: Y⊠ N□ U□
Equipment ID No. HCV-2917 Equip. Class ⁴ 7, PNEUMATIO	C-OPERATED VALVES
Equipment Description HPSI PUMP 2C SUCTION ISOLATION VALVE	
Photographs	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	EISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 5	•	
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>		
Equipment ID No. HCV-2918 Equip. Class ¹ 7, PNEUMATIC-O	PERATED VALVES	
Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE		
Location: Bldg. AUX Floor El. 979' Room, Area 21, 46W'	T-27N'6E	
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 of of the 50% of SWEL items requiring such verification)? 	ne Y⊠ N□	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FOR
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	Status: Y⊠ N∏ U∏
Equipment ID No. HCV-2918 Equip. Class ² 7, PNEUMATIC-OPE	ERATED VALVES
Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE	
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.) Needs plant documentation to confirm. See sketch in photos section below. Licensing Basis Evaluation is required.	Y
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of notentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC-83</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>HCV-2918</u> Equip. Class ³ <u>7, PNEUMATIC-</u>	OPERATED VALVES
Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/23/12</u>
Alex Smerch blue di	8/23/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKL	ICT ECO
	.IST FUR
Sheet 4 of 5	
Status: Y⊠ N□	7 U
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	
Equipment ID No. HCV-2918 Equip. Class ⁴ 7, PNEUMATIC-OPERATED VALVES	
Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE	
Photographs	**************************************
Note: Equipment. Note: View of anchorage.	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC)

Seismic Walkdown Checklist (SWC)

Seismic Walkdown Checklist (SWC)

SWC- 83

Equipment ID No. HCV-2918

Equip. Classs 7, PNEUMATIC-OPERATED VALVES

Equipment Description

HPSI PUMP 2C DISCHARGE ISOLATION VALVE

PLAN VIEW of anchorage

Note: Sketch of anchorage.

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seis	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 84</u>	
Equipment ID No. HCV-2947 Equip. Class ¹ 7, PNEUMATIC-OPI	ERATED VALVES
Equipment Description LPSI PUMP SI-1A SUCTION VALVE	
Location: Bldg. AUX Floor El. 981' Room, Area 21, 9E'U-7	1'6C
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 documential	d the results of judgments and
Anchorage	
 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□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 84</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>HCV-2947</u> Equip. Class ² 7, <u>PNEUMATIC-OPI</u>	ERATED VALVES
Equipment Description LPSI PUMP SI-1A SUCTION VALVE	
 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.) Did not find the valve support drawings. A sketch showing the anchorage configuration is provided in the photos section below. Licensing Basis Evaluation is required. 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Based on the missing documentation (see item #5 above). 	Y□ N⊠ U□ N/A□ Y□ N⊠ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□

 $^{^{\}rm 2}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 84</u>	
Equipment ID No. <u>HCV-2947</u> Equip. Class ³ 7, PNEUMATIC-	OPERATED VALVES
Equipment Description LPSI PUMP SI-1A SUCTION VALVE	
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that coul adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/23/2012
Alex Smerch the hand	8/23/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC-84</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>HCV-2947</u> Equip. Class	s4 7, PNEUMATIC-OPERATED VALVES
Equipment Description LPSI PUMP SI-1A SUCTION V	ALVE
Photographs	
Plate 1 Plate 2 Valve alignment Plate 3 Note: Anchor plate arrangement plan view.	3.5 0 0 3.5" 5" 0 0 5" 5" 5" 5" 5" 3.5" Plate 1 All anchor bolts 5/8" diameter Note: Plate 1 anchorage configuration.
Troto: Thener plate analigement plan view.	issue i allo i diforolago comiguration.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FORM Sheet 5 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) _ SWC- 84 Equipment ID No. HCV-2947 Equip. Class⁵ 7, PNEUMATIC-OPERATED VALVES Equipment Description LPSI PUMP SI-1A SUCTION VALVE All anchor bolts are 5/8" diameter All anchor bolts are 3/4" diameter Plate 2 Plate 3 Note: Plate 2 anchorage configuration. Note: Plate 3 anchorage configuration.

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	Status: Y⊠ N□ U□
Equipment ID No. HCV-2948 Equip. Class ¹ 7, PNEUMATIC-OF	PERATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE	
Location: Bldg. AUX Floor El. 980' Room, Area 21, 42W'T	-4N'6E
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to reco findings. Additional space is provided at the end of this checklist for document	rd the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item on of the 50% of SWEL items requiring such verification)? 	e Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	Status: Y⊠ N□ U□
Equipment ID No. HCV-2948 Equip. Class ² 7, PNEUMATIC-OPE	RATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE	TOTAL DE VILLE
	VO NO UO NIAO
 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□
Needs to be confirmed with plant documentation. See sketch in photos section. Licensing Basis Evaluation is required.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
and macenty block trans her mory to conapec cone and equipment	
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□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	
Equipment ID No. HCV-2948 Equip. Class ³ 7, PNEUMATIC-	-OPERATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch blue loss	Date: <u>8/23/12</u>
John Kao	8/23/12

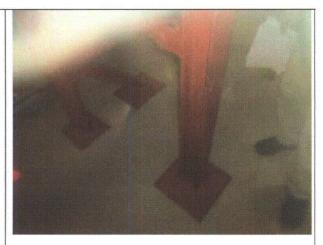
³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

			SEISMIC WALKDOWN CHECKLIST FOR
Sheet 4 of 5			
			Status: Y⊠ N□ U□
Seismic Walkdo	wn Checklist (SW	C) <u>SWC- 85</u>	
Equipment ID No.	HCV-2948	Equip. Class4_7, PNEU	MATIC-OPERATED VALVES
Equipment Descrip	tion LPSI PUMP SI-	1A DISCHARGE VALVE	

Photographs



Note: Equipment.



Note: Plan view of anchorage.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) SWC- 85	Status: Y⊠ N□ U□
Equipment ID No. <u>HCV-2948</u> Equip. Class	ss ⁵ 7, PNEUMATIC-OPERATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARG	EVALVE
PLAN of SUPPORT ANCHORAGE (All belts = 3/4")	
Note: Sketch of anchorage.	Note:

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5 Seismic Walkdown Checklist (SWC) SWC- 86	Status: Y⊠ N□ U□
Equipment ID No. HCV-305 Equip. Class 17, PNEUMATIC-0	OPERATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONN	IECT VALVE
Location: Bldg. AUX Floor El. 980' Room, Area 21, 39W	"T-16N'6E
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 86</u>	
Equipment ID No. <u>HCV-305</u> Equip. Class ² 7, <u>PNEUMATIC-OPE</u>	RATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONNEC	T VALVE
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.) Needs to be confirmed with plant documentation. See sketch in photos section. Licensing Basis Evaluation is required.	Y□ N⊠ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 86</u>	
Equipment ID No. <u>HCV-305</u> Equip. Class3 <u>7, PNEUMATIC</u>	-OPERATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCON	INECT VALVE
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that countries adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch blue loss	Date: <u>8/23/12</u>
John Kao	<u>8/23/12</u>

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) _ SWC- 86

Equipment ID No. HCV-305 Equip. Class4_7, PNEUMATIC-OPERATED VALVES

Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONNECT VALVE

Photographs



Note: Equipment



Note: View of base and anchorage.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKL	IST FORM
Sheet 5 of 5		
	Status: Y⊠ N□] U
Seismic Walkdown Checklist (SWC) _	SWC- 86	
Equipment ID No. <u>HCV-305</u>	Equip. Class ⁵ 7, PNEUMATIC-OPERATED VALVES	
Equipment Description HPSI PUMP SI-2A/	2C DISCHARGE CROSSCONNECT VALVE	
All Anchors = 3/4"		
1, 7		
9 1/2" 2" 9 1/2"		
21 6		
11 15" 92	H = 2	
6 1 11 /2		
PIAN VIEW of ANCHOR	AGE	
Note: Anchorage Sketch	Note:	

⁵ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 87</u>	
Equipment ID No. <u>IA-12</u> Equip. Class ¹ 21, TANKS AND HE	EAT EXCHANGERS
Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATOR	
Location: Bldg. CONT Floor El. 1045' Room, Area CONT, 18V	V'DD-12N'II
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	d 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?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? Mild corrosion noted and discussed. Not of concern.	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors? Mounted on grating.	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Si	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC)SWC- 87_	Status: Y⊠ N□ U□
Equipment ID No. IA-12 Equip. Class ² 21, TANKS AND I	HEAT EXCHANGERS
Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATOR	
 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⊠ ch
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects 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? The accumulator is touching insulation for a nearby pipe, though there appears to be a 3"-6" gap between the accumulator and the OD of the nearby pipe. There will be no credible interaction effects from seismic	9 9
activity because the insulation is not a rigid component. 9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	e Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 87	
Equipment ID No. <u>IA-12</u> Equip. Class ³ <u>21, TANKS ANI</u>	D HEAT EXCHANGERS
Equipment Description <u>HCV-240 INSTRUMENT AIR AIR ACCUMULATO</u>	R
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Mee	D-4 0/07/40
Evaluated by: Alex Smerch *	Date: <u>8/27/12</u>
Kevin Bessell Li-Bal	<u>8/27/12</u>

 $^{^{\}rm 3}$ Enter the equipment class $\underline{\text{name}}$ from Appendix B: Classes of Equipment.

Sheet 4 of 4	EISMIC WALKDOWN CHECKLIST FORM
Seismic Walkdown Checklist (SWC) <u>SWC-87</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>IA-12</u> Equip. Class ⁴ 21, TANKS AND F	HEAT EXCHANGERS
Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATOR	
Photographs	
Note: Equipment (canister). Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	SMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 88</u>	Status: Y⊠ N□ U□	
Equipment ID No. RM-051 Equip. Class ¹ 18, INSTRUMENT R	RACKS	
Equipment Description CONTAINMENT NOBLE GAS RADIATION MONITOR	R REMOTE RATEMETER	
Location: Bldg. AUX Floor El. 1036' Room, Area 77, Al-33A		
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 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□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 88</u>	Status: Y⊠ N□ U□
Equipment ID No. RM-051 Equip. Class ² 18, INSTRUMENT	RACKS
Equipment Description CONTAINMENT NOBLE GAS RADIATION MONITO	R REMOTE RATEMETER
 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.) The anchorage configuration is consistent with drawing 703816-001, Rev. 0 (File# 42973) 	Y⊠ N□ U□ N/A□ 1
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of notentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 3 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 88</u>		
Equipment ID No. RM-051 Equip. Class ³ 18, INSTRUME	NT RACKS	
Equipment Description CONTAINMENT NOBLE GAS RADIATION MONI	TOR REMOTE RATEMETER	
Other Adverse Conditions		
Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□	
Comments (Additional pages may be added as necessary)		
Evaluated by: John Kao	Date: <u>8/18/2012</u>	
Alex Smerch Mer Angel	8/18/2012	

 $^{^3}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 88	
Equipment ID No. RM-051 Equip. Class4 18, INSTRUM	ENT RACKS
Equipment Description CONTAINMENT NOBLE GAS RADIATION MOI	NITOR REMOTE RATEMETER
Photographs	
AMPLE CONTROL SAMPLE CONTROL	
Note: Equipment. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

S	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 89</u>	
Equipment ID No. SI-6A Equip. Class ¹ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description SAFETY INJECTION TANK	
Location: Bldg. CONT Floor El. 1013' Room, Area CONT, 3	BW'DD-6N'II
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to rec findings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-89</u>	Status: Y⊠ N□ U□
Equipment ID No. SI-6A Equip. Class ² 21, TANKS AND HE	AT EXCHANGERS
Equipment Description SAFETY INJECTION TANK	
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.) The anchorage configuration is consistent with drawing 11405-S-35,	Y⊠ N□ U□ N/A□
Sh. 1, Rev. 8 (File# 16415) and 11405-S-18, Rev. 4 (File# 16397).6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects7. Are soft targets free from impact by nearby equipment or structures?Not a soft target.	Y□ N□ U□ N/A⊠
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□
Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 89</u>	
Equipment ID No. SI-6A Equip. Class ³ 21, TANKS AND	D HEAT EXCHANGERS
Equipment Description SAFETY INJECTION TANK	
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
John Kao	
Evaluated by: <u>John Kao</u>	Date: 8/22/2012
Alex Smerch the	8/22/2012

 $^{^{3}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC-</u>	89
Equipment ID No. SI-6A Equip. C	Class4_21, TANKS AND HEAT EXCHANGERS
Equipment Description SAFETY INJECTION TANK	
Photographs	
Note: Photo of tank.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISM	IC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 90	
Equipment ID No. VA-280 Equip. Class¹ 8, MOTOR-OPERATE OPERATED VALVES	D AND SOLENOID-
Equipment Description CNTMT H2 PURGE OUTBOARD ISOL VALVE TO CNT	MT H2 PURGE FAN VA-80B
Location: Bldg. AUX Floor El. 1020' Room, Area 59, 9E'P-0N'6	С
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 to findings. Additional space is provided at the end of this checklist for documenting	he results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? In-line valve 	Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

 $^{^{\}mbox{\tiny 1}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 90</u>	Status: Y⊠ N□ U□
Equipment ID No. VA-280 Equip. Class ² 8, MOTOR-OPERA OPERATED VALVES	TED AND SOLENOID-
Equipment Description CNTMT H2 PURGE OUTBOARD ISOL VALVE TO CI	NTMT H2 PURGE FAN VA-80B
 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.) In-line valve 	Y N U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

 $^{^{2}% \}left(\mathbf{B}^{\prime}\right) =\mathbf{B}^{\prime}$ Enter the equipment class $\underline{\mathbf{name}}$ from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 90</u>	Status: Y⊠ N□ U□
Equipment ID No. VA-280 Equip. Class3 8, MOTOR-OPE OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description CNTMT H2 PURGE OUTBOARD ISOL VALVE TO	O CNTMT H2 PURGE FAN VA-80B
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/23/2012</u>
Alex Smerch the home	8/23/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Status: Y N U U OR-OPERATED AND SOLENOID- ALVE TO CNTMT H2 PURGE FAN VA-80B
OR-OPERATED AND SOLENOID-
LIVE TO CHEMT HE DUDGE EARLYA SOD
ALVE TO CINTIVIT HZ PURGE PAIN VA-OUD

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWC- 91</u>	
Equipment ID No. HCV-478 Equip. Class ¹ 7, PNEUMATIC-	OPERATED VALVES
Equipment Description SPENT FUEL POOL HT EXCH AC-8 CCW OUTLE	ET VALVE
Location: Bldg. AUX Floor El. 993' Room, Area 5, 6W'R	-8N'5A
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for document	cord the results of judgments and
Anchorage	<u>.</u>
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 91</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>HCV-478</u> Equip. Class ² 7, <u>PNEUMATIC-OF</u>	PERATED VALVES
Equipment Description SPENT FUEL POOL HT EXCH AC-8 CCW OUTLET	VALVE
 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? In-line	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of notentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FOR		
Sheet 3 of 4		
	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWC- 91</u>		
Equipment ID No. HCV-478 Equip. Class3_7, PNEUMATIC-OF	PERATED VALVES	
Equipment Description SPENT FUEL POOL HT EXCH AC-8 CCW OUTLET	VALVE	
Other Adverse Conditions		
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□	
Comments (Additional pages may be added as necessary)		
Evaluated by: John Kao	Date: 8/20/2012	
Alex Smerch blue do	8/20/2012	

 $^{^{3}% = 10^{10}}$ Enter the equipment class \underline{name} from Appendix B: Classes of Equipment.

The second control of	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 91	<u>1</u>
Equipment ID No. <u>HCV-478</u> Equip. Class	ss4_7, PNEUMATIC-OPERATED VALVES
Equipment Description SPENT FUEL POOL HT EXCH	AC-8 CCW OUTLET VALVE
Photographs	
Note: Equipment	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 92</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-5A Equip. Class¹ 5, HORIZONTAL	PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
Location: Bldg. Aux. Floor El. 989' Room, Area 5, 10E'T	-3N'5D
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N⊡
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

Sei	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4 Seismic Walkdown Checklist (SWC) SWC- 92	Status: Y⊠ N□ U□
Equipment ID No. AC-5A Equip. Class ² 5, HORIZONTAL P	PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
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 Check verifies that plant has "Gould Pump 789A701 Storage Circulation Pump" installed with "Bed Plate No. 3", but vendor drawing suggests that design is for "Bed Plate #1" See OPPD Rev. SH 36510 (File# 10331). Licensing Basis Evaluation is required.	
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Block wall may not have proper lateral restraint due to gap between wall and steel angle brace. CR 2012-10915 has been initiated.	Y□ N⊠ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y N U

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISMIC WALKDOWN CHECKLIST FO	
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) SWC- 92	Status: Y⊠ N□ U□
Equipment ID No. AC-5A Equip. Class3 5, HORIZONTA	AL PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
John Kao	Date: 0/00/0040
Evaluated by: <u>John Kao </u>	Date: 8/20/2012
Alex Smerch blue bosses	Date: 8/20/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	WALKDOWN	CHECKLIST	FORM

Status: Y⊠ N□ U□

Sheet 4 of 4

Seismic Walkdown Checklist (SWC) <u>SWC- 92</u>

Equipment ID No. AC-5A Equip. Class4 5, HORIZONTAL PUMPS

Equipment Description SPENT FUEL POOL CIRCULATING PUMP

Photographs



Note: Equipment



Note: Gap between masonry wall and steel lateral support.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 93</u>	
Equipment ID No. AC-5B Equip. Class¹ 5, HORIZONTAL	PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
Location: Bldg. Aux. Floor El. 989' Room, Area 5, 14E'T	-3N'5D
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for document	cord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)? 	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 93</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-5B Equip. Class ² 5, HORIZONTAL PU	MPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
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 Check verifies that plant has "Gould Pump 789A701 Storage Poop Circulation Pump" installed with "Bed Plate No. 3", but vendor drawing suggests that design is for "Bed Plate #1" See OPPD Rev. SH 36510 (File# 10331). Licensing Basis Evaluation is required.	Y□ N⊠ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y□ N⊠ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Block wall may not have proper lateral restraint due to gap between	Y□ N⊠ U□ N/A□
 wall and steel angle brace. CR 2012-10915 has been initiated. 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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y□ N⊠ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 93</u>	
Equipment ID No. AC-5B Equip. Class3 5, HORIZONTA	AL PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Mer Sohn Kao	Date: <u>8/20/12</u>
John Kao	8/20/12

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	W 713 733 W 1 10 10 10 10 10 10 10 10 10 10 10 10 1
Equipment ID No. AC-5B	Equip. Class4_5, HORIZONTAL PUMPS
Equipment Description SPENT FUEL PO	OL CIRCULATING PUMP

Photographs



Note: Equipment.



Note: Gap between masonry wall and steel lateral support.

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>	
Equipment ID No. AC-7 Equip. Class ¹ 21, TANKS AND HEA	AT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER	
Location: Bldg. Aux. Floor El. 990' Room, Area 5, 1E'T-3S'5	A
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 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⊠
 Is the anchorage free of bent, broken, missing or loose hardware? One anchor bolt was noted in each baseplate for each of the 4 support legs. 	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? Baseplate and bolts appeared to be covered with a blue paint	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-7 Equip. Class ² 21, TANKS AND H	EAT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER	
 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?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment? Light fixture noted overhead with one support on a hook, see AWC-33.	
Block wall shields equipment, however, wall is seismically restrained with plates and through bolts and judged not to cause interaction issues.	
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Salamia Malkdayun Chacklish (SMC) SMC 04	Status: Y⊠ N☐ U☐
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>	
Equipment ID No. AC-7 Equip. Class3 21, TANKS ANI	D HEAT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Kevin Bessell Line Bull	Date: <u>8/28/2012</u>
Alex Smerch the	8/28/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	Carrie Way (Course Curacy) (or Fore
	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWC- 94	
Equipment ID No. AC-7 Equip. Class4 21, TANKS AN	ND HEAT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER	
Photographs	
Note: Equipment located behind block wall. Anchorage not shown.	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 95</u>	
Equipment ID No. AC-6 Equip. Class ¹ 21, TANKS AND	HEAT EXCHANGERS
Equipment Description STORAGE POOL FILTER	
Location: Bldg. Aux. Floor El. 990' Room, Area 5, 1E'T-	12N'4B
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? Mild surface oxidation noted.	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 95</u>	Status: Y⊠ N□ U□
Equipment ID No. AC-6 Equip. Class ² 21, TANKS AND F	IEAT EXCHANGERS
Equipment Description STORAGE POOL FILTER	
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?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	i, 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□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 95</u>	
Equipment ID No. AC-6 Equip. Class ³ 21, TANKS AND HEA	AT EXCHANGERS
Equipment Description STORAGE POOL FILTER	
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: Kevin Bessell Li-Bal	Date: 8/28/2012
Alex Smerch the	8/28/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC) SWC- 95	Status: Y⊠ N□ U□
Equipment ID No. AC-6 Equip. Class ⁴ 21, TANKS	AND HEAT EXCHANGERS
Equipment Description STORAGE POOL FILTER	500 Marie 1800 Marie 180 Marie
Photographs	
Note: Equipment and anchorage support. Note:	

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

SEISM	IIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 96</u>	Status: Y⊠ N□ U□
Equipment ID No. RW-262 Equip. Class¹ 8, MOTOR-OPERATION OPERATED VALVES	ED AND SOLENOID-
Equipment Description EMERGENCY FEEDWATER TANK FW-19 RAW WATE VALVE	ER BACKUP CONNECTION
Location: Bldg. AUX Floor El. 1040' Room, Area 81, 4W'C-3N	'5B
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 results of judgments and
Anchorage	
 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⊠ -
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

¹ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 96	Status: Y⊠ N□ U□
Equipment ID No. RW-262	Equip. Class ² 8, MOTOR-OPER OPERATED VALVES	RATED AND SOLENOID-
Equipment Description EMERGENCY FEE VALVE	EDWATER TANK FW-19 RAW W	/ATER BACKUP CONNECTION
 Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat 	he item is one of the 50% for whi	Y∏ N∏ U∏ N/A⊠ ch
Based on the above anchorage evaluation potentially adverse seismic condition In-Line Valve	luations, is the anchorage free of ns?	Y⊠ N□ U□
Interaction Effects		
7. Are soft targets free from impact by Not a soft target	nearby equipment or structures?	Y N U N/A
Are overhead equipment, distribution and masonry block walls not likely to		ng, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate fle	xibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interact of potentially adverse seismic interactions.		e Y⊠ N□ U□

² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 96</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. RW-262 Equip. Class ³ 8, MOTOR-OPE OPERATED VALVES	ERATED AND SOLENOID-
Equipment Description EMERGENCY FEEDWATER TANK FW-19 RAW VALVE	WATER BACKUP CONNECTION
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/18/2012
Alex Smerch illu loss	8/18/2012

³ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
Seismic Walkdown Checklist (SWC) _	Status: Y⊠ N□ U□
Equipment ID No. RW-262	Equip. Class4 8, MOTOR-OPERATED AND SOLENOID- OPERATED VALVES
Equipment Description EMERGENCY FEE VALVE	DWATER TANK FW-19 RAW WATER BACKUP CONNECTION
Photographs	
Note: Equipment.	Note:

⁴ Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

		TAG ID	T	IC CONDITIONS FORM LICENSING BASIS EVALUATION		CR#
LB#	SWC/AWC#	(if applicable)	IDENTIFIED CONDITION	CONCLUSION	RESOLUTION	(If Applicable)
1	AWC-2	N/A	Broom in area nearby the damper solenoid	CR Initiated	See CR	CR 2012-10195
2	SWC-38	FCV-1369	Missing clamp attaching Unistrut and Pipe. The unistrut holds the instrument line.	CR Initiated	See CR	CR 2012-10198
3	SWC-21	FO-4A-2	Potentially Missing Fan Clip above Fuel Oil Transfer Pump	CR Initiated	See CR	CR 2012-10367
4	AWC-4	N/A	Equipment Storage Bins on wheels that could potentially contact a nearby wall	CR Initiated	See CR	CR 2012-10368
5	SWC-51	DG-2	Insulation on a pipe above the diesel generator whose mass was not accounted for in seismic qualification report.	CR Initiated	See CR	CR 2012-10369
6	SWC-16	T1B-3C	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
7	SWC-49	EE-8C	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
8	SWC-12	1A4-11	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
9	AWC-6	N/A	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
10	AWC-7	N/A	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
11	AWC-8	N/A	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
12	AWC-9	N/A	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
13	SWC-15	EE-4S	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
14	SWC-50	EE-8H	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
15	AWC-6	N/A	Rollable FME storage cart unrestrained near cabinets.	CR Initiated	See CR	CR 2012-10425
16	SWC-46	EE-8F	EE-8C has 3/8" Gap from EE-8F creating seismic interaction issue.	CR Initiated	See CR	CR 2012-10427
17	SWC-49	EE-8C	EE-8C has 3/8" Gap from EE-8F creating seismic interaction issue.	CR Initiated	See CR	CR 2012-10427
18	SWC-1	AC-12B	Anchor bolts from strainer base to concrete lack thread engagement with their nuts	CR Initiated	See CR	CR 2012-10553
19	AWC-13	AC-12A	Anchor bolts from strainer base to concrete lack thread engagement with their nuts	CR Initiated	See CR	CR 2012-10553
20	AWC-11	N/A	Portable light plugged in and hung unsecured above an open sump pump.	CR Initiated	See CR	CR 2012-10628
21	SWC-57	PI-2855-1	Light bulbs could fall and damage gauge.	CR Initiated	See CR	CR 2012-10629
22	AWC-10	N/A	Transient materials left in non-storage area	CR Initiated	See CR	CR 2012-10630
23	AWC-12	N/A	Light bent around equipment and hung very close to small line creating seismic spatial interaction.	CR Initiated	See CR	CR 2012-10631
24	AWC-15	N/A	A clamp on a rope was attached near SR equipment creating a seismic spatial interaction condition	CR Initiated	See CR	CR 2012-10672
25	AWC-15	N/A	A beam was observed installed to an embed plate via slotted holes in the vertical direction thus possibly putting the bolts in bending under gravity loading.	CR Initiated	See CR	CR 2012-10676
26	AWC-14	N/A	Large mobile white board with unlocked wheels creating a seismic spatial interaction condition.	CR Initiated	See CR	CR 2012-10684
27	AWC-14	N/A	Water cooler with high C.G. could move and impact SR equipment.	CR Initiated	See CR	CR 2012-10684
28	SWC-92	AC-5A	Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.	CR Initiated	See CR	CR 2012-10915
29	SWC-93	AC-5B	Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.	CR Initiated	See CR	CR 2012-10915
30	AWC-18	N/A	Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.	CR Initiated	See CR	CR 2012-10915
31	AWC-19	N/A	Cart on wheels with tools and chemical cleaners on it could roll and strike safety	CR Initiated	See CR	CR 2012-10916
32	AWC-20	N/A	related equipment Chain from trolley above AC-1A is not securely tied down, therefore it could possibly strike safety related equipment during seismic	CR Initiated	See CR	CR 2012-10917
33	AWC-19	N/A	Concrete pitting near support	CR Initiated	See CR	CR 2012-10919
34	SWC-60	AC-4B	Missing chunks of concrete around anchors and anchors possibly cut negating	CR Initiated	See CR	CR 2012-11039
35	AWC-22	N/A	capabilities of anchorage Unsecured chains from hoist are located	CR Initiated	See CR	CR 2012-11041
26	A1410 00	h1/4	unsecured near AC-1C and AC-1D	CD laitiete d	Sec. 02	OB 2012 11277
36 37	AWC-29 AWC-30	N/A P/B-249C	Missing bolt on pipe support for line SI-1A Anchor bolts on the baseplate for support posts are severely corroded and need to be	CR Initiated CR Initiated	See CR See CR	CR 2012-11277 CR 2012-11879
			replaced.			1
38	AWC-30	WD-1	There was no tag identified for scaffolding around tank WD-1. Scaffolding could cause	CR Initiated	See CR	CR 2012-11880

		T	POTENTIALLY ADVERSE SEISM		,	
LB#	SWC/AWC#	TAG ID (if applicable)	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION CONCLUSION	RESOLUTION	CR # (If Applicable)
39	AWC-30	A/LT-911	Hanging light from a flexible rod poses a seismic interaction concern with adjacent	CR Initiated	See CR	CR 2012-11973
40	AWC-3	N/A	equipment. Scaffolding in Room 19 near FW-10 point is only anchored at 1 point and could undergo significant deflection and create spatial interaction problems with near by plping	CR Initiated	See CR	CR 2012-12399
41	AWC-3	N/A	Substance was found accumulated in the base of FW-10 that could potentially be oil and a fire hazard	CR Initiated	See CR	CR 2012-12400
42	AWC-20	N/A	Spatial interaction observed between pipe and column near AC-1A and HCV-489A	CR Initiated	See CR	CR 2012-12404
43	AWC-19	N/A	Electrical chords hanging over area could pose fire hazard.	CR Initiated	See CR	CR 2012-12403
44	AWC-18	JB1301A	Spatial interaction observed between pipe and junction box JB1301A	CR Initiated	See CR	CR 2012-12402
45	AWC-17	N/A	Table with tools is unsecured and ladder is laying in red zone	CR Initiated	See CR	CR 2012-12401
46 47	AWC-27 SWC-48	N/A EE-8A	Bent hanger rod supporting line. Missing plant documentation to verify	CR Initiated Meets the Licensing Basis	See CR N/A	CR 2012-12405 N/A
47	5WC-46	EE-6A	configuration check.	through verification of plant drawings	N/A	N/A
48	SWC-49	EE-8C	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
49	SWC-58	NI-001-DA1	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
50	SWC-15	EE-4S	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
51	SWC-50	EE-8H	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
52	SWC-57	PI-2855-1	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
53	AWC-12	N/A	Wooden stairs possibly extra transient fire load to building. Work is being staged for WO 370448-01.	Refer to WO 370448-01	N/A	N/A
54	AWC-13	N/A	Wooden stairs possibly extra translent fire load to building. Work is being staged for WO 370448-01.	Refer to WO 370448-01	N/A	N/A
55	SWC-81	HCV-1040	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant drawings	N/A	N/A
56	SWC-40	HCV-1107B	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant	N/A	N/A
57	SWC-92	AC-5A	Pump vendor document shows 4 possible configurations. In field measurements agree with one configuration, but plant vendor document highlights a different chosen configuration for design.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
58	SWC-93	AC-5B	Pump vendor document shows 4 possible configurations. In field measurements agree with one configuration, but plant vendor document highlights a different chosen configuration for design.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
59	SWC-37	LCV-218-3	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
60	SWC-60	AC-4B	Missing Plant documentation for welded support to original saddle	Meets the Licensing Basis through verification of plant documents	N/A	N/A
61	SWC-70	C/PT-913	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
62	SWC-69	C/LT-911	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
63	SWC-87	HCV-2947	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
64	SWC-86	HCV- 305	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
65	SWC-85	HCV-2948	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
66	SWC-83	HCV-2918	Missing plant documentation to verify configuration check.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
67	SWC-52	FT-1368	Configuration differs from vendor configuration (bracket flipped). Drawing points to other installed drawing and needs follow up review.	Meets the Licensing Basis through verification of plant documents	N/A	N/A
68	SWC-13	1A3	There are wood cribbing blocks inside	CR Initiated	See CR	CR 2013-00522

LB#	SWC/AWC#	TAG ID (if applicable)	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION CONCLUSION	RESOLUTION	CR # (If Applicable)
69	SWC-13	1A3	Cubicle 1A3-4 contains a steel plate that separates the interior of the cabinet. This plate appears to be missing a bott. This is not a structural concern since this plate does not provide structural resistance of the cabinet and there are additional botts that keep the plate in place.	CR Initiated	See CR	CR 2013-08401
70	SWC-9	1B4A	Interconnecting bolts were missing which connect panels on 1B4A with 69/1B4A. It appears as if the bolts were there once. There are 3 bolts one side and 4 the other side remaining, and the stability and connection is judged to be adequate. CR 2013-07194 was issued to resolve the issue.	CR Initiated	See CR	CR 2013-07194

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-01</u> Originating SWC/AWC: <u>AWC-2</u>
Equipment ID No.: _ <i>N/A</i> Equip. Class: _ <i>N/A</i>
Equipment Description: <u>N/A</u>
Location: Bldg. <u>AUX</u> Floor El. <u>1024'</u> Room, Area <u>MISL ROOM 63, NEAR</u> <u>YCV-871H-20, YCV-871H</u>
Condition
Broom in area nearby the damper solenoid.
Documents Reviewed N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable):
Prepared by: Ryan Rymarczyk Bulling Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L-B- Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: _LB-02 Originating SWC/AWC: _SWC-38
Equipment ID No.: FCV-1369 Equip. Class: 7, PNEUMATIC-OPERATED VALVES
Equipment Description:TURB-DRIVEN AUX FEED PUMP FW-10 RECIRCULATION VALVE
Location: Bldg. AUX Floor El. 991' Room, Area 19, 3W'C-7N'3AA
Condition Missing clamp attaching unistrut and pipe. The unistrut holds the instrument line.
Documents Reviewed N/A, CR initiated.
Licensing Basis
N/A, CR initiated.
Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable):
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: _LB-03 Originating SWC/AWC: _SWC-21
Equipment ID No.: <u>FO-4A-2</u> Equip. Class: <u>5, HORIZONTAL PUMPS</u>
Equipment Description: <u>D2 FUEL OIL TRANSFER PUMP #1</u>
Location: Bldg. AUX Floor El. 1012' Room, Area 64, 3W'K-6S'2B
Condition Potentially missing fan clip above fuel oil transfer pump.
Documents Reviewed N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): 2012-10367
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evai	luation Form	
LB Evaluation No.: <u>LB-04</u>	Originating SWC/A	WC: <u>AWC-4</u>
Equipment ID No.: N/A	Equip. Class: _ <i>N/A</i>	<u>. </u>
Equipment Description: N/A		
Location: Bldg. AUX	Floor El. <u>1007'</u>	Room, Area <u>64 and 65, Near FO-17-2;</u> <u>FO-4A-2; SA-193; DG-2; FO-2-2; LO-32-2</u>
Condition		
Equipment Storage Bins on wheels the	at could potentially contact a n	earby wall.
Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.		
Conclusion Condition Meets the	Licensing Basis:	s ⊠ No
CR# (If applicable):2012-10368_		
Prepared by: Ryan Rymarczyk B	nsing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	B. B. B. Berner	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-05</u> Originating SWC/AWC: <u>SWC-51</u>
Equipment ID No.: <u>DG-2</u> Equip. Class: <u>17, ENGINE GENERATORS</u>
Equipment Description: _EMERGENCY DIESEL GENERATOR #2
Location: Bldg. AUX Floor El. 1010' Room, Area 64, 3E'F-7S'2B
Condition Insulation on a pipe above the diesel generator whose mass was not accounted for in seismic qualification report. Documents Reviewed
N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable):
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Kevin Bessell Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-06</u> Originating SWC/AWC: <u>SWC-16</u>
Equipment ID No.: <u>T1B-3C</u> Equip. Class: <u>4, TRANSFORMERS</u>
Equipment Description: 4160/480 TRANSFORMER BUS 1B3C
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 7W'C-17N'4A
Condition Overhead lighting lacks any covering for light bulbs.
Documents Reviewed N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No CR# (If applicable):
Prepared by: Ryan Rymarczyk Brown Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-07</u> Originating SWC/AWC: <u>SWC-49</u>
Equipment ID No.: <u>EE-8C</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>
Equipment Description: <u>125V DC BATTERY CHARGER NUMBER 1</u>
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>56, 9W'C-13N'6D</u>
Condition Overhead lighting lacks any covering for light bulbs.
<u>Documents Reviewed</u> N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): 2012-10423
Prepared by: Ryan Rymarczyk Bulling Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L-B- Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-08</u> Originating SWC/AWC: <u>SWC-12</u>
Equipment ID No.: <u>1A4-11</u> Equip. Class: <u>2, LOW VOLTAGE SWITCHGEAR AND</u> <u>BREAKER PANELS</u>
Equipment Description: BREAKER UNIT FEEDER FOR RAW WATER PUMP AC-10B
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 1A4
Condition Overhead lighting lacks any covering for light bulbs. Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable): <u>2012-10423</u>
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Li-Ball Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Eva	luation Form		
LB Evaluation No.: <u>LB-09</u>	Originating SW	C/AWC: <u>AWC-6</u>	
Equipment ID No.: N/A	Equip. Class: _	N/A	
Equipment Description: N/A			
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area 1B4C; 1A4-11	56, Near 1B4A; 1B4B; ; 1A4
Condition			
Overhead lighting lacks any covering	for light bulbs.		
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets the	Licensing Basis:	Yes ⊠ No)
CR# (If applicable): <u>2012-10423</u>			
Prepared by: <u>Ryan Rymarczyk</u> Zicer	nsing Basis Reviewer		Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell L	- B/ eer Reviewer		Date

Licensing Basis (LB) Eval	uation Form	
LB Evaluation No.: <u>LB-10</u>	Originating SWC/A	AWC: <u>AWC-7</u>
Equipment ID No.: N/A	Equip. Class: _ <i>N/A</i>	<u> </u>
Equipment Description: N/A		
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area <u>56 East, Near 1B3A; 1B3B;</u> <u>1B3C; 1A3; EE-4S; T1B-3C; EE-8F; EE-</u> <u>8C; EE-8H</u>
Condition Overhead lighting lacks any covering for	or light bulbs.	
Documents Reviewed N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation N/A, CR initiated.		
Conclusion Condition Meets the	Licensing Basis:	s 🛛 No
CR# (If applicable): <u>2012-10423</u>	_	
Prepared by: Ryan Rymarczyk BLicen	ാളംഗ് sing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	Bard	Date

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: _LB-11 Originating SWC/AWC: _AWC-8
Equipment ID No.: N/A Equip. Class: N/A
Equipment Description: <u>N/A</u>
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>57, Near NI-001-DA1</u>
Condition
Overhead lighting lacks any covering for light bulbs.
Documents Reviewed
N/A, CR initiated.
Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable):2012-10423
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L-B- Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evalu	uation Form	
LB Evaluation No.: <u>LB-12</u>	Originating SWC/A	WC: <u>AWC-9</u>
Equipment ID No.: N/A	Equip. Class: _ <i>N/A</i>	<u>1</u>
Equipment Description: N/A		
Location: Bldg. AUX	Floor El. <u>1011'</u>	Room, Area <u>57, Near MCC-3B1-C2R</u>
Condition Overhead lighting lacks any covering for	r light bulbs.	
<u>Documents Reviewed</u> N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation N/A, CR initiated.		
Conclusion Condition Meets the LCR# (If applicable):2012-10423	Licensing Basis:	s 🛛 No
Prepared by: Ryan Rymarczyk BLicens	ing Basis Reviewer	Date
Reviewed by: Kevin Bessell Pee	Bull Reviewer	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: _LB-13 Originating SWC/AWC: _SWC-15
Equipment ID No.: <u>EE-4S</u> Equip. Class: <u>4, TRANSFORMERS</u>
Equipment Description: _INVERTER #1, EE-8P BYPASS TRANSFORMER
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>56, 0W'C-11N'6D</u>
Condition Overhead lighting lacks any covering for light bulbs.
Documents Reviewed N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): 2012-10423
Prepared by: Ryan Rymarczyk B Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L-B- Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-14</u> Originating SWC/AWC: <u>SWC-50</u>
Equipment ID No.: <u>EE-8H</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>
Equipment Description: _INSTRUMENT BUS "A" INVERTER "A"
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>56, 7W'C-6N'6D</u>
Condition Overhead lighting lacks any covering for light bulbs.
<u>Documents Reviewed</u> N/A, CR initiated.
Licensing Basis
N/A, CR initiated.
Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable): <u>2012-10423</u>
Prepared by: Ryan Rymarczyk Basis Reviewer Date 10/11/2012
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-15</u> Originating SWC/AWC: <u>AWC-6</u>
Equipment ID No.: N/A Equip. Class: N/A
Equipment Description: <u>N/A</u>
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>56, Near 1B4A; 1B4B;</u> <u>1B4C; 1A4-11; 1A4</u>
Condition
Rollable FME storage cart unrestrained near cabinets.
Documents Reviewed N/A, CR initiated.
Licensing Basis N/A, CR initiated.
Evaluation N/A, CR initiated.
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable):2012-10425
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Li-Bull Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation I	Form	
LB Evaluation No.: <u>LB-16</u> O	originating SWC/AWC: <u>SWC-46</u>	
• •	quip. Class: <u>14, DISTRIBUTION</u> UTOMATIC TRANSFER SWITCHE	
Equipment Description: <u>125V DC NUMBER 1</u>	MAIN DISTRIBUTION PANEL	
Location: Bldg. <u>AUX</u> Floor El.	Room, Area	56, 9W'C-0N'7A
Condition EE-8C has 3/8" Gap from EE-8F creating seismic Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.	interaction issue.	
Conclusion Condition Meets the Licensing	Basis: ☐ Yes ☐ No	
CR# (If applicable):		
Prepared by: Ryan Rymarczyk Bullicensing Basis	Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell L. B. Peer Reviewe	er	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-17</u> Originating SWC/AWC: <u>SWC-49</u>
Equipment ID No.: <u>EE-8C</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>
Equipment Description: <u>125V DC BATTERY CHARGER NUMBER 1</u>
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 9W'C-13N'6D
Condition EE-8C has 3/8" Gap from EE-8F creating seismic interaction issue.
Documents Reviewed
N/A, CR initiated.
Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No
CR# (If applicable): <u>2012-10427</u>
Prepared by: Ryan Rymarczyk Book Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Kevin Bessell Peer Reviewer

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-18</u> Originating SWC/AWC: <u>SWC-1</u>			
Equipment ID No.: <u>AC-12B</u> Equip. Class: <u>0, OTHER</u>			
Equipment Description: _ <i>RAW WATER PUMP</i>			
Location: Bldg. <u>INTAKE</u> Floor El. <u>994'</u> Room, Area <u>INTAKE, 1E'CC-1N'104</u>			
Condition Anchor bolts from strainer base to concrete lack thread engagement with their nuts.			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☐ No			
CR# (If applicable): <u>2012-10553</u>			
Prepared by: Ryan Rymarczyk B Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer			

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-19</u> Originating SWC/AWC: <u>AWC-13</u>			
Equipment ID No.: <u>AC-12A</u> Equip. Class: <u>0, OTHER</u>			
Equipment Description: Raw Water Strainer			
Location: Bldg. <u>INTAKE</u> Floor El. <u>994'</u> Room, Area _	INTAKE_		
Condition Anchor bolts from strainer base to concrete lack thread engagement with their nuts.			
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation N/A, CR initiated.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No			
CR# (If applicable): <u>2012-10553</u>			
Prepared by: Ryan Rymarczyk Bullicensing Basis Reviewer	Date <u>10/11/2012</u>		
Reviewed by: Kevin Bessell L. B. Peer Reviewer	Date <u>10/12/2012</u>		

Licensing Basis (LB) Evaluation Form		
LB Evaluation No.: <u>LB-20</u>	Originating SWC/A	AWC: <u>AWC-11</u>
Equipment ID No.: N/A	Equip. Class: <u>N/A</u>	<u>1. </u>
Equipment Description: <u>N/A</u>		
Location: Bldg. <u>INTAKE</u>	Floor El. <u>994'</u>	Room, Area <u>North Basement Room,</u> Near AC-12B; AC-12B-M; AC-10D
Condition		
Portable light plugged in and hung und	secured above an open sump	оитр.
Documents Reviewed N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation N/A, CR initiated.		
Conclusion Condition Meets the	Licensing Basis:	s 🛭 No
CR# (If applicable): <u>2012-10628</u>		
Prepared by: Ryan Rymarczyk BLicer	nsing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell	Bud	Date <u>10/12/2012</u>
Pe	er Reviewer	

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-21</u>	Originating SWC/AWC:	SWC-57	
Equipment ID No.: PI-2855-1	Equip. Class: 18, INSTE	RUMENT RACKS	
Equipment Description: <u>RAW</u>	WATER PUMP AC-10B DISCHARGE PR	RESSURE INDICATOR	
Location: Bldg. <u>INTAKE</u>	Floor El. <u>998'</u> Roor	m, Area <u>INTAKE, 16W'BB-10N'103</u>	
Condition Light bulbs could fall and damage	gauge.		
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets CR# (If applicable):	s the Licensing Basis:	⊠ No	
Prepared by: <u>Ryan Rymarczy</u> L	icensing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: <u>Kevin Bessell</u>	L.B. Peer Reviewer	Date <u>10/12/2012</u>	

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-22</u> Originating SWC/AWC: <u>AWC-10</u>			
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>			
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>INTAKE</u> Floor El. <u>1007'</u> Room, Area <u>Grade Floor, Near FP-1B</u>			
Condition Transient materials left in non-storage area.			
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): 2012-10630			
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer			

Licensing Basis (LB) Evaluation Form		
LB Evaluation No.: <u>LB-23</u> Originating SWC/AWC: <u>AWC-12</u>		
Equipment ID No.: N/A	Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>	
Equipment Description: <u>N/A</u>		
Location: Bldg. <u>INTAKE</u>	Floor El. <u>994'</u>	Room, Area <u>Middle Basement Room,</u> Near AC-10B; HCV-2875A; PI-2855-1
Condition		
Light bent around equipment and hung	y very close to small line creat	ing seismic spatial interaction.
N/A, CR initiated. Licensing Basis N/A, CR initiated.	·	
Evaluation N/A, CR initiated.		
Conclusion Condition Meets the	Licensing Basis: Yes	s ⊠ No
CR# (If applicable): <u>2012-10631</u>	_	
Prepared by: Ryan Rymarczyk B	sing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell	But	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form		
LB Evaluation No.: <u>LB-24</u> Originating SWC/AWC: <u>AWC-15</u>		
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>		
Equipment Description: <u>N/A</u>		
Location: Bldg. AUX Floor El. 1036' Room, Area 72, Near TCV-893; VA-46A	Ĺ	
Condition		
A clamp on a rope was attached near SR equipment creating a seismic spatial interaction condition.		
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis		
N/A, CR initiated.		
<u>Evaluation</u>		
N/A, CR initiated.		
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No		
CR# (If applicable): <u>2012-10672</u>		
Prepared by: Ryan Rymarczyk B Date 10/11/2012		
Licensing Basis Reviewer		
Reviewed by: Kevin Bessell Peer Reviewer		

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-25</u> Originating SWC/AWC: <u>AWC-15</u>			
Equipment ID No.: N/A Equip. Class: N/A			
Equipment Description: <u>N/A</u>			
Location: Bldg. AUX Floor El. 1036' Room, Area 72, Near TCV-893; VA-46A			
Condition A beam was observed installed to an embed plate via slotted holes in the vertical direction thus possibly putting the bolts in bending under gravity loading. Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No			
CR# (If applicable):			
Prepared by: Ryan Rymarczyk Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer			

Licensing Basis (LB) Eva	lluation Form	
LB Evaluation No.: <u>LB-26</u>	Originating SWC/AWC: <u>AWC-14</u>	
Equipment ID No.: N/A	Equip. Class: _ <i>N/</i>	<u> </u>
Equipment Description: N/A		
Location: Bldg. AUX	Floor El. <u>1036'</u>	Room, Area <u>77, Near DC-BUS-AI-41A;</u> <u>I-BUS-A; AI-40A; AI-41A; RM-051</u>
Condition		
Large mobile white board with unlock	ed wheels creating a seismic s	spatial interaction condition.
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis		
N/A, CR initiated.		
Evaluation		
N/A, CR initiated.		
Conclusion Condition Meets the	e Licensing Basis:	s 🛛 No
CR# (If applicable): <u>2012-10684</u>		
Prepared by: Ryan Rymarczyk 73	2 Bil	Date
Lice	nsing Basis Reviewer	
Reviewed by: <u>Kevin Bessell</u>	Bard	Date

Licensing Basis (LB) Evaluation	on Form	
LB Evaluation No.: _LB-27	Originating SWC/AWC: _AWC	D-14
Equipment ID No.: <u>N/A</u>	Equip. Class: N/A	
Equipment Description: N/A		
Location: Bldg. AUX Floor		ea <u>77, Near DC-BUS-AI-41A;</u> <u>I-40A; AI-41A; RM-051</u>
Condition		
Water cooler with high C.G. could move and in	mpact SR equipment.	
Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.		
Conclusion Condition Meets the Licens	sing Basis: Yes	No
CR# (If applicable): <u>2012-10684</u>		
Prepared by: Ryan Rymarczyk B. Licensing B.	esis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u> <u>H. B.</u> Peer Rev	<i>l</i> iewer	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-28</u>	Originating SWC/AV	VC: <u>SWC-92</u>	
Equipment ID No.: <u>AC-5A</u>	Equip. Class: <u>5, HC</u>	ORIZONTAL PUMPS	
Equipment Description: SPENT F	UEL POOL CIRCULATING PUM	<u>1P</u>	
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>5, 10E'T-3N'5D</u>	
Condition Block wall lateral restraint is not in co state. Documents Reviewed	ntact with block wall and is possil	bly not restraining block wall in current	
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
<u>Evaluation</u>			
N/A, CR initiated.			
<u>Conclusion</u> Condition Meets th	e Licensing Basis:	⊠ No	
CR# (If applicable): <u>2012-10915</u>			
Prepared by: Ryan Rymarczyk 73 Lice	nsing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: Kevin Bessell	- Bard	Date <u>10/12/2012</u>	

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-29</u>	Originating SWC/	AWC: <u>SWC-93</u>	
Equipment ID No.: AC-5B	Equipment ID No.: <u>AC-5B</u> Equip. Class: <u>5, HORIZONTAL PUMPS</u>		
Equipment Description: <u>SPENT</u>	FUEL POOL CIRCULATING PL	<u>JMP</u>	
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>5, 14E'T-3N'5D</u>	
Condition Block wall lateral restraint is not in a state. Documents Reviewed N/A, CR initiated. Licensing Basis	contact with block wall and is pos	ssibly not restraining block wall in current	
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
Conclusion Condition Meets t	the Licensing Basis:	s 🛛 No	
CR# (If applicable):	5		
Prepared by: <u>Ryan Rymarczyk</u> Lic	BBC censing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: Kevin Bessell	Li- But	Date <u>10/12/2012</u>	

Licensing Basis (LB) E	valuation Form		
LB Evaluation No.: <u>LB-30</u>	Originating SW	C/AWC: <u>AWC-18</u>	
Equipment ID No.: N/A	Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>		
Equipment Description: <u>N/A</u>			
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>5, Near AC-5A; AC-5B;</u> <u>HCV-478; AC-8</u>	
Condition			
Block wall lateral restraint is not in state.	n contact with block wall and is p	possibly not restraining block wall in current	
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets	s the Licensing Basis:	Yes 🛛 No	
CR# (If applicable):	015		
Prepared by: <u>Ryan Rymarczy</u> L	k Bolicensing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: <u>Kevin Bessell</u>	Li-Bul Peer Reviewer	Date <u>10/12/2012</u>	

Licensing Basis (LB) Eva	lluation Form		
LB Evaluation No.: <u>LB-31</u>	Originating SWC/A	AWC: <u>AWC-19</u>	
Equipment ID No.: N/A	quipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>		
Equipment Description: N/A			
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>7, Near CH-193; LCV-218-</u> 3; CH-172	
Condition			
Cart on wheels with tools and chemic	al cleaners on it could roll and	strike safety related equipment.	
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets the	e Licensing Basis:	s 🛛 No	
CR# (If applicable): <u>2012-10916</u>			
Prepared by: Ryan Rymarczyk 73 Lice	nsing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: Kevin Bessell	But	Date	
Pe	eer Reviewer		

Licensing Basis (LB) Eval	luation Form	
LB Evaluation No.: <u>LB-32</u>	Originating SWC//	AWC: <u>AWC-20</u>
Equipment ID No.: N/A	Equip. Class: _ <i>N/</i>	4
Equipment Description: N/A		
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>4, Near AC-1A; HCV-484;</u> HCV-497; HCV-489B
Condition		
Chain from trolley above AC-1A is not equipment during seismic event.	securely tied down, therefore	it could possibly strike safety related
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation		
N/A, CR initiated.		
Occasion Occasion Marketha	Linearine Bosine Vo	- N.
Conclusion Condition Meets the	Licensing Basis:	s 🛛 No
CR# (If applicable): <u>2012-10917</u>		
Prepared by: Ryan Rymarczyk 73	-Bil	Date <u>10/11/2012</u>
Licen	ising Basis Reviewer	
Reviewed by: <u>Kevin Bessell</u>	Bul	Date

Licensing Basis (LB) Eva	iuation Form		
LB Evaluation No.: <u>LB-33</u>	Originating SWC	C/AWC: <u>AWC-1</u>	9
Equipment ID No.: N/A	Equip. Class: _ <u>/</u>	<u>//A</u>	
Equipment Description: N/A			
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>3; CH-172</u>	
Condition			
Concrete pitting near support.			
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
Conclusion Condition Meets the	E Licensing Basis:	es 🛚 No)
CR# (If applicable): <u>2012-10919</u>			
Prepared by: Ryan Rymarczyk 73/	-Bil		Date <u>10/11/2012</u>
Licen	nsing Basis Reviewer		
Reviewed by: Kevin Bessell	Bul		Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-34</u> Originating SWC/AWC: <u>SWC-60</u>	
Equipment ID No.: <u>AC-4B</u> Equip. Class: <u>21, TANKS AND HEAT EXCHANGERS</u>	
Equipment Description: SHUTDOWN COOLING HEAT EXCHANGER	
Location: Bldg. AUX Floor El. 994' Room, Area 15, 13W'E-17S'7A	
Condition Missing chunks of concrete around anchors and anchors possibly cut negating capabilities of anchorage.	
Documents Reviewed N/A, CR initiated.	
Licensing Basis N/A, CR initiated.	
Evaluation N/A, CR initiated.	
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): 2012-11039	
Prepared by: Ryan Rymarczyk Book Date 10/11/2012 Licensing Basis Reviewer	
Reviewed by: Kevin Bessell Li-Ball Date 10/12/2012 Peer Reviewer	

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-35</u>	Originating SWC/A	WC: <u>AWC-22</u>	
Equipment ID No.: N/A	Equip. Class: <u>N/A</u>		
Equipment Description: <u>N/A</u>			
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>1</u> 2880A; HCV-289	8, Near HCV-2877A; HCV- 93
Condition			
Unsecured chains from hoist are located	d unsecured near AC-1C and	AC-1D.	
Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.			
Conclusion Condition Meets the L	icensing Basis:	⊠ No	
CR# (If applicable): <u>2012-11041</u>	-		
Prepared by: Ryan Rymarczyk 73 Licens	ing Basis Reviewer		Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	Bud		Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluat	tion Form	
LB Evaluation No.: <u>LB-36</u>	Originating SWC/A	
Equipment ID No.: N/A	Equip. Class: <u>N/A</u>	1
Equipment Description: N/A		
Location: Bldg. <u>AUX</u> Flo	oor El. <u>971'</u>	Room, Area <u>21, Near HCV-2917; HCV-</u> 2918; HCV-2947; HCV-2948; HCV-305
Condition		
Missing bolt on pipe support for line SI-1A.		
Documents Reviewed N/A, CR initiated.		•
Licensing Basis N/A, CR initiated.		
Evaluation N/A, CR initiated.		
Conclusion Condition Meets the Lice	ensing Basis:	s 🛛 No
CR# (If applicable): <u>2012-11277</u>		
Prepared by: Ryan Rymarczyk B Licensing	Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell High	Reviewer	Date <u>10/12/2012</u>

Licensing Basis (LB) Eva	luation Form		
LB Evaluation No.: <u>LB-37</u>	Originating SWC/	AWC: <u>AWC-30</u>	
Equipment ID No.: P/B-249C	Equip. Class: <u>N/</u>	4	
Equipment Description: N/A			
Location: Bldg. <u>CONT</u>	Floor El. <u>994'</u>	Room, Area <u>Cont., Near B/LT-911;</u> <u>B/PT-913</u>	
Condition			
Anchor bolts on the baseplate for sup	port posts are severely corrod	ed and need to be replaced.	
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
Conclusion Condition Mosto the	e Licensing Basis: Ye	s 🕅 No	
Conclusion Condition Meets the	e Licensing basis fe	S NO	
CR# (If applicable):			
Prepared by: Ryan Rymarczyk 73	rpel	Date <u>10/11/2012</u>	
Licer	nsing Basis Reviewer		
Reviewed by: Kevin Bessell	Bul	Date	
	eer Reviewer		

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-38</u>	Originating SWC	C/AWC: _ <i>AWC-30</i>	
Equipment ID No.: WD-1	Equip. Class: <i>t</i>	<u> </u>	
Equipment Description: N/	<u>4</u>		
Location: Bldg. <u>CONT</u>	Floor El. <u>1013'</u>	Room, Area <u>Cont., Near B/LT-911;</u> <u>B/PT-913</u>	
Condition			
There was no tag identified for adjacent equipment.	scaffolding around tank WD-1. Sca	affolding could cause interaction issues with	
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
Conclusion Condition Me	ets the Licensing Basis:	es 🗵 No	
CR# (If applicable):2012-	11880		
Prepared by:Ryan Rymard	ozvk Bra	Date <u>10/11/2012</u>	
	Licensing Basis Reviewer		
Reviewed by: <u>Kevin Bessel</u>	1 Lin Bard	Date	

Licensing Basis (LB) Eval	uation Form	
LB Evaluation No.: <u>LB-39</u>	Originating SWC/A\	NC: <u>AWC-30</u>
Equipment ID No.: A/LT-911	Equip. Class: <u>18, /</u>	NSTRUMENT RACKS
Equipment Description: STEAM GE	NERATOR RC-2A WIDE RAN	IGE LEVEL TRANSMITTER
Location: Bldg. <u>CONT</u>		Room, Area <u>Cont., Near B/LT-911;</u> <u>B/PT-913</u>
Condition		
Hanging light from a flexible rod poses	a seismic interaction concern v	vith adjacent equipment.
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation		
N/A, CR initiated.		
Conclusion Condition Meets the	Licensing Basis: Yes	⊠ No
CR# (If applicable):	_	
Prepared by: Ryan Rymarczyk 73-Licens	sing Basis Reviewer	Date
Reviewed by: <u>Kevin Bessell</u>	Bul	Date

Licensing Basis (LB) E	valuation Form	
LB Evaluation No.: <u>LB-40</u>	Originating SV	NC/AWC: <u>AWC-3</u>
Equipment ID No.: N/A	Equip. Class:	<u> </u>
Equipment Description: N/A		
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>19, Near FW10; FW172;</u> FCV-1369
Condition		
Scaffolding in Room 19 near FW- and create spatial interaction prob	•	point and could undergo significant deflection
Documents Reviewed		
N/A, CR initiated.		
<u>Licensing Basis</u> N/A, CR initiated.		
Evaluation		
N/A, CR initiated.		
Conclusion Condition Meets	the Licensing Basis:	Yes 🛛 No
CR# (If applicable):	99	
Prepared by: <u>Ryan Rymarczyl</u> L	k Brush	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	L. B. J. Peer Reviewer	Date <u>10/12/2012</u>

Licensing Basis (LB) I	Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-41</u>	Originating	SWC/AWC: <u>AWC-3</u>		
Equipment ID No.: N/A	Equip. Clas	s: <u>////</u>		
Equipment Description: <u>N/A</u>				
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>19, <i>Near FW10; FW172;</i></u> <u>FCV-1369</u>		
Condition				
Substance was found accumulate	ed in the base of FW-10 that	could potentially be oil and a fire hazard.		
Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.				
Conclusion Condition Meet	s the Licensing Basis: [☐ Yes		
CR# (If applicable):	400			
Prepared by: <u>Ryan Rymarczy</u> l	icensing Basis Reviewer	Date <u>10/11/2012</u>		
Reviewed by: <u>Kevin Bessell</u>	L. Bul Peer Reviewer	Date <u>10/12/2012</u>		

Licensing Basis (LB) Evaluation Form				
LB Evaluation	B Evaluation No.: <u>LB-42</u> Originating SWC/AWC: <u>AWC-20</u>			
Equipment ID	No.: <u><i>N/A</i></u>	Equip. Class	: <u>N/A</u>	
Equipment De	scription: <u>N/A</u>			
Location: B	ildg <i>AUX</i>	Floor El. <u>989'</u>	Room, Area _ <u>HCV-497; HCV</u>	4, Near AC-1A; HCV-484; /-489B
Condition				
Spatial interaction	on observed between j	oipe and column near A	C-1A and HCV-489A.	
Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.				
Conclusion	Condition Meets the	Licensing Basis:] Yes 🛛 No	
CR# (If applica	able): <u>2012-12404</u>			
Prepared by:	_ <i>Ryan Rymarczyk 73-</i> Licer	nsing Basis Reviewer		Date
Reviewed by:	Kevin Bessell Pe	Ber Reviewer		Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-43</u>	Originating SWC/AWC: <u>AWC-19</u>		
Equipment ID No.: N/A	Equip. Class: <u>N/</u>	<u>'A</u>	
Equipment Description: N/A			
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area _ <u>3; CH-172</u>	7, Near CH-193; LCV-218-
Condition			
Electrical chords hanging over area of	ould pose fire hazard.		
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets th	e Licensing Basis:	es 🛭 No	
CR# (If applicable): <u>2012-12403</u>	<u></u>		
Prepared by: Ryan Rymarczyk 75 Lice	ensing Basis Reviewer		Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	B. B. C. Peer Reviewer		Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form				
LB Evaluation I	LB Evaluation No.: <u>LB-44</u> Originating SWC/AWC: <u>AWC-18</u>			
Equipment ID N	No.: <u>JB1301A</u>	Equip. Class: _ <i>N/</i> .	4	
Equipment Des	scription: <u>N/A</u>			
Location: Bl	ldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area _ <i>HCV-478; AC-</i> 8	<u>5, Near AC-5A; AC-5B;</u> 3
Condition Spatial interaction observed between pipe and junction box JB1301A.				
Documents Reviewed N/A, CR initiated.				
Licensing Basis N/A, CR initiated.				
Evaluation N/A, CR initiated	1 .			
Conclusion	Condition Meets the	Licensing Basis: Ye	s 🛚 No	
CR# (If applica	ble): <u>2012-12402</u>	_		
Prepared by:	Ryan Rymarczyk 73- Licens	sing Basis Reviewer		Date <u>10/11/2012</u>
Reviewed by: _		B. B. Berrer		Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form				
LB Evaluation No.: <u>LB-45</u>	Originating SWC/	Originating SWC/AWC: <u>AWC-17</u>		
Equipment ID No.: N/A	Equip. Class: _ <i>N/</i>	<u>A</u>		
Equipment Description: _N	<u>/A</u>			
Location: Bldg. AUX	Floor El. <u>989'</u>	Room, Area <u>6, near CH-1A; HCV-</u> 474		
Condition				
Table with tools is unsecured	and ladder is laying in red zone.			
Documents Reviewed N/A, CR initiated.				
Licensing Basis N/A, CR initiated.				
Evaluation N/A, CR initiated.				
Conclusion Condition M	eets the Licensing Basis:	s 🛛 No		
CR# (If applicable):2012	<u>-12401</u>			
Prepared by: Ryan Ryma	rczyk B B Licensing Basis Reviewer	Date <u>10/11/2012</u>		
Reviewed by: <u>Kevin Besse</u>	Peer Reviewer	Date		

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-46</u> Originating SWC/AWC: <u>AWC-27</u>			
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>			
Equipment Description: _N/A_			
Location: Bldg. AUX Floor El. 1007' Room, Area 26, Near CH-115; CH-143; CH-4A			
Condition			
Bent hanger rod supporting line.			
Documents Reviewed N/A, CR initiated.			
TWA, CA I'lliated.			
<u>Licensing Basis</u>			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No			
CR# (If applicable):			
Prepared by: Ryan Rymarczyk 73-73-12 Date 10/11/2012			
Licensing Basis Reviewer			
Reviewed by: Kevin Bessell L. Bard Date 10/12/2012			
Peer Reviewer			

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-47</u> Originating SWC/AWC: <u>SWC-48</u>			
Equipment ID No.: <u>EE-8A</u> Equip. Class: <u>15, BATTERY RACKS</u>			
Equipment Description: <u>125 VDC STATION BATTERY NO. 1</u>			
Location: Bldg. AUX Floor El. 1012' Room, Area 54, 9W'C-15N'7B			
Condition Missing plant documentation during the walkdown to verify anchorage configuration.			
D-4691 (File#41592)			
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No			
CR# (If applicable): <u>N/A</u>			
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell Li-Bul Date 10/12/2012			

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-48</u> Originating SWC/AWC: <u>SWC-49</u>			
Equipment ID No.: <u>EE-8C</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>			
Equipment Description: <u>125V DC BATTERY CHARGER NUMBER 1</u>			
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 9W'C-13N'6D			
Condition			
Missing plant documentation during the walkdown to verify anchorage configuration.			
Documents Reviewed			
SEWS EE-8C, page 4 of 10			
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No			
CR# (If applicable): _N/A			
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell Kevin Bessell Peer Reviewer			

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-49</u> Originating SWC/AWC: <u>SWC-58</u>			
Equipment ID No.: NI-001-DA1 Equip. Class: 20, INSTRUMENTATION AND CONTROL PANELS			
Equipment Description: <u>INSTRUMENT MODULE FOR NUETRON FLUX MONITORING</u>			
Location: Bldg. AUX Floor El. 1013' Room, Area 57, Al-212			
Condition Missing plant documentation during the walkdown to verify anchorage configuration.			
Documents Reviewed D-4166 (File#22677)			
<u>Licensing Basis</u> The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage.			
Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No			
CR# (If applicable):N/A			
Prepared by: Ryan Rymarczyk B Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell Li-Ball Date 10/12/2012 Peer Reviewer			

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-50</u> Originating SWC/AWC: <u>SWC-15</u>			
Equipment ID No.: <u>EE-4S</u> Equip. Class: <u>4, TRANSFORMERS</u>			
Equipment Description: <u>INVERTER #1, EE-8P BYPASS TRANSFORMER</u>			
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 0W'C-11N'6D			
Condition			
Missing plant documentation during the walkdown to verify anchorage configuration.			
Documents Reviewed			
SEWS EE-4S, page 4 of 11			
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided			
Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.			
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No			
CR# (If applicable):			
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer			
Reviewed by: Kevin Bessell L-Pal Date 10/12/2012 Peer Reviewer			

Licensing Basis (LB) Evaluation Form				
LB Evaluation No.: <u>LB-51</u> Originating SWC/AWC: <u>SWC-50</u>				
Equipment ID No.: <u>EE-8H</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>				
Equipment Description: _INSTRUMENT BUS "A" INVERTER "A"				
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 7W'C-6N'6D				
Condition Missing plant documentation during the walkdown to verify anchorage configuration. Documents Reviewed				
SEWS EE-8H, page 4 of 5 Licensing Basis				
The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation				
The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.				
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No				
CR# (If applicable): <u>N/A</u>				
Prepared by: Ryan Rymarczyk Bulling Basis Reviewer Date 10/11/2012				
Reviewed by: Kevin Bessell Li-Park				

Licensing Basis (LB) Evaluation Form			
LB Evaluation No.: <u>LB-52</u> Originating SWC/AWC: <u>SWC-57</u>			
Equipment ID No.: PI-2855-1 Equipment	uip. Class: <u>18, INSTRUMENT RACKS</u>		
Equipment Description: RAW WATER PUMP A	C-10B DISCHARGE PRESSURE INDICATOR		
Location: Bldg. <u>INTAKE</u> Floor El	998' Room, Area <u>INTAKE, 16W'BB-10N'103</u>		
Condition			
Missing plant documentation during the walkdown to	verify anchorage configuration.		
Documents Reviewed			
FC06072, Rev. 0			
Licensing Basis			
	ndition is the plant licensed design documents provided		
above used for configuration verification of the installed anchorage.			
Evaluation			
The field sketch of the anchorage provided for verification of configuration matches the document identified			
above, therefore the anchorage of the item meets the current licensing basis.			
Conclusion Condition Meets the Licensing B	asis: 🛛 Yes 🗌 No		
CR# (If applicable): <i>N/A</i>			
n Rabel	Date _ <i>10/11/2012</i>		
Prepared by: Ryan Rymarczyk Bullette Licensing Basis F			
_			
Reviewed by: Kevin Bessell Lin Band	Date		

Licensing Basis (LB) Evaluation Form			
_B Evaluation No.: _LB-53 Originating SWC/AWC: _AWC-12			
Equipment ID No.: N/A	Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>		
Equipment Description: N/A			
Location: Bldg. <u>INTAKE</u>	Floor El. <u>994'</u>	Room, Area <u>Middle Basement Room,</u> Near AC-10B; HCV-2875A; PI-2855- 1	
Condition			
Wooden stairs possibly extra transier	nt fire load to building. Work is	s being staged for WO 370448-01.	
Documents Reviewed N/A - Refer to WO 370448-01. Licensing Basis N/A - Refer to WO 370448-01. Evaluation N/A - Refer to WO 370448-01.			
Conclusion Condition Meets th	e Licensing Basis: 🛛 Y	es 🗌 No	
CR# (If applicable): N/A			
Prepared by: Ryan Rymarczyk 75 Lice	ensing Basis Reviewer	Date	
Reviewed by: <u>Kevin Bessell</u>	Z. B. J.	Date <u>10/12/2012</u>	

Licensing	Basis (LB) Eva	luation Form		
LB Evaluation	No.: <u>LB-54</u>	Originatin	g SWC/AWC: <u>AWC-13</u>	<u> </u>
Equipment ID	No.: <u>N/A</u>	Equip. Class: <u>N/A</u>		
Equipment De	escription: <u>N/A</u>			
Location: [Bldg. <u>INTAKE</u>	Floor El. <u>994'</u>	Room, Area _ <i>Near HCV-287</i>	South Basement Room, 4A
Condition				
Wooden stairs	possibly extra transier	nt fire load to building.	Work is being staged for	WO 370448-01.
Documents F	Reviewed			
N/A - Refer to \	WO 370448-01.			
Licensing Ba	nsis			
	WO 370448-01.			
<u>Evaluation</u>				
	WO 370448-01.			
Conclusion	Condition Meets th	e Licensing Basis:		
CR# (If applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk 7	RoBil		Date <u>10/11/2012</u>
r roparoa by.	Lice	nsing Basis Review	er	
Reviewed by	Kevin Bessell	Burd		Date
		eer Reviewer		

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-55</u> Originating SWC/AWC: <u>SWC-81</u>
Equipment ID No.: <u>HCV-1040</u> Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>
Equipment Description:MAIN STEAM ATMOSPHERIC DUMP VALVE
Location: Bldg. AUX Floor El. 1044' Room, Area 81, 10W'D-10S'5B
Condition
Missing plant documentation during the walkdown to verify anchorage configuration.
Documents Reviewed
D-4758, Sh. 3
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No
CR# (If applicable):
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L-B

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-56</u> Originating SWC/AWC: <u>SWC-40</u>
Equipment ID No.: <u>HCV-1107B</u> Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>
Equipment Description: STEAM GENERATOR RC-2A AUXILIARY FEEDWATER INLET VALVE
Location: Bldg. <u>AUX</u> Floor El. <u>1038'</u> Room, Area <u>81, 0W'H-4N'3A</u>
Condition Missing plant documentation during the walkdown to verify anchorage configuration.
Documents Reviewed
D-4238 Sh. 7 (File#22298), A-4554 (File#37257), 6340 Sh. 1 (File#27608), 6340 Sh. 2 (File#27609), 6340 Sh. 4 (File#27611).
Licensing Basis
The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage.
above used for configuration verification of the installed anchorage.
<u>Evaluation</u>
HCV-1107B is supported by FWH-224 and FWS-116 per D-4238 Sh.7 (File#22298). The field sketch of the anchorage provided for verification of configuration matches the documents identified above. Support FWH-224 has been verified under drawing A-4554 and FWS-116 has been verified under drawings 6340 Shts. 1, 2 and 4. The sketch contained in SWC-40 indicates 3/8" diameter bolts, however, 1/2" diameter bolts are indicated in the design drawings. The measurement is within 1/3" tolerance and the measurement in the field is judged to be in error, therefore configuration is acceptable.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No
CR# (If applicable):N/A
Prepared by: Ryan Rymarczyk Bullette Date 10/23/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Li-Ball Date 10/23/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-57</u> Originating SWC/AWC: <u>SWC-92</u>	
Equipment ID No.: <u>AC-5A</u> Equip. Class: <u>5, HORIZONTAL PUMPS</u>	
Equipment Description: SPENT FUEL POOL CIRCULATING PUMP	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area <u>5, 10E'T-3N'5L</u>	<u> </u>
Condition	
Pump vendor document shows 4 possible configurations. In field measurements agree with one conbut plant vendor document highlights a different chosen configuration for design.	nfiguration,
Documents Reviewed	
789A701 SH.2 (File#10331)	
Licensing Basis	
The licensing basis associated with the identified condition is the plant licensed design documents above used for configuration verification of the installed anchorage.	provided
<u>Evaluation</u>	
Although the vendor configuration recommends one condition, the as-installed condition matches w provided in the plant design basis document referenced above, therefore the equipment is in conformal configuration.	
the current licensing basis.	
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No	
CR# (If applicable):N/A	
7) 7) e Poto 10/11	1/2012
Prepared by: Ryan Rymarczyk Brights Date 10/11	<u>/2012</u>
Licensing Basis Reviewer	
Reviewed by: Kevin Bessell L. Bull Date 10/12	2/2012
Peer Reviewer	

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-58</u> Originating SWC/AWC: <u>SM</u>	/C-93
Equipment ID No.: <u>AC-5B</u> Equip. Class: <u>5</u>	
Equipment Description: SPENT FUEL POOL CIRCULATING PUMP	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, A	rea <u>5, 14E'T-3N'5D</u>
Condition	
Pump vendor document shows 4 possible configurations. In field measurement but plant vendor document highlights a different chosen configuration for design	-
Documents Reviewed	
789A701 SH.2 (File#10331)	
Licensing Basis	
The licensing basis associated with the identified condition is the plant licensed above used for configuration verification of the installed anchorage.	d design documents provided
Evaluation	
Although the vendor configuration recommends one condition, the as-installed provided in the plant design basis document referenced above, therefore the edithe current licensing basis.	
Conclusion Condition Meets the Licensing Basis: ⊠ Yes □] No
CR# (If applicable): _N/A	
Prepared by:	Date <u>10/11/2012</u>
Reviewed by:Kevin Bessell	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-59</u> Originating SWC/AWC: <u>SWC-37</u>
Equipment ID No.: <u>LCV-218-3</u> Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>
Equipment Description: CHRG PUMPS CH-1A,B&C SUCT HDR SAFETY INJ & BORIC ACID SUPPLY VLV
Location: Bldg. AUX Floor El. 992' Room, Area 7, 45W'T-2N'7B
Condition Missing plant documentation during the walkdown to verify anchorage configuration. Documents Reviewed
SEWS LCV-218-3, page 5; Dwg 6439 SH.1-6 (File#'s 27031-27036).
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No
CR# (If applicable): <i>N/A</i>
Prepared by: Ryan Rymarczyk Bull Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell L. B. Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-60</u> Originating SWC/AWC: <u>SWC-6</u>	0
Equipment ID No.: <u>AC-4B</u> Equip. Class: <u>21, TANKS AND F</u>	HEAT EXCHANGERS
Equipment Description: SHUTDOWN COOLING HEAT EXCHANGER	
Location: Bldg. <u>AUX</u> Floor El. <u>994'</u> Room, Area	15, 13W'E-17S'7A
Condition	
Missing plant documentation during the walkdown to verify anchorage configuration	ı.
Documents Reviewed	
11405-S-70 (File#16455)	
Licensing Basis	
The licensing basis associated with the identified condition is the plant licensed dea	sian documents provided
above used for configuration verification of the installed anchorage.	sigir documents provided
Evaluation	
Evaluation	
The field sketch of the anchorage provided for verification of configuration matches above, therefore the anchorage of the item meets the current licensing basis.	the document identified
above, therefore the anchorage of the item meets the current licensing basis.	
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No.	
CR# (If applicable):	
Prepared by: Ryan Rymarczyk 73-73-12-12	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
Reviewed by: Kevin Bessell L. B.	Date <u>10/12/2012</u>
Peer Reviewer	

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-62</u> Originating SWC/AWC: <u>SWC-69</u>
Equipment ID No.: <u>C/LT-911</u> Equip. Class: <u>20, INSTRUMENTATION AND CONTROL PANELS</u>
Equipment Description: STEAM GENERATOR RC-2A WIDE RANGE LEVEL TRANSMITTER
Location: Bldg. <u>CONT</u> Floor El. <u>1011'</u> Room, Area <u>CONT, 3W'BB-9N'II</u>
Condition Missing plant documentation during the walkdown to verify anchorage configuration.
Documents Reviewed
C-4047 SH. 2 (File # 24300)
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No
CR# (If applicable):N/A
Prepared by: Ryan Rymarczyk Book Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Li-Ball Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-63</u> Originating SWC/AWC: <u>S</u>	WC-84
Equipment ID No.: <u>HCV-2947</u> Equip. Class: <u>7, PNEUMA</u>	TIC-OPERATED VALVES
Equipment Description: <u>LPSI PUMP SI-1A SUCTION VALVE</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>981'</u> Room,	Area <u>21, 9E'U-7N'6C</u>
Condition	
Missing plant documentation during the walkdown to verify anchorage configu	ıration.
Documents Reviewed	
6865 SH. 1-9 (File#'s 27754-27762)	
Licensing Basis	
The licensing basis associated with the identified condition is the plant license	ed design documents provided
above used for configuration verification of the installed anchorage.	
Evaluation	
The field sketch of the anchorage provided for verification of configuration ma	tches the document identified
above, therefore the anchorage of the item meets the current licensing basis.	
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes [No
CR# (If applicable): <u>N/A</u>	
Prepared by: Ryan Rymarczyk B	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
\mathcal{L}	Date 10/12/2012
Reviewed by: Kevin Bessell L. B.	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-64</u> Originating SWC/AWC:	SWC-86
Equipment ID No.: <u>HCV- 305</u> Equip. Class: <u>7, PNEU</u>	MATIC-OPERATED VALVES
Equipment Description: <u>HPSI Pump SI-2A & C Discharge Cross Connec</u>	ect Valve
Location: Bldg. AUX Floor El. 971' Roo	m, Area <u>21, 39W'T-16N'6E</u>
Condition	
Missing plant documentation during the walkdown to verify anchorage con	figuration.
Documents Reviewed	
6140 SH. 1 - 13 (File#'s 30417-30429), A-4338 SH. 1 - 3 (File#'s 36961-36	5963)
Licensing Basis	
The licensing basis associated with the identified condition is the plant lice	ensed design documents provided
above used for configuration verification of the installed anchorage.	
<u>Evaluation</u>	
The field sketch of the anchorage provided for verification of configuration	
above, therefore the anchorage of the item meets the current licensing bases	SIS.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes	☐ No
CR# (If applicable):	
Prepared by: Ryan Rymarczyk B	Date
Licensing Basis Reviewer	
	Doto 40/42/2042
Reviewed by: Kevin Bessell L. B.	Date <u>10/12/2012</u>

Licensing Basis (LB) Evaluation Form
LB Evaluation No.: <u>LB-65</u> Originating SWC/AWC: <u>SWC-85</u>
Equipment ID No.: <u>HCV-2948</u> Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>
Equipment Description: _LPSI PUMP SI-1A DISCHARGE VALVE
Location: Bldg. AUX Floor El. 980' Room, Area 21, 42W'T-4N'6E
Condition
Missing plant documentation during the walkdown to verify anchorage configuration.
Documents Reviewed
6259 SH. 1 - 11 (File#'s 27763 - 27773)
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified
above, therefore the anchorage of the item meets the current licensing basis.
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No
CR# (If applicable):
Prepared by: Ryan Rymarczyk B Date 10/11/2012 Licensing Basis Reviewer
Reviewed by: Kevin Bessell Li-Pal Date 10/12/2012 Peer Reviewer

Licensing Basis (LB) Evaluation Form				
B Evaluation No.: <u>LB-66</u> Originating SWC/AWC: <u>SWC-83</u>				
Equipment ID No.: <u>HCV-2918</u> Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>				
Equipment Description: <u>HPSI PUMP 2C DISCHARGE ISOLATION VALVE</u>				
Location: Bldg. <u>AUX</u> Floor El. <u>979'</u> Room, Area _	21, 46W'T-27N'6E			
Condition				
Missing plant documentation during the walkdown to verify anchorage configuration.				
Documents Reviewed				
6262 SH. 1 - 10 (File#'s 27681 - 27690)				
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation The field sketch of the anchorage provided for verification of configuration matches the document identified above, therefore the anchorage of the item meets the current licensing basis.				
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes □ No				
CR# (If applicable):N/A				
Prepared by: Ryan Rymarczyk Bullicensing Basis Reviewer	Date			
Reviewed by: Kevin Bessell L. Bell Peer Reviewer	Date			

Licensing Basis (LB) Evaluation Form				
LB Evaluation No.: <u>LB-67</u> Originating SWC/AWC: <u>SWC-52</u>				
Equipment ID No.: <u>FT-1368</u> Equip. Class: <u>18, INSTRUMENT RACKS</u>				
Equipment Description: MOTOR-DRIVEN AUX FEED PUMP FW-6 SUCTION FLOW TRANSMITTER				
Location: Bldg. AUX Floor El. 993' Room, Area 19, 1W'C-4S'4A				
Condition Configuration differs from vendor configuration (bracket flipped). Drawing points to other installed drawing and needs follow up review.				
Documents Reviewed				
3143K10-058, Sh. 1 (File# 9906)				
Licensing Basis The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage. Evaluation Note 1 in the drawing referenced above indicates that the component may also be clamped to a horizontal pipe which is what is provided in the as-installed condition, therefore meeting the design basis document.				
<u>Conclusion</u> Condition Meets the Licensing Basis: ⊠ Yes ☐ No				
CR# (If applicable): <i>N/A</i>				
Prepared by: Ryan Rymarczyk Bullette Date 10/11/2012 Licensing Basis Reviewer				
Reviewed by: Kevin Bessell Kevin Bessell Peer Reviewer				

Licensing Basis (LB) Evaluation Form					
LB Evaluation No.: <u>LB-68</u> Originating SWC/AWC: <u>SWC-13</u>					
Equipment ID No.: <u>1A3</u> Equip. Class: <u>3, MEDIUM VOLTAGE, METAL-CLAD</u> <u>SWITCHGEAR</u>					
Equipment Description: 4.16KV BUS (EE-4C)					
Location: Bldg. AUX Floor El. 1016' Room, Area 56, 11W'C-18N'1A					
Condition There are wood cribbing blocks inside cubicles 1A3-6, 7, 9, 13, 14, 15 and 16. This material is combustible.					
Documents Reviewed N/A, CR initiated.					
Licensing Basis N/A, CR initiated.					
Evaluation N/A, CR initiated.					
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No					
CR# (If applicable): <u>CR 2013-00522</u>					
Prepared by: Kevin Bessell Library Date 4/12/2013 Licensing Basis Reviewer					
Reviewed by: Laura Maclay Date 4/17/2013 Peer Reviewer					

Licensing Basis (LB) Evaluation Form					
LB Evaluation No.: _LB-69 Originating SWC/AWC: _SWC-13					
Equipment ID No.: <u>1A3</u> Equip. Class: <u>3, MEDIUM VOLTAGE, METAL-CLAD</u> <u>SWITCHGEAR</u>					
Equipment Description: 4.16KV BUS (EE-4C)					
Location: Bldg. AUX Floor El. 1016' Room, Area 56, 11W'C-18N'1A					
Condition Cubicle 1A3-4 contains a steel plate that separates the interior of the cabinet. This plate appears to be missing a bolt. This is not a structural concern since this plate does not provide structural resistance of the cabinet and there are additional bolts that keep the plate in place. Documents Reviewed N/A, CR initiated.					
Licensing Basis N/A, CR initiated.					
N/A, CR initiated.					
<u>Conclusion</u> Condition Meets the Licensing Basis: ☐ Yes ☐ No CR# (If applicable): <u>CR 2013-08401</u>					
Prepared by: Kevin Bessell Licensing Basis Reviewer Date 4/12/2013					
Reviewed by: Laura Maclay James Value Maclay Peer Reviewer Date 4/17/2013					

Licensing Basis (LB) Evaluation Form				
LB Evaluation No.: <u>LB-70</u> Originating SWC/AWC: <u>SWC-9</u>				
quipment ID No.: <u>1B4A</u> Equip. Class: <u>2, LOW VOLTAGE SWITCHGEAR AND</u> <u>BREAKER PANELS</u>				
Equipment Description: <u>480 VOLT BUS 1B4A (EE-4G)</u>				
Location: Bldg. AUX Floor El. 1011' Room, Area 56, 10E'D-15S'6D				
Condition Interconnecting bolts were missing which connect panels on 1B4A with 69/1B4A. It appears as if the bolts were there once. There are 3 bolts one side and 4 the other side remaining, and the stability and connection is judged to be adequate. Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated.				
<u>Evaluation</u>				
N/A, CR initiated.				
Conclusion Condition Meets the Licensing Basis: ☐ Yes ☒ No CR# (If applicable): CR 2013-07194				
Prepared by: Kevin Bessell Linguist Basis Reviewer Date 4/12/2013 Licensing Basis Reviewer				
Reviewed by: Laura Maclay House Maclay Date 4/17/2013 Peer Reviewer				



Certificate of Achievement

This is to Certify that

Iohn G. Kao

has Completed the SQUG Walkdown Screening and Seismic Evaluation Training Course Weld May 3-7, 1993



David A. Freed, MPR Associates SQUG Training Coordinator That P. Smith

Neil P. Smith, Commonwealth Edison SQUG Chairman

EA12-021, Rev. ATTACHMENT 11. PAGE 1 OF

Robert P. Kassawara, EPRI SQUG Program Manager



Certificate of Achievement

This is to Certify that

Iohn H. Kao

has Completed the Seismic IPE Add—On Training Course Geld Iune 8–10, 1993

David A. Freed, MPR Associates SQUG Training Coordinator Robert P. Kassawara, EPRI SQUG Program Manager



Certificate of Completion

Alex Smerch

Training on Near Term Task Force Recommendation 2.3 - Plant Seismic Walkdowns

June 13, 2012

Date

R.P. Kassawana

Robert K. Kassawara
EPRI Manager,
Structural Reliability & Integrity



Certificate of Completion

Kevin Bessell

Training on Near Term Task Force
Recommendation 2.3
- Plant Seismic Walkdowns

June 13, 2012

Date

R.P. Kassawana

Robert K. Kassawara EPRI Manager, Structural Reliability & Integrity



Certificate of Achievement

This is to Certify that

Ashwin K. Patel

has Completed the SQUG Walkdown Screening and Seismic Evaluation Training Course Held July 27—31, 1998

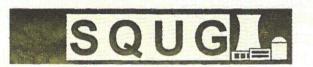


David A. Freed, MPR Associates SQUG Training Coordinator This P Smith

Neil P. Smith, Commonwealth Edison SOUG Chairman

R.P. Kassavana

Robert P. Kassawara, EPRI SQUG Program Manager



CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

Ashwin R. Patel

HAS COMPLETED THE SQUG EQUIPMENT SELECTION AND RELAY EVALUATION TRAINING COURSE HELD MARCH 27-28, 2000



Richard G. Starck^{II}, MPR Associates

en Bettach Jess O. Betlack, MPR Associates



CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

Ashwin R. Patel

HAS COMPLETED THE SQUG NEW AND REPLACEMENT **EQUIPMENT AND PARTS (NARE) TRAINING COURSE** HELD DECEMBER 6 & 7, 2001



Patrick J. Butler, MPR Associates

Paul D Baughman, EQE International



Presents this

Certificate of Achievement

To Certify That

Russell A. Placke

has Completed the SQUG Walkdown Screening and Seismic Evaluation Training Course Held August 20-24, 2012

Richard G. Starck $^{\rm II}$, MPR Associates, Inc. SQUG Instructor

Paul D. Baughman, ARES Corporation SQUG Instructor



Lawrence Livermore National Laboratory LLNL HAZARDS MITIGATION CENTER



May 3, 2000

Mr. James A. Carlson Nuclear Power Engineer Omaha Public Power District Fort Calhoun Station Omaha, Nebraska

To Whom It May Concern:

This letter is to certify that Jim Carlson attended and passed the Department of Energy (DOE) Seismic Evaluation Procedure Training Course given in Pleasanton California in March 1994. This was a five day course which presented material unique to the Seismic Evaluation of a DOE Facility. Much of the material presented was based on SQUG training material given to engineers conducting seismic evaluation of commercial nuclear power plants. Instructors from the SQUG Training Courses also participated in the DOE Training. The training consisted of classroom lectures, homework, graded quizzes and a Field Walk Down Exercise.

Completion of this course certified JIM CARLSON as a Seismic Capability Engineer. If you have any questions or need additional information, please contact me at (925) 422-0308 or by email at murray6@llnl.gov.

Very truly yours,

Robert C. Murray

Co-Director

LLNL Hazards Mitigation Center

HMC00-06:RCM:ala



Status of Condition Reports Listed in Attachment 11.4 of EA12-021 Rev. 0 and Rev. 1

Condition Report	Operability Determination	Resolution Status as of 6/24/13	CR Status as of 6/24/13
CR 2012-10195	Operable	Resolved	Closed
CR 2012-10198	Operable	Resolved	Closed
CR 2012-10367	Operable	Resolved	Closed
CR 2012-10368	Operable	Resolved	Closed
CR 2012-10369	Operable	Resolved	Closed
CR 2012-10423	Operable	Resolved	Closed
CR 2012-10425	Operable	Resolved	Awaiting Closure
CR 2012-10427	Operable	Resolved	Closed
CR 2012-10553	Operable	Resolution Proposed	Open
CR 2012-10628	Operable	Resolved	Closed
CR 2012-10629	Operable	Resolved	Closed
CR 2012-10630	Operable	Resolved	Closed
CR 2012-10631	Operable	Resolved	Closed
CR 2012-10672	Operable	Resolved	Closed
CR 2012-10676	Operable	Resolved	Closed
CR 2012-10684	Operable	Resolved	Open
CR 2012-10915	Operable	Resolved	Closed
CR 2012-10916	Operable	Resolved	Closed
CR 2012-10917	Operable	Resolved	Awaiting Closure
CR 2012-10919	Operable	Resolution Proposed	· Open
CR 2012-11039	Operable	Resolved	Closed
CR 2012-11041	Operable	Resolved	Awaiting Closure
CR 2012-11277	Operable	Resolution Proposed	Open
CR 2012-11879	Operable	Resolved	Awaiting Closure
CR 2012-11880	Operable	Resolution Proposed	Open
CR 2012-11973	Operable	Resolved	Closed
CR 2012-12399	Operable	Resolved	Closed
CR 2012-12400	Operable	Resolution Proposed	Open
CR 2012-12401	Operable	Resolved	Closed
CR 2012-12402	Operable	Resolved	Closed
CR 2012-12403	Operable	Resolved	Closed
CR 2012-12404	Operable	Resolved	Closed
CR 2012-12405	Operable	Resolved	Closed
CR 2013-00522	Operable	Resolved	Closed
CR 2013-07194	Operable	Resolution Proposed	Open
CR 2013-08401	Operable	Resolved	Awaiting Closure