Seismic Walkdown Checklist Form
Sheet 1 of 5
Status: YX N U
Seismic Walkdown Checklist (SWC) <u>SWC- 57</u>
Equipment ID No. <u>PI-2855-1</u> Equip. Class ¹ <u>18</u> , INSTRUMENT RACKS
Equipment Description RAW WATER PUMP AC-10B DISCHARGE PRESSURE 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 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
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 Y⊠ N□ U□ N/A□ anchors?

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 238 OF 404

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 57</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>PI-2855-1</u> Equip. Class2 <u>18, INSTRUMEN1</u>	RACKS
Equipment Description <u>RAW WATER PUMP AC-10B DISCHARGE PRESS</u>	URE INDICATOR
 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
Needs plant documentation. See sketch in photo section below. Licensing Basis Evaluation is required.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y NX 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	, Y□ N⊠ U□ N/A□
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.	
9. Do attached lines have adequate flexibility to avoid damage?	
10 Read on the choice exismic interaction evolutions, is equipment free	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 239 OF 404

,

	SEISMIC WALKDOWN CHECKLIST F
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 57</u>	Status: Y⊠ N∏ U[
Equipment ID No. <u>PI-2855-1</u> Equip. Class <u>3</u> 18, INSTRUM	
Equipment Description RAW WATER PUMP AC-10B DISCHARGE PR	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conduct adversely affect the safety functions of the equipment?	ould YX N U
- · · · · · · · · · · · · · · · · · · ·	
Comments (Additional pages may be added as necessary)	
	•
· ·	
	· · ·
Evaluated by: <u>Alex Smerch Mic Loss</u> John Kao	Date: <u>8/17/12</u>
ah Kao	8/17/12

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 240 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

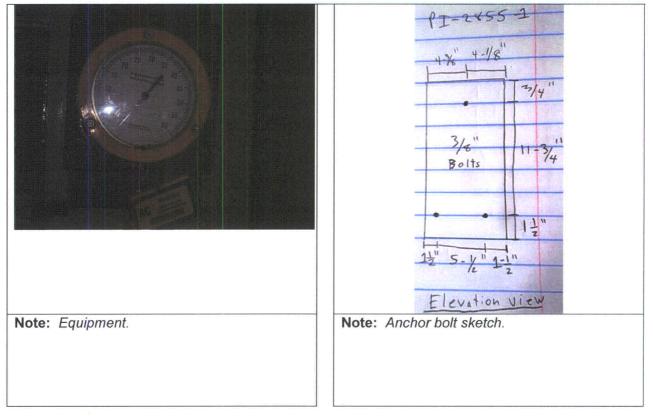
Status: YX N U

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



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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 241 OF 404

Sheet 5 of 5

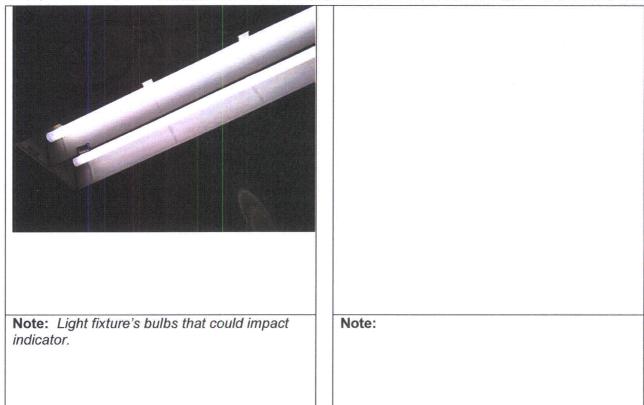
SEISMIC WALKDOWN CHECKLIST FORM

Status: Y⊠ N⊠ U⊡

Seismic Walkdown Checklist (SWC) SWC- 57

Equipment ID No. PI-2855-1 Equip. Class⁵ 18, INSTRUMENT RACKS

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



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 242 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 58</u>	Status: Y⊠ N⊟ U⊟
Equipment ID No. <u>NI-001-DA1</u> Equip. Class ¹ _20, INSTRUMENTA	TION AND CONTROL PANELS
Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX MON	TORING
Location: Bldg. AUX Floor El. 1013' Room, Area 57, Al-212	· · · · ·
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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y N U V N/A

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 243 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 58</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>NI-001-DA1</u> Equip. Class²_ <i>20, INSTRUMEN</i> PANELS	TATION AND CONTROL
Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX M	ONITORING
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whi an anchorage configuration verification is required.) Needs plant documentation to verify. 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?	f Y□ N⊠ U□
nteraction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠NLIULIN/ALI
8. 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?	
10. Based on the above seismic interaction evaluations, is equipment fre of potentially adverse seismic interaction effects?	e Y⊠N⊡U⊡

EA12-021, Rev. 0
ATTACHMENT 11.2
PAGE 244 OF 404

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 58</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>NI-001-DA1</u> Equip. Class <u>3</u> 20, INSTRUMENTA PANELS	ATION AND CONTROL
Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX MON	NITORING
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX N U
<u>Comments (Additional pages may be added as necessary)</u>	
Evaluated by: <u>Alex Smerch Mic lange</u> John Kao	Date: <u>8/16/12</u>
John Kao	<u>8/16/12</u>

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 245 OF 404

SI	heet	4	of	5
				-

SEISMIC WALKDOWN CHECKLIST FORM

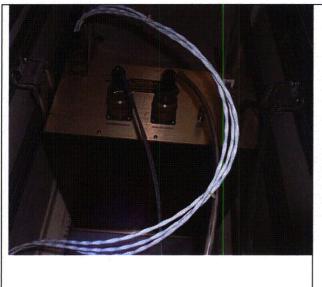
Status: YX N U

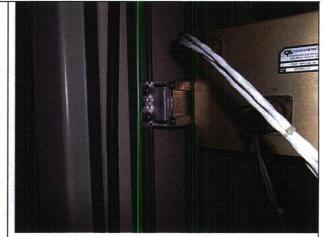
Seismic Walkdown Checklist (SWC) SWC- 58

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

Equipment Description INSTRUMENT MODULE FOR NUETRON FLUX MONITORING

Photographs

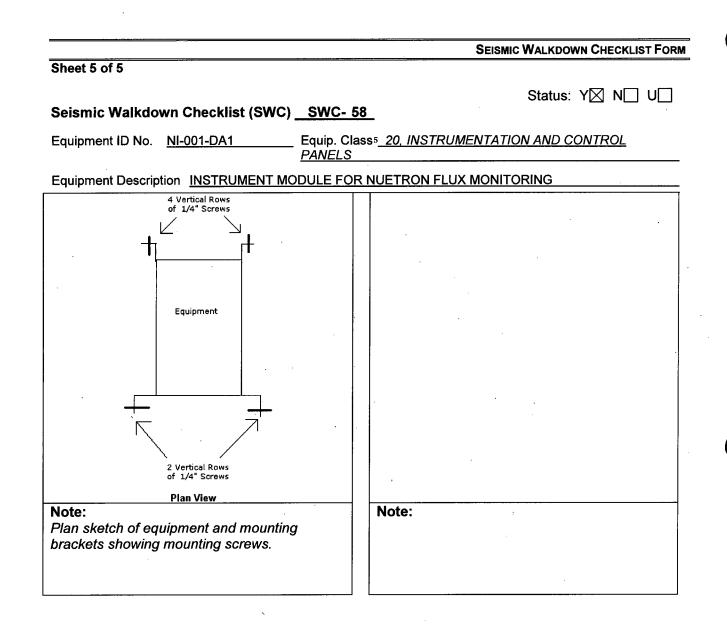




Note: Bottom view of Equipment

Note: Side view of equipment mounting bracket

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 246 OF 404



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

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. AC-1A Equip. Class <u>21, TANKS AND HEA</u>	TEXCHANGERS
Equipment Description COMPONENT COOLING HEAT EXCHANGER	
Location: Bldg. <u>AUX</u> Floor El. <u>994'</u> Room, Area <u>4, 6W'D-18N</u>	l'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	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N∏ U∏ N/A∏
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 248 OF 404

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

	EISMIC WAI	KDOWN CHE	CKLIST FO
Sheet 3 of 4			
Sciemic Malkdown Checklist (SMC) SMC 59	Sta	atus: Y🛛	
Seismic Walkdown Checklist (SWC) <u>SWC- 59</u>		•.	
Equipment ID No. <u>AC-1A</u> Equip. Class <u>3 21, TANKS AND F</u>	<u>HEAT EXC</u>	HANGERS	
Equipment Description <u>COMPONENT COOLING HEAT EXCHANGER</u>	,		
Other Adverse Conditions			
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Υ⊠		
Comments (Additional pages may be added as necessary)		·	
			·
		, i ,	
John Kao			
Evaluated by: John Kao J	Date:	<u>8/20/2012</u>	
Alex Smerch Mic land		<u>8/20/2012</u>	
		<u>8/20/2012</u>	
Alex Smerch Mue las			
Alex Smerch Muc lang			
Alex Smerch Mue las			
Alex Smerch Muc lang			
Alex Smerch Muc lang			
Alex Smerch Muc lang			
Alex Smerch Mur James			

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 250 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 4

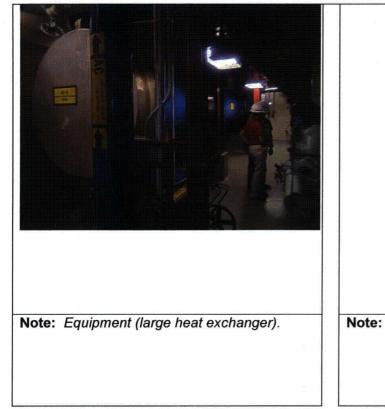
Status: YX N U

Seismic Walkdown Checklist (SWC) _ SWC- 59

Equipment ID No. AC-1A Equip. Class4 21, TANKS AND HEAT EXCHANGERS

Equipment Description COMPONENT COOLING HEAT EXCHANGER

Photographs



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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 251 OF 404

Seisi	NIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AC-4B</u> Equip. Class <u>1 21, TANKS AND HEA</u>	AT EXCHANGERS
Equipment Description SHUTDOWN COOLING HEATER EXCHANGER	
Location: Bldg. <u>AUX</u> Floor El. <u>994</u> Room, Area <u>15, 13WE-1</u>	7S'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 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? 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 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□
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.

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 252 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>AC-4B</u> 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 configuration drawings. Licensing Basis Evaluation is required.	Y NX U N/A
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 	
Interaction Effects	,
7. Are soft targets free from impact by nearby equipment or structures? Not a soft target	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

	SEISMIC WALKDOWN CHECKLIST F
Sheet 3 of 5	
Sainmia Walkdown Chacklist (SWC) SWC 50	Status: Y🛛 N🗌 U[
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	
Equipment ID No. <u>AC-4B</u> Equip. Class ³ <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?	ld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
	,
John Kao	· .
Evaluated by: <u>John Kao ()</u>	Date: <u>8/21/12</u>
New Smorth Mice	
Alex Smerch Mile Ange	<u> </u>
·	
х.	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 254 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWC- 60</u>	_
Equipment ID No. <u>AC-4B</u> Equip. Class	s4_21, TANKS AND HEAT EXCHANGERS
Equipment Description SHUTDOWN COOLING HEATE	ER 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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 255 OF 404

Sheet 5 of 5

SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) _ SWC- 60

Status: YX N U

Equipment ID No. AC-4B Equip. Class⁵ 21, TANKS AND HEAT EXCHANGERS

Equipment Description SHUTDOWN COOLING HEATER EXCHANGER

Heat Exchanger T" Botts T" Botts T" Botts	
Note: Heat Exchanger support modification bolt mounting. (Additional to what is shown in original vendor documentation.)	Note:

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 256 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AC-8</u> Equip. Class ¹ <u>21</u> , TANKS AND HEA	AT EXCHANGERS
Equipment Description SPENT FUEL POOL HEAT EXCHANGER	
Location: Bldg. AUX Floor El. <u>995</u> Room, Area <u>5, 9W'R-0N</u>	5C
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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AC-8</u> Equip. Class ² <u>21</u> , <u>TANKS AND HE</u>	AT EXCHANGERS
Equipment Description SPENT FUEL POOL 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.)	Y N U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N∏ U∏
<u>Interaction Effects</u> 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y N 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?	YX N U

1

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 258 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWC- 61</u>	
Equipment ID No. <u>AC-8</u> Equip. Class <u>3</u> 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 coul adversely affect the safety functions of the equipment?	Id Y⊠ N□ U□
<u>Comments (Additional pages may be added as necessary)</u>	
Evaluated by: Alex Smerch Mar In	Date: <u>8/20/12</u>
Evaluated by: <u>Alex Smerch Mue lange</u> John Kao	8/20/12

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 259 OF 404

She	et	4 c	of 4	1
	~-			

1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m / 1 m		
CEIGHIG	VALAL LOD OLATEL	CHECKLIST FORM
SEISMIC		CHECKLIST PORM
OF OUND		

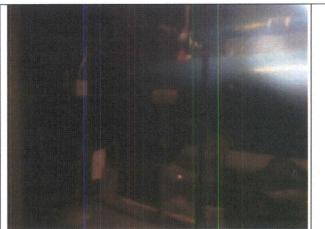
Seismic Walkdown Checklist (SWC) _____ SWC- 61___

Status: YX N U

Equipment ID No. AC-8 Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description SPENT FUEL POOL HEAT EXCHANGER

Photographs



Note: Equipment.

NUMER	
Note:	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 260 OF 404

•

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y🛛 N 🗍 U
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	
Equipment ID No. <u>FO-2-2</u> Equip. Class ¹ <u>21</u> , TANKS AND	HEAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
Location: Bldg. AUX Floor El. 1017' Room, Area 64, 7E'K-	1S'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 reco findings. Additional space is provided at the end of this checklist for documen	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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the	
anchors?	

-

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 261 OF 404

Si	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FO-2-2</u> Equip. Class ² <u>21</u> , TANKS AND H	HEAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	
 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.) The anchorage is consistent with drawing B120D06002, Sh. 1, Rev. 5 (File# 17382) and 370 (File# 18080). 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX N U
· .	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	
	· · · · ·
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	g, 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□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 262 OF 404

γ.

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 62</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FO-2-2</u> Equip. Class <u>3</u> 21, TANKS ANI	D HEAT EXCHANGERS
Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK	<u>````````````````````````````````</u>
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: <u>Alex Smerch Mar James</u>	Date: <u>8/15/2012</u>
John Kao	
John Kao	<u>8/15/2012</u>

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

٩

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 263 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

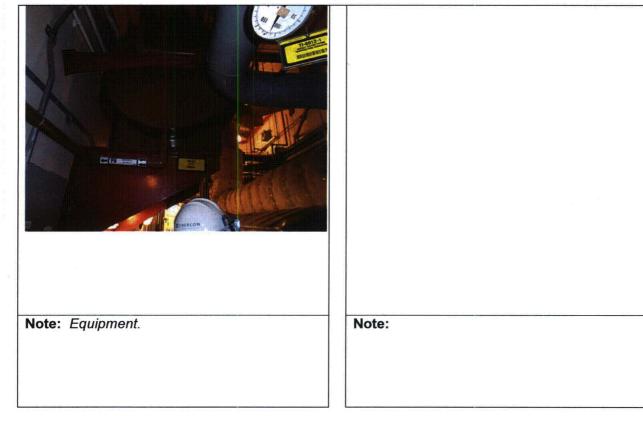
Seismic Walkdown Checklist (SWC) _ SWC- 62

Status: YX N U

Equipment ID No. FO-2-2 Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description D-2 WALL MOUNTED FUEL OIL DAY TANK

Photographs



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 264 OF 404

Se	ISMIC WALKDOWN CHECKLIST FORM				
Sheet 1 of 4					
	Status: Y🛛 N🗌 U				
Seismic Walkdown Checklist (SWC) <u>SWC- 63</u>					
Equipment ID No. <u>FW-19</u> Equip. Class ¹ 21, TANKS AND H	EAT EXCHANGERS				
Equipment Description EMERGENCY FEEDWATER STORAGE TANK					
Location: Bldg. AUX Floor El. 1045' Room, Area 81, 12'WC	-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					
 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□				
3. Is the anchorage free of corrosion that is more than mild surface					
oxidation?					
4. Is the anchorage free of visible cracks in the concrete near the					
anchors?					

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 265 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 63</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FW-19</u> Equip. Class ² 21, TANKS AND HE/	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).	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX 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?	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?	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 266 OF 404

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 267 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) _ SWC- 63

Status: YX N U

Equipment ID No. FW-19 Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description EMERGENCY FEEDWATER STORAGE TANK

Photographs



Note: Equipment.

Note:

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 268 OF 404

Sei	SMIC WALKDOWN CHECKLIST FORM				
Sheet 1 of 4					
Seismic Walkdown Checklist (SWC) <u>SWC- 64</u>	Status: YX N U				
Equipment ID No. LO-32-2 Equip. Class <u>21, TANKS AND HE</u>	AT EXCHANGERS				
Equipment Description D2 LUBE OIL COOLER					
Location: Bldg. AUX Floor El. 1013' Room, Area 64, 1E'K-75	5'2B				
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					
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y□ N⊠				
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N⊡ U⊡ N/A⊡				
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□				
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠				

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 269 OF 404

	S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
0 - ''- M/- HI Ol Ol		Status: Y⊠ N∏ U∏
Seismic Walkdown Checklist (SW	C) <u>SWC- 64</u>	
Equipment ID No. <u>LO-32-2</u>	Equip. Class ² _21, TANKS AND	HEAT EXCHANGERS
Equipment Description D2 LUBE OIL C	OOLER	
	onsistent with plant documentation? if the item is one of the 50% for whic ication is required.)	Y
6. Based on the above anchorage of potentially adverse seismic cond	evaluations, is the anchorage free of itions?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact	by nearby equipment or structures?	Y□ N□ U□ N/A⊠
	ution systems, ceiling tiles and lightin ly to collapse onto the equipment?	g, Y⊠ N⊡ U⊡ N/A⊡
9. Do attached lines have adequate	e flexibility to avoid damage?	
10. Based on the above seismic inte of potentially adverse seismic int		₽ Y⊠ N□ U□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 270 OF 404

Se	ISMIC WAI	KDOWN CHECKLIST FORM
Sheet 3 of 4		
	Sta	atus: Y🛛 N 🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 64</u>		
Equipment ID No. <u>LO-32-2</u> Equip. Class <u>3</u> 21, TANKS AND H	EAT EXC	HANGERS
Equipment Description D2 LUBE OIL COOLER		
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX	
Comments (Additional pages may be added as necessary)		
	٠	
· · ·		
Evaluated by: Alex Smerch Mice	_, Date:	8/15/2012
Evaluated by: <u>Alex Smerch Mice John Kao</u> John Kao		8/15/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 271 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

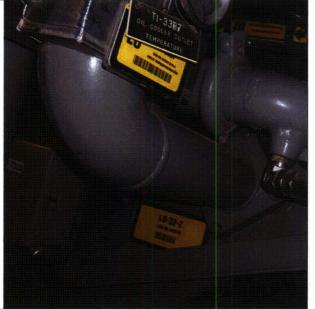
Seismic Walkdown Checklist (SWC) SWC- 64

Status: YX N U

Equipment ID No. LO-32-2 Equip. Class4 21, TANKS AND HEAT EXCHANGERS

Equipment Description D2 LUBE OIL COOLER

Photographs



Note: Equipment.

r	lote:			

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 272 OF 404

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

~

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 273 OF 404

Sei	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	· · ·
Seismic Walkdown Checklist (SWC) <u>SWC- 65</u>	Status: YX N U
Equipment ID No. <u>AC-100</u> Equip. Class² <u>8, MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION V	ALVE
 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? N/A inline Valve. 	
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?	
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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 274 OF 404

Ϊ

	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. Class <u>3</u> , <u>MOTOR-OPE</u> <u>OPERATED VALVES</u>	RATED AND SOLENOID-
Equipment Description <u>COMP COOLING WATER PUMP AC-3A SUCTION</u>	V 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?	
	·
Comments (Additional pages may be added as necessary)	
Evaluated by: <u>Alex Smerch Mur Lange</u> John Kao	Date: <u>8/21/12</u>
ah Kao	
John Kao	8/21/12
·	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 275 OF 404

01				
Sn	eet	4	OT	4
U .			•••	

SEISMIC WALKDOWN CHECKLIST FORM

Status: YX N U

Seismic Walkdown Checklist (SWC) SWC- 65

Equipment ID No. AC-100

Equip. Class4_8, <u>MOTOR-OPERATED AND SOLENOID-</u> OPERATED VALVES

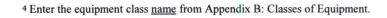
Equipment Description COMP COOLING WATER PUMP AC-3A SUCTION VALVE

Photographs



Note: Equipment

1	
Neter	
Note:	



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 276 OF 404

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 66</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>AC-102</u> Equip. Class ¹ <u>8</u> , <u>MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A DISCHARGE	VALVE
Location: Bldg. <u>AUX</u> Floor El. <u>1027'</u> Room, Area <u>69,1W'N-4N</u> Manufacturer, Model, Etc. (optional but recommended)	'7A
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?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	

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- 66</u>	Status: YX N U
Equipment ID No. <u>AC-102</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A 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? <i>In line valve</i> 	YX 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⊠
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠N□U□

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

1

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 278 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	n an
Seismic Walkdown Checklist (SWC) <u>SWC- 66</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AC-102</u> Equip. Class <u>3</u> 8. <u>MOTOR-OPE</u> <u>OPERATED VALVES</u>	ERATED AND SOLENOID-
Equipment Description COMP COOLING WATER PUMP AC-3A DISCHA	RGE 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>8/21/2012</u>
Alex Smerch Mur lange	8/21/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 279 OF 404

		SEISMIC WALKDOWN CHECKLIST FORI
Sheet 4 of 4		
Seismic Walkdown Checklist (SWC) _	SWC- 66	Status: YX N U
Equipment ID No. <u>AC-102</u>		R-OPERATED AND SOLENOID-
Equipment Description <u>COMP COOLING N</u>		SCHARGE VALVE
Photographs		
Note: Equipment tag	Note:	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 280 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 67</u>	
Equipment ID No. <u>AI-40A</u> TRANSFER SWITCHES	ON PANELS AND AUTOMATIC
Equipment Description <u>120V A-C INSTRUMENT BUS "A"</u>	
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 Walkdow SWEL. The space below each of the following questions may be used to red findings. 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 c of the 50% of SWEL items requiring such verification)? 	one Y N
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
	•

۰.,

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 281 OF 404

SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 67</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AI-40A</u> Equip. Class ² <u>14</u> DISTRIBUTION TRANSFER SWITCHES	PANELS AND AUTOMATIC
Equipment Description <u>120V A-C INSTRUMENT BUS "A"</u>	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Y N U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI.
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?	Y N 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?	YX 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- 67</u>	Status: Y⊠ N⊡ U⊡
	s3_14, DISTRIBUTION PANELS AND AUTOMATIC R SWITCHES
Equipment Description <u>120V A-C INSTRUMENT BUS</u>	"A"
Other Adverse Conditions	
11. Have you looked for and found no other seismic adversely affect the safety functions of the equip	
<u>Comments (</u> Additional pages may be added as necess	ary)
,	· · · · · · · · · · · · · · · · · · ·
John Kao Evaluated by: John Kao	Date: <u>8/18/2012</u>
Alex Smerch Mur hand	8/18/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 283 OF 404

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 4 of 4	
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWC- 6</u>	<u>7</u>
Equipment ID No. <u>AI-40A</u> Equip. Cla <u>TRANSFE</u>	ass4_14, DISTRIBUTION PANELS AND AUTOMATIC ER SWITCHES
Equipment Description 120V A-C INSTRUMENT BU	S "A"
Photographs	
Note: Equipment.	Note:
j.	÷

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

	ORM
Sheet 1 of 4	
Status: YX N U Seismic Walkdown Checklist (SWC) <u>SWC- 68</u>	
Equipment ID No. AI-41A Equip. Class ¹ _14, DISTRIBUTION PANELS AND AUTOMATIC TRANSFER SWITCHES	
Equipment Description 125V DC BUS NUMBER 1	<u> </u>
Location: Bldg. AUX Floor El. 1036' Room, Area 77, 15W'D-0N'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 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 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⊡	
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 Y□ N□ U□ N/A⊠ anchors?	·

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

ŧ

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC-</u>	Status: Y⊠ N⊡ U⊡ <u>68</u>
	ass ^{2_14} , DISTRIBUTION PANELS AND AUTOMATIC ER SWITCHES
Equipment Description <u>125V DC BUS NUMBER 1</u>	
 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
6. 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 eq	uipment or structures? Y N U U N/A
8. Are overhead equipment, distribution systems and masonry block walls not likely to collapse	
9. Do attached lines have adequate flexibility to a	avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluation of potentially adverse seismic interaction effect	ations, is equipment free Y⊠ N⊡ U⊡ ts?

 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- 68</u>	Status: Y N U
Equipment ID No. <u>AI-41A</u>	Equip. Class3 <u>14, DISTRIBUTI</u> TRANSFER SWITCHES	ON PANELS AND AUTOMATIC
Equipment Description <u>125V DC BUS NL</u>	JMBER 1	
Other Adverse Conditions		
11. Have you looked for and found no o adversely affect the safety functions		
		. · ·
Comments (Additional pages may be adde	ed as necessary)	
r		
	~	
John Kao		· ·
Evaluated by: <u>John Kao Ø</u>		Date: <u>8/18/2012</u>
Alex Smerch Mar has	22	8/18/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 287 OF 404

		SEISMIC WALKDOWN CHECKLIST FOR
Sheet 4 of 4	1	
Seismic Walkdown Checklist (SWC) <u>SWC</u>	- 68	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AI-41A</u> Equip. <u>TRANS</u>	Class₄ <u>14, DISTRII</u> SFER SWITCHES	BUTION PANELS AND AUTOMATIC
Equipment Description <u>125V DC BUS NUMBER</u>	1	
Photographs		
Note: Equipment	Note:	n de la companya da manana da serie de la companya da serie de la companya da serie de la companya de la compa Anti-
		2

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 288 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 69</u>	Status: Y⊠ N∏ U∏	
Equipment ID No. <u>C/LT-911</u> Equip. Class ¹ 20, INSTRUMEN	NTATION AND CONTROL PANELS	
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVI	EL TRANSMITTER	
Location: Bldg. <u>CONT</u> Floor El. <u>1011'</u> Room, Area <u>CONT</u> ,	3W'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 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)? 	one 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?	YX NI UI N/AI	
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.

1.

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		·
		Status: Y N U
Seismic Walkdown Checklist (SWC) _	<u>SWC- 69</u>	
	Equip. Class2 <u>20, INSTRUMENTA</u> PANELS	TION AND CONTROL
Equipment Description STEAM GENERAT	OR RC-2A WIDE RANGE LEVEL T	RANSMITTER
 Is the anchorage configuration consis (Note: This question only applies if th an anchorage configuration verification 	e item is one of the 50% for which on is required.)	Y□ N⊠ U□ N/A□
Missing plant documentation to verify sketch in photos section below for an Evaluation is required.	anchorage configuration. See chorage. Licensing Basis	
Based on the above anchorage evalue potentially adverse seismic conditions		Y NX U
Based on the above item #5 on missi	ng documentation.	
Interaction Effects		
7. Are soft targets free from impact by n	earby equipment or structures?	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution and masonry block walls not likely to		Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flex	ibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction of potentially adverse seismic interaction		YX NI UI

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 290 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 69</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>C/LT-911</u> Equip. Class <u>3</u> 20, INSTRUME <u>PANELS</u>	NTATION AND CONTROL
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 cound adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/22/2012</u>
Alex Smerch Min Insi	8/22/2012
ч.	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 291 OF 404

SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 4 Status: YX N U Seismic Walkdown Checklist (SWC) _ SWC- 69 Equip. Class4_20, INSTRUMENTATION AND CONTROL Equipment ID No. C/LT-911 PANELS Equipment Description STEAM GENERATOR RC-2A WIDE RANGE LEVEL TRANSMITTER **Photographs** 0 0 7 0 0 3/8" anchor bolt (typ.) Note: 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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 292 OF 404

SEISMIC WALKDOWN CHECKLIST FORM		
Sheet 1 of 4		
Status: YX N U		
Equipment ID No. C/PT-913 Equip. Class 20, INSTRUMENTATION AND CONTROL PANELS		
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESSURE TRANSMITTER		
Location: Bldg. <u>CONT</u> Floor El. <u>1002</u> ' Room, Area <u>CONT, 3W'BB-9N'II</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⊡		
3. 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? 		

١

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

	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 70</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>C/PT-913</u> Equip. Class2 <u>20, INSTRUMENT/</u> <u>PANELS</u>	ATION AND CONTROL
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESS	URE 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 NX U N/A
Need plant documents to verify anchorage. Anchorage configuration shown in sketches in photo section below. Licensing Basis Evaluation is required.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y NX U
Based on missing documentation (Item #5 above).	
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?	
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?	
)	

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

i.

EA12-021, Rev. 0
ATTACHMENT 11.2
PAGE 294 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 70</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>C/PT-913</u> Equip. Class <u>3</u> 20, INSTRUMENTA PANELS	TION AND CONTROL
Equipment Description STEAM GENERATOR RC-2A WIDE RANGE PRESSU	JRE 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?	
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	_ Date: <u>8/22/2012</u>
Alex Smerch Min har	8/22/2012
	1

,

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 295 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

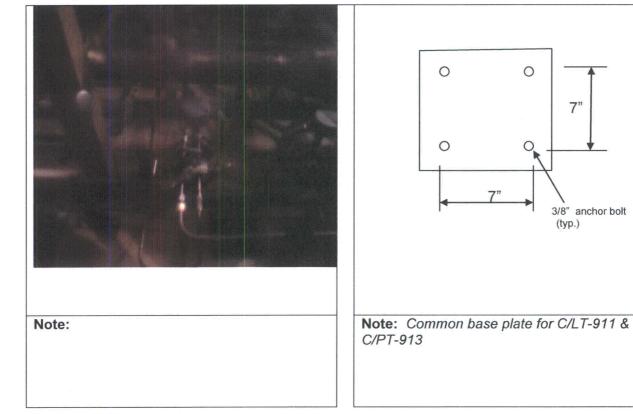
Seismic Walkdown Checklist (SWC) _ SWC- 70

Status: YX N U

Equipment ID No. C/PT-913 Equip. Class4_20, INSTRUMENTATION AND CONTROL PANELS

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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 296 OF 404

Seis	SMIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
Seismic Walkdown Checklist (SWC) <u>SWC- 71</u>	Status: Y⊠ N⊡ U⊡	
Equipment ID No. <u>CH-115</u> Equip. Class ¹ 8, MOTOR-OPERA <u>OPERATED VALVES</u>	TED AND SOLENOID-	
Equipment Description BORIC ACID STORAGE TANK CH-11A OUTLET VAL	VE	
Location: Bldg. AUX Floor El. 1009' Room, Area 26, 26W'T-S	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 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 NX	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 297 OF 404

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 71</u>	Status: Y N U
Equipment ID No. <u>CH-115</u> Equip. Class <u>2</u> 8, <u>MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description BORIC ACID STORAGE TANK CH-11A OUTLET VAL	VE
 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
 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□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	

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

	S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4		
Seismic Walkdown Checklist (SWC)	<u>SWC- 71</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>CH-115</u>	Equip. Class <u>3_8, MOTOR-OPER</u> OPERATED VALVES	RATED AND SOLENOID-
Equipment Description BORIC ACID STO	RAGE TANK CH-11A OUTLET V	ALVE
Other Adverse Conditions		
11. Have you looked for and found no o adversely affect the safety functions		
Comments (Additional pages may be adde	ed as necessary)	
	•	
Evaluated by: John Kao		Date: <u>8/23/2012</u>
Alex Smerch Mur.	2 	8/23/2012
	· ·	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 299 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

Status: YX N U

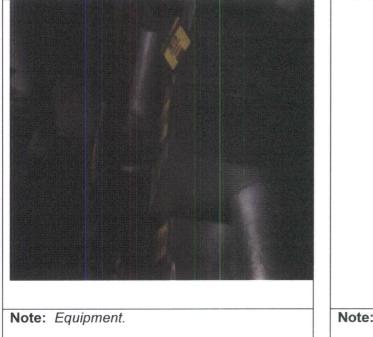
Seismic Walkdown Checklist (SWC) SWC- 71

Equipment ID No. <u>CH-115</u>

_ Equip. Class₄<u>8, MOTOR-OPERATED AND SOLENOID-</u> OPERATED VALVES

Equipment Description BORIC ACID STORAGE TANK CH-11A OUTLET VALVE

Photographs



Noto				
Note:				
	Note:	Note:	Note:	Note:

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 300 OF 404

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 72</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>CH-143</u> Equip. Class ¹ 8, MOTOR-OPERAT OPERATED VALVES	ED AND SOLENOID-
Equipment Description BORIC ACID PUMPS CH-4A & B DISCH TO CHARGI	NG SUCT HDR CHECK VLV
Location: Bldg. AUX Floor El. 1016' Room, Area 26, 8E'U-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 or SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documentin	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
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y N U N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 301 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4 Seismic Walkdown Checklist (SWC) <u>SWC- 72</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>CH-143</u> Equip. Class <u>2 8, MOTOR-OPE</u>	RATED AND SOLENOID-
<u>OPERATED VALVES</u> Equipment Description <u>BORIC ACID PUMPS CH-4A & B DISCH TO CHAF</u>	RGING SUCT HDR CHECK VLV
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whi an anchorage configuration verification is required.) 	
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? In-line valve. 	FY⊠N⊡U⊡
· · ·	
nteraction 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?	ng, 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 fre of potentially adverse seismic interaction effects?	e Y⊠ N∏ U∏

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 302 OF 404

	SMIC WALKDOWN CHECKLIST FOR
sheet 3 of 4	
	Status: Y⊠ N∏ U∏
Seismic Walkdown Checklist (SWC) <u>SWC- 72</u>	٠
Equipment ID No. <u>CH-143</u> Equip. Class <u>3</u> 8, <u>MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description BORIC ACID PUMPS CH-4A & B DISCH TO CHARGI	NG SUCT HDR CHECK VLV
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/23/2012</u>
Alex Smerch Min line	8/23/2012
	•

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 303 OF 404

Sł	iee	t 4	of	4
_			-	- TO -

SEISMIC WALKDOWN CHECKLIST FORM

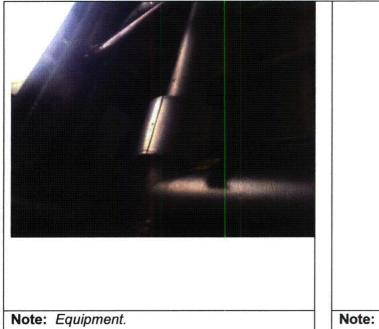
Seismic Walkdown Checklist (SWC) _____ SWC- 72___

Status: YX N U

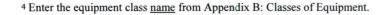
Equipment ID No. <u>CH-143</u> Equip. Class4 <u>8, MOTOR-OPERATED AND SOLENOID-</u> OPERATED VALVES

Equipment Description BORIC ACID PUMPS CH-4A & B DISCH TO CHARGING SUCT HDR CHECK VLV

Photographs



11 I.		
a - 1		
	2	
	2	
		10
1 1		
1		
1		
1		
1	Note:	
	NOTE:	1
		1
		1



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 304 OF 404

SE	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 73</u>	Status: YX N U
Equipment ID No. <u>CH-172</u> Equip. Class <u>8, MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A SUCTION VALVE	
Location: Bldg. AUX Floor El. 990' Room, Area 7, 48W'T-2	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 SWEL. The space below each of the following questions may be used to recor findings. Additional space is provided at the end of this checklist for document	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)? 	e Y
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y N U V N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

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

•

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 305 OF 404

1

Seis	SMIC WALKDOWN CHECKLIST FORM		
Sheet 2 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 73</u>	Status: Y⊠ N⊡ U⊡		
Equipment ID No. <u>CH-172</u> Equip. Class <u>2 8, MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-		
Equipment Description CHARGING PUMP CH-1A SUCTION 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 	Y⊠N□U□		
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	YX NI UI N/AI		
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□		
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NI UI		

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

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 306 OF 404

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 73</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>CH-172</u> Equip. Class <u>3</u> 8, <u>MOTOR-OPER</u> <u>OPERATED VALVES</u>	RATED 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 could adversely affect the safety functions of the equipment?	d Y⊠ N□ U□
<u>Comments (</u> Additional pages may be added as necessary)	
valuated by: John Kao	Date: <u>8/20/2012</u>
Alex Smerch Min Ing	8/20/2012
, 	
· · · · · · · · · · · · · · · · · · ·	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 307 OF 404

Sheet 4 of 4

Status: YX N U

SEISMIC WALKDOWN CHECKLIST FORM

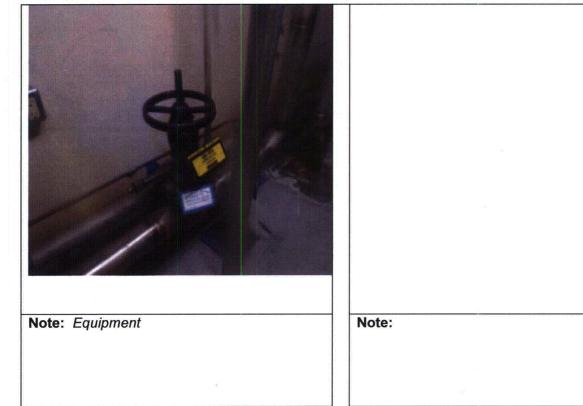
Seismic Walkdown Checklist (SWC) _ SWC- 73

Equipment ID No. CH-172

_ Equip. Class<u>₄</u> 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES

Equipment Description CHARGING PUMP CH-1A SUCTION VALVE

Photographs



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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 308 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 74</u>	Status: YX N U
Equipment ID No. <u>CH-193</u> Equip. Class <u>8, MOTOR-OPERATION OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description CHARGING PUMP CH-1A DISCHARGE VALVE	
Location: Bldg. AUX Floor El. 990' Room, Area 7, 5E'U-1N'7	B
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⊠
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ Ü□ 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. <u>CH-193</u> Equip. Class <u>28, MOTOR-OPERATI</u> <u>OPERATED VALVES</u>	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. 	YX 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?	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□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 310 OF 404

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 74</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>CH-193</u> Equip. Class <u>3 8, MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED 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 could	
adversely affect the safety functions of the equipment?	
<u>Comments (Additional pages may be added as necessary)</u>	
Evaluated by: John Kao	Date: <u>8/20/2012</u>
Alex Smerch Mun har	8/20/2012
· · · · ·	

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

.

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 311 OF 404

Sheet 4 of 4

Status: YX N U

SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) _ SWC- 74

Equipment ID No. CH-193

Equip. Class⁴ 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES

Equipment Description CHARGING PUMP CH-1A DISCHARGE VALVE

Photographs



Note: Equipment.

Note:		

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 312 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM			
Sheet 1 of 4				
Seismic Walkdown Checklist (SWC) <u>SWC- 75</u>	Status: Y⊠ N⊡ U⊡			
Equipment ID No. <u>CH-4A</u> Equip. Class ¹ <u>5</u> , HORIZONTA	LPUMPS			
Equipment Description BORIC ACID PUMP				
Location: Bldg. AUX Floor El. 1007' Room, Area 26, 22W	/'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 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□			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□			
4. Is the anchorage free of visible cracks in the concrete near the anchors?				

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 313 OF 404

		SMIC WALKDOWN CHECKLIST FORM
	2 of 4	Status: Y⊠ N⊡ U⊡
	nic Walkdown Checklist (SWC) <u>SWC- 75</u> ment ID No. <u>CH-4A</u> Equip. Class <u>2 5, HORIZONTAL P</u>	
• •	ment 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).	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
	·	
<u>Intera</u>	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures?	YX N U N/A
8	Are overhead equipment, distribution systems, ceiling tiles and lighting,	
0.	and masonry block walls not likely to collapse onto the equipment?	
9.	Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 314 OF 404

.

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

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 315 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	
	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>S</u>	SWC- 75
Equipment ID No. <u>CH-4A</u> Eq	uip. Class4_5, HORIZONTAL PUMPS
Equipment Description BORIC ACID PUMP	
Photographs	
and the second states of the	
And the second second second second second	
Note: Equipment.	Note:

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	· · · · · ·
	Status: Y🔀 N 🗍 U
Seismic Walkdown Checklist (SWC) <u>SWC- 76</u>	
Equipment ID No. <u>FP-1B</u> Equip. Class ¹ <u>5</u> , <u>HORIZONTAL</u>	PUMPS
Equipment Description DIESEL FIRE PUMP	
Location: Bldg. Intake Floor El. 1009' Room, Area Intake, 1	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 Walkdow SWEL. The space below each of the following questions may be used to red findings. 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∐
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX N UNA
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 317 OF 404

1.	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist	(SWC) SWC- 76	Status: YX N U
Equipment ID No. <u>FP-1B</u>	Equip. Class ² <u>5, HORIZONTAL PL</u>	IMPS
Equipment Description DIESEL F		
5. Is the anchorage configurat	tion consistent with plant documentation? pplies if the item is one of the 50% for which	
The anchorage configuration Rev. 2 (File# 16761).	on is consistent with drawing 3-2241, Sh. 1B,	
Based on the above anchor potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Y⊠ N□ U□
Interaction Effects	·	· · ·
7. Are soft targets free from in Not a soft target	npact by nearby equipment or structures?	Y□ N□ U□ N/A⊠
	istribution systems, ceiling tiles and lighting, ot likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have ade	equate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismi of potentially adverse seism	c interaction evaluations, is equipment free nic interaction effects?	YX N U

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 318 OF 404

	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. Class ³ <u>5</u> , HORIZONTA	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?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
	Υ. Υ.
John Kao Evaluated by: John Kao	Date: <u>8/17/2012</u>
Alex Smerch Mie han	8/17/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 319 OF 404

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 320 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM		
Sheet 1 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 77</u>	Status: Y⊠ N⊡ U⊡		
Equipment ID No. <u>FP-456</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-		
Equipment Description FIRE HOSE CABINET FP-10D 2 1/2 "AUX HOSE COM			
Location: Bldg. AUX Floor El. 1039' Room, Area 81, 1W'K-0N	l'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			
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y□ N⊠		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?			
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠		

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 77</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FP-456</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description FIRE HOSE CABINET FP-10D 2 1/2 " AUX HOSE CO	NNECTION 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? N/A – Inline Valve 	YX 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?	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?	

.

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	, to to a prove the entry of the designment with the
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 77</u>	
Equipment ID No. <u>FP-456</u> <u>OPERATED VALVES</u>	RATED AND SOLENOID-
Equipment Description FIRE HOSE CABINET FP-10D 2 1/2 "AUX HOSE CABINET FP-10 "AUX HOSE CABINET FP-10D 2 AUX HOSE CABINET	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Min.	Date: <u>8/18/2012</u>
Evaluated by: <u>Alex Smerch Mic Loss</u> John Kao John Kao	8/18/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 323 OF 404

	191	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 4 of 4		
Seismic Walkdown Checklist (SWC)	SWC- 77	Status: Y N U
Equipment ID No. <u>FP-456</u>	Equip. Class4	8. MOTOR-OPERATED AND SOLENOID- VALVES
Equipment Description FIRE HOSE CABI	NET FP-10D 2	1/2 " AUX HOSE CONNECTION VALVE
Photographs	2 2 2 3 3 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
Note: Equipment Tag.		Note:

Seisi	MIC WALKDOWN CHECKLIST FORM		
Sheet 1 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 78</u>	Status: Y⊠ N∏ U∏		
Equipment ID No. <u>FW-164</u> Equip. Class <u>1</u> 8, <u>MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-		
Equipment Description STEAM GENERATOR RC-2A AUXILIARY FEEDWATE	R INLET CHECK VALVE		
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 on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.			
Anchorage			
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y□ N⊠		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠		
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠		

.

,

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 325 OF 404

ISMIC WALKDOWN CHECKLIST, FORM
Status: Y⊠ N∏ U∏
TED AND SOLENOID-
TER INLET CHECK VALVE
Y
Y⊠ N□ U□
Y⊠ N∏ U∏ N/A∏
, Y⊠ N⊡ U⊡ N/A⊡
Y⊠ N□ U□ N/A□
Y⊠ N□ U□

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

.

	Seis	MIC WAL	KDOWN CHECKLIST FORM
Sheet 3 of 4			
Seismic Walkdown Checklist (SWC) <u>S</u>	WC- 78_	Sta	tus: Y⊠ N⊡ U⊡
Equipment ID No. <u>FW-164</u> Equ <u>OP</u>	uip. Class3 <u>8, MOTOR-OPERA</u> ERATED VALVES	TED AND	SOLENOID-
Equipment Description STEAM GENERATOR	RC-2A AUXILIARY FEEDWAT	<u>er inle</u>	T CHECK VALVE
Other Adverse Conditions			
11. Have you looked for and found no other adversely affect the safety functions of the safety functio		Y⊠ N	
<u>Comments (</u> Additional pages may be added as	necessary)		
			·
Evaluated by: Alex Smerch Mue		_ Date:	8/27/12
Evaluated by: <u>Alex Smerch Mar Insis</u> <u>Kevin Bessell Min Bard</u>		_	8/27/12
		•	-

`

.

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 327 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

Status: YX N U

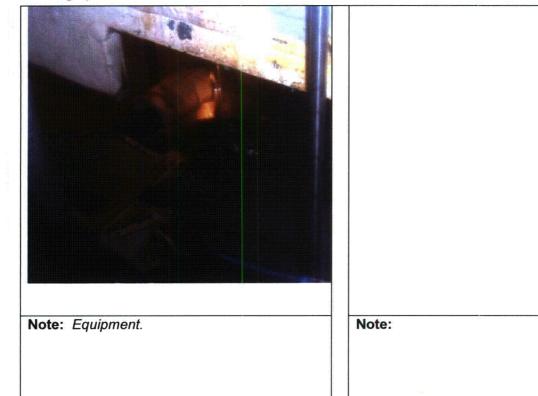
Seismic Walkdown Checklist (SWC) SWC- 78

Equip. Class4 8, MOTOR-OPERATED AND SOLENOID-OPERATED VALVES

Equipment Description STEAM GENERATOR RC-2A AUXILIARY FEEDWATER INLET CHECK VALVE

Photographs

Equipment ID No. FW-164



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 328 OF 404

Seismic	WALKDOWN CHECKLIST FORM		
Sheet 1 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 79</u>	Status: YX N U		
Equipment ID No. <u>FW-171</u> Equip. Class <u></u> 8, <u>MOTOR-OPERATED</u> <u>OPERATED VALVES</u>	AND SOLENOID-		
Equipment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISCHARGE V	ALVE		
Location: Bldg. <u>AUX</u> Floor El. <u>997'</u> Room, Area <u>19, 7W'C-16N'3</u>	4		
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 of the 50% of SWEL items requiring such verification)? 	□ N⊠		
2. Is the anchorage free of bent, broken, missing or loose hardware? Y	_ N <u>_</u> U <u>_</u> N/A⊠		
3. Is the anchorage free of corrosion that is more than mild surface Y[oxidation?	_ n_ u_ n/a⊠		
4. Is the anchorage free of visible cracks in the concrete near the Y[anchors?	_ N <u>_</u> U <u>_</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- 79</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>FW-171</u> Equip. Class ² <u>8</u> , <u>MOTOR-OF</u> <u>OPERATED VALVES</u>	PERATED AND SOLENOID-
Equipment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISC	HARGE VALVE
 Is the anchorage configuration consistent with plant documentatior (Note: This question only applies if the item is one of the 50% for w an anchorage configuration verification is required.) 	
 Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions? N/A 	of Y⊠N□U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures	s? Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and ligh and masonry block walls not likely to collapse onto the equipment? Light Fixture was examined overhead. It was determined after furth discussion that the looselightbulls falling would not damage compo	her
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
 Based on the above seismic interaction evaluations, is equipment for potentially adverse seismic interaction effects? Nearby line has close supports and would not displace enought between supports in seismic event to contact component. 	free Y⊠ N∏ U∏

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 79</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FW-171</u> Equip. Class3 <u>8</u> <u>MOTOR-OP</u> <u>OPERATED VALVES</u>	ERATED AND SOLENOID-
Equipment Description MOTOR-DRIVEN AUX FEED PUMP FW-6 DISC	HARGE 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 YX NI UI
Comments (Additional pages may be added as necessary)	
Evaluated by: Alex Smerch Mix Language	Date: <u>8/13/12</u>
Evaluated by: <u>Alex Smerch Mic Lange</u> John Kao John Kao	8/13/12

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 331 OF 404

			SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4	11 		
Solomia Walkdow	wp Chacklist (SWC)	SWC 79	Status: Y N U
Seismic walkuow	wn Checklist (SWC)	300-79	
Equipment ID No.	<u>FW-171</u>	_ Equip. Class₄ <u>8, MOTOR-O</u> OPERATED VALVES	PERATED AND SOLENOID-
Equipment Descripti	ion <u>MOTOR-DRIVEN</u>	AUX FEED PUMP FW-6 DISC	CHARGE VALVE
Photographs	na en		de en la factue de la companya de la companya. La companya de la comp
Note: Equipment		Note:	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 332 OF 404

Seisi	MIC WALKDOWN CHECKLIST FORM		
Sheet 1 of 4	-		
Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>	Status: Y⊠ N⊡ U⊡		
Equipment ID No. <u>FW-172</u> Equip. Class <u>1</u> 8, <u>MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-		
Equipment Description <u>TURB-DRIVEN AUX FEED PUMP FW-10 DISCHARGE</u>	EVALVE		
Location: Bldg. <u>AUX</u> Floor El. <u>997'</u> Room, Area <u>19, 7W'C-7N</u>	I'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			
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y NX		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y□ N□ U□ N/A⊠		
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠		
4. Is the anchorage free of visible cracks in the concrete near the anchors?			

.

SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FW-172</u> Equip. Class ² <u>8</u> <u>MOTOR-OPERA7</u> <u>OPERATED VALVES</u>	ED AND SOLENOID-
Equipment Description TURB-DRIVEN AUX FEED PUMP FW-10 DISCHARGE	EVALVE
 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	YX NI UI
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Valve is 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? 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∏
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 334 OF 404

Se	ISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>FW-172</u> Equip. Class <u>3</u> 8, <u>MOTOR-OPERA</u> <u>OPERATED VALVES</u>	ATED AND SOLENOID-
Equipment Description <u>TURB-DRIVEN AUX FEED PUMP FW-10 DISCHAR</u>	GE 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?	YX NI UI
There is a chain attached. This item is not seen as a credible source as it does not have much mass.	S
<u>Comments (Additional pages may be added as necessary)</u>	
Evaluated by: Alex Smerch Much	Date: <u>8/13/12</u>
Evaluated by: <u>Alex Smerch Mue Lange</u> John Kao	8/13/12

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

~

EA12-021, Rev. 0 **ATTACHMENT 11.2** PAGE 335 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

Status: YX N U

Seismic Walkdown Checklist (SWC) <u>SWC- 80</u>		
Equipment ID No. <u>FW-172</u> Equip. Clas <u>OPERATEL</u>	s4_ <u>8, MOTOR-OPERATED AND SOLENOID-</u> D VALVES	
Equipment Description TURB-DRIVEN AUX FEED PUMP FW-10 DISCHARGE VALVE		
Photographs		
Note: Equipment.	Note:	

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

Sheet 4 of 4

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 336 OF 404

SEISMIC WALKDOWN CHECKLIST	Form	
Sheet 1 of 5		
Status: YX NI L	<u></u> ٦	
Equipment ID No. <u>HCV-1040</u> Equip. Class ¹ _7, PNEUMATIC-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		
 Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)? 		
2. Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N⊡ U⊡ N/A⊡		
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N⊡ U⊡ N/A⊡ oxidation?		
 Is the anchorage free of visible cracks in the concrete near the Y N U N/A A N/A N/A N/A 		

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 337 OF 404

Seis	MIC 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, PNEUMATIC-OP	ERATED VALVES
Equipment Description MAIN STEAM ATMOSPHERIC DUMP 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.) 	
Requires plant documentation to verify. Snubber strut tag #'s: MSS- 45A, MSS-45B. 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?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? <i>Lighting overhead looked at but was examined to be sturdily secured.</i>	YX NI UI N/AI
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?	

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 <u>7</u> , PNEUMATIC-O	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: <u>Alex Smerch Mice John Kao</u>	Date: <u>8/18/2012</u>
John Kao	
John Kao 🖉	8/18/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 339 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 81</u>	Status: YX N U
Equipment ID No. <u>HCV-1040</u> Equip. Class	4_7, PNEUMATIC-OPERATED VALVES
Equipment Description MAIN STEAM ATMOSPHERIC	DUMP VALVE
Photographs	
Note: Overview of equipment.	Note: Support plate, I-beam, and strut
	×

EA12-021, Rev. 0 **ATTACHMENT 11.2** PAGE 340 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

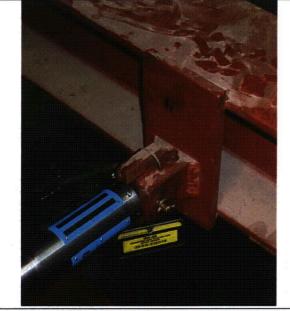
Sheet 5 of 5

Status: YX N U

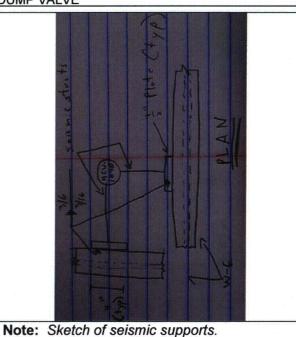
Seismic Walkdown Checklist (SWC) <u>SWC- 81</u>

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)



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

Sek	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	e
Colomia Malkdown Chocklist (SMC) SMC 82	Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWC- 82</u>	
Equipment ID No. <u>HCV-2917</u> Equip. Class <u>7, PNEUMATIC-OPE</u>	RATED 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 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	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y N
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N⊡ U⊡ N/A⊡

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 342 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 82</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>HCV-2917</u> Equip. Class ² 7, PNEUMATIC-OPE	ERATED VALVES
Equipment Description HPSI PUMP 2C SUCTION 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.)	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?	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{name} from Appendix B: Classes of Equipment.

1

	MIC WAI		CKLIST FOR
Sheet 3 of 4			
	Sta	atus: Y🔀	N U
Seismic Walkdown Checklist (SWC) <u>SWC- 82</u>			
Equipment ID No. <u>HCV-2917</u> Equip. Class <u>3 7, PNEUMATIC-OPI</u>	RATED	VALVES	
Equipment Description HPSI PUMP 2C SUCTION ISOLATION 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?	Υ⊠		
• • • • • • • • • • • • • • • • • • •			
Comments (Additional pages may be added as necessary)			
John Kao			
Evaluated by: John Kao	_ Date:	<u>8/23/2012</u>	
Alex Smerch Mue la		<u>8/23/2012</u>	
·			

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

.

EA12-021, Rev. 0 **ATTACHMENT 11.2** PAGE 344 OF 404

Sheet 4 of 4	Ł
--------------	---

SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) _ SWC- 82_

Status: YX N U

Equipment ID No. HCV-2917 Equip. Class4_7, PNEUMATIC-OPERATED VALVES

Equipment Description HPSI PUMP 2C SUCTION ISOLATION VALVE

Photographs



Note: Equipment.

Note:

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 345 OF 404

.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>HCV-2918</u> Equip. Class <u>17, PNEUMATIC-OPE</u>	RATED VALVES
Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE	
Location: Bldg. AUX Floor El. 979' Room, Area 21, 46W'T-2	
Manufacturer, Model, Etc. (optional but recommended)	·
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record 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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 346 OF 404

SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
	Status: Y🛛 N 🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	
Equipment ID No. <u>HCV-2918</u> Equip. Class ² 7, PNEUMATIC-OP	ERATED VALVES
Equipment Description HPSI PUMP 2C DISCHARGE 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.) 	
Needs plant documentation to confirm. See sketch in photos section below. 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?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 347 OF 404

	SEISMIC WALKDOWN CHECKLIST FO
Sheet 3 of 5	
Rojemia Walkdown Chacklist (SWC) SWC 92	Status: YX N U
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	
Equipment ID No. <u>HCV-2918</u> Equip. Class <u>3_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 coul adversely affect the safety functions of the equipment?	ld Y⊠ N∏ U∏
Comments (Additional pages may be added as necessary)	
•	
	· ·
John Kao	
Evaluated by: <u>John Kao (</u>	Date: <u>8/23/12</u>
JI <i>1</i>	
Alex Smerch the land	8/23/12

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

-

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 348 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 83</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. HCV-2918 Equip. Clas	s ⁴ 7, PNEUMATIC-OPERATED VALVES
Equipment Description HPSI PUMP 2C DISCHARGE I	SOLATION VALVE
Photographs	
Note: Equipment.	Note: View of anchorage.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 349 OF 404

Sheet 5 of 5

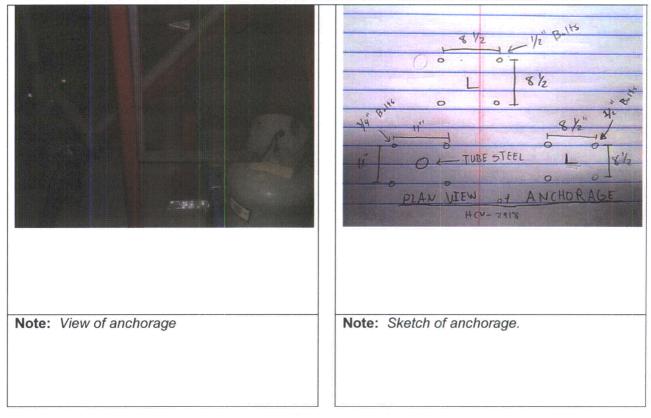
SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) SWC- 83

Status: Y N U

Equipment ID No. HCV-2918 Equip. Class⁵ 7, PNEUMATIC-OPERATED VALVES

Equipment Description HPSI PUMP 2C DISCHARGE ISOLATION VALVE



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 350 OF 404

.

5	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 84</u>	
Equipment ID No. <u>HCV-2947</u> Equip. Class <u>17, PNEUMATIC-C</u>	OPERATED VALVES
Equipment Description LPSI PUMP SI-1A SUCTION VALVE	
Location: Bldg. AUX Floor El. <u>981</u> Room, Area <u>21, 9E'U</u>	-7N'6C
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	· ·
 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?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

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

.

~

•

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet	2 of 5	
Seisn	nic Walkdown Checklist (SWC) <u>SWC- 84</u>	Status: Y⊠ N⊡ U⊡
Equipr	nent ID No. <u>HCV-2947</u> Equip. Class ² 7, PNEUMATIC-OPE	RATED VALVES
Equipr	ment 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?	Y NX U
	Based on the missing documentation (see item #5 above).	
	ction 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?	Y⊠ N∏ U∏ N/A∏
9.	Do attached lines have adequate flexibility to avoid damage?	Υ⊠ Ν□ U□ Ν/Α□ ΄
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

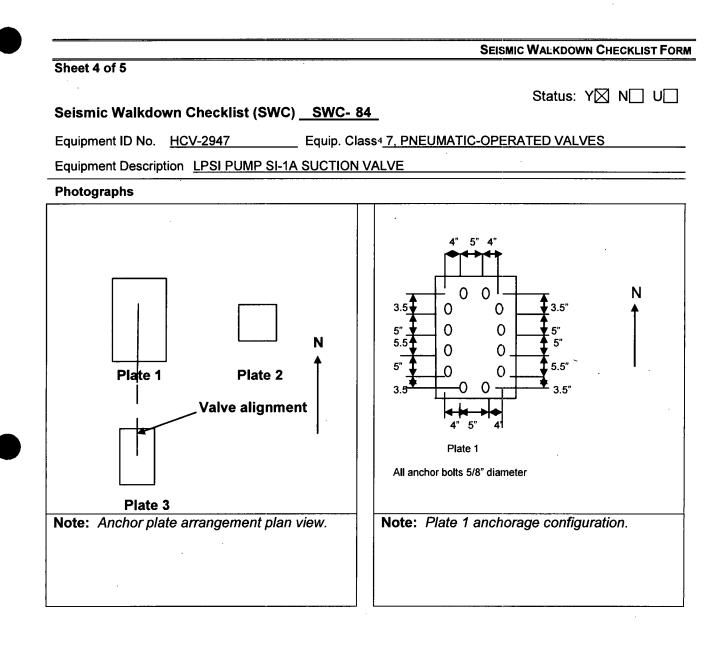
² Enter the equipment class <u>name</u> from Appendix B: Classes of Equipment.

•

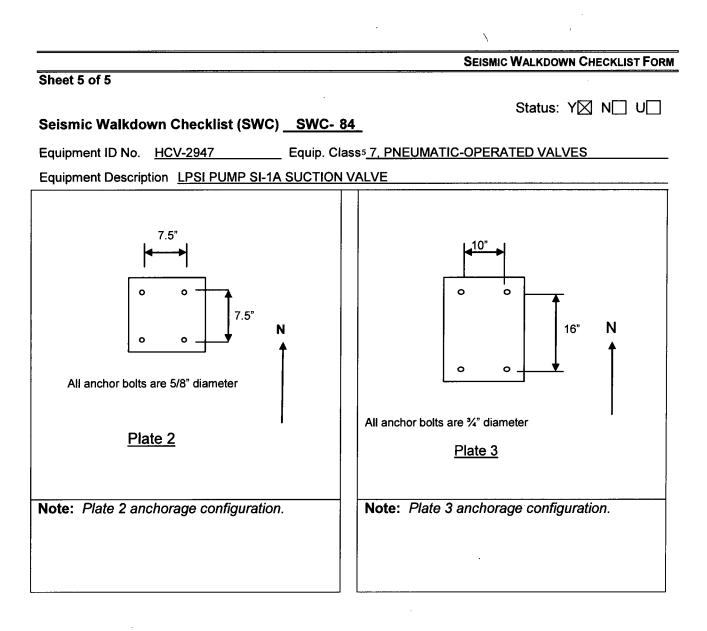
EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 352 OF 404

Sei	SMIC WAI	LKDOWN CHECKLIST FO
Sheet 3 of 5	Sta	atus: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWC- 84</u>		
Equipment ID No. <u>HCV-2947</u> Equip. Class <u>3 7, PNEUMATIC-OPI</u>	ERATED	O VALVES
Equipment Description LPSI PUMP SI-1A SUCTION 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⊠	
<u>Comments (Additional pages may be added as necessary)</u>		
Evaluated by: John Kao	_ Date:	<u>8/23/2012</u>
Alex Smerch Mer lang	_	8/23/2012
-		

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 353 OF 404



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 354 OF 404



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

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>HCV-2948</u> Equip. Class <u>17, PNEUMATIC-OPE</u>	RATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE	
Location: Bldg. AUX Floor El. 980' Room, Area 21, 42W'T-4	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 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□
3. Is the anchorage free of corrosion that is more than mild surface	
oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the	Y⊠ N□ U□ N/A□
anchors?	

SEISMIC WALKDOWN CHECKLIST FORM Sheet 2 of 5 Status: YX N U Seismic Walkdown Checklist (SWC) SWC- 85 Equipment ID No. HCV-2948 Equip. Class² 7, PNEUMATIC-OPERATED VALVES Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE 5. Is the anchorage configuration consistent with plant documentation? (Note: This guestion 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. 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? YX N U 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 356 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Salamia Walkdown Chaptelint (SMC) SMC 85	Status: Y⊠ N∏ U∏
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	
Equipment ID No. <u>HCV-2948</u> Equip. Class <u>3 7, PNEUMATIC</u>	-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?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
	,
· ·	
Evaluated by: <u>Alex Smerch Michael</u> John Kao	Date: <u>8/23/12</u>
John Kao	8/23/12

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 358 OF 404

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
	Status: YX N U
Seismic Walkdown Checklist (SWC) <u>SWC- 85</u>	
Equipment ID No. <u>HCV-2948</u> Equip. Clas	s ⁴ 7, PNEUMATIC-OPERATED VALVES
Equipment Description LPSI PUMP SI-1A DISCHARG	E VALVE
Photographs	
Note: Equipment.	Note: Plan view of anchorage.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 359 OF 404

Sheet 5 of 5

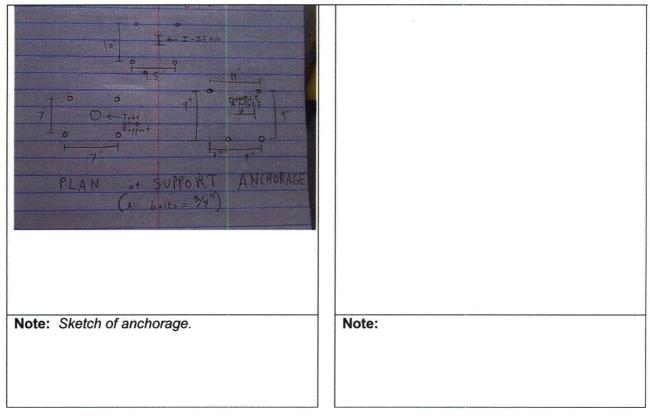
SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) SWC- 85

Status: YX N U

Equipment ID No. HCV-2948 Equip. Class⁵ 7, PNEUMATIC-OPERATED VALVES

Equipment Description LPSI PUMP SI-1A DISCHARGE VALVE



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 360 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWC- 86</u>	Status: Y⊠ N⊟ U⊟
Equipment ID No. <u>HCV-305</u> Equip. Class ¹ 7, PNEUMATIC-OPE	RATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONNEC	T VALVE
Location: Bldg. AUX Floor El. 980' Room, Area 21, 39W'T-1	6N'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 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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

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

.

Seism	IC 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 <u>7</u> , <u>PNEUMATIC-OPE</u>	RATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONNECT	T 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.) Needs to be confirmed with plant documentation. See sketch in photos section. 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?	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
	· · · · · · · · · · · · · · · · · · ·

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 362 OF 404

C	MIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	MIC WALLDOWN CHECKLIST FORM
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 86</u>	
Equipment ID No. <u>HCV-305</u> Equip. Class <u>3 7, PNEUMATIC-OPE</u>	ERATED VALVES
Equipment Description HPSI PUMP SI-2A/2C DISCHARGE CROSSCONNEC	TVALVE
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NI UI
Comments (Additional pages may be added as necessary)	
· · · · · ·	
Evaluated by: Alex Smerch Much	Date: <u>8/23/12</u>
Evaluated by: <u>Alex Smerch Mic Lossing</u> John Kao	
John Kao	8/23/12

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 363 OF 404

Sheet 4 of 5

Status: YX N U

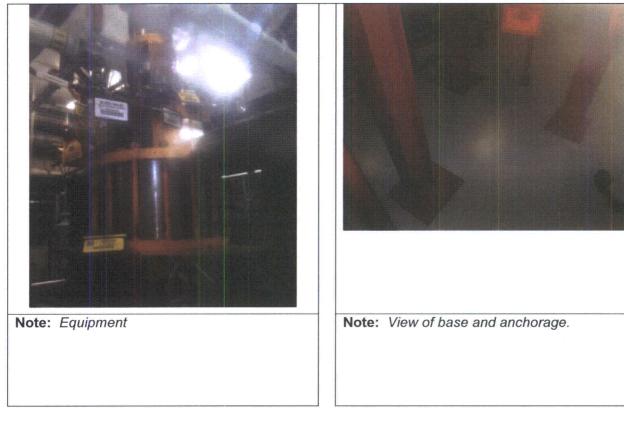
SEISMIC WALKDOWN CHECKLIST FORM

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



EA12-021, Rev. 0 **ATTACHMENT 11.2** PAGE 364 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

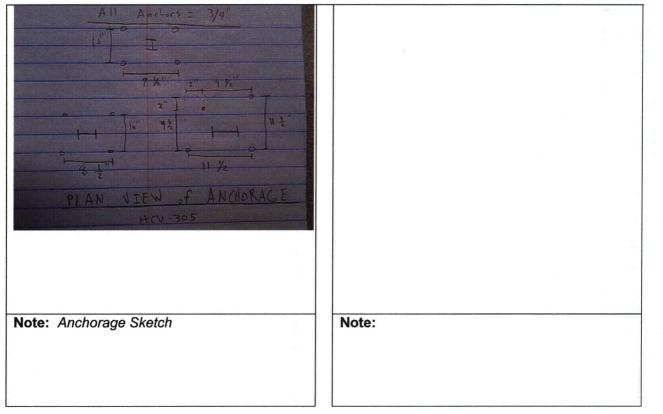
Sheet 5 of 5

Status: YX N U

Seismic Walkdown Checklist (SWC) SWC- 86

Equipment ID No. HCV-305 Equip. Class⁵ 7, PNEUMATIC-OPERATED VALVES

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



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

•

SEISMIC WALKDOWN CHECKLIST FOR	M
Sheet 1 of 4	
Status: YX N U	
Equipment ID No. <u>IA-12</u> Equip. Class ¹ 21, TANKS AND HEAT EXCHANGERS	_
Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATOR	_
Location: Bldg. CONT Floor El. 1045' 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 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□	
 3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation? Mild corrosion noted and discussed. Not of concern. 	
 4. Is the anchorage free of visible cracks in the concrete near the Y□ N□ U□ N/A⊠ anchors? Mounted on grating. 	

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

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 366 OF 404

.

Seisi	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 87</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>IA-12</u> Equip. Class ² <u>21, TANKS AND HE</u>	AT 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⊠
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?	
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	Y⊠ N□ U□ N/A□
activity because the insulation is not a rigid component. 9. Do attached lines have adequate flexibility to avoid damage?	
 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? 	

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

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 87</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>IA-12</u> Equip. Class <u>3</u> 21, TANKS ANI	
Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATO	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?	ld Y⊠ N⊡ U⊡
Comments (Additional pages may be added as necessary)	
	· · · · ·
	· · · · · · · · · · · · · · · · · · ·
Evaluated by: Alex Smerch Min In Signature	Date: <u>8/27/12</u>
Evaluated by: <u>Alex Smerch Mice Income</u> Kevin Bessell Mice Band	8/27/12

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 368 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 4

Status: YX N U

Seismic Walkdown Checklist (SWC) _____ SWC- 87

Equipment ID No. IA-12 Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description HCV-240 INSTRUMENT AIR AIR ACCUMULATOR

Photographs



Note: Equipment (canister).

Note:

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 369 OF 404

,

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

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

1

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 2 of 4 Seismic Walkdown Checklist (SWC) <u>SWC- 88</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>RM-051</u> Equip. Class² <u>18, INSTRUME</u>	NTRACKS
Equipment Description CONTAINMENT NOBLE GAS RADIATION MONI	TOR REMOTE RATEMETER
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh an anchorage configuration verification is required.) The anchorage configuration is consistent with drawing 703816-001 Rev. 0 (File# 42973) 	hich
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	of 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 lightian and masonry block walls not likely to collapse onto the equipment?	ing, 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 from of potentially adverse seismic interaction effects?	ee Y⊠ N⊡ U⊡

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 370 OF 404

.

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

EA12-021,	Rev. 0
ATTACHME	NT 11.2
PAGE 371	OF 404

.

,

	EISMIC WALKDOWN CHECKLIST FO
Sheet 3 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 88</u>	Status: Y⊠ N∏ U[
Equipment ID No. <u>RM-051</u> Equip. Class <u>3 18, INSTRUMEN</u>	TRACKS
Equipment Description <u>CONTAINMENT NOBLE GAS RADIATION MONIT</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX NI UI
<u>Comments (</u> Additional pages may be added as necessary)	
·	
<i>,</i>	
Cl KAA	· · ·
Evaluated by: John Kao	Date: <u>8/18/2012</u>
Alex Smerch Mic horse	8/18/2012
·	
·	

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

,

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 372 OF 404 SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 4 Status: YX N U Seismic Walkdown Checklist (SWC) SWC- 88 Equipment ID No. RM-051 Equip. Class4 18, INSTRUMENT RACKS Equipment Description CONTAINMENT NOBLE GAS RADIATION MONITOR REMOTE RATEMETER Photographs Note: Equipment. Note:

,

S	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 89</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>SI-6A</u> Equip. Class ¹ 21, TANKS AND H	IEAT EXCHANGERS
Equipment Description SAFETY INJECTION TANK	
Location: Bldg. <u>CONT</u> Floor El. <u>1013</u> Room, Area <u>CONT</u> 3	V'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 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 documen	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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
	•

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 374 OF 404

		Seis	MIC WALKDO	WN CHECKLIST FORM
Sheet	2 of 4			
Seisr	nic Walkdown Checklist (SWC)	SWC- 89	Status:	Y⊠ N□ U□
Equip	ment ID No. <u>SI-6A</u>	Equip. Class ² 21, TANKS AND HE	AT EXCHAN	GERS
Equip	ment Description SAFETY INJECTIO	ON TANK		
5.	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[]
	The anchorage configuration is cons Sh. 1, Rev. 8 (File# 16415) and 114			
6.	Based on the above anchorage eva potentially adverse seismic condition		Y⊠ N□	U
Intera	ction Effects			
7.	Are soft targets free from impact by <i>Not a soft target.</i>	nearby equipment or structures?	Y N	U∏ N/A⊠
8.	Are overhead equipment, distributio and masonry block walls not likely to		YXINLI	U N/A
	-			
9.	Do attached lines have adequate fle	xibility to avoid damage?	YKINLI	
10.	Based on the above seismic interact of potentially adverse seismic intera		Y⊠ N□	υ

4

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

.

٠

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 375 OF 404

	SMIC WA	KDOWN CHE	CKLIST FO
Sheet 3 of 4			
Seismic Walkdown Checklist (SWC) <u>SWC- 89</u>	Sta	atus: Y🔀	
Equipment ID No. <u>SI-6A</u> Equip. Class <u>3_21, TANKS AND H</u>	EAT EXC	HANGERS	
Equipment Description SAFETY INJECTION 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?	YX		
·			
Comments (Additional pages may be added as necessary)			
ah Kao	<u>.</u> ,		
Evaluated by: John Kao	Date:	8/22/2012	
Alex Smerch Mue lang		<u>8/22/2012</u>	
		`	

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

,

ATTACHMENT 11.2 PAGE 376 OF 404

Sheet 4 of 4

Status: YX N U

SEISMIC WALKDOWN CHECKLIST FORM

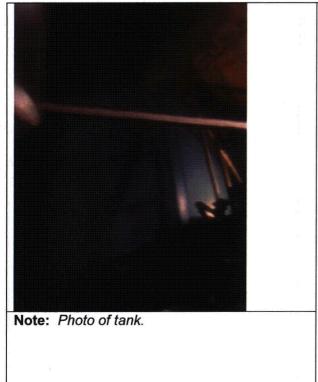
EA12-021, Rev. 0

Seismic Walkdown Checklist (SWC) <u>SWC- 89</u>

Equipment ID No. SI-6A Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description SAFETY INJECTION TANK

Photographs



Note:		
HOLE.		



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 377 OF 404

Seisi	MIC WALKDOWN CHECKLIST FORM	
Sheet 1 of 4		
	Status: Y⊠ N⊡ U⊡	
Seismic Walkdown Checklist (SWC) <u>SWC- 90</u>		
Equipment ID No. VA-280 Equip. Class ¹ 8, MOTOR-OPERATED AND SOLENOID- OPERATED VALVES		
Equipment Description CNTMT H2 PURGE OUTBOARD ISOL VALVE TO CNTMT H2 PURGE FAN VA-80B		
Location: Bldg. AUX Floor El. 1020' Room, Area 59, 9E'P-0N'	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 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)? In-line valve 	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?		
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.

,

1

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 378 OF 404

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4		
Seismic Walkdown Checklist (SWC)	<u>SWC- 90</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>VA-280</u>	Equip. Class ² _8, MOTOR-OPERAT OPERATED VALVES	ED AND SOLENOID-
Equipment Description CNTMT H2 PURG	E OUTBOARD ISOL VALVE TO CN	TMT H2 PURGE FAN VA-80B
5. Is the anchorage configuration cons (Note: This question only applies if t an anchorage configuration verificat <i>In-line valve</i>	he item is one of the 50% for which	
 Based on the above anchorage eva 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⊠
8. Are overhead equipment, distributio 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□
10. Based on the above seismic interact of potentially adverse seismic interact		

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

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

•

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 380 OF 404

	SEISMIC WALKDOWN CHECKLIST FOR			
Sheet 4 of 4				
Seismic Walkdown Checklist (SWC)	Status: Y N U			
Equipment ID No. VA-280 Equipment ID No. O	Equip. Class4_ <u>8, MOTOR-OPERATED AND SOLENOID-</u> OPERATED VALVES			
Equipment Description CNTMT H2 PURGE (OUTBOARD ISOL VALVE TO CNTMT H2 PURGE FAN VA-80B			
Photographs				
Note: Equipment.	Note:			

SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4
Status: Y N U
Seismic Walkdown Checklist (SWC) <u>SWC- 27</u>
Equipment ID No. <u>HCV-484</u> Equip. Class ¹ 7, PNEUMATIC-OPERATED VALVES
Equipment Description SHUTDOWN COOLING HT EXCH AC-4A CCW OUTLET VALVE
Location: Bldg. <u>AUX</u> Floor El. <u>993'</u> Room, Area <u>4, 2E'E-22N'5B</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⊠
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 Y N U N/A anchors?

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 382 OF 404

Sek	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 27</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>HCV-484</u> Equip. Class ² _7, <u>PNEUMATIC-OF</u>	ERATED VALVES
Equipment Description SHUTDOWN COOLING HT EXCH AC-4A CCW OUT	ET 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.) 	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? <i>In-line valve</i>	Y⊠ N∏ U∏
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Not a soft target	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	

.

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

EA12-021, Rev. 0
ATTACHMENT 11.2
PAGE 383 OF 404

	ISMIC WALKDOWN CHECKLIST FO
Sheet 3 of 4	
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 27</u>	
Equipment ID No. <u>HCV-484</u> Equip. Class3 <u>7, PNEUMATIC-O</u>	PERATED VALVES
Equipment Description SHUTDOWN COOLING HT EXCH AC-4A CCW OUT	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
· · · · · · · · · · · · · · · · · · ·	
John Kao	•
Evaluated by: John Kao	Date: <u>8/20/2012</u>
Alex Smerch Mice In	8/20/2012
	•

.

.

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

.

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 384 OF 404

Sh	eet	4	of	4

SEISMIC WALKDOWN CHECKLIST FORM

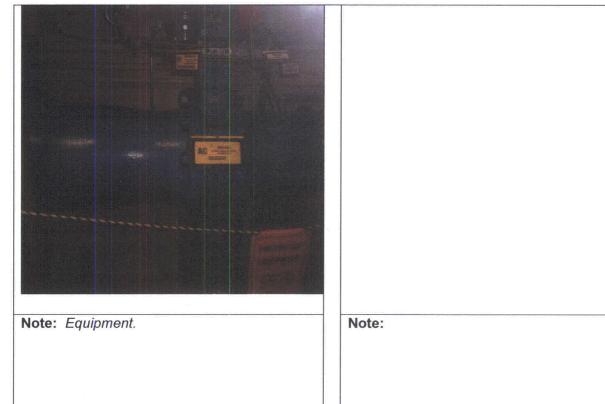
Status: Y N U

Seismic Walkdown Checklist (SWC) __SWC- 27_

Equipment ID No. HCV-484 Equip. Class4 7, PNEUMATIC-OPERATED VALVES

Equipment Description SHUTDOWN COOLING HT EXCH AC-4A CCW OUTLET VALVE

Photographs



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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 385 OF 404

S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 92</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>AC-5A</u> Equip. Class <u>1_5, HORIZONTAL</u>	PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
Location: Bldg. <u>Aux.</u> Floor El. <u>989'</u> Room, Area <u>5, 10E'T-</u>	3N'5D
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 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□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N⊡ U⊡ N/A⊡
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N⊡ U⊡ N/A⊡

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 386 OF 404

	S	EISMIC WALKDOWN CHECKLIST FORM
Sheet	2 of 4	
Seisn	nic Walkdown Checklist (SWC) <u>SWC- 92</u>	Status: Y⊠ N⊡ U⊡
Equipr	nent ID No. <u>AC-5A</u> Equip. Class <u>2_5, HORIZONTAL</u>	PUMPS
Equipr	nent 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 whi 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 vendo drawing suggests that design is for "Bed Plate #1" See OPPD Rev. S 36510 (File# 10331). Licensing Basis Evaluation is required.	Dr.
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y N V
Intera	ction 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□
8.	Are overhead equipment, distribution systems, ceiling tiles and lightin and masonry block walls not likely to collapse onto the equipment?	g, 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?	e Y□ N⊠ U□

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 387 OF 404

	SEISMIC WALKDOWN CHECKLIST F
Sheet 3 of 4	
Sciemic Walkdown Checklist (SM(C) SM(C 92	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 92</u>	
Equipment ID No. <u>AC-5A</u> Equip. Class <u>3</u> 5, HORIZONTA	L PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP	
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□
John Kao	
	Date: <u>8/20/2012</u>
Alex Smerch Mue	Date: <u>8/20/2012</u>
Alex Smerch Muc	Date: <u>8/20/2012</u>

•

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 388 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

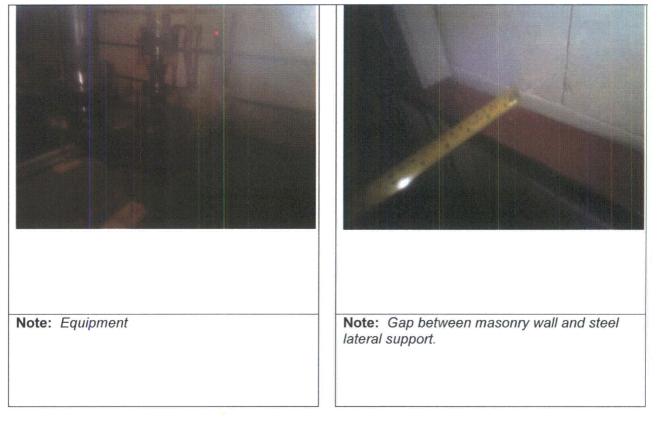
Status: YX N U

Seismic Walkdown Checklist (SWC) _____ SWC- 92___

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

Equipment Description SPENT FUEL POOL CIRCULATING PUMP

Photographs



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- 93</u>
Seisinic Walkdown Checklist (SWC)
Equipment ID No. <u>AC-5B</u> Equip. Class ¹ <u>5</u> , HORIZONTAL PUMPS
Equipment Description SPENT FUEL POOL CIRCULATING PUMP
Location: Bldg. <u>Aux.</u> Floor El. <u>989</u> ' Room, Area <u>5, 14E'T-3N'5D</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⊡
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 Y⊠ N□ U□ N/A□
anchors?

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

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 390 OF 404

Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 93</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>AC-5B</u> Equip. Class ² <u>5</u> , HORIZONTAL PU	MPS
Equipment Description SPENT FUEL POOL CIRCULATING 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.) 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 NX 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□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N∏ U∏ N/A∏
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y NX U

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 391 OF 404

,

	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 4 Seismic Walkdown Checklist (SWC) <u>SWC- 93</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>AC-5B</u> Equip. Class <u>3_5, HORIZONTA</u>	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⊡
<u>Comments (</u> Additional pages may be added as necessary)	
Evaluated by: <u>Alex Smerch Mu lange</u>	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.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 392 OF 404

Sheet 4 of 4

SEISMIC WALKDOWN CHECKLIST FORM

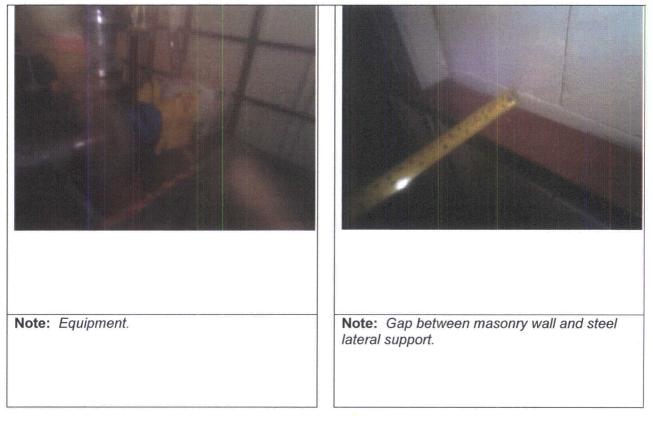
Status: Y N U

Seismic Walkdown Checklist (SWC) _ SWC- 93

Equipment ID No. AC-5B Equip. Class4_5, HORIZONTAL PUMPS

Equipment Description SPENT FUEL POOL CIRCULATING PUMP

Photographs



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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 393 OF 404

Seismic Walkdown Checklist Form
Sheet 1 of 4
Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>
Equipment ID No. <u>AC-7</u> Equip. Class ¹ _21, TANKS AND HEAT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER
Location: Bldg. <u>Aux.</u> Floor El. <u>990'</u> Room, Area <u>5, 1E'T-3S'5A</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 N∑ of the 50% of SWEL items requiring such verification)?
 Is the anchorage free of bent, broken, missing or loose hardware? Y N□ U□ N/A□ One anchor bolt was noted in each baseplate for each of the 4 support legs.
 Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation? Baseplate and bolts appeared to be covered with a blue paint
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	
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>	,
Equipment ID No. <u>AC-7</u> Equip. Class ² 21, TANKS AND HE	AT 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.) 	
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?	Y⊠ N□ U□ N/A□
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□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠N□U□
γ.	

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 395 OF 404

	EISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 4	
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 94</u>	
Equipment ID No. <u>AC-7</u> Equip. Class <u>3</u> 21, TANKS AND	HEAT EXCHANGERS
Equipment Description STORAGE POOL DEMINERALIZER	
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□
· · · · · · · · · · · · · · · · · · ·	
Comments (Additional pages may be added as necessary)	
· · ·	
Evaluated by: Kevin Bessell King Band	Date: <u>8/28/2012</u>
Alex Smerch Mice lass	8/28/2012
· · · · · · · · · · · · · · · · · · ·	

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

EA12-021, Rev. 0 **ATTACHMENT 11.2** PAGE 396 OF 404

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 4

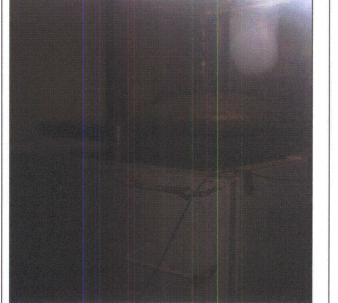
Status: Y N U

Seismic Walkdown Checklist (SWC) _ SWC- 94

Equipment ID No. AC-7 Equip. Class⁴ 21, TANKS AND HEAT EXCHANGERS

Equipment Description STORAGE POOL DEMINERALIZER

Photographs



Note: Equipment located behind block wall. Anchorage not shown.

Note:			
Note:			
here and the second sec	which we are said and the said of the said of the		



EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 397 OF 404

.

SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4
Status: Y⊠ N∏ U∏
Seismic Walkdown Checklist (SWC) <u>SWC- 95</u>
Equipment ID No. <u>AC-6</u> 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 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∑ 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? Mild surface oxidation noted.
 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.

•

.

.

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 398 OF 404

1

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC</u>	- 95
Equipment ID No. <u>AC-6</u> Equip.	Class ² _21, TANKS AND HEAT EXCHANGERS
Equipment Description STORAGE POOL FILTER	
 Is the anchorage configuration consistent wi (Note: This question only applies if the item an anchorage configuration verification is re- 	is one of the 50% for which
6. Based on the above anchorage evaluations, potentially adverse seismic conditions?	is the anchorage free of $Y \boxtimes N \square U \square$
Interaction Effects 7. Are soft targets free from impact by nearby e	equipment or structures? Y N UN/A
8. Are overhead equipment, distribution system and masonry block walls not likely to collaps	
9. Do attached lines have adequate flexibility to	o avoid damage? Y⊠ N⊡ U⊡ N/A⊡
 Based on the above seismic interaction eval of potentially adverse seismic interaction effort 	

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

`

	EISMIC WALKDOWN CHECKLIST FO
Sheet 3 of 4	
	Status: Y🛛 N🗌 U
Seismic Walkdown Checklist (SWC) <u>SWC- 95</u>	
Equipment ID No. <u>AC-6</u> Equip. Class <u>3</u> 21, TANKS AND	HEAT EXCHANGERS
Equipment Description STORAGE POOL FILTER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	· · · · · · · · · · · · · · · · · · ·
11. B.	· ·
Evaluated by: <u>Kevin Bessell Kin Band</u>	Date: <u>8/28/2012</u>
Alex Smerch Mix lang	
Alex Smerch	8/28/2012
	· .

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

			ATTACHMENT 11.2 PAGE 400 OF 404
	allo milaithe aith		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4			
			Status: Y N U
Seismic Walkdown Checklist (SWC)			
Equipment ID No. <u>AC-6</u> Equ	uip. Clas	s₄ <u>21, TANKS /</u>	AND HEAT EXCHANGERS
Equipment Description STORAGE POOL FILT	ER		
Photographs			
Note: Equipment and anchorage support.		Note:	

EA12-021, Rev. 0

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 401 OF 404

SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 4	
Seismic Walkdown Checklist (SWC) <u>SWC- 96</u>	Status: Y⊠ N∏ U∏
Equipment ID No. <u>RW-262</u> Equip. Class <u>1</u> 8, <u>MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description EMERGENCY FEEDWATER TANK FW-19 RAW WA	TER BACKUP CONNECTION
Location: Bldg. <u>AUX</u> Floor El. <u>1040'</u> Room, Area <u>81, 4W'C-3</u>	BN'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 recor 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⊠
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
	•.

.

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 402 OF 404

	Seis	MIC WALKDOWN CHECKLIST FORM
Sheet	2 of 4	
Seisn	nic Walkdown Checklist (SWC) <u>SWC- 96</u>	Status: Y⊠ N⊡ U⊡
Equipr	nent ID No. <u>RW-262</u> Equip. Class ² <u>8, MOTOR-OPERAT</u> <u>OPERATED VALVES</u>	FED AND SOLENOID-
Equipr	nent Description EMERGENCY FEEDWATER TANK FW-19 RAW WAT	ER BACKUP CONNECTION
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? <i>In-Line Valve</i>	Y⊠ N□ U□
Intera	ction Effects	
7.	Are soft targets free from impact by nearby equipment or structures? Not a soft target	Y
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9.	Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

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

WALKDOWN CHECKLIST FO
Status: Y⊠ N∏ U[
AND SOLENOID-
BACKUP CONNECTION
N U
· .
·
ate: <u>8/18/2012</u>
8/18/2012

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

EA12-021, Rev. 0 ATTACHMENT 11.2 PAGE 404 OF 404

	SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 4		
Seismic Walkdown Checklist (SWC)		Status: YX N U
Equipment ID No. <u>RW-262</u>	_ Equip. Class₄ <u>8, MOTOR-OPERA</u> <u>OPERATED VALVES</u>	TED AND SOLENOID-
Equipment Description EMERGENCY FE	EDWATER TANK FW-19 RAW WA	TER BACKUP CONNECTION
Photographs		

Note: Equipment.

Note:

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 1 OF 128

				AREA V	VALK-BY CHECKLI
Sheet 1 of 5 Area Walk-By C	hecklist (AWC)	<u>AWC- 1</u>		Status:	Y⊠ N□ U□
Location: Bldg. <u>A</u>	UX Floor El.	989	Room, Area¹ <u>19, Neal</u>	r FT-1368; FW-6;	FW-171
This checklist may space below each	of the following quest	t the result tions may b	s of the Area Walk-By nea be used to record the resu cklist for documenting oth	ults of judgments	
			ppear to be free of sible without necessarily	YX N	
	orage of equipment ir degraded conditions?		ppear to be free of	Y⊠ N□	U[] N/A[]
raceways a seismic cor	and HVAC ducting ap	pear to be f on of suppo	do the cable/conduit iree of potențially adverse rts is adequate and fill e acceptable limits)?		U N/A

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 2 OF 128

· · · · ·	AREA WALK-BY CHECK
eet 2 of 5 ea Walk-By Checklist (AWC) <u>AWC- 1</u>	Status: Y⊠ N⊡ U[
cation: Bldg. <u>AUX</u> Floor El. <u>989</u> Room, Area² <u>19, Near F</u>	T-1368; FW-6; FW-171
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N∏ U∏ N/A∏
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Spray Shields attached to piping to block any spray.	Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Possibly combustible rags in area (Picture Shown). SO-G-91 allows for small amount of combustibles in work area. 	Y⊠ N⊡ U⊡ N/A⊡
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Scaffold in area has seismic design tag (Picture Shown). Scaffold # = 2011-441	Y⊠ N∏ U∏ N/A∏

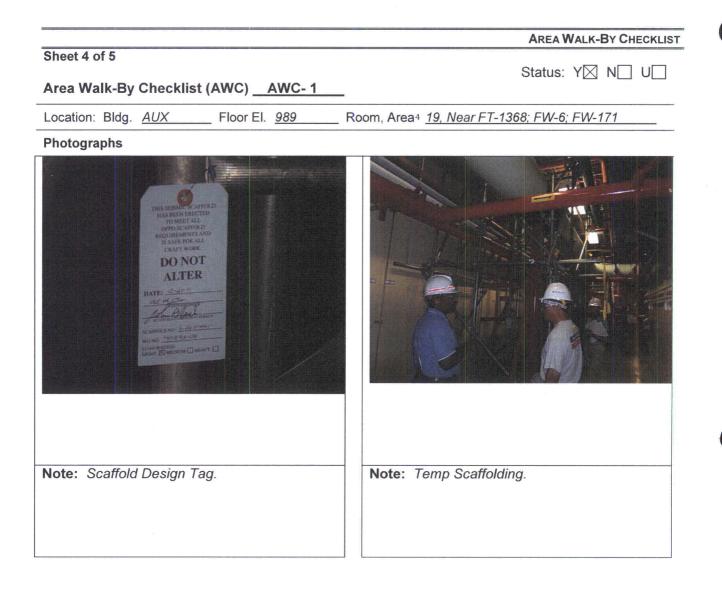
1

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 3 OF 128

heet 3 of 5	
Area Walk-By Checklist (AWC) <u>AWC- 1</u>	Status: Y⊠ N⊟ U⊑
ocation: Bldg. <u>AUX</u> Floor El. <u>989</u> Room, Area₃ <u>19, Near I</u>	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
comments (Additional pages may be added as necessary)	
Housekeeping items for area under maintenance per SO-G-91.	
ivaluated by: John Kao	Date: <u>8/13/2012</u>
Alex Smerch the los	8/13/2012
Alex Smerch *	

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 4 OF 128



⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 5 OF 128

AREA WALK-BY CHECKLIST Sheet 5 of 5 Status: YX N U Area Walk-By Checklist (AWC) _ AWC-1 Room, Areas 19, Near FT-1368; FW-6; FW-171 Location: Bldg. AUX Floor El. 989 MAINTENANCE WORK AREA 353792.07 Ken Dwork 9-1-12 Note: Roped Off Maintenance Area Note: Loose and combustible equipment.

⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 6 OF 128

١

2+1,000000- Norther Control (NGP)	AREA WALK-BY CHECKLIST
Sheet 1 of 5	AREA WALK-DI OILORLIGI
	Status: YX N U
Area Walk-By Checklist (AWC) <u>AWC- 2</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>1007</u> R	oom, Area¹ <u>Misl Room 63, Near YCV-871H-20; YCV-</u> <u>871H</u>
Instructions for Completing Checklist	
This checklist may be used to document the results of space below each of the following questions may be us Additional space is provided at the end of this checklist	sed to record the results of judgments and findings.
 Does anchorage of equipment in the area appe potentially adverse seismic conditions (if visible opening cabinets)? 	
2. Does anchorage of equipment in the area appe significant degraded conditions?	ar to be free of Y⊠ N⊡ U⊡ N/A⊡
 Based on a visual inspection from the floor, do the raceways and HVAC ducting appear to be free seismic conditions (e.g., condition of supports is conditions of cable trays appear to be inside activation. 	of potentially adverse adequate and fill

.

.

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 7 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 2</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area² <u>Misl Room (</u> <u>871H</u>	63, Near YCV-871H-20, YCV-
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N⊡ U⊡ N/A⊡
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Broom improperty supported by piping and conduit lines (see picture). CR 2012-10195 initiated. 	Y□ N⊠ U□ N/A□

.

,

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 8 OF 128

	AREA WALK-BY CHECKL
Sheet 3 of 5	Status: Y⊠ N⊡ U⊡
rea Walk-By Checklist (AWC) <u>AWC- 2</u>	
ocation: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area₃ <u>Misl Room</u> <u>871H</u>	<u>n 63, Near YCV-871H-20, YCV-</u>
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
omments (Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: 8/14/2012

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 9 OF 128

Status: Y⊠ N⊡ U⊡
Room, Area4 <u><i>Misl Room 63, Near YCV-871H-20, YCV-</i></u> 871H
a name name to the state of the
Note: Broom being Supported by Pipe.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 10 OF 128

AREA WALK-BY CHECKLIST Sheet 5 of 5 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 2 Location: Bldg. AUX Floor El. 1007' Room, Areas Misl Room 63, Near YCV-871H-20, YCV-<u>871H</u> Note: Broom supported by conduit. Note:

⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 11 OF 128

	AREA WALK-BY CHECKL
Sheet 1 of 5	Status: Y N U
Area Walk-By Checklist (AWC) <u>AWC- 3</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area¹ <u>19, Near F</u>	FW10; FW172; FCV-1369
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the result Additional space is provided at the end of this checklist for documenting other	s of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

•

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

,

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 12 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 3</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AUX</u> Floor El. <u>989</u> Room, Area ² <u>19, Near F</u>	W10; FW172; FCV-1369
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Scaffold is constructed very close to piping and is only supported at 1 point. Could undergo rotation about support producing larger displacements far from anchor point during seismic event. CR 2012-12399 has been initiated.	Y□ N⊠ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Oily looking substance was found in base of FW-10 Pump. CR 2012- 12400 has been initiated. 	Y□ N⊠ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏

٨

.

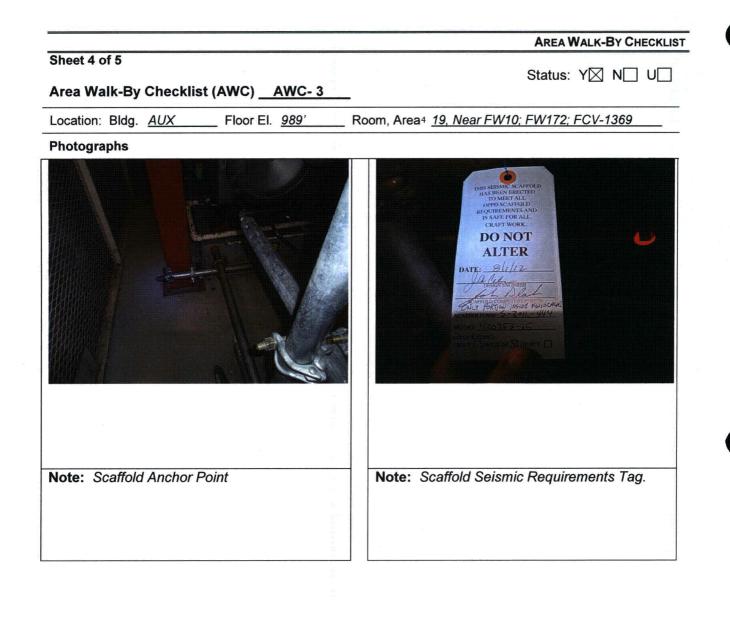
² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 13 OF 128

						REA WALK-BY	
Sheet 3 of 5 Area Walk-By	Checklist ((AWC) <u>AWC</u>	2-3		Sta	atus: Y🛛 N[] U[]
Location: Bldg.	AUX	Floor El. <u>989</u>	, Room,	Area₃ <u>19, Near</u>	FW10; FW	/172; FCV-136	9
		and found no oth afety functions o		litions that could t in the area?	Y 🛛 I	N U U	
							•
Comments (Add	itional pages	s may be added	as necessary)			<u></u>	
<u>Comments (</u> Add	itional pages	s may be added	as necessary)				
<u>Comments (</u> Add	itional page:	s may be added	as necessary)				
<u>Comments (</u> Add				· .	Date:	8/13/2012	

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 14 OF 128



⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 15 OF 128

	AREA WALK-BY CHECKLIS
st (AWC) <u>AWC- 3</u>	Status: Y⊠ N⊡ U⊡
Floor El. <u>989'</u>	Room, Area₅ <u>19, Near FW10; FW172; FCV-1369</u>
	Note:
	st (AWC) <u>AWC-3</u> Floor El. <u>989'</u>

⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

PAGE 16 OF 128 **AREA WALK-BY CHECKLIST** Sheet 1 of 4 Status: YX N U Area Walk-By Checklist (AWC) AWC- 4 Location: Bldg. AUX Floor El. 1007' Room, Area1 64 and 65, Near FO-17-2; FO-4A-2; SA-193; DG-2; FO-2-2; LO-32-2 Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?

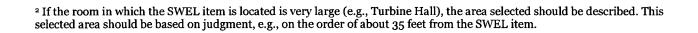
EA12-021, Rev. 0 ATTACHMENT 11.3

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 17 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 4</u>	Status: Y⊠ N∏ U∏
	d 65, Near FO-17-2; FO-4A-2; SA- DG-2; FO-2-2; LO-32-2
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling t and lighting)? There is a 2" Fire Protection line near fuel oil tank that has a ½" gas between it and adjacent piping at one point. There was a robust (relative to line size and support length) lateral and vertical strut as point so it was determined that this was not a potentially adverse seismic condition.	tiles ap
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, shielding)? There is a moveable tool storage bin that does not have anything prohibiting wheel movement and it could potentially roll into adjace lines attached to a nearby wall connected to valve #'s (IA-3081, IA-3080). See photo. CR 2012-10368 has been initiated.	ənt

٨



•

,

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 18 OF 128

•		AREA WALK-BY CHECKLIS
Sheet 3 of 4 Area Walk-By Checklist (AWC)	AWC- 4	Status: Y⊠ N□ U□
ocation: Bldg. <u>AUX</u> Floor El		Near FO-17-2; FO-4A-2; SA- FO-2-2; LO-32-2
	no other seismic conditions that could ions of the equipment in the area?	Y N U
comments (Additional pages may be a	added as necessary)	
valuated by: John Kao		Date: <u>8/15/2012</u>
Alex Smerch Mer		<u> </u>

.

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 19 OF 128

2			AREA WALK-BY CHECKLIS
Sheet 4 of 4 Area Walk-By	Checklist (AWC)	AWC-4	Status: Y N U
Location: Bldg.	AUX Floor B	El. <u>1007'</u>	_ Room, Area4 <u>64 and 65, Near FO-17-2; FO-4A-2; SA-</u> <u>193; DG-2; FO-2-2; LO-32-2</u>
Photographs		in - mannar - milliochailtean an ann an 1995 - a	
Note: Unlocke	d storage cart when	el.	Note: Cart near line.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 20 OF 128

	AREA WALK-BY CHECKLI
neet 1 of 3	Status: Y⊠ N□ U□
rea Walk-By Checklist (AWC) <u>AWC- 5</u>	
ocation: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area ¹ <u>54, Near E</u>	E-8A
structions for Completing Checklist	
his checklist may be used to document the results of the Area Walk-By near of pace below each of the following questions may be used to record the results dditional space is provided at the end of this checklist for documenting other of	of judgments and findings.
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Y⊠ N∏ U∏ N/A∏
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□
	Ň
· ·	
	,

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 21 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 5</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area ² <u>54, Near E</u>	E-8A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	YX N UNA
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
·	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

	ATTACHMENT 11.3 PAGE 22 OF 128
. •	AREA WALK-BY CHECKLIST
Sheet 3 of 3 Area Walk-By Checklist (AWC) <u>AWC- 5</u>	Status: Y N U
Location: Bldg. <u>AUX</u> Floor El. <u>1011</u> , Room, Area ₃ <u>54, Near E</u>	EE-8A
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
,	
<u>Comments (</u> Additional pages may be added as necessary)	
	· · ·
Evaluated by: John Kao	Date: <u>8/15/2012</u>
Alex Smerch the	

EA12-021, Rev. 0

÷

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 23 OF 128

<u> </u>						AREA	VALK-BY CHECKL
Sheet 1 of 4 Area Walk-By	Checklist	(AWC)	AWC-6			Status:	Y⊠ N∏ U[
Location: Bldg.	AUX	Floor El.	1011'	Room, Are	a¹ <u>56, Nea</u> ı	r 1B4A; 1B4B; 1E	<u> 34C; 1A4-11; 1A</u>
Instructions fo	r Completin	a Checklist				· <u>-</u> .	
This checklist m	ay be used t ch of the foll	o document	the result ions may t	be used to rec	ord the resu	ar one or more S Ilts of judgments er comments.	WEL items. The and findings.
potentia				appear to be f sible without r		Y⊠ N□	U N/A
	chorage of e nt degraded		the area a	appear to be f	ree of	Y⊠N□	U[] N/A[]
raceway seismic	s and HVAC conditions (e	ducting app .g., condition	ear to be the suppo	do the cable iree of potent rts is adequa e acceptable	ally adverse te and fill		U N/A

`

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 24 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 6</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room, Area ² <u>56, Near 1B4</u>	4A; 1B4B; 1B4C; 1A4-11; 1A4
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? There are no lightbulb coverings for the lighting fixtures in the area which could create a potentially adverse seismic condition. CR 2012-10423 has been initiated.	Y
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Wooden blocks were discovered inside the cabinet. This was justified due to the Danger out of service tag on the equipment associated with	Y⊠ N□ U□ N/A□
 SO-G20A, and Procedure OI-EE-1A Att 1 Step 5B, Att 6 Step 6B, Att 8 Step 6B which shows that this transient material will be removed before equipment is energized and brought to service. 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of 	Y□ N⊠ U□ N/A□
There was a wheeled cart discovered in the area without anything restraining lateral motion that could contact the cabinet during a seismic event. CR 2012-10425 has been initiated.	

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 25 OF 128

					·	AREA	WALK-B	Y CHECKL
Sheet 3 of 4 Area Walk-By (Checklist ((AWC)	AWC-6			Status	Y⊠ I	
Location: Bldg.	AUX	_ Floor El.	<u>1011'</u>	Room, Area³ <u>56,</u>	Near 1B4A	; 1B4B; 1	B4C; 1A	4-11; 1A
				eismic conditions that equipment in the are		r⊠ n⊡	U	
•								
						·		
		· · · · · · · · · · · · · · · · · · ·						
<u>Comments (</u> Add	tional page	s may be a	added as n	ecessary)				
<u>Comments (</u> Add	tional page	s may be a	added as n	ecessary)				,
<u>Comments (</u> Add	tional page	s may be a	added as n	ecessary)				
<u>Comments (</u> Add	tional page	s may be a	added as n	ecessary)				
<u>Comments (</u> Add Evaluated by: <u>Ale</u>		· .		ecessary)	[Date: <u>8/1</u>	6/2012	

•

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 26 OF 128

	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC- 6</u>	Status: Y N U
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u>	Room, Area4 <u>56, Near 1B4A; 1B4B; 1B4C; 1A4-11; 1A4</u>
Photographs	
Note: Mobile storage cart.	Note: Light fixture without light bulb enclosure.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 27 OF 128

<i>,</i>	× '
	AREA WALK-BY CHECKL
Sheet 1 of 4	Status: YX N U
Area Walk-By Checklist (AWC) <u>AWC- 7</u>	
	<u>ear 1B3A; 1B3B; 1B3C; 1A3;</u> B-3C; EE-8F; EE-8C; EE-8H
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	s of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N∏ U∏ N/A∏
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 28 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 7</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. Aux. Floor El. <u>1011'</u> Room, Area <u>56 East, Nea</u> <u>EE-4S; T1B-</u>	ar 1B3A; 1B3B; 1B3C; 1A3; 3C; EE-8F; EE-8C; EE-8H
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
There are fluorescent light bulbs in hallways near equipment that are not caged which could cause a potentially adverse seismic condition with nearby equipment. CR 2012-10423 has been initiated.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N∏ U∏ N/A∏
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□

•.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 29 OF 128

·

1					ALK-BY CHECK
Sheet 3 of 4	<u></u>			AREA	ALK-DY CHECK
				Status:	
Area Walk-By Checklist (AWC)	AWC-7	-			
ocation: Bldg. <u>Aux.</u> Floor	El. <u>1011'</u>	Room, Area	<u>56 East, Near 1</u> EE-4S; T1B-3C		
 Have you looked for and foun adversely affect the safety fur 					
					,
,					
Comments (Additional pages may be	e added as neo	essarv)			
· · · ·					
Gohn K	100				
Evaluated by: John Kao				ate: 8/16/	2012
-	· · · · · · · · · · · · · · · · · · ·				
Alex Smerch Mix	lan	-		<u>8/</u> 16/	2012

.

.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 30 OF 128

	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC- 7</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>Aux.</u> Floor El. <u>1011'</u>	Room, Area <u>56 East, Near 1B3A; 1B3B; 1B3C; 1A3;</u> EE-4S; T1B-3C; EE-8F; EE-8C; EE-8H
Photographs	
Note:	Note: Fluorescent light bulbs with no cage.
۵ ۰ ۵ ۲	

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 31 OF 128

.

						AREA V	VALK-BY CHECKL
Sheet 1 of 4 Area Walk-By	Checklist		AWC- 8			Status:	Y⊠ N∏ U[
_ocation: Bldg.		Floor El.	•	– Room, Areaı	57, Near NI-00	1-DA1	
nstructions for							
This checklist m space below ea	ay be used t ch of the folk	- o documen wing quest	t the results tions may be	of the Area Wa e used to record dist for docume	the results of j	udgments	WEL items. The and findings.
potential				opear to be free ble without nec		YX N	UN/A
	chorage of each t degraded o			opear to be free	of	Y⊠N⊡	U[] N/A[]
raceways seismic o	s and HVAC conditions (e.	ducting app g., conditio	pear to be fr n of suppor	do the cable/cor ee of potentially s is adequate a acceptable limi	adverse nd fill	Y⊠N⊡	U N/A
	·		·				
			¢				

•

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

EA12-021, Rev. 0 ATTACHMENT 11.3, PAGE 32 OF 128

						AREA V	VALK-BY CHECK
Sheet 2 of 4 Area Walk-By	Checklist	(AWC)	AWC-8	_		Status:	Y⊠ N⊡ U[
ocation: Bldg.	Aux.	_ Floor El.	<u>1011'</u>	Room, Area	57, Near NI-0	01-DA1	
	iteractions w			ally adverse se ne area (e.g., c		Y NX	
not cage	d which cou	ld cause a p	otentially ac	near equipmei lverse seismic been initiated	condition		
				ally adverse so y in the area?	eismic	Y⊠ N□	
6. Does it a interactio	ppear that those that the theory of the theo	ne area is fro d cause a fin	ee of potenti re in the area	ally adverse se a?	eismic	Y⊠N⊡	U N/A
interactio	ons associate equipment, a	ed with hous	sekeeping pr	ally adverse se actices, storag ns (e.g., scaffe	e of	Y⊠ N⊡ 1	U 🗍 N/A 🗌

.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 33 OF 128

	Α	REA W	/ALK-I	Вү Сн	ECKLI
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 8</u>	Sta	atus:	Y⊠	N	υ
Location: Bldg. <u>Aux.</u> Floor El. <u>1011'</u> Room, Area <u>57, Near NI-</u>	001-DA	1			
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ ا	N	Γ		
		•			
Evaluated by: <u>Alex Smerch Mire Lange</u>	_ Date:	<u>8/16</u> /	/2012		
John Kao	-	<u>8/16</u>	/2012		
,					

PAGE 34 OF 128 AREA WALK-BY CHECKLIST Sheet 4 of 4 Status: YX N U Area Walk-By Checklist (AWC) AWC- 8 Location: Bldg. Aux. Floor El. <u>1011'</u> Room, Area 57, Near NI-001-DA1 Photographs Note: Fluorescent light bulbs with no cage. Note:

EA12-021, Rev. 0 ATTACHMENT 11.3

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 35 OF 128

potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of Y significant degraded conditions?		ALK-BY CHECKLIS
Location: Bldg. <u>Aux.</u> Floor El. <u>1011'</u> Room, Area: <u>57, Near MCC-3</u> Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one of space below each of the following questions may be used to record the results of juc Additional space is provided at the end of this checklist for documenting other commod. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y[2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y[3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic condition of supports is adequate and fill Y[Status: Y	
 Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or space below each of the following questions may be used to record the results of jud Additional space is provided at the end of this checklist for documenting other comment. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic condition of supports is adequate and fill		
 This checklist may be used to document the results of the Area Walk-By near one of space below each of the following questions may be used to record the results of juc Additional space is provided at the end of this checklist for documenting other common 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic condition of supports is adequate and fill 	BB1-C2R	
 space below each of the following questions may be used to record the results of juc Additional space is provided at the end of this checklist for documenting other common terms of the potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic condition of supports is adequate and fill 		
 potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill 	dgments ar	EL items. The nd findings.
 significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit Y[raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill 	⊠ N∏ U	□ N/A□
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill	N N	□ N/A□
	⊠ N⊟ U[□ N/A□

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 36 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 9</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>Aux.</u> Floor El. <u>1011'</u> Room, Area <u>57, Near MC</u>	C-3B1-C2R
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
There are fluorescent light bulbs in hallways near equipment that are not caged which could cause a potentially adverse seismic condition with nearby equipment. CR 2012-10423 has been initiated.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic	
interactions that could cause a fire in the area?	
7. Does it appear that the area is free of potentially adverse seismic	Y⊠ N□ U□ N/A□
interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	

s,

.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 37 OF 128

			AREA WALK-BY CHECKLIS
heet 3 of 4			Status: YX N U
Area Walk-By Checklis	st (AWC) <u>AWC- 9</u>		· · · · · · · · · · · · · · · · · · ·
ocation: Bldg. <u>Aux.</u>	Floor El. <u>1011'</u>	Room, Area <u>57, Near</u>	MCC-3B1-C2R
	or and found no other se e safety functions of the	ismic conditions that could equipment in the area?	YX N U
. .			
omments (Additional pa	ges may be added as no	ecessary)	
<u>Comments (</u> Additional pa	ges may be added as no	ecessary)	
Comments (Additional parts (Additional parts)		ecessary)	Date: <u>8/16/2012</u>

٠

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 38 OF 128

Shee4 4 of 4	AREA WALK-BY CHECK
Sheet 4 of 4	Status: Y⊠ N⊡ U[
Area Walk-By Checklist (AWC) <u>AWC- 9</u>	
Location: Bldg. <u>Aux.</u> Floor El. <u>1011'</u>	Room, Area 57, Near MCC-3B1-C2R
Photographs	
Note:	Note: Fluorescent light bulbs with no cage.
x	

	ATTACHMENT 11.3 PAGE 39 OF 128
	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC- 10</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. Intake Floor El. <u>1007'-6"</u> Room, Area ¹ Grade Floor El. <u>1007'-6"</u>	or, Near FP-1B
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N⊟ U⊟ N/A⊟
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

•

EA12-021, Rev. 0

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 40 OF 128

						A	REA WA	LK-BY CHEC	KLIS
Sheet 2 of 4 Area Walk-By	Checklist	(AWC) <u>A</u>	WC- 10	_	-	St	atus: Y	⊠ N∏ U	
Location: Bldg.	<u>Intake</u> Structure	Floor El. <u>a</u>	1007'-6"	_ Room, Ar	ea² <u>Grade F</u>	loor, Near I	-P-1B		
	appear that th hteractions wi ting)?						N[] U[_ N/A	
5. Does it a interaction	appear that th ons that could	e area is free I cause flood	e of poten ing or spr	tially advers ay in the are	e seismic ea?	Y⊠	N[] U[] N/A[]	
6. Does it a interactio	appear that th ons that could	e area is free I cause a fire	e of poten in the are	tially advers	e seismic	Υ⊠	N [] U[] N/A[]	
		·						÷	
interaction portable shielding <i>Pieces c</i>	appear that th ons associate equipment, a)? of transient ma area (See pho	d with house ind temporar aterial (possil	keeping p y installati bly hose o	oractices, sto ions (e.g., so connectors) i	orage of caffolding, lea <i>left in non</i> -	•	N⊠ U[] N/A[]	

•

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 41 OF 128

	AREA WALK-BY CHECKLIS
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 10</u>	Status: Y⊠ N⊡ U⊡
_ocation: Bldg. <u>Intake</u> Floor El. <u>1007'-6"</u> Room, Area₃ <u>Grade Floor</u> <u>Structure</u>	r, Near FP-1B
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
omments (Additional pages may be added as necessary)	
valuated by: John Kao	_ Date: <u>8/17/2012</u>
Alex Smerch Mix land	8/17/2012

,

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 42 OF 128

							AREA V	VALK-	Вү Сне	CKLIS
Sheet 4 of 4 Area Walk-By	Checklist (AWC)	AWC- 11				Status:	Υ⊠	N	U
Location: Bldg.	<u>Intake</u> Structure	Floor El.	<u>1007'-6"</u>	Room,	Area ⁴	Grade Floor,	Near FP-1B			
Photographs										
Note: Piece of storage area.	f transient m	aterial let	ft in non-	No	ote:					

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 43 OF 128

	AREA WALK-BY CHECKLI
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC- 11</u>	Status: Y⊠ N∏ U∏
_ocation: Bldg. Intake Floor El. <u>993'-6"</u> Room, Area ¹ North	Basement Room, Near AC-12B; AC- M; AC-10D
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By space below each of the following questions may be used to record the re Additional space is provided at the end of this checklist for documenting of the space space is provided at the end of this checklist for documenting of the space space is provided at the end of the space	esults of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessari opening cabinets)? 	Y⊠ N∏ U∏ N/A∏ Iy
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N∏ U∏ N/A∏
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adve seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	

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

						AREA	VALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By	Checklist	(AWC)	AWC- 11			Status:	Y⊠ N□ U□
Location: Bldg.	<u>Intake</u> Structure	Floor El.	<u>993'-6"</u>	Room, Area	North Baser 12B-M; AC-		Near AC-12B; AC-
	iteractions wi			ntially adverse and the area (e.g.,		Y⊠ N□	U[] N/A[]
				ntially adverse s bray in the area		Y⊠ N□	
	appear that th ons that could			ntially adverse s rea?	seismic	Y⊠ N□	U[] N/A[]
interactic portable shielding <i>Portable</i>	ons associate equipment, a l)? light hung ar lectrical issue	d with hous and tempora ad not secur	ekeeping iry installa red over a	ntially adverse s practices, stora ations (e.g., scat on open sump po 2012-10628 ha	ige of folding, lead <i>ump could</i>	Y∏ N⊠	U[] N/A[]

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 45 OF 128

,

.

	AREA WALK-BY CHECKLIS
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC- 11</u>	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>Intake</u> Floor El. <u>993'-6"</u> Room, Area <u>North Base</u> <u>Structure</u>	ment Room, Near AC-12B; AC- -10D
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YN N U
comments (Additional pages may be added as necessary)	
	ı
	Date: 8/17/2012
Evaluated by: John Kao	

ı

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 46 OF 128

AREA WALK-BY CHECKLIST Sheet 4 of 5 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 11 Location: Bldg. Intake Floor El. <u>993'-6"</u> Room, Area North Basement Room, Near AC-12B; AC-Structure 12B-M; AC-10D Photographs Note: Blue extension cord and portable light Note: Loose fitting on cord. loosely hung above sump pit.

ATTACHMENT 11.3 PAGE 47 OF 128 AREA WALK-BY CHECKLIST Sheet 5 of 5 Status: YX N U Area Walk-By Checklist (AWC) AWC- 11 Floor El. <u>993'-6"</u> Room, Area <u>North Basement Room, Near AC-12B; AC-</u> Location: Bldg. Intake Structure 12B-M; AC-10D Note: Device plugged in hanging over water. Note:

EA12-021, Rev. 0

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 48 OF 128

	AREA WALK-BY CHECKLIS
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC- 12</u>	Status: Y⊠ N∏ U∏
	<u>ement Room, Near AC-10B;</u> A; PI-2855-1
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for documenting other of the space is provided at the end of this checklist for documenting other of the space is provided at the end of the space space.	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	YX N UNA
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N∏ U∏ N/A∏
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□
· · · · ·	
·	

.

.

1

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 49 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 12</u>	Status: Y⊠ N⊡ U⊡
	ement Room, Near AC-10B; \; PI-2855-1
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Light bent around equipment and hung very close to small line creating	
seismic spatial interaction. CR 2012-10631 has been initiated.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N∏ U∏ N/A∏
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Wooden stairs possibly extra transient fire load to building. Licensing Basis Evaluation is required. 	Y□ N⊠ U□ N/A□

,

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. ()
ATTACHMENT 11.3	3
PAGE 50 OF 128	3

	AREA WALK-BY CHECK
Sheet 3 of 4	Status: YX N U
Area Walk-By Checklist (AWC) <u>AWC- 12</u>	
	<u>ement Room, Near AC-10B;</u> A; PI-2855-1
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
Comments (Additional pages may be added as necessary)	
Comments (Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary)	
	Date: 8/17/2012
	_ Date: <u>8/17/2012</u>
Comments (Additional pages may be added as necessary) Evaluated by: <u>Alex Smerch Mur Lange</u> John Kao John Kao	Date: <u>8/17/2012</u> 8/17/2012

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

.

PAGE 51 OF 128 AREA WALK-BY CHECKLIST Sheet 4 of 4 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 12____ Floor El. <u>994'</u> Room, Area4 Middle Basement Room, Near AC-10B; Location: Bldg. Intake Structure HCV-2875A; PI-2855-1 Photographs Note: Wooden stairs. Note: Seismic Spatial interaction between light and small piping.

EA12-021, Rev. 0 ATTACHMENT 11.3

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

В <u>Y Снески</u> N [] U [/ <i>CV-2874/</i> eems. The ndings.
N[] U[ICV-2874/
ICV-2874/
ems. The
N/A
¶/A□
V/A[]

EA12-021, Rev. 0 ATTACHMENT 11.3

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 53 OF 128

,

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 13</u>	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>Intake</u> Floor El. <u>994'</u> Room, Area <u>So</u>	uth Basement Room, Near HCV-2874A
4. Does it appear that the area is free of potentially adverse seism spatial interactions with other equipment in the area (e.g., ceilin and lighting)?	
5. Does it appear that the area is free of potentially adverse seism interactions that could cause flooding or spray in the area?	nic Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seism interactions that could cause a fire in the area?	nic Y⊠ N⊡ U⊡ N/A⊡
7. Does it appear that the area is free of potentially adverse seism interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffoldir shielding)? The entrance to the south basement room has wooden staircas could pose a fire hazard. Licensing basis evaluation required.	f ng, lead

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 54 OF 128

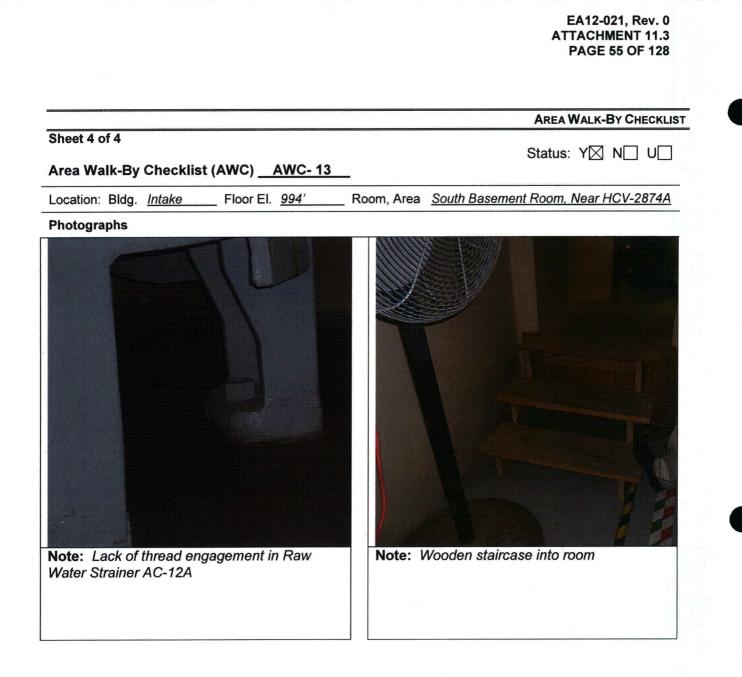
.

N

Sheet 3 of 4 Status: Y N U Area Walk-By Checklist (AWC) <u>AWC-13</u> Location: Bldg. Intake Floor EI. 994 Room, Area South Basement Room, Near HCV-2874 8. Have you looked for and found no other seismic conditions that could Y N UU adversely affect the safety functions of the equipment in the area? Comments (Additional pages may be added as necessary) Evaluated by: John Kao John Kao Evaluated by: John Kao Marka Marka 8/17/2012	Status: Y N Area Walk-By Checklist (AWC)AWC- 13	
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y⊠ N□ U□ Comments (Additional pages may be added as necessary) Evaluated by: John Kao	8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y⊠ N□ U□ Comments (Additional pages may be added as necessary) Evaluated by: John Kao Date: 8/17/2012	U[
adversely affect the safety functions of the equipment in the area?	adversely affect the safety functions of the equipment in the area?	V-2874
Evaluated by: John Kao Date: <u>8/17/2012</u>	Evaluated by: John Kao Date: 8/17/2012	
Evaluated by: <u>John Kao (J</u> Date: <u>8/17/2012</u> Date: <u>8/17/2012</u>	Evaluated by: John Kao Q Date: 8/17/2012	
Evaluated by: <u>John Kao (J</u> Date: <u>8/17/2012</u> Date: <u>8/17/2012</u>	Evaluated by: John Kao Q Date: 8/17/2012	
Alex Smerch Min land 8/17/2012	Alex Smerch Mix land 8/17/2012	

·

. '



EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 56 OF 128

	AREA WALK-BY CHECKL
Sheet 1 of 4	Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC) <u>AWC- 14</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>1036'</u> Room, Area¹ <u>77, Near D</u> 40A; Al-41A	<u>C-BUS-AI-41A; I-BUS-A; AI-</u> A; RM-051
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	YX N UN N/A
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N⊡ U⊡ N/A⊡
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N∏ U∏ N/A∏
	· · ·

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 57 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 14</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AUX</u> Floor El. <u>1036'</u> Room, Area ² <u>77, Near D</u> 40A; Al-41,	DC- <u>BUS-AI-41A; I-BUS-A; AI-</u> A; RM-051
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable aggingment and temporary installations (a.g., scaffolding, lead) 	Y□ N⊠ U□ N/A□
portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? There is a mobile white board that does not have any locking mechanism on its wheels and could impact safety related components during a seismic event. There is also a water cooler with a relatively high center of gravity and no restraint. It could contact safety related equipment in a seismic event. CR 2012-10684 has been initiated.	

-

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 58 OF 128

			AREA WALK-BY CHECK
Sheet 3 of 4 Area Walk-By Checklist (/	AWC) <u>AWC- 14</u>		Status: Y⊠ N∏ U[
Location: Bldg. <u>AUX</u>	Floor El. <u>1036'</u>		DC-BUS-AI-41A; I-BUS-A; AI- 1A; RM-051
		ismic conditions that could equipment in the area?	YX NI UI
<u>Comments (</u> Additional pages	may be added as ne	ecessary)	
<u>Comments (</u> Additional pages	may be added as ne	ecessary)	
		ecessary)	
Evaluated by: <u>John Kao</u>	may be added as no ~ Kao	ecessary)	Date: <u>8/18/2012</u>

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 59 OF 128

	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC- 14</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u> Floor El. <u>1036'</u>	Room, Area4 <u>77, Near DC-BUS-AI-41A; I-BUS-A; AI-</u> 40A; AI-41A; RM-051
Photographs	
Note:Mobile white board with no wheel restraint.	Note: Top heavy water cooler near SR equipment.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 60 OF 128

	AREA WALK-BY CHECKL
iheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC- 15</u>	Status: Y⊠ N∏ U∏
ocation: Bldg. <u>AUX</u> Floor El. <u>1036</u> ⁷ Room, Area ¹ <u>72, Near T</u>	CV-893; VA-46A
nstructions for Completing Checklist his checklist may be used to document the results of the Area Walk-By near pace below each of the following questions may be used to record the results additional space is provided at the end of this checklist for documenting other	s of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
 Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill 	Y⊠ N⊡ U⊡ N/A⊡
conditions of cable trays appear to be inside acceptable limits)?	

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 61 OF 128

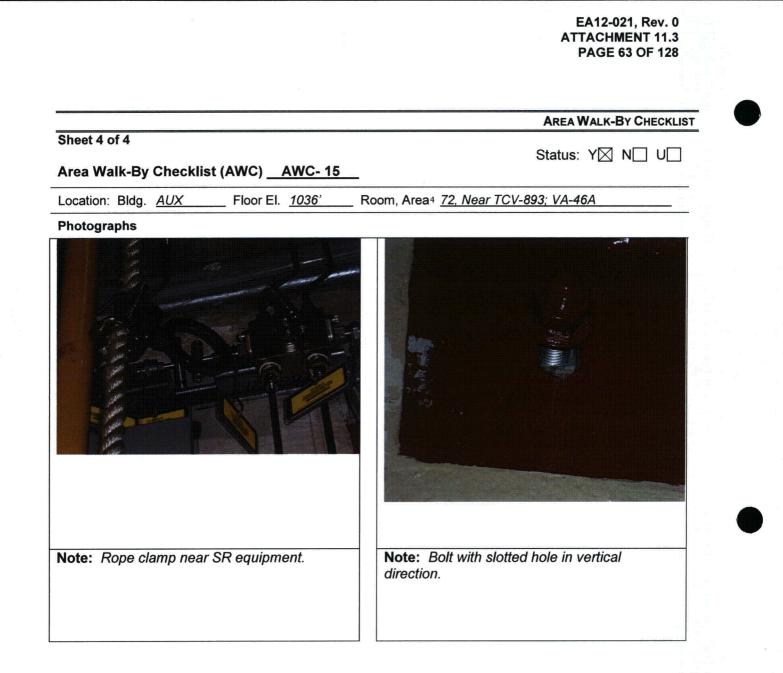
	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 15</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AUX</u> Floor El. <u>1036</u> ' Room, Area ² <u>72, Near TC</u>	V-893; VA-46A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
Hanging rope with metal clamp on it could impact manifold valve for FT- 6683 and FT-6684 (see attached photos). CR 2012-10672 has been initiated.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0
ATTACHMENT 11.3
PAGE 62 OF 128

	AF	REA WALK	BY CHE
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 15</u>	Sta	itus: Y⊠	N∏ (
Location: Bldg. <u>AUX</u> Floor El. <u>1036</u> ⁷ Room, Area₃ <u>72, Near T</u>	CV-893; N	/A-46A	
 Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? A beam was connected to a ~1" embed plate with slotted holes in the vertical direction, thus potentially putting the bolts in bending under gravity loads (see attached photos). CR 2012-10676 has been initiated. 	Y TY	N U	
<u>Comments (</u> Additional pages may be added as necessary)			
<u>Comments (</u> Additional pages may be added as necessary)			
<u>Comments (</u> Additional pages may be added as necessary)			
<u>Comments (</u> Additional pages may be added as necessary)			
Comments (Additional pages may be added as necessary) Evaluated by: <u>Alex Smerch Mar Jana</u>	Date:	, <u>8/21/201</u> ;	2

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 64 OF 128

.

01					<u> </u>	AREA	VALK-BY CHECKLI
Sheet 1 of 3 Area Walk-By	Checklist	(AWC) _/	AWC- 16			Status:	Y⊠ N∏ U∏
Location: Bldg.	AUX	_ Floor El.	<u>1036'</u>	_ Room, Area ¹	<u>81, Near HC</u> FW-19; FP-4		CV-1384; LT-1183 40; RW-262
Instructions for	Completin	g Checklist					
This checklist ma space below eac Additional space	ch of the follo	wing quest	ions may b	e used to recor	d the results o	of judgments	
potential				ppear to be free sible without neo		Y⊠ N□	U N/A
	chorage of each t degraded o		the area a	ppear to be free	e of	Y⊠ N□	U N/A
raceways seismic c	and HVAC	ducting app g., condition	ear to be f n of suppo	do the cable/co ree of potentiall rts is adequate a acceptable lim	y adverse and fill	Y⊠ N□	U[] N/A[]

•

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 65 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 16</u>	Status: Y⊠ N□ U□
	<u> 20-1107B; HCV-1384; LT-1183; 456; HCV-1040; RW-262</u>
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y N U U N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	YX NI UI N/AI
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□

,

`

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 66 OF 128

				A WALK-BY CHECK
Sheet 3 of 3 Area Walk-By Checklis	t (AWC) <u>AWC- ^</u>	16	Statu	s: Y⊠ N□ U[
Location: Bldg. <u>AUX</u>	Floor El. <u>1036'</u>	Room, Area³ <u>81, Near</u> <u>FW-19; F</u>		HCV-1384; LT-118 1040; RW-262
		seismic conditions that could he equipment in the area?	YX N] U[]
Comments (Additional pag	ges may be added as	s necessary)	<u> </u>	
Comments (Additional pag	ges may be added as	s necessary)		
<u>Comments (</u> Additional pa <u>c</u>	ges may be added as	s necessary)		
<u>Comments (</u> Additional pag	ges may be added as	s necessary)		<u></u>
Comments (Additional pag	ges may be added as	s necessary)		
Q	· · ·	s necessary)	Data: 8	(19/2012)
Evaluated by: <u>John Kao</u>	oh Kao		Date: <u>&</u>	/18/2012
Evaluated by: <u>John Kao</u>	· · ·			/18/2012 /18/2012
Evaluated by: <u>John Kao</u>	oh Kao			

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

.

•

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 67 OF 128

eet 1 of 4	
	Status: Y🛛 N🗌 U🗌
ea Walk-By Checklist (AWC) <u>AWC- 17</u>	
cation: Bldg. <u>AUX</u> Floor El. <u>989</u> Room, Area ¹ <u>6, near CH</u>	I-1A; HCV-474
structions for Completing Checklist	~
is checklist may be used to document the results of the Area Walk-By near ace below each of the following questions may be used to record the results ditional space is provided at the end of this checklist for documenting other	s of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
2. Does anchorage of equipment in the area appear to be free of	
significant degraded conditions?	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 68 OF 128

Sheet 2 of 4	
Area Walk-By Checklist (AWC) <u>AWC- 17</u>	Status: Y⊠ N∏ U∏
ocation: Bldg. <u>AUX</u> Floor El. <u>989</u> ⁷ Room, Area ² <u>6. near CH</u>	-1A; HCV-474
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Table with tools is not tied down and ladder is in red zone (possibly marked as unsuitable zone for equipment storage). CR 2012-12401 	Y□ N⊠ U□ N/A□

•

.

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 69 OF 128

.

•

	AREA WALK-BY CHECKLIS
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 17</u>	Status: Y⊠ N∏ U∏
_ocation: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area₃ <u>6, near CH</u> -	-1A; HCV-474
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
	· · · ·
comments (Additional pages may be added as necessary)	
· · ·	
Evaluated by: John Kao Alex Smerch Mir Jam	Date: <u>8/20/2012</u>

.

.

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 70 OF 128

AREA WALK-BY CHECKLIST Sheet 4 of 4 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 17____ Location: Bldg. AUX Floor El. 989' Room, Area4 6, near CH-1A; HCV-474 Photographs Note: Table with wrench on it. Note: Ladder laying in red zone.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0
ATTACHMENT 11.3
PAGE 71 OF 128

Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ¹ <u>5</u> , <u>Near AC-5</u> Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of	e or more SWEL items. The judgments and findings.
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other cor 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	e or more SWEL items. The judgments and findings. mments. Y N NU N/A
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other cor 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	e or more SWEL items. The judgments and findings. mments. Y N NU N/A
potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	judgments and findings. mments. Y⊠ N⊡ U⊡ N/A⊡
potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	
significant degraded conditions?	Y⊠ N⊡ U⊡ N/A⊡
3. Based on a visual inspection from the floor, do the cable/conduit	
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N⊡ U⊡ N/A⊡

•

١

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 72 OF 128

.

.

				LK-BY CHECKLIS
Sheet 2 of 4 Area Walk-By Checkl	ist (AWC) <u>AWC- 18</u>	<u>} ·</u>	Status: Y	N U
Location: Bldg. <u>AUX</u>	Floor El. <u>989</u> '	Room, Area² <u>5, Nea</u>	r AC-5A; AC-5B; HC	V-478; AC-8
	at the area is free of pote s with other equipment in	entially adverse seismic n the area (e.g., ceiling tile	Y□ N⊠ U[es] N/A[]
	t adjacent to Junction bo n issue. CR 2012-12402			
	at the area is free of pote ould cause flooding or s		Y⊠ N⊟ U[N/A
6. Does it appear tha interactions that c	at the area is free of pote ould cause a fire in the a	entially adverse seismic area?	Y⊠ N□ U[] N/A
interactions assoc	at the area is free of pote iated with housekeeping nt, and temporary installa		Y⊠ N⊡ U⊑ ead] N/A []

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

							A	TTACHN	21, Rev. 0 //ENT 11.3 73 OF 128
		······	· · · · · · · · · · · · · · · · · · ·				Area	WALK-E	
Sheet 3 of 4 Area Walk-By	Checklist	(AWC)	AWC- 18	8			Status	s: Y⊠	N U U
Location: Bldg.	AUX	_ Floor El.	<u>989'</u>	Room,	Area₃ <u>5, N</u>	lear AC-	5A; AC-5B,	<u>HCV-4</u>	78; AC-8
Block wal		safety function ed and appe n initiated.							
<u>Comments (</u> Add	itional page	es may be ad	ided as r	necessary)					

Evaluated by: John Kao	Date: 8/20/2012	
Alex Smerch Mie los	8/20/2012	_

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 74 OF 128

			AREA WALK-BY CHECKLIS
Sheet 4 of 4 Area Walk-By Cl	hecklist (AWC) <u>AWC- 18</u>		Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>A</u>	UX Floor El. <u>989'</u>	Room, Area4 <u>5</u>	Near AC-5A; AC-5B; HCV-478; AC-8
Photographs			
Note: Gap betwee block wall.	een steel angle L2x2 and	Note:	

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 75 OF 128

	AREA	VALK-BY CHECKLIS
Sheet 1 of 5	Status:	Y⊠ N∏ U∏
Area Walk-By Checklist (AWC) <u>AWC- 19</u>		
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ¹ <u>7, Near CH</u>	<u>193; LCV-21</u>	8-3; CH-172
nstructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other c	of judgments	
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N□	U[] N/A[]
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? There was pitting of concrete underneath pipe supports on the wall. CR 2012-10919 has been initiated. 	Y□ N⊠	U[] N/A[]
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□	U[] N/A[]

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

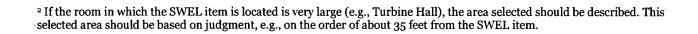
.

Ň

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 76 OF 128

1

۰ ۸	AREA WALK-BY CHECK
heet 2 of 5 rea Walk-By Checklist (AWC) <u>AWC- 19</u>	Status: Y⊠ N⊡ U[
ocation: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ²	7, Near CH-193; LCV-218-3; CH-172
4. Does it appear that the area is free of potentially adverse sei spatial interactions with other equipment in the area (e.g., ce and lighting)?	
5. Does it appear that the area is free of potentially adverse sei interactions that could cause flooding or spray in the area?	ismic Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse sei interactions that could cause a fire in the area? Electrical cords hanging loosely over area could cause a fire. 12403 has been initiated. 	
 Does it appear that the area is free of potentially adverse sein interactions associated with housekeeping practices, storage portable equipment, and temporary installations (e.g., scaffol shielding)? Cart with wheels loaded with wrenches and chemical cleaner and strike safety related equipment. CR 2012-10916 has be initiated. 	e of Iding, lead <i>rs could roll</i>



EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 77 OF 128

	AREA WALK-BY CHECKLIS
heet 3 of 5	Status: YX N U
rea Walk-By Checklist (AWC) <u>AWC- 19</u>	
ocation: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area₃ <u>7, Near CH</u>	-193; LCV-218-3; CH-172
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
omments (Additional pages may be added as necessary)	
valuated by: John Kao	Date: <u>8/20/2012</u>
Alex Smerch Mie lang	8/20/2012

,

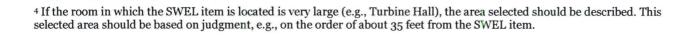
×.

.

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 78 OF 128

AREA WALK-BY CHECKLIST Sheet 4 of 5 Status: Y⊠ N□ U□ Area Walk-By Checklist (AWC) _AWC-19_ Location: Bldg. <u>AUX</u> Floor EI. <u>989'</u> Room, Area+ <u>7. Near CH-193; LCV-218-3; CH-172</u> Photographs Image: Status in the state of the





ATTACHMENT 11.3 PAGE 79 OF 128 AREA WALK-BY CHECKLIST Sheet 5 of 5 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 19 Room, Areas 7, Near CH-193; LCV-218-3; CH-172 Location: Bldg. AUX Floor El. 989' Note: Cart on wheels with tools and cleaners Note: on top of it.

EA12-021, Rev. 0

⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 80 OF 128

Sheet 1 of 5	AREA WALK-BY CHECKL
Area Walk-By Checklist (AWC) <u>AWC- 20</u>	Status: Y⊠ N⊟ U⊑
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ¹ <u>4, Near AC</u> <u>489B</u>	C-1A; HCV-484; HCV-497; HCV-
nstructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	of judgments and findings.
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□
· ,	· ·

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 81 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 20</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ² <u>4, Near AC-</u> <u>489B</u>	<u>1A; HCV-484; HCV-497; HCV-</u>
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y□ N⊠ U□ N/A□
Clearance between a pipe and a different vertical pipe support is less than 2" that could lead to possible seismic spatial interaction issues. CR 2012-12404 has been initiated.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Chain from trolley above AC-1A is not securely tied, thereby possibly capable of striking safety related equipment nearby. CR 2012-10917 has been initiated. 	Y□ N⊠ U□ N/A□

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

	EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 82 OF 128
	AREA WALK-BY CHECKLIS
Sheet 3 of 5	AREA WALK-BY CHECKLIS
	Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) <u>AWC- 20</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area³ <u>4, Near AC-</u> <u>489B</u>	<u>1A; HCV-484; HCV-497; HCV-</u>
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX NI UI
Comments (Additional pages may be added as necessary)	
John Kao	
Evaluated by: John Kao	_ Date: <u>8/20/2012</u>
Alex Smerch Mic Land	8/20/2012

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 83 OF 128

AREA WALK-BY CHECKLIST

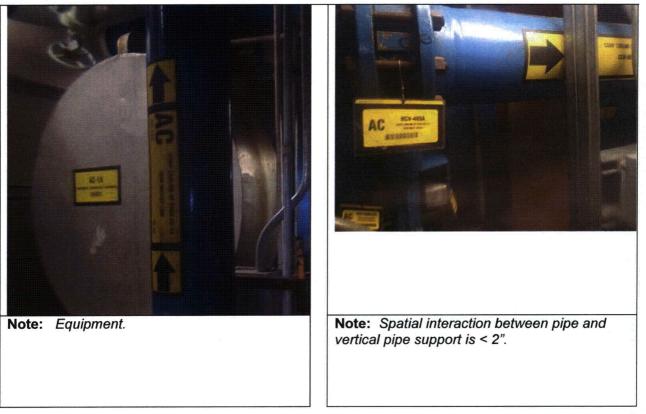
Sheet 4 of 5

Status: YX N U

Area Walk-By Checklist (AWC) AWC- 20

Location: Bldg. <u>AUX</u> Floor EI. <u>989'</u> Room, Area⁴ <u>4, Near AC-1A; HCV-484; HCV-497; HCV-489</u>

Photographs



⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 84 OF 128

Sheet 5 of 5

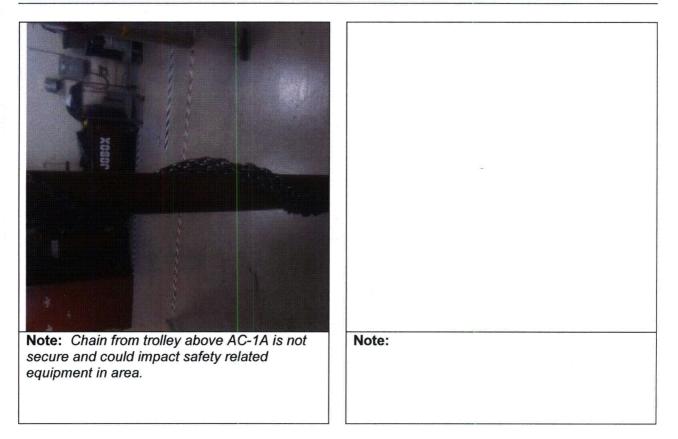
AREA WALK-BY CHECKLIST

Status: YX N U

Area Walk-By Checklist (AWC) _____AWC- 20

Location: Bldg. <u>AUX</u> Floor El. <u>989</u>' Room, Area⁵ <u>4, Near AC-1A; HCV-484; HCV-497; HCV-</u>

489B



⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 85 OF 128

	AREA WALK-BY CHECKLIS
heet 1 of 3	Status: Y🛛 N🗌 U
rea Walk-By Checklist (AWC) <u>AWC- 21</u>	
ocation: Bldg. <u>AUX</u> Floor El. <u>1025′</u> Room, Area¹ <u>69, Near A</u>	<u>C-3C; AC-3B; AC-100; AC-102</u>
structions for Completing Checklist his checklist may be used to document the results of the Area Walk-By near o bace below each of the following questions may be used to record the results dditional space is provided at the end of this checklist for documenting other o	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N⊡ U⊡ N/A⊡
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N⊡ U⊡ N/A⊡
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 86 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 21</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AUX</u> Floor El. <u>1025</u> Room, Area ² <u>69, Near A</u>	C-3C; AC-3B; AC-100; AC-102
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	YX NI UI N/AI
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏

• •

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 87 OF 128

			AREA WALK-BY CHECKLIS
heet 3 of 3	ist (AWC) <u>AWC- 2</u>	1	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>AUX</u>	Floor El. <u>1025'</u>	· · · · · · · · · · · · · · · · · · ·	C-3C; AC-3B; AC-100; AC-102
		eismic conditions that could e equipment in the area?	YX N U
omments (Additional p	ages may be added as	necessary)	
	al Koo		
valuated by: <u>John Kao</u>	John Kao		Date: <u>8/21/2012</u>
Alex Smer	on the loss		8/21/2012
<u>Alex Smer</u>	ch ^r chr		8/21/2012

.

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 88 OF 128 **AREA WALK-BY CHECKLIST** Sheet 1 of 4 Status: YX N U Area Walk-By Checklist (AWC) AWC- 22 Room, Area1 18, Near HCV-2877A; HCV-2880A; HCV-Location: Bldg. AUX Floor El. 989' 2893 Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 89 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 22</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ² <u>18, Near HO</u> <u>2893</u>	<u>CV-2877A; HCV-2880A; HCV-</u>
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N∏ U∏ N/A∏
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Chains from hoists near AC-1C and AC-1D are not tied down or secured, and could possibly swing into safety related equipment. CR 2012-11041 has been initiated. 	Y□ N⊠ U□ N/A□

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 90 OF 128

	AREA WALK-BY CHECK
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 22</u>	Status: Y⊠ N∏ U[
	CV-2877A; HCV-2880A; HCV-
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary)	
<u>Comments (</u> Additional pages may be added as necessary) Evaluated by: <u>John Kao</u>	Date: <u>8/21/2012</u>

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 91 OF 128

	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC- 22</u>	Status: Y N U
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u>	_ Room, Area₄ <u>18, Near HCV-2877A; HCV-2880A; HCV-</u> 2893
Photographs	
Note: Photo showing unsecured chains near AC-1C and AC-1D.	Note:

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 92 OF 128

	AREA WALK-BY CHECK
Sheet 1 of 3 Area Walk-By Checklist (AWC) <u>AWC- 23</u>	Status: Y🛛 N🗌 U
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, Area ¹ <u>15, Nea</u>	ar AC-AB
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By ne space below each of the following questions may be used to record the res Additional space is provided at the end of this checklist for documenting otl	ults of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	YX N UNA
1	, · · · ·
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
	•
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially advers seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N⊡ U⊡ N/A⊡ e

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 93 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 23</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>AUX</u> Floor El. <u>989</u> ′ Room, Area² <u>15, Near A</u>	C-4B
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N∏ U∏ N/A∏
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N∏ U∏ N/A∏

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 94 OF 128

Area Walk-By Checklist (AWC)AWC- 23 Location: Bldg. AUX Floor El. 989' Room, Area ³ 15, Near AC-4B 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N U U adversely affect the safety functions of the equipment in the area? Comments (Additional pages may be added as necessary)	Sheet 3 of 3				AREA WALK-BY CHECKL
 8. Have you looked for and found no other seismic conditions that could Y⊠ N□ U□ adversely affect the safety functions of the equipment in the area? <u>Comments</u> (Additional pages may be added as necessary) 	Area Walk-By	/ Checklis	st (AWC) <u>AWC- 2</u> 3	3	Status: Y⊠ N⊟ U⊑
adversely affect the safety functions of the equipment in the area?	Location: Bldg.	AUX	Floor El. <u>989'</u>	Room, Area₃ <u>15, Near A</u>	C-4B
Comments (Additional pages may be added as necessary)					
CA Kin					
Evaluated by: John Kao Date: 8/21/2012					
Alex Smerch Mue lange 8/21/2012		ohn Kao 8	oh Kao		Date: <u>8/21/2012</u>

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 95 OF 128

i.

	AREA WALK-BY CHECKLIST			
Sheet 1 of 3 Area Walk-By Checklist (AWC) <u>AWC- 24</u>	Status: Y⊠ N⊡ U⊡			
Location: Bldg. <u>Cont.</u> Floor El. <u>993'</u> Room, Area ¹ <u>Cont., Nea</u>	nr C/LT-911; C/PT-913			
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.				
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Y⊠ N∏ U∏ N/A∏			
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? <i>Mild oxidation noted on the anchorage.</i> 	Y⊠ N⊡ U⊡ N/A⊡			
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□			

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 96 OF 128

۰.

AREA WALK-BY CHECKL
Status: Y⊠ N⊟ U⊑
-911; C/PT-913
3 N U N/A
3 N U N/A
] N□ U□ N/A□
] N∏ U∏ N/A∏

-

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 97 OF 128

	AREA WALK-BY CHECKLIST
Sheet 3 of 3 Area Walk-By Checklist (AWC) <u>AWC- 24</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>Cont.</u> Floor El. <u>993'</u> Room, Area ³ <u>Cont., Near</u>	C/LT-911; C/PT-913
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX N U
	<i>.</i>
<u>Comments (</u> Additional pages may be added as necessary)	
Evaluated by: <u>Alex Smerch Min lass</u>	Date: <u>8/22/2012</u>
John Kao	8/22/2012
· · · · · · · · · · · · · · · · · · ·	······································

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 98 OF 128

	AREA WALK-BY CHECKLIS
Sheet 1 of 3	
Area Walk-By Checklist (AWC) <u>AWC- 25</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>Cont</u> Floor El. <u>1045'</u> Room, Area ¹ <u>Cont., Nea</u> <u>164</u>	<u>r HCV-240; HCV-1107A; FW-</u>
nstructions for Completing Checklist	· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
2. Does anchorage of equipment in the area appear to be free of	Y⊠ N□ U□ N/A□
significant degraded conditions?	
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

2

•

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

,

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 99 OF 128

Sheet 2 of 3 Status: Y⊠ N□ U□ Area Walk-By Checklist (AWC) _AWC- 25		AREA WALK-BY CHECKL
164 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y⊠ N□ U□ N/A□ 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y⊠ N□ U□ N/A□ 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y⊠ N□ U□ N/A□ 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead Y⊠ N□ U□ N/A□		Status: Y⊠ N∏ U∏
 spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? 7. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead 		ear HCV-240; HCV-1107A; FW-
 interactions that could cause flooding or spray in the area? 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead 	spatial interactions with other equipment in the area (e.g., ceiling tiles	
 interactions that could cause flooding or spray in the area? Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead 		· .
 interactions that could cause a fire in the area? 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead 	5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead		Y⊠ N⊟ U⊟ N/A⊟
	interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lea	

,

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

	PAGE 100 OF 128
	AREA WALK-BY CHECKLIST
Sheet 3 of 3	Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) <u>AWC- 25</u>	
Location: Bldg. <u>Cont</u> Floor El. <u>1045'</u> Room, Area³ <u>Cont., Near</u> <u>164</u>	HCV-240; HCV-1107A; FW-
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	
Comments (Additional pages may be added as necessary)	
· · · · · · · · · · · · · · · · · · ·	
Evaluated by: John Kao	_ Date: <u>8/22/2012</u>
Alex Smerch Mir lang	8/22/2012
· · ·	

EA12-021, Rev. 0

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 101 OF 128

	AREA WALK-BY CHECKLIS
neet 1 of 3 rea Walk-By Checklist (AWC) <u>AWC- 26</u>	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>Cont.</u> Floor El. <u>1013'</u> Room, Area ¹ <u>Cont., Nea</u>	r A/PT-120; SI-6A
structions for Completing Checklist	
his checklist may be used to document the results of the Area Walk-By near of bace below each of the following questions may be used to record the results iditional space is provided at the end of this checklist for documenting other of	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	YX NI UI N/AI
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 102 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 26</u>	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>Cont.</u> Floor El. <u>1013'</u> Room, Area ² <u>Cont., Near</u>	A/PT-120; SI-6A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U⊡ N/A□
· .	

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 103 OF 128

			AREA WALK-BY CHECKLIST
Sheet 3 of 3 Area Walk-By Checkli	st (AWC) <u>AWC- 26</u>	<u></u>	Status: Y⊠ N∏ U∏
Location: Bldg. Cont.	Floor El. <u>1013'</u>	Room, Area₃ <u>Cont., Near A/F</u>	PT-120; SI-6A
		eismic conditions that could equipment in the area?	
<u>Comments (</u> Additional pa	iges may be added as n	ecessary)	
(John Kao	r	
Evaluated by: <u>John Kao</u>	<u>.</u>	L	Date: <u>8/22/2012</u>
	n the los	L	8/22/2012 8/22/2012

v

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 104 OF 128

٠

	AREA WALK-BY CHECKLIS
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC- 27</u>	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area ¹ <u>26, Near CH</u>	I-115; CH-143; CH-4A
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other co	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	Y⊠ N∏ U∏ N/A∏
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
3. Based on a visual inspection from the floor, do the cable/conduit	
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 105 OF 128

	AREA WALK-BY CHEC
eet 2 of 4 ea Walk-By Checklist (AWC) <u>AWC- 27</u>	Status: Y⊠ N∏ U
cation: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area ² <u>26, Near (</u>	CH-115; CH-143; CH-4A
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y
There is a bent rod hanger supporting sensing line FT-269X. CR 2012 12405 has been initiated.	2-
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N⊡ U∏ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N⊡ U⊡ N/A⊡

Ċ

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 106 OF 128

	AREA WALK-BY CHECKL
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 27</u>	Status: Y⊠ N⊡ U
Location: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area ³ <u>26</u>	Near CH-115; CH-143; CH-4A
 Have you looked for and found no other seismic conditions that adversely affect the safety functions of the equipment in the are 	
<u>Comments (</u> Additional pages may be added as necessary)	
Evaluated by: John Kao	Date: <u>8/23/2012</u>
Alex Smerch Mix los	8/23/2012

!

	EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 107 OF 128
	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC) <u>AWC- 27</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u> Floor El. <u>1007</u> '	Room, Area₄ <u>26, <i>Near CH-115; CH-143; CH-4A</i></u>
Photographs	
Note: Bent rod hanger for sensing line FT-269X, near Boric Acid Storage Tank CH-11A Outlet Valve CH-115	Note:

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 108 OF 128

					<u> </u>	×
					AREA	VALK-BY CHECKLI
Sheet 1 of 3 Area Walk-B	y Checklist	(AWC)	AWC- 28	<u> </u>	Status:	Y⊠ N□ U□
Location: Bldg	. <u>AUX</u>	Floor El.	<u>1007'</u>	Room, Area ¹ <u>59, Near</u>	VA-280	
Instructions fo	or Completir	ng Checklis	st			
space below ea	ach of the fol	lowing ques	tions may be	of the Area Walk-By nea used to record the resu list for documenting othe	Its of judgments	
potentia				pear to be free of ble without necessarily	YX N	U N/A
	nchorage of e			pear to be free of	Y⊠ N□	
raceway seismic	/s and HVAC conditions (e	ducting ap	pear to be fre	to the cable/conduit ee of potentially adverse s is adequate and fill acceptable limits)?		U N/A
						,
-						

١

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 109 OF 128

· · · · · · · · · · · · · · · · · · ·	AREA WALK-BY CHECKLIS		
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 28</u>	Status: Y⊠ N⊡ U⊡		
Location: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area ² <u>59, Near</u>	VA-280		
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N∏ U∏ N/A∏		
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡		
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□		
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	× Y⊠ N⊡ U⊡ N/A⊡		

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 110 OF 128

Sheet 3 of 3 Area Walk-By Checklist (AWC) <u>AWC- 28</u> Location: Bldg. <u>AUX</u> Floor El. <u>1007'</u> Room, Area₃ <u>59, Near V</u>	Status: Y⊠ N⊡ U[
Location: Bldg. AUX Floor El. 1007' Room, Area3 59, Near V	
	4-280
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
John Kao	<u>.</u>
Evaluated by: John Kao	Date: <u>8/23/2012</u>
Alex Smerch Mur land	Date: <u>8/23/2012</u>
Alex Smerch	

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 111 OF 128

	· · · · · · · · · · · · · · · · · · ·		AREA WALK-BY CHECKLIS
Sheet 1 of 4 Area Walk-By Checklis	t (AWC) AWC- 29	9	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AUX</u>	Floor El. <u>971'</u>	Room, Area ¹ <u>21, Near H</u>	ICV-2917; HCV-2918; HCV- /-2948; HCV-305
nstructions for Completi	ng Checklist		· · · · · · · · · · · · · · · · · · ·
space below each of the fo	llowing questions may	Its of the Area Walk-By near be used to record the results ecklist for documenting other	
opening cabinets)?	seismic conditions (if v	appear to be free of visible without necessarily port. CR 2012-11277 has	Y□ N⊠ U□ N/A□
2. Does anchorage of significant degraded		appear to be free of	Y⊠ N∏ U∏ N/A∏
seismic conditions (C ducting appear to be e.g., condition of supp	or, do the cable/conduit a free of potentially adverse orts is adequate and fill de acceptable limits)?	Y⊠ N□ U□ N/A□

,

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 112 OF 128

	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC) <u>AWC- 29</u>	Status: Y⊠ N∏ U∏
	<u>CV-2917; HCV-2918; HCV-</u> -2948; HCV-305
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N⊡ U⊡ N/A⊡
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Miscellaneous electrical cord in area is justified by SO-G-101 	Y⊠ N⊡ U⊡ N/A⊡

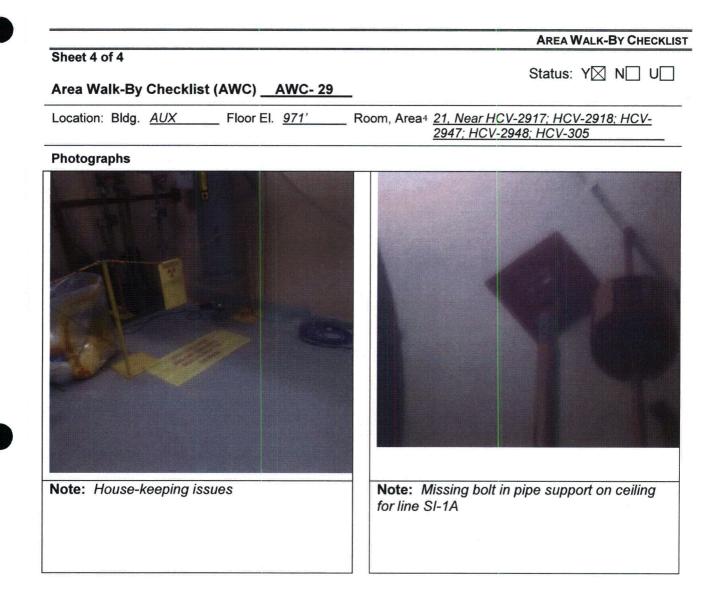
² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 113 OF 128

	AREA WALK-BY CHECKLIS
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC- 29</u>	Status: Y⊠ N⊡ U⊡
	CV-2917; HCV-2918; HCV- -2948; HCV-305
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YN U
t	
c <u>omments (</u> Additional pages may be added as necessary) Numerous scaffolds in-place in this area during outage could possib risk assessment of plant during operations.	ly skew evaluation of seismic
Evaluated by: John Kao	Date: <u>8/23/2012</u>

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 114 OF 128



⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 115 OF 128

	AREA WALK-BY CHECKL
heet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC- 30</u>	Status: Y⊠ N∏ U∏
ocation: Bldg. <u>Cont</u> Floor El. <u>1013'</u> Room, Area ¹ <u>Cont., N</u>	ear B/LT-911; B/PT-913
nstructions for Completing Checklist	,
his checklist may be used to document the results of the Area Walk-By near pace below each of the following questions may be used to record the resu additional space is provided at the end of this checklist for documenting other	Its of judgments and findings.
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	YX N UN N/A
One anchorbolt head above concrete appears to be bent. Bending of the bolt is judged to have occured after construction and concrete wa cured and does not effect effective embedded bolt length and corresponding anchor strength.	f as
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y□ N⊠ U□ N/A□
Anchorage on the baseplates of 2 vertical posts near P/B-249C appears to have severe corrosion. CR 2012-11879 has been initiate	d.
 Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse 	Y⊠ N□ U□ N/A□

.

.

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 116 OF 128

,

					VALK-BY CHECKL
Sheet 2 of 5 Area Walk-B	y Checklist	t (AWC) <u>AWC</u>	- 30	Status:	Y⊠ N∏ U∏
Location: Bldg	. <u>Cont</u>	Floor El. <u>1013</u>		Near B/LT-911; B/	PT-913
spatial and ligl <i>It appe</i> and the	interactions v nting)? ars that a ligh	with other equipme ht fixture near A/LT ould come into con	potentially adverse seismic ent in the area (e.g., ceiling til F-911 is suspended very clos ntact during a seismic event.	les	U N/A
			potentially adverse seismic or spray in the area?	Y⊠N□	U N/A
		the area is free of p Ild cause a fire in th	potentially adverse seismic he area?	Y⊠ N⊟	
interact portable shieldir Scaffol	ions associat e equipment, g)? ding in area a	ted with housekeer and temporary ins	potentially adverse seismic ping practices, storage of stallations (e.g., scaffolding, l does not have a seismic desig d.	ead	U N/A

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 117 OF 128

	AREA WALK-BY CHECKLIS
Sheet 3 of 5	
Area Malk Du Ohaaklist (AMO) AMO 20	Status: Y🛛 N🗌 U
Area Walk-By Checklist (AWC) <u>AWC- 30</u>	
Location: Bldg. <u>Cont</u> Floor El. <u>1013'</u> Room, Area ³ <u>Cont., Near</u>	B/LT-911; B/PT-913
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	YX NI UI
<u>Comments (</u> Additional pages may be added as necessary)	
·	
Evaluated by: <u>Kevin Bessell Lin Burd</u>	Date: <u>8/27/2012</u>
Alex Smerch the land	8/27/2012

1

,

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 118 OF 128

AREA WALK-BY CHECKLIST Sheet 4 of 5 Status: YX N U Area Walk-By Checklist (AWC) _____AWC- 30 Location: Bldg. Cont Floor El. 1013' Room, Area4 Cont., Near B/LT-911; B/PT-913 **Photographs** Note: Corrosion on vertical support Note: Scaffolding over WD-1 (tank) in area baseplates and anchorage. does not have seismic design tag associated with it.

⁴ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

AL			AREA WALK-BY CHEC	KLIST
Sheet 5 of 5 Area Walk-By Checklis	t (AWC) <u>AWC- 30</u>	20 ¹⁰	Status: Y⊠ N∏ U	Γ
Location: Bldg. <u>Cont</u>	Floor El. <u>1013'</u>	Room, Area ⁵ <u>Cont., N</u>	lear B/LT-911; B/PT-913	
/			a. (*	
			ŝ	
	- Alter			
	:			

EA12-021, Rev. 0

⁵ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 120 OF 128

						AREA	VALK-BY CHECKL
Sheet Area		Checklist	t (AWC) _	AWC- 31		Status:	Y⊠ N□ U□
Locatio	on: Bldg.	Cont	Floor El	l. <u>1045'</u>	_ Room, Area ¹ <u>Cont., Ne</u>	ear IA-12	
This cł space	necklist m below eac	ch of the fol	to docume	nt the result stions may b	s of the Area Walk-By nea be used to record the resul klist for documenting othe	ts of judgments	
1.	potentiall				ppear to be free of sible without necessarily	YX N	U[] N/A[]
2.		chorage of e			ppear to be free of	Y⊠N□	U[] N/A[]
3.	raceways seismic c	s and HVAC conditions (e	ducting ap e.g., conditi	opear to be f on of suppo	do the cable/conduit ree of potentially adverse rts is adequate and fill e acceptable limits)?	Y⊠N□	U[] N/A[]

٦

,

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

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 121 OF 128

	AREA WALK-BY CHECKL
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 31</u>	Status: Y⊠ N∏ U∏
ocation: Bldg. <u>Cont</u> Floor El. <u>1045'</u> Room, Area ² <u>Cont., Near</u>	IA-12
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Y⊠ N□ U□ N/A□
· · · · · · · · · · · · · · · · · · ·	

² If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 122 OF 128

Sheet 3 of 3 Status: Y N IU Area Walk-By Checklist (AWC) <u>AWC- 31</u> Image: Status: Y N IU Location: Bldg. <u>Cont</u> Floor El. <u>1045</u> Room, Area ³ <u>Cont., Near IA-12</u> 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N IU 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y N IU Comments (Additional pages may be added as necessary) Evaluated by: <u>Alex Smerch Muc Marcan</u> Date: <u>8/27/2012</u> Evaluated by: <u>Alex Smerch Muc Marcan</u> Date: <u>8/27/2012</u> <u>8/27/2012</u>					·	A	REA W	ALK-	Вү Сн	ECKL
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y⊠ N□ U□ Comments (Additional pages may be added as necessary)		y Checklist	: (AWC)	AWC- 31		Sta	atus:	Y⊠	N	U
adversely affect the safety functions of the equipment in the area?	Location: Bldg	. <u>Cont</u>	_ Floor El.	1045'	Room, Area ³ <u>Cont., Nea</u>	r IA-12				
						Υ⊠	N 🗌 L			
Evaluated by: <u>Alex Smerch Mur Jana</u> Date: <u>8/27/2012</u> <u>Kevin Bessell Min Bard</u> <u>8/27/2012</u>	<u>Comments (</u> A	dditional pag	es may be a	dded as ne	ecessary)					
Evaluated by: <u>Alex Smerch Muc Income</u> Date: <u>8/27/2012</u> <u>Kevin Bessell Min Band 8/27/2012</u>			,							
Kevin Bessell Lin Bard	Evaluated by: <u>/</u>	Alex Smerch	the 1	1		Date:	<u>8/27/</u>	2012		
	Ľ	Kevin Besseli	this,	Bar			<u>8/27/</u>	<u>2012</u>		
									,	
								,		
	•									
	-									

³ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 123 OF 128

	AREA WALK-BY CHECKLIS
sheet 1 of 3	Status: Y⊠ N∏ U∏
Area Walk-By Checklist (AWC) <u>AWC- 32</u>	
ocation: Bldg. <u>Cont</u> Floor El. <u>1060'</u> Room, Area <u>Cont., Near</u>	VA-15B
nstructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of pace below each of the following questions may be used to record the results additional space is provided at the end of this checklist for documenting other c	of judgments and findings.
1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?	Y⊠ N□ U□ N/A□
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N⊟ U⊟ N/A⊟
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N⊟ U⊟ N/A⊟
	·
· · · · · ·	

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 124 OF 128

.

	AREA WALK-BY CHECKLIST
heet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 32</u>	Status: Y⊠ N⊡ U⊡
ocation: Bldg. <u>Cont</u> Floor El. <u>1060'</u> Room, Area <u>Cont., Nea</u>	r VA-15B
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
Edge of vertical steel bracing close to center of nearby ducting. Cross steel bracing is very rigid and would not deflect large enough to strike duct during seismic event.	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
 Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead 	Y⊠ N□ U□ N/A□

•

1

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 125 OF 128

						ARE	A WALK-E	BY CHECKLIS
Sheet 3 of 3						Statu	s: Y⊠	
Area Walk-By	Checklist (/	AWC)	AWC- 32	_	·			
Location: Bldg.	Cont	Floor El.	1060'	_ Room, Area	Cont., Near	VA-15B	ł	
				smic conditions equipment in the		Y⊠ N[] U[]	
<u>Comments (</u> Add	litional pages	may be a	dded as neo	cessary)				
Evaluated by: <u>Ale</u>	ex Smerch	her 1				_ Date: <u>8/</u>	27/2012	
		11 4	2 1	•				
<u>Ke</u>	vin Bessell 🛛	Ki-1	and			<u>8/</u>	27/2012	
,								
								•

,

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 126 OF 128

Sheet 1 of 3 Status: Y⊠ N□ U Area Walk-By Checklist (AWC) _AWC- 33	0h	1 				EA WALK-BY CHECKL
Area Walk-By Checklist (AWC)	Sneet 1 of 3				Stat	us: YX N U
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y⊠ N□ U□ N/A□ 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y⊠ N□ U□ N/A□ 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill Y□ N□ U□ N/A□	Area Walk-By	Checklist (AWC)	AWC- 33			
 This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill 	Location: Bldg.	AUX Floor E	El. <u>989'</u> Roc	om, Area <u>5, Ne</u>	ear AC-6; AC-7	
 space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic (e.g., condition of supports is adequate and fill 	Instructions fo	r Completing Check	list			
potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y ⊠ N □ U □ N/A □ 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill Y□ N□ U□ N/A □	space below ea	ch of the following que	estions may be use	d to record the	results of judgme	nts and findings.
 significant degraded conditions? 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill 	potential	ly adverse seismic co				U N/A
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill				to be free of	Y⊠ N	U N/A
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill	-					
	raceway seismic (s and HVAC ducting a conditions (e.g., condi	appear to be free of ition of supports is a	potentially adve dequate and fil	erse	_ U <u>_</u> N/A⊠

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 127 OF 128

	AREA WALK-BY CHECKLIS
Sheet 2 of 3 Area Walk-By Checklist (AWC) <u>AWC- 33</u>	Status: Y⊠ N□ U□
ocation: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room	, Area <u>5, Near AC-6; AC-7</u>
4. Does it appear that the area is free of potentially adv spatial interactions with other equipment in the area and lighting)? Lighting noted with one support containing an open seismic acceleration values in the area are less than weight of the structure would prohibit vertical mover it engaged. Light bulbs have no cage and would not significant threat compared to the size and strength of	(e.g., ceiling tiles hook. The vertical 1.0 so the self- nent and thus keep be considered a
5. Does it appear that the area is free of potentially adv interactions that could cause flooding or spray in the	rerse seismic Y⊠ N⊡ U⊡ N/A⊡ area?
6. Does it appear that the area is free of potentially adv interactions that could cause a fire in the area?	rerse seismic Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free of potentially adv interactions associated with housekeeping practices, portable equipment, and temporary installations (e.g. shielding)? A cart was noted near AC-6, however, it was on its s center of gravity making it a non-credible source for s 	, storage of ., scaffolding, lead <i>ide and had a low</i>

.

EA12-021, Rev. 0 ATTACHMENT 11.3 PAGE 128 OF 128

•

ł.

.

											A		ALK-	BY CH	IECKI
Sheet 3 of	3										Ct-		<u>√</u>		
Area Wal	k-By (Checklis	t (AW	C)	AWC- 3	3					518	itus:	Y⊠		υL
_ocation:	Bldg.	AUX	Flo	oor El.	<u>989'</u>	F	Room, Are	ea <u>5</u>	Near A	AC-6;	AC-7				
		looked fo affect the								1	Y⊠ I		υ		
Commont	e (Vqq	itional nac	100 ma	v ho o	ac hobbe	nocos	cand								
Comment	<u>s (</u> Add	itional pag	ges ma	y be a	added as	neces	sary)								
Comment	<u>s (</u> Add	itional pag	ges ma	y be a	added as	neces	sary)								
<u>Comment</u>	<u>s (</u> Add	itional pag	ges ma	y be a	added as	neces	sary)								
Comment	<u>s (</u> Add	itional pag	ges ma	y be a	added as	neces	sary)							-	
<u>Comment</u>	<u>s (</u> Add	itional paç	ges ma	iy be a	added as	neces	sary)								
						neces	sary)								
<u>Comment</u>						neces	sary)				Date:	<u>8/28</u>	/2012	-	

х 1+

EA12-021, Rev. 0 ATTACHMENT 11.4 PAGE 1 OF 2

•

LB #	SWC/AWC#	TAG ID	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION	RESOLUTION	CR #
1	AWC-2	(if applicable) N/A	Broom in area nearby the damper solenoid	CONCLUSION CR Initiated	See CR	(If Applicable) CR 2012-10195
2	SWC-38	FCV-1369	Missing clamp attaching Unistrut and Pipe.	CR Initiated	See CR	CR 2012-10195
			The unistrut holds the instrument line.			
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	CR Initiated	See CR	CR 2012-10368
5	SWC-51	DG-2	potentially contact a nearby wall Insulation on a pipe above the diesel	CR Initiated	See CR	CR 2012-10369
5	0110-01	0012	generator whose mass was not accounted for			0112012-10000
6	SWC-16	T1B-3C	in seismic qualification report. Overhead lighting lacking any covering for	CR Initiated	See CR	CR 2012-10423
			light bulbs			
7	SWC-49	EE-8C	Overhead lighting lacking any covering for light bulbs	CR Initiated	See CR	CR 2012-10423
8	SWC-12	1Ā4-11	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	CR Initiated	See CR	CR 2012-10423
10	AWC-7	N/A	light bulbs Overhead lighting lacking any covering for	CR Initiated	See CR	CR 2012-10423
11	AWC-8	N/A	light bulbs Overhead lighting lacking any covering for	CR Initiated	See CR	CR 2012-10423
12	AWC-9	N/A	light bulbs Overhead lighting lacking any covering for	CR Initiated	See CR	CR 2012-10423
			light bulbs			
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		CR Initiated	See CR	CR 2012-10425
16	SWC-46	EE-8F	EE-8C has 3/8" Gap from EE-8F creating	CR Initiated	See CR	CR 2012-10427
17	SWC-49	EE-8C	seismic interaction issue. EE-8C has 3/8" Gap from EE-8F creating	CR Initiated	See CR	CR 2012-10427
18	SWC-1	AC-12B	seismic interaction issue. Anchor bolts from strainer base to concrete	CR Initiated	See CR	CR 2012-10553
19	AWC-13	AC-12A	lack thread engagement with their nuts Anchor bolts from strainer base to concrete	CR Initiated	See CR	CR 2012-10553
13	700-13		lack thread engagement with their nuts			0112012-10000
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	CR Initiated	See CR	CR 2012-10684
28	SWC-92	AC-5A	impact SR equipment. Block wall lateral restraint is not in contact	CR Initiated	See CR	CR 2012-10915
28	3440-92		Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.		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	CR Initiated	See CR	CR 2012-10915
30	AWC-18	N/A	block wall in current state. Block wall lateral restraint is not in contact	CR Initiated	See CR	CR 2012-10915
-			with block wall and is possibly not restraining block wall in current state.		-	
31	AWC-19	N/A	Cart on wheels with tools and chemical	CR Initiated	See CR	CR 2012-10916
			cleaners on it could roll and strike safety related equipment			
32	AWC-20	N/A	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	event Concrete pitting near support	CR Initiated	See CR	CR 2012-10919
34	SWC-60	AC-4B	Missing chunks of concrete around anchors	CR Initiated	See CR	CR 2012-11039
			and anchors possibly cut negating capabilities of anchorage			
35	AWC-22	N/A	Unsecured chains from hoist are located unsecured near AC-1C and AC-1D	CR Initiated	See CR	CR 2012-11041
36	AWC-29	N/A		CR Initiated	See CR	CR 2012-11277
37	AWC-30	P/B-249C	Anchor bolts on the baseplate for support posts are severely corroded and need to be		See CR	CR 2012-11879
38	AWC-30	WD-1	replaced. There was no tag identified for scaffolding	CR Initiated	See CR	CR 2012-11880
	AVV	VVD-1	There was no lay mentiled for scattolding	UN INIBAIOU		UN 2012-11000

EA12-021, Rev. 0 ATTACHMENT 11.4 PAGE 2 OF 2

		TACID	POTENTIALLY ADVERSE SEISM			CD 4
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	CR Initiated	See CR	CR 2012-12399
41	AWC-3	N/A	interaction problems with near by piping Substance was found accumulated in the base of FW-10 that could potentially be oil	CR Initiated	See CR	CR 2012-12400
42	AWC-20	N/A	and a fire hazard 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	AWC-27	N/A	Bent hanger rod supporting line.	CR Initiated	See CR	CR 2012-12405
47	SWC-48	EE-8A	Missing plant documentation to verify configuration check.	Meets the Licensing Basis 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.		N/A	N/A
54	AWC-13	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
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.		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		N/A	N/A
61	SWC-70	C/PT-913	Missing plant documentation to verify configuration check.		N/A	N/A
62	SWC-69	C/LT-911	Missing plant documentation to verify configuration check.		N/A	N/A
63	SWC-87	HCV-2947	Missing plant documentation to verify configuration check.		N/A	N/A
64	SWC-86	HCV- 305	Missing plant documentation to verify configuration check.		N/A	N/A
65	SWC-85	HCV-2948	Missing plant documentation to verify configuration check.		N/A	N/A
66	SWC-83	HCV-2918	Missing plant documentation to verify configuration check.		N/A	N/A
67	SWC-52	FT-1368			N/A	N/A

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 1 OF 67

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-01</u> Originating SWC	C/AWC: <u>AWC-2</u>
Equipment ID No.: <u>//A</u> Equip. Class: <u>/</u>	<u>//A</u>
Equipment Description: <u>N/A</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>1024'</u>	Room, Area <u>MISL ROOM 63, NEAR</u> YCV-871H-20, YCV-871H
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.	
	57
Conclusion Condition Meets the Licensing Basis: Y	es 🛛 No
CR# (If applicable): <u>2012-10195</u>	
Prepared by: Ryan Rymarczyk B-B-C	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
Reviewed by: <u>Kevin Bessell King Bard</u>	Date <u>10/12/2012</u>

1

Peer Reviewer

.

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 2 OF 67

· · · · ·		LICENSING BASIS	EVALUATION FORM
Sheet 1 of 1			
Licensing Basis (LB) Evalua	ation Form	·	
LB Evaluation No.: <u>LB-02</u>	Originating SWC	/AWC: <u>SWC-38</u>	
Equipment ID No.: <u>FCV-1369</u>	Equip. Class: <u>7</u>	, PNEUMATIC-OPERATED	/ALVES
Equipment Description: <u>TURB-DRIVE</u>	N AUX FEED PUMP FW	-10 RECIRCULATION VALV	<u>E_</u>
Location: Bldg. <u>AUX</u> F	loor El. <u>991'</u>	Room, Area <u>19, 3W′C-</u>	7 <u>N'3AA</u>
Condition Missing clamp attaching unistrut and pipe Documents Reviewed N/A, CR initiated.	. The unistrut holds the ir	nstrument line.	
Licensing Basis N/A, CR initiated.			
Evaluation N/A, CR initiated.			
Conclusion Condition Meets the Lie CR# (If applicable): <u>2012-10198</u>	censing Basis: 🔲 Yo	es 🛛 No	
Prepared by: <u>Ryan Rymarczyk</u>	Buc g Basis Reviewer	Date <u>1</u>	0/11/2012
Reviewed by: <u>Kevin Bessell</u> Peer	B	Date <u>10</u>	0/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 3 OF 67

.

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation I	Form
LB Evaluation No.: <u>LB-03</u> O	riginating SWC/AWC: <u>SWC-21</u>
Equipment ID No.: <u>FO-4A-2</u> E	quip. Class: <u>5, HORIZONTAL PUMPS</u>
Equipment Description: <u>D2 FUEL OIL TRANS</u>	FER PUMP #1_
Location: Bldg. <u>AUX</u> Floor El.	<u>1012'</u> Room, Area <u>64, 3W'K-6S'2B</u>
Condition	
Potentially missing fan clip above fuel oil transfer	pump.
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): <u>2012-10367</u>	
Prepared by: <u>Ryan Rymarczyk</u> Bre	Date <u>10/11/2012</u>
Licensing Basis	Reviewer
Reviewed by: Kevin Bessell Kin Burd	Date <u>10/12/2012</u>
Peer Reviewed	

١

¢

EA12-021, Rev. 0 **ATTACHMENT 11.5** PAGE 4 OF 67

		LICENSING BASIS EVALUATION FORM		
Sheet 1 of 1				
Licensing Basis (LB) Eva	aluation Form			
LB Evaluation No.: <u>LB-04</u>	Originating SWC/AWC: <u>AWC-4</u>			
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>			
Equipment Description: <u>N/A</u>				
Location: Bldg. <u>AUX</u>	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 that could potentially contact a nearby wall.				
Documents Reviewed				

Licensing Basis

N/A, CR initiated.

Evaluation

N/A, CR initiated.

<u>Conclusion</u> Condition Meets the Licensing Basis:	Yes	No No	
CR# (If applicable): <u>2012-10368</u>			
Prepared by: <u>Ryan Rymarczyk Buc</u>		Date <u>10/11/2012</u>	

Licensing Basis Reviewer

Reviewed by: Kevin Bessell

Date <u>10/12/2012</u>

Peer Reviewer

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 5 OF 67

LICENSING BASIS EVALUATION FORM

Sh	eet	1	of	1	

Licensing Basis (LB) Evaluation Form

LB Evaluat	tion No.: <u></u>	Originating SWC/AWC: <u>SWC-51</u>
Equipment	: ID No.: <u>DG-2</u>	Equip. Class: <u>17, ENGINE GENERATORS</u>
Equipment	Description: <u>EMEI</u>	RGENCY DIESEL GENERATOR #2
Location:	Bldg. AUX	Floor El. 1010' Room, Area <u>64, 3E'F-7S'2B</u>

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: Second Second	🛛 No
CR# (If applicable): <u>2012-10369</u>	
Prepared by: <u>Ryan Rymarczyk Basis</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u> King Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 6 OF 67

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	х
LB Evaluation No.: <u>LB-06</u> Originating SWC/AWC: <u>S</u>	WC-16
Equipment ID No.: <u>T1B-3C</u> Equip. Class: <u>4, TRANSFC</u>	DRMERS
Equipment Description: <u>4160/480 TRANSFORMER BUS 1B3C</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>1011'</u> Room,	Area <u>56, 7W'C-17N'4A</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: Section 2	⊠ No
CR# (If applicable): <u>2012-10423</u>	
Prepared by: <u>Ryan Rymarczyk Basis</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u> Peer Reviewer	Date <u>10/12/2012</u>

1

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 7 OF 67

		LICENSING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB)	Evaluation Form	
LB Evaluation No.: <u>LB-07</u>	Originating SWC/AWC: _s	SWC-49
Equipment ID No.: <u>EE-8C</u>	Equip. Class: <u>16, BATTER</u>	RY CHARGERS AND INVERTERS
Equipment Description: <u>125V</u>	DC BATTERY CHARGER NUMBER 1	
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u> Room,	Area <u>56, 9W'C-13N'6D</u>
Condition	· · · · · · · · · · · · · · · · · · ·	
Overhead lighting lacks any cove	ring for light bulbs.	
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis		· ·
N/A, CR initiated.		
<u>Evaluation</u>		
N/A, CR initiated.		
Conclusion Condition Meet	s the Licensing Basis:	 ⊠ No
CR# (if applicable): _2012-10-		
Prepared by: <u>Ryan Rymarczy</u>	1KB-Bil	Date <u>10/11/2012</u>
l	Licensing Basis Reviewer	
	11. B.	Date <u>10/12/2012</u>
Reviewed by: <u>Kevin Bessell</u>	Peer Reviewer	·
	· · · · · · · · · · · · · · · · · · ·	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 8 OF 67

	LICEN	SING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB) Evaluati	on Form	
LB Evaluation No.: <u>LB-08</u>	Originating SWC/AWC: <u>SWC-1</u>	2
Equipment ID No.: <u>1A4-11</u>	Equip. Class: <u>2, LOW VOLTAGE</u> BREAKER PANELS	SWITCHGEAR AND
Equipment Description: <u>BREAKER UNIT</u>	FEEDER FOR RAW WATER PUMP A	C-10B
Location: Bldg. <u>AUX</u> Floo	or El. <u>1011'</u> Room, Area	<u>56, 1A4</u>
Condition Overhead lighting lacks any covering for light Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation	t bulbs.	
N/A, CR initiated.		
Conclusion Condition Meets the Licer CR# (If applicable): <u>2012-10423</u>	nsing Basis: 🔲 Yes 🛛 🖾 No	
Prepared by: <u>Ryan Rymarczyk B-B</u> Licensing B	Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u> King Burger Re	viewer	Date <u>10/12/2012</u>

.

7

.

EA12-021, Rev. 0 **ATTACHMENT 11.5 PAGE 9 OF 67**

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evalu	ation Form
LB Evaluation No.: <u>LB-09</u>	Originating SWC/AWC: <u>AWC-6</u>
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>

Equipment Description: <u>N/A</u>

Floor El. <u>1011'</u>

Room, Area <u>56, Near 1B4A; 1B4B;</u> 1B4C; 1A4-11; 1A4

Condition

Location:

Overhead lighting lacks any covering for light bulbs.

Bldg. AUX

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 Basis</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Bard</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 10 OF 67

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation	Form		
LB Evaluation No.: <u>LB-10</u>	Originating SWC/A	AWC: <u>AWC-7</u>	
Equipment ID No.: <u>////</u>	pment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>		
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>AUX</u> Floor E	l. <u>1011'</u>	Room, Area <u>56 East, Near 1B3A; 1B</u> . <u>1B3C; 1A3; EE-4S; T1B-3C; EE-8F; EE</u> <u>8C; EE-8H</u>	
Condition			
Overhead lighting lacks any covering for light bu	lbs.		
Documents Reviewed			
N/A, CR initiated.		·	
Licensing Basis N/A, CR initiated.			
<u>Evaluation</u> N/A, CR initiated.			
Conclusion Condition Meets the Licensin	g Basis: 📋 Yes	s 🛛 No	
CR# (If applicable): <u>2012-10423</u>			
Prepared by: <u>Ryan Rymarczyk</u> B	<u> </u>	Date <u>10/11/2012</u>	
Licensing Bas	is Reviewer		
Reviewed by: <u>Kevin Bessell Kin Barro</u>	1	Date <u>10/12/2012</u>	
Peer Review	wer		

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 11 OF 67

		LICENSING BASIS EVALUATION FORM	
Sheet 1 of 1			
Licensing Basis (LB) Eva	aluation Form		
LB Evaluation No.: <u>LB-11</u>	Originating SW	C/AWC: <u>AWC-8</u>	
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>		
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	ı for light bulbs.		
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			
<u> </u>			
Conclusion Condition Meets th	e Licensing Basis:	Yes 🛛 No	
CR# (If applicable): <u>2012-10423</u>			
Prepared by: <u>Ryan Rymarczyk</u> 7	Bil	Date	
Lice	ensing Basis Reviewer		
	n n l	Date 10/12/2012	
Reviewed by: <u>Kevin Bessell</u>			
•	eer Reviewer	Date <u>10/12/2012</u>	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 12 OF 67

· · · · · · · · · · · · · · · · · · ·		LICEN	SING BASIS EVALUATION FORM
Sheet 1 of 1			
Licensing Basis (LB) Eval	uation Form		
LB Evaluation No.: <u>LB-12</u>	Originating SWC/	AWC: <u>AWC-9</u>	
Equipment ID No.: <u>N/A</u>	Equip. Class: _ <i>N/</i>	<u> </u>	
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area	57, Near MCC-3B1-C2R
Condition			
Overhead lighting lacks any covering fo	or light bulbs.		
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.			۰,
Conclusion Condition Meets the	Licensing Basis:	s 🛛 No	
CR# (If applicable): <u>2012-10423</u>			
	-		
Prepared by: <u>Ryan Rymarczyk</u> 73-	Bil		Date <u>10/11/2012</u>
Licens	sing Basis Reviewer		
Reviewed by: Kevin Bessell	But		Date <u>10/12/2012</u>
	er Reviewer	,	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 13 OF 67

· · · · · · · · · · · · · · · · · · ·		LICENSING BASIS EVALUATION FOR
Sheet 1 of 1		
Licensing Basis (LB) Ev	aluation Form	
LB Evaluation No.: <u>LB-13</u>	Originating SW	/C/AWC: <u>SWC-15</u>
Equipment ID No.: <u>EE-4S</u>	Equip. Class: _	4, TRANSFORMERS
Equipment Description: <u>INVER</u>	ER #1, EE-8P BYPASS TRA	NSFORMER
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area <u>56, 0W'C-11N'6D</u>
Condition		
Overhead lighting lacks any coverin	g for light bulbs.	
Documents Reviewed		
N/A, CR initiated.		· · · · · · · · · · · · · · · · · · ·
Licensing Basis		
N/A, CR initiated.		
Evaluation N/A, CR initiated.		
WA, CR Initialeu.		
Conclusion Condition Meets t	he Licensing Basis:	Yes 🛛 No
CR# (If applicable):	3	
	Babal	Date <u>10/11/2012</u>
Prepared by: <u>Ryan Rymarczyk</u> Lic	ensing Basis Reviewer	
		- · · · · ·
Reviewed by: Kevin Bessell	in Band	Date <u>10/12/2012</u>
	Peer Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 14 OF 67

		LICEN	SING BASIS EVALUATION FORM
Sheet 1 of 1			
Licensing Basis (LB) Eva	luation Form		
LB Evaluation No.: <u>LB-14</u>	Originating SWC/A	WC: <u>SWC-5</u>	0
Equipment ID No.: <u>EE-8H</u>	Equipment ID No.: <u>EE-8H</u> Equip. Class: <u>16, BATTERY CHARGERS AND INVERTERS</u>		
Equipment Description: <u>INSTRUM</u>	IENT BUS "A" INVERTER "A"		
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area	56, 7W'C-6N'6D
Condition			
Overhead lighting lacks any covering	for light bulbs.		
Decumente Paviawad			
Documents Reviewed N/A, CR initiated.			
WA, CR Initialeu.			
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>			
7	~ Bal		Date 10/11/2012
Prepared by: <u>Ryan Rymarczyk</u>	nsing Basis Reviewer		
		· · · ·	
Reviewed by: <u>Kevin Bessell</u>	But		Date <u>10/12/2012</u>
	er Reviewer		

,

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 15 OF 67

LICENSING BASIS	EVALUATION FORM
-----------------	-----------------

. ,

LB Evaluation No.: <u>LB-15</u>	Originating SWC/AWC: <u>AWC-6</u> Equip. Class: <u>N/A</u>		
Equipment ID No.: <u>N/A</u>			
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area <u>56, <i>Near 1</i>B4A; 1B4B,</u> <u>1B4C; 1A4-11; 1A4</u>	
Condition			
Rollable FME storage cart unrestrair	ned near cabinets.		
Documents Reviewed			
N/A, CR initiated.			
Liconeing Basic			
Licensing Basis N/A, CR initiated.			
WA, ON Indiaco.			
Evaluation			
N/A, CR initiated.			
Conclusion Condition Meets th	ne Licensing Basis:	res 🛛 No	
CR# (If applicable): <u>2012-10425</u>	• <u>·</u>	_	
· · · · · · · · · · · · · · · · · · ·		Data 40/4/00/0	
Prepared by: <u>Ryan Rymarczyk</u> 7	3 Jan	Date <u>10/11/2012</u>	
Lice	nsing Basis Poviewor		
Lice	ensing Basis Reviewer		
Lice	ensing Basis Reviewer	Date <u>10/12/2012</u>	
Lice Reviewed by: <u>Kevin Bessell</u>	ensing Basis Reviewer	Date <u>10/12/2012</u>	
Lice Reviewed by: <u>Kevin Bessell</u>	ensing Basis Reviewer	Date <u>10/12/2012</u>	
Lice Reviewed by: <u>Kevin Bessell</u>	ensing Basis Reviewer	Date <u>10/12/2012</u>	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 16 OF 67

		LICENSING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB) Eva	luation Form	
LB Evaluation No.: <u>LB-16</u>	Originating SWC/AWC: <u>SI</u>	WC-46
Equipment ID No.: <u>EE-8F</u>	Equip. Class: <u>14, DISTRIB</u> <u>AUTOMATIC TRANSFER SM</u>	
Equipment Description: <u>125V DC I</u>	NUMBER 1 MAIN DISTRIBUTION PAN	<u>EL</u>
Location: Bldg. <u>AUX</u>	Floor El. <u>1011'</u> Room, <i>i</i>	Area <u>56, 9W'C-0N'7A</u>
Condition EE-8C has 3/8" Gap from EE-8F creat Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.	ting seismic interaction issue.	
Conclusion Condition Meets the CR# (If applicable): <u>2012-10427</u>		☑ No Date _ <i>10/11/2012</i>
Prepared by: <u>Ryan Rymarczyk</u> Licen Reviewed by: <u>Kevin Bessell</u>	ising Basis Reviewer	Date
	er Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 17 OF 67

LICENSING BASIS EVALUATION FORM
Sheet 1 of 1
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. <u>AUX</u> Floor El. <u>1011'</u> Room, Area <u>56, 9W'C-13N'6D</u>
<u>Condition</u>
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.
Conclusion Condition Meets the Licensing Basis: Yes Xo
CR# (If applicable): <u>2012-10427</u>
Prepared by: <u>Ryan Rymarczyk BrBre</u> Date <u>10/11/2012</u>
Licensing Basis Reviewer
Reviewed by: Kevin Bessell King Band Date 10/12/2012
Peer Reviewer

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 18 OF 67

			ISING BASIS EVALUATION FORM
Sheet 1 of 1			
Licensing Basis (LB) Eva	aluation Form		
LB Evaluation No.: <u>LB-18</u>	Originating SV	VC/AWC: <u>SWC-1</u>	
Equipment ID No.: <u>AC-12B</u>	Equipment ID No.: <u>AC-12B</u> Equip. Class: <u>0, OTHER</u>		
Equipment Description: <u>RAW WA</u>	ATER PUMP		
Location: Bldg. <u>INTAKE</u>	Floor El. <u>994'</u>	Room, Area	INTAKE, 1E'CC-1N'104
Condition			
Anchor bolts from strainer base to co	oncrete lack thread engage	ment with their nuts.	
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation			
N/A, CR initiated.		:	
,			
Conclusion Condition Meets th	e Licensing Basis:	Yes 🛛 No)
CR# (If applicable): <u>2012-10553</u>			
Prepared by: <u>Ryan Rymarczyk</u> 7	Bre		Date <u>10/11/2012</u>
Lice	ensing Basis Reviewer		
	0		Date <u>10/12/2012</u>
Reviewed by: <u>Kevin Bessell</u>	- /2~/		
P	eer Reviewer	,	

,

,

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 19 OF 67

LICEN	ISING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-19</u> Originating SWC/AWC: <u>AWC-1</u>	3
Equipment ID No.: <u>AC-12A</u> Equip. Class: <u>0, OTHER</u>	
Equipment Description: <u>Raw Water Strainer</u>	
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.	
Conclusion Condition Meets the Licensing Basis: Yes No	0
CR# (If applicable): <u>2012-10553</u>	
Browned hur Dura Browned Brack	Date 10/11/2012
Prepared by: <u>Ryan Rymarczyk Basis</u> Licensing Basis Reviewer	
Reviewed by: <u>Kevin Bessell King Band</u>	Date <u>10/12/2012</u>
Peer Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 20 OF 67

Sheet	1	of	1
-------	---	----	---

_

_

LICENSING BASIS EVALUATION FORM

LB Evaluation No.: <u>LB-20</u>	_ Originating S	SWC/AWC: <u>AWC-11</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>994'</u>	Room, Area <u>North Basement Room,</u> <u>Near AC-12B; AC-12B-M; AC-10D</u>
<u>Condition</u> Portable light plugged in and hu	ng unsecured above an open a	sump pump.
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis		
N/A, CR initiated.		
<u>Evaluation</u>		
N/A, CR initiated.		
Conclusion Condition Mee	ets the Licensing Basis:]Yes 🛛 No
	0628] Yes ⊠ No Date <u>10/11/2012</u>
<u>Conclusion</u> Condition Mee CR# (If applicable): <u>2012-1</u>	0628	
<u>Conclusion</u> Condition Mee CR# (If applicable): <u>2012-1</u>	0628 zyk 73-73-re- Licensing Basis Reviewer	
<u>Conclusion</u> Condition Mee CR# (If applicable): <u>2012-1</u> Prepared by: <u>Ryan Rymarc</u>	0628 zyk 73-73-re- Licensing Basis Reviewer	Date <u>10/11/2012</u>
<u>Conclusion</u> Condition Mee CR# (If applicable): <u>2012-1</u> Prepared by: <u>Ryan Rymarc</u>	0628 zvk B-B-C Licensing Basis Reviewer Ki-B-A	Date <u>10/11/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 21 OF 67

.

.

Sheet 1 of 1 Licensing Basis (LB) Evaluation Form		
LB Evaluation No.: <u>LB-21</u> Originating SWC/AWC: <u>SWC-57</u>		
Equipment ID No.: <u>PI-2855-1</u> Equip. Class: <u>18, INSTRUMENT RACKS</u>		
Equipment Description: <u>RAW WATER PUMP AC-10B DISCHARGE PRESSURE INDICATOR</u>		
Location: Bldg. <u>INTAKE</u> Floor El. <u>998'</u> Room, Area <u>INTAKE, 16W'BB</u>	- <u>10N'103</u>	
Condition		
Light bulbs could fall and damage gauge.		
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 X No		
CR# (If applicable):		
Prepared by: <u>Ryan Rymarczyk Brack</u> Date <u>10/11/20</u>	012	
Licensing Basis Reviewer		
Reviewed by: <u>Kevin Bessell</u> King Band)12	
Peer Reviewer		

,

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 22 OF 67

_

_

	ENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-22</u> Originating SWC/AWC: <u>AWC</u>	<u>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, Are	ea <u>Grade Floor, Near FP-1B</u>
<u>Condition</u> Transient materials left in non-storage area.	
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>2012-10630</u>	
Prepared by: <u>Ryan Rymarczyk Branc</u>	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>
Peer Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 23 OF 67

Sheet 1	of 1
---------	------

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-23</u> Originating SWC/A	WC: <u>AWC-12</u>
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>	
Equipment Description: <u>N/A</u>	
*	Room, Area <u>Middle Basement Room,</u> <u>Near AC-10B; HCV-2875A; PI-2855-1</u>
Condition	
Light bent around equipment and hung very close to small line creating	ng seismic spatial interaction.
Documents Reviewed N/A, CR initiated.	
Licensing Basis N/A, CR initiated.	
Evaluation	
N/A, CR initiated.	
Conclusion Condition Meets the Licensing Basis: Yes CR# (If applicable): 2012-10631	No
Prepared by: <u>Ryan Rymarczyk Basis</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 24 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

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. <u>AUX</u>	Floor El. <u>1036'</u> Room, Area <u>72, Near TCV-893; VA-46A</u>

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.

Evaluation

N/A, CR initiated.

·	
Conclusion Condition Meets the Licensing Basis: Yes X No	
CR# (If applicable): <u>2012-10672</u>	
Prepared by: <u>Ryan Rymarczyk Basis</u> E	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>

Peer Reviewer

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 25 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-25</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. <u>AUX</u>	Floor El. <u>1036'</u> Room, Area <u>72, Near TCV-893; VA-46A</u>

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): <u>2012-10676</u>		
Prepared by: <u>Ryan Rymarczyk B-B-C</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>	

Peer Reviewer

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 26 OF 67

Date <u>10/12/2012</u>

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u></u>	Originating SWC/AWC: <u>AWC-14</u>
Equipment ID No.: <u>///A</u>	Equip. Class: <u>N/A</u>
Equipment Description: <u>N/A</u>	
Location: Bldg. <u>AUX</u> 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 unlocked wheels creating a seismic spatial interaction condition. Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.	
Conclusion Condition Meets the Licensi CR# (If applicable): <u>2012-10684</u>	ing Basis: 🔲 Yes 🛛 No
Prepared by: <u>Ryan Rymarczyk</u> B-B-	C DateDate

Licensing Basis Reviewer

Reviewed by: Kevin Bessell Peer Reviewer

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 27 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1	
Licensing Basis (LB) Evaluation F	orm

LB Evaluation No.: <u>LB-27</u>	Originating SWC/AWC: <u>AWC-14</u>
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>
Equipment Description: <u>N/A</u>	
Location: Bldg. <u>AUX</u>	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

Water cooler with high C.G. could move and impact SR equipment.

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:	No _
CR# (If applicable): <u>2012-10684</u>	
Prepared by: <u>Ryan Rymarczyk Branc</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell Kin Bard	Date

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 28 OF 67

LICENSING BASIS EVALUATION FORM

Sheet	1	of	1
-------	---	----	---

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>B-28</u>	Originating SWC/AWC: <u>SWC-92</u>
Equipment ID No.: <u>AC-5A</u>	Equip. Class: <u>5, HORIZONTAL PUMPS</u>
Equipment Description: <u>SPENT FUEL POC</u>	DL CIRCULATING PUMP
Location: Bldg. <u>AUX</u> Floor I	El. <u>989'</u> Room, Area <u>5, 10E'T-3N'5D</u>

Condition

Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.

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 applic	able): <u>2012-10915</u>			
Prepared by:	Ryan Rymarczyk B-B-R Licensing Basis Review	er	Da	te <u>10/11/2012</u>
Reviewed by:	Kevin Bessell Kin Bard		Da	te <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 29 OF 67

		LICENSING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB) E	valuation Form	· · · · · · · · · · · · · · · · · · ·
LB Evaluation No.: <u>LB-29</u>	Originating SW	/C/AWC: <u>SWC-93</u>
Equipment ID No.: <u>AC-5B</u>	Equip. Class: _	5, HORIZONTAL PUMPS
Equipment Description: <u>SPEN</u>	T FUEL POOL CIRCULATING	PUMP
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>5, 14E'T-3N'5D</u>
<u>Condition</u> Block wall lateral restraint is not in state.	contact with block wall and is	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 CR# (If applicable): <u>2012-109</u>	o <u> </u>	Yes 🖾 No
Prepared by: <u>Ryan Rymarczyk</u> Li	Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	Lin Band Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 30 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-30</u>	Originating SW	C/AWC: <u>AWC-18</u>
Equipment ID No.: <u>N/A</u>	Equip. Class:	<u>N/A</u>
Equipment Description: <u>N/A</u>	· · ·	
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>5, <i>Near AC-5A; AC-5B;</i></u> <u>HCV-478; AC-8</u>

Condition

Block wall lateral restraint is not in contact with block wall and is possibly not restraining block wall in current state.

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 applic	able): <u>2012-10915</u>			
Prepared by:	Ryan Rymarczyk BBC	•	Date _	10/11/2012
	Licensing Basis Review	er		
Reviewed by:	Kevin Bessell Kin Bard		Date _	10/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 31 OF 67

Sheet	1	of 1	
-------	---	------	--

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-31</u> Originati	ng SWC/AWC: <u>AWC-19</u>
Equipment ID No.: <u>N/A</u> Equip. C	lass: <u>///</u>
Equipment Description: <u>N/A</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u>	Room, Area <u>7, <i>Near CH-193; LCV-218-</i></u> <u>3; CH-172</u>
Condition Cart on wheels with tools and chemical cleaners on it cour Documents Reviewed N/A, CR initiated. Licensing Basis N/A, CR initiated. Evaluation N/A, CR initiated.	ld roll and strike safety related equipment.
Conclusion Condition Meets the Licensing Basis:	🗌 Yes 🛛 No
CR# (If applicable): <u>2012-10916</u>	
Prepared by: <u>Ryan Rymarczyk Brade</u> Licensing Basis Review	Date <u>10/11/2012</u> wer
Reviewed by: <u>Kevin Bessell Lin Bard</u> Peer Reviewer	Date <u>10/12/2012</u>
Peer Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 32 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-32</u>	Originating SWC/AWC: <u>AWC-20</u>	
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>	<u> </u>
Equipment Description: <u>N/A</u>		
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 securely tied down, therefore it could possibly strike safety related equipment during seismic event.

Documents Reviewed

N/A, CR initiated.

Licensing Basis

N/A, CR initiated.

Evaluation

N/A, CR initiated.

Conclusion Condition Meets the Licensing Basis:	🛛 No
CR# (If applicable): <u>2012-10917</u>	
Prepared by: <u>Ryan Rymarczyk BBuc</u>	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
Reviewed by: Kevin Bessell Kin Band	Date

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 33 OF 67

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-33</u> Originating SWC/A	AWC: <u>AWC-19</u>
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>	<u>1</u>
Equipment Description: <u>_N/A_</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u>	Room, Area <u>7, <i>Near CH-193; LCV-218-</i></u> 3; CH-172
Condition	,
Concrete pitting near support.	
Documents Reviewed	,
N/A, CR initiated.	
Licensing Basis	· · · ·
N/A, CR initiated.	Ň
Evaluation	
N/A, CR initiated.	:
· · ·	
<u>Conclusion</u> Condition Meets the Licensing Basis: Yes	s 🛛 No
CR# (If applicable): <u>2012-10919</u>	
Prepared by: <u>Ryan Rymarczyk Base</u>	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
II R.	Date <u>10/12/2012</u>
Reviewed by: <u>Kevin Bessell</u> Peer Reviewer	

.

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 34 OF 67

		LICEN	ISING BASIS EVALUATION FORM
Sheet 1 of 1			
Licensing Basis (LB) Evaluati	on Form		
LB Evaluation No.: <u>LB-34</u>	Originating SV	VC/AWC: <u>SWC-6</u>	0
Equipment ID No.: <u>AC-4B</u>	Equip. Class:	21, TANKS AND H	HEAT EXCHANGERS
Equipment Description: <u>SHUTDOWN CC</u>	OLING HEAT EXC	HANGER	
Location: Bldg. <u>AUX</u> Floo	r El. <u>994'</u>	Room, Area	<u>15, 13W'E-17S'7A</u>
Condition			
Missing chunks of concrete around anchors a	and anchors possib	ly cut negating capa	abilities of anchorage.
Documents Reviewed			
N/A, CR initiated.			
Licensing Basis			
N/A, CR initiated.			
Evaluation N/A, CR initiated.			
			-
Conclusion Condition Meets the Licen	sing Basis:	Yes 🛛 No)
CR# (If applicable): <u>2012-11039</u>			
\overline{R}	rl		Date 10/11/2012
Prepared by: <u>Ryan Rymarczyk</u> B	Basis Reviewer		
	-		
Reviewed by: <u>Kevin Bessell</u>	1		Date <u>10/12/2012</u>
Peer Rev	viewer		

.

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 35 OF 67

		LICENSING BASIS EVALUATION FO	RM
Sheet 1 of 1			
Licensing Basis (LB) Evalua	ition Form		
LB Evaluation No.: <u>LB-35</u>	Originating SWC//	AWC: <u>AWC-22</u>	
Equipment ID No.: <u>Ì//A</u>	Equip. Class: <u>N/</u>	<u>A</u>	
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>AUX</u> FI	oor El. <u>989'</u>	Room, Area <u>18, <i>Near HCV-2877A; HC</i> 2880A; HCV-2893</u>	<u> 2V-</u>
Condition		· · · · · · · · · · · · · · · · · · ·	
Unsecured chains from hoist are located u	insecured near AC-1C and	d AC-1D.	
Documents Reviewed N/A, CR initiated.			
Licensing Basis N/A, CR initiated.			
<u>Evaluation</u> N/A, CR initiated.			
Conclusion Condition Meets the Lic	ensing Basis:	s 🛛 No	
CR# (If applicable): <u>2012-11041</u>		1	
Prepared by: <u>Ryan Rymarczyk</u> B-1 Licensing	g Basis Reviewer	Date <u>10/11/2012</u>	
Reviewed by: <u>Kevin Bessell</u> Peer F	Reviewer	Date <u>10/12/2012</u>	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 36 OF 67

		LICENSING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB) Ev	aluation Form	
LB Evaluation No.: <u>LB-36</u>	Originating SW	C/AWC: <u>AWC-29</u>
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>N/A</u>	
Equipment Description: <u>N/A</u>		
Location: Bldg. <u>AUX</u>	Floor El. <u>971'</u>	Room, Area <u>21, <i>Near HCV-2917; HCV-</i></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 Licensing Basis:	Yes 🛛 No
CR# (If applicable): <u>2012-1127</u>	7	
Prepared by: <u>Ryan Rymarczyk</u> Lic	B-B-C censing Basis Reviewer	Date <u>10/11/2012</u>
	B	Date <u>10/12/2012</u>

Reviewed by: Kevin Bessell

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 37 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

LB Evaluation No.: <u>LB-37</u>	Originating SWC/A	WC: <u>AWC-30</u>
Equipment ID No.: <u>P/B-249C</u>	Equip. Class: <u>///A</u>	
Equipment Description: <u>N/A</u>		
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 support posts are severely corroded and need to be replaced.

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>2012-11879</u>	
Prepared by: <u>Ryan Rymarczyk B-B-R</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 38 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form

LB Evaluatio	n No.: <u>LB-38</u>	Originating SWC/A	WC: <u>AWC-30</u>	
Equipment II	D No.: <u>WD-1</u>	Equip. Class: <u>N/A</u>		
Equipment D	Description: <u>N/A</u>			
Location:	Bldg. <u>CONT</u>	Floor El. <u>1013'</u>	Room, Area <u>Cont., Near B/LT-911;</u> B/PT-913	

Condition

There was no tag identified for scaffolding around tank WD-1. Scaffolding could cause interaction issues with adjacent equipment.

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>2012-11880</u>	
Prepared by: <u>Rvan Rymarczyk Borbec</u>	Date
Licensing Basis Reviewe	r
Reviewed by: Kevin Bessell Kin Burd	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 39 OF 67

-

	LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	-
Licensing Basis (LB) Eva	luation Form
LB Evaluation No.: <u>LB-39</u>	Originating SWC/AWC: <u>AWC-30</u>
Equipment ID No.: <u>A/LT-911</u>	Equip. Class: <u>18, INSTRUMENT RACKS</u>
Equipment Description: <u>STEAM G</u>	ENERATOR RC-2A WIDE RANGE LEVEL TRANSMITTER
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	
Hanging light from a flexible rod pose	s a seismic interaction concern with 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): <u>2012-11973</u>	
Prepared by: <u>Ryan Rymarczyk BBC</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 40 OF 67

			LICENSING BASIS EVALUATION FORM
Sheet 1 of 1	·		
Licensin	g Basis (LB) Eva	luation Form	
LB Evaluation	on No.: <u></u>	Originating SV	NC/AWC: <u>AWC-3</u>
Equipment ID No.: <u>N/A</u>		Equip. Class: <u>///A</u>	
Equipment I	Description: <u>N/A</u>		
Location:	Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>19, <i>Near FW10; FW172;</i></u> <u>FCV-1369</u>

Condition

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 piping.

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 applic	able): <u>2012-12399</u>			
Prepared by:	Ryan Rymarczyk B Bul		Date _	10/11/2012
	Licensing Basis Review	er		х. Х
Reviewed by:	Kevin Bessell Kin Burd		Date _	10/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 41 OF 67

LICENSING	BASIS	EVALUATION	FORM
-----------	-------	------------	------

Sheet 1 of 1	<u>, , , , , , , , , , , , , , , , , , , </u>
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-41</u> Originating SWC/AWC: <u>AI</u>	WC-3
Equipment ID No.: <u>N/A</u> Equip. Class: <u>N/A</u>	
Equipment Description: <u>N/A</u>	
Location: Bldg. <u>AUX</u> Floor El. <u>989'</u> Room, A	Area <u>19, <i>Near FW10; FW172;</i></u> 89
Condition	
Substance was found accumulated 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 Meets the Licensing Basis: Yes] No
CR# (If applicable): <u>2012-12400</u>	
Prepared by: <u>Ryan Rymarczyk Brac</u> Licensing Basis Reviewer	Date
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>
Peer Reviewer	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 42 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-42</u>	Originating SWC/A	AWC: <u>AWC-20</u>	
Equipment ID No.: <u>N/A</u>	Equip. Class: <u>///A</u>		
Equipment Description: <u>N/A</u>			
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>4, <i>Near AC-1A; HCV-484;</i></u> HCV-497; HCV-489B	

Condition

Spatial interaction observed between pipe and column near AC-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:	🛛 No
CR# (If applicable): <u>2012-12404</u>	
Prepared by: <u>Ryan Rymarczyk Basis</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: Kevin Bessell Kin Bard	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 43 OF 67

.

			LICEN	SING BASIS EVAL	JATION FOR
Sheet 1 of 1				·	
Licensing Basis (LB) Ev	aluation Form				
LB Evaluation No.: <u>LB-43</u>	Originating	SWC/A	WC: <u>AWC-1</u>	9	
Equipment ID No.: <u>N/A</u>	Equip. Cla	ss: <u>N/A</u>			
Equipment Description: <u>N/A</u>					
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>		Room, Area _. <u>3; CH-172</u>	7. Near CH-193	<u>; LCV-218</u>
Condition					
Electrical chords hanging over area	could pose fire hazard.	۰.			
Documents Reviewed					
N/A, CR initiated.					
Licensing Basis					
N/A, CR initiated.					
Evaluation					
N/A, CR initiated.					
· · · · , • · · · · · · · · · · · · · ·					
Conclusion Condition Meets th	ne Licensing Basis:	🗌 Yes	🛛 No).	,
CR# (If applicable): <u>2012-12403</u>	3	,			
Prepared by: <u>Ryan Rymarczyk</u> 7	Bil			Date <u>10/11/</u>	2012
	ensing Basis Reviewe	r			
Reviewed by: Kevin Bessell	But	۱	·	Date <u>10/12/</u>	2012
F	Peer Reviewer			· .	
				. /	
· .					

•

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 44 OF 67

, 		LICENSING BASIS EVALUATION FO
Sheet 1 of 1		
Licensing Basis (LB) Ev	valuation Form	
LB Evaluation No.: <u>LB-44</u>	Originating SWC/	AWC: <u>AWC-18</u>
Equipment ID No.: <u>JB1301A</u>	Equip. Class: _ <i>N</i> /	<u>/A</u>
Equipment Description: <u>N/A</u>		· · · ·
Location: Bldg. <u>AUX</u>	Floor El. <u>989'</u>	Room, Area <u>5, <i>Near AC-5A; AC-5B;</i></u> <u>HCV-478; AC-8</u>
Condition		
Spatial interaction observed betwee	n pipe and junction box JB1301.	A.
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis		
N/A, CR initiated.		
Evaluation	·	
N/A, CR initiated.		
Conclusion Condition Meets t	he Licensing Basis: 🔲 Ye	s 🛛 No
CR# (If applicable): <u>2012-12402</u>	2	
Prepared by: <u></u>	BrBil	Date
Lic	ensing Basis Reviewer	
Reviewed by: <u>Kevin Bessell</u>	1. Bud	Date <u>10/12/2012</u>
	Peer Reviewer	· · · · · · · · · · · · · · · · · · ·

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 45 OF 67

LICENSING	BASIS	EVALU	JATION	FORM
-----------	-------	-------	--------	------

Sheet 1 of 1	
Licensing Basis (LB) Evaluation Form	
LB Evaluation No.: <u>LB-45</u> Originating SWC	C/AWC: <u>AWC-17</u>
Equipment ID No.: <u>///A</u> Equip. Class: <u>/</u>	V/A
Equipment Description: <u>N/A</u>	,
_ocation: Bldg. <u>AUX</u> Floor El. <u>989'</u>	Room, Area <u>6, <i>near</i> CH-1A; HCV-</u> 474
Condition	
Table with tools is unsecured and ladder is laying in red zone.	
Documents Reviewed	
V/A, CR initiated.	
Licensing Basis	
V/A, CR initiated.	,
Evaluation	
V/A, CR initiated.	
Conclusion Condition Meets the Licensing Basis:	es 🛛 No
CR# (If applicable): <u>2012-12401</u>	
Prepared by: <u>Ryan Rymarczyk B-B-R</u>	Date <u>10/11/2012</u>
Licensing Basis Reviewer	
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>
Peer Reviewer	
· · · · · · · · · · · · · · · · · · ·	
· · ·	
	•
,	

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 46 OF 67

		LICENSING BASIS EVALUATION FORM
Sheet 1 of 1		
Licensing Basis (LB) Evalua	tion Form	· .
LB Evaluation No.: <u>LB-46</u>	Originating SWC/	AWC: <u>AWC-27</u>
Equipment ID No.: <u>///A</u>	Equip. Class: <u>N</u>	<u>/A</u>
Equipment Description: <u>N/A</u>		
Location: Bldg. <u>AUX</u> Fle	oor El. <u>1007'</u>	Room, Area <u>26, Near CH-115; CH-143;</u> <u>CH-4A</u>
Condition		
Bent hanger rod supporting line.		· · · · · · · · · · · · · · · · · · ·
Documents Reviewed		
N/A, CR initiated.		
Licensing Basis N/A, CR initiated.		
Evaluation		
N/A, CR initiated.		
Conclusion Condition Meets the Lice	ensing Basis: 🔲 Ye	s 🛛 No
 CR# (If applicable): <u>2012-12405</u>		
Prepared by: <u>Ryan Rymarczyk</u>	Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u> Peer R	Reviewer	Date <u>10/12/2012</u>

۰,

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 47 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

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</u>	I BATTERY NO. 1
Location: Bldg. <u>AUX</u> Floor B	El. <u>1012'</u> Room, Area <u>54, 9W'C-15N'7B</u>

.

Condition

Missing plant documentation during the walkdown to verify anchorage configuration.

Documents Reviewed

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> </u>
Conclusion	Condition Meets the Licensing Basis:	🛛 Yes	🗌 No	
CR# (If applic	able): <u>N/A</u>			
Prepared by:	Rvan Rymarczyk BBC		Da	te <u>10/11/2012</u>
	Licensing Basis Review	er		
	II B.		Da	te 10/12/2012

Reviewed by: Kevin Bessell

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 48 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

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 BATTER</u>	Y CHARGER NUMBER 1
Location: Bldg. <u>AUX</u> Floor	El. <u>1011'</u> Room, Area <u>56, 9W'C-13N'6D</u>

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.

Conclusion	Condition Meets the Licensing Basis:	🛛 Yes	No No	
CR# (If applic	able): <u>N/A</u>			
Prepared by:	<u>Ryan Rymarczyk</u> Basis Review	er	Date _	10/11/2012
Reviewed by:	Kevin Bessell Kin Band		Date _	10/12/2012

EA12-021, Rev. 0 **ATTACHMENT 11.5** PAGE 49 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-49</u>	Originating SWC/AWC: <u>SWC-58</u>	
Equipment ID No.: <u>NI-001-DA1</u>	Equip. Class: <u>20, INSTRUMENTATION AND CONTROL</u>	
Equipment Description: <u>INSTRUMENT M</u>	ODULE FOR NUETRON FLUX MONITORING	
Location: Bldg. <u>AUX</u> Floor	El. <u>1013'</u> Room, Area <u>57, Al-212</u>	

Condition

Missing plant documentation during the walkdown to verify anchorage configuration.

Documents Reviewed

D-4166 (File#22677)

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.

Conclusion	Condition Meets the Licensing Basis:	🛛 Yes	No No	,
CR# (If applic	able): <u>N/A</u>			
Prepared by:	<u>Ryan Rymarczyk BBB</u> Licensing Basis Review	ver	Date _	10/11/2012
Reviewed by:	Kevin Bessell Lin Bard		Date _	10/12/2012

EA12-021, Rev. 0 **ATTACHMENT 11.5 PAGE 50 OF 67**

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-50</u>	Originating SWC/AWC: <u>S</u>	WC-15	
Equipment ID No.: <u>EE-4S</u>	Equip. Class: <u>4, TRANSFC</u>	DRMERS	
Equipment Description: <u>INVERTER #1, EE-8P BYPASS TRANSFORMER</u>			
Location: Bldg. <u>AUX</u> Floor	El. <u>1011'</u> Room, A	Area <u>56, 0W'C-11N'6D</u>	

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 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 applic	able): <u>N/A</u>		1
Prepared by:	Ryan Rymarczyk B-B-C		Date <u>10/11/2012</u>
	Licensing Basis Reviewe	er	
	IL B.		Date <u>10/12/2012</u>

Reviewed by: Kevin Bessell

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 51 OF 67

LICENSING BASIS EVALUATION FORM

Date 10/12/2012

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-51</u>		Originating SV	/C/AWC: <u>SWC-50</u>
Equipment ID No.: <u>EE-8H</u>		Equip. Class: _	16, BATTERY CHARGERS AND INVERTERS
Equipment I	Description: <u>INSTRUM</u>	IENT BUS "A" INVERTER	<u>"A"</u>
Location:	Bldg. <u>AUX</u>	Floor El. <u>1011'</u>	Room, Area <u>56, 7W′C-6N′6D</u>

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 applic	able): <u>///</u>		
Prepared by:	Rvan Rymarczyk BBC		Date <u>10/11/2012</u>
	Licensing Basis Review	er	

Reviewed by: Kevin Bessell

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 52 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u></u>	Originating SWC/AWC: <u>SWC-57</u>
Equipment ID No.: <u>PI-2855-1</u>	Equip. Class: <u>18, INSTRUMENT RACKS</u>
Equipment Description: <u>RAW WATER PU</u>	MP AC-10B DISCHARGE PRESSURE INDICATOR
Location: Bldg. <u>INTAKE</u> Floor	El. <u>998'</u> 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

The licensing basis associated with the identified condition is the plant licensed design documents provided above used for configuration verification of the installed anchorage.

١

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:	X Yes	🗌 No	
CR# (If applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk BBC		Date _	10/11/2012
	Licensing Basis Review	er		
Reviewed by:	Kevin Bessell Kin Band		Date _	10/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 53 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1		
Licensing Basis (LB) E	valuation Form	
LB Evaluation No.: <u>LB-53</u>	Originating SW	/C/AWC: <u>AWC-12</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>994'</u>	Room, Area <u>Middle Basement Room,</u> <u>Near AC-10B; HCV-2875A; PI-2855-</u> <u>1</u>
Condition Wooden stairs possibly extra trans	sient fire load to building. Work	r is 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	the Licensing Basis:	Yes 🔲 No
CR# (If applicable): <u>///</u>		
Prepared by: <u>Ryan Rymarczy</u> L	k B-B-C icensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell</u>	<u>L. B.</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 54 OF 67

LICENSING BASIS EVALUATION FORM

Sheet	1	of	1
-------	---	----	---

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-54</u>	Originating SWC/AWC: <u>AWC-13</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>994'</u> Room, Area <u>South Basement Room,</u> <u>Near HCV-2874A</u>		

Condition

Wooden stairs possibly extra transient fire load to building. Work is 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 the Licensing Basis:	🛛 Yes	🗌 No	
CR# (If application	able): <u>///</u>			
Prepared by:	Ryan Rymarczyk Basis Reviewe	er	Date	10/11/2012
Reviewed by:	Kevin Bessell Kin Bard		Date _	10/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 55 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

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: <u>MAIN STEAM ATM</u>	OSPHERIC DUMP VALVE
Location: Bldg. <u>AUX</u> Floor I	El. <u>_1044'</u> Room, Area <u>_81, 10W'D-10S'5B</u>

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.

Conclusion	Condition Meets the Licensing Basis:	X Yes	No No	
CR# (If applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk B-B-C	·	Date _	10/11/2012
	Licensing Basis Review	er		
			Date	10/12/2012

Reviewed by: Kevin Bessell King Ban

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 56 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluatio	n No.: <u></u>	Originating SWC/AWC: <u>SWC-40</u>	
Equipment II	D No.: <u>HCV-1107B</u>	Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>	
Equipment D	Description: <u>STEAM</u>	SENERATOR RC-2A AUXILIARY FEEDWATER INLET VALVE	
Location:	Bldg <i>AUX</i> _	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.

Evaluation

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 applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk B-B-C Licensing Basis Review	er	Date _	10/23/2012
Reviewed by:	Kevin Bessell Kin Burd Peer Reviewer		Date _	10/23/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 57 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

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: <u>SPENT FUEL PO</u>	OL CIRCULATING PUMP
Location: Bldg. <u>AUX</u> Floor	El. <u>989'</u> Room, Area <u>5, 10E'T-3N'5D</u>

Condition

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.

Documents Reviewed

789A701 SH.2 (File#10331)

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

Although the vendor configuration recommends one condition, the as-installed condition matches what is provided in the plant design basis document referenced above, therefore the equipment is in conformance with the current licensing basis.

<u>Conclusion</u> Condition Meets the Licensing Basis: 🛛 Yes	□ No
CR# (If applicable): _ <u>N/A</u>	
Prepared by: <u>Ryan Rymarczyk BBAC</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u>	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 58 OF 67

Sheet 1 of 1

LICENSING BASIS EVALUATION FORM

Licensing Basis (LB) Evaluation Form

.

LB Evaluation No.: <u>LB-58</u>	Originating SWC/A	WC: <u>SWC-93</u>
Equipment ID No.: <u>AC-5B</u>	Equip. Class: <u>5</u>	`
Equipment Description: <u>SPENT FUEL</u>	L POOL CIRCULATING PU	MP
Location: Bldg. <u>AUX</u> F	Floor El. <u>989'</u>	Room, Area <u>5, 14E'T-3N'5D</u>

Condition

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.

Documents Reviewed

789A701 SH.2 (File#10331)

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

Although the vendor configuration recommends one condition, the as-installed condition matches what is provided in the plant design basis document referenced above, therefore the equipment is in conformance with the current licensing basis.

Conclusion Condition Meets the Licensing Basis: X	es 🗌 No
CR# (If applicable): <u>N/A</u>	
Prepared by: <u>Ryan Rymarczyk Brac</u> Licensing Basis Reviewer	Date <u>10/11/2012</u>
Reviewed by: <u>Kevin Bessell Kin Band</u> Peer Reviewer	Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 59 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation	on No.: <u>LB-59</u>	Originating SV	VC/AWC: <u>SWC-37</u>
Equipment I	D No.: <u>LCV-218-3</u>	Equip. Class:	7, PNEUMATIC-OPERATED VALVES
Equipment [Description: <u>CHRG P</u>	JMPS CH-1A,B&C SUCT F	HDR SAFETY INJ & BORIC ACID SUPPLY VLV
Location:	Bldg. <u>AUX</u>	Floor El. <u>992'</u>	Room, Area <u>7, <i>45W'T-2N'7B</i></u>

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): <u>N/A</u>				
Prepared by:	Ryan Rymarczyk B-B-C		Date _	10/11/2012
	Licensing Basis Review	er		
Reviewed by:	Kevin Bessell King Bard		Date _	10/12/2012



EA12-021, Rev. 0 **ATTACHMENT 11.5** PAGE 60 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-60</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: <u>SHUTDOWN COOLING HEAT EXCHANGER</u>				
Location: Bldg. <u>AUX</u> Floor B	El. <u>994'</u> Room, Area <u>15, 13W'E-17S'7A</u>			

Condition

Missing plant documentation during the walkdown to verify anchorage configuration.

Documents Reviewed

11405-S-70 (File#16455)

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 applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk BBC		Date _	10/11/2012
	Licensing Basis Review	er		· ·
	I B		Date _	10/12/2012

Reviewed by: <u>Kevin Bessell</u>

EA12-021, Rev. 0 **ATTACHMENT 11.5 PAGE 61 OF 67**

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-61</u>	Originating SWC/AWC: <u>SWC-70</u>				
Equipment ID No.: <u>C/PT-913</u>	Equip. Class: 20, INSTRUMENTATION AND CONTROL PANELS				
Equipment Description: <u>STEAM GENERATOR RC-2A WIDE RANGE PRESSURE TRANSMITTER</u>					
Location: Bldg. <u>CONT</u> Floor	El. <u>1002'</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.

Conclusion Condition	on Meets the Licensing Basis:	🛛 Yes	No No	
CR# (If applicable): <u>N/A</u>				
Prepared by: <u>Ryan F</u>	Rymarczyk 73	ver	Date	10/11/2012
Reviewed by:Kevin E	Bessell Kin Bard		Date _	10/12/2012

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 62 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation	on No.: <u></u>	Originating SWC/AWC: <u>SWC-69</u>			
Equipment I	D No.: <u>C/LT-911</u>	Equip. Class: <u>20, INSTRUMENTATION AND CONTR</u>	<u>OL</u>		
Equipment Description: <u>STEAM GENERATOR RC-2A WIDE RANGE LEVEL TRANSMITTER</u>					
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 applic	able): <u>N/A</u>		
Prepared by:	Ryan Rymarczyk B-B-R- Licensing Basis Reviewe	or	Date <u>10/11/2012</u>
Reviewed by:	Kevin Bessell Kin Burd		Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 **PAGE 63 OF 67**

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation	on No.: <u></u>	Originating SW	C/AWC: <u>SWC-84</u>
Equipment ID No.: <u>HCV-2947</u>		Equip. Class: _	7, PNEUMATIC-OPERATED VALVES
Equipment [Description: <u>LPSI PUM</u>	P SI-1A SUCTION VALVE	E
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 configuration.

Documents Reviewed

6865 SH. 1-9 (File#'s 27754-27762)

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.

Conclusion	Condition Meets the Licensing Basis:	Yes	No No	
CR# (If applic	able): <u>N/A</u>	· ·		
Prepared by:	Ryan Rymarczyk BBC		Date	10/11/2012
	Licensing Basis Review	er .		
	il R		Date	10/12/2012

Reviewed by: <u>Kevin Bessell</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 64 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation No.: <u>LB-64</u>	Originating SWC/AWC: <u>SWC-86</u>
Equipment ID No.: <u>HCV- 305</u>	Equip. Class: <u>7, PNEUMATIC-OPERATED VALVES</u>
Equipment Description: _HPSI Pump SI-2A	& C Discharge Cross Connect Valve
Location: Bldg. <u>AUX</u> Floor E	El. <u>971'</u> Room, Area <u>21, 39W'T-16N'6E</u>

Condition

Missing plant documentation during the walkdown to verify anchorage configuration.

Documents Reviewed

6140 SH. 1 - 13 (File#'s 30417-30429), A-4338 SH. 1 - 3 (File#'s 36961-36963)

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 applic	able): <u>N/A</u>		
Prepared by:	Ryan Rymarczyk BBC		Date <u>10/11/2012</u>
	Licensing Basis Review	er	
Reviewed by:	Kevin Bessell Kin Bar		Date <u>10/12/2012</u>

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 65 OF 67

LICENSING BASIS EVALUATION FORM

Date 10/12/2012

Sheet 1 of 1

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: <u>LPSI PUMP SI-1A</u>	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 applic	able): <u>N/A</u>		
Prepared by:	<u>Ryan Rymarczyk Basis</u> Licensing Basis Review	er	Date <u>10/11/2012</u>

Reviewed by: Kevin Bessell

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 66 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

Licensing Basis (LB) Evaluation Form

LB Evaluation	on No.: <u>LB-66</u>	Originating SWC/	/AWC: <u>SWC-83</u>	
Equipment I	D No.: <u>HCV-2918</u>	Equip. Class:7,	PNEUMATIC-OPERATED VALVES	
Equipment [Description: <u>HPSI PUM</u>	<u>P 2C DISCHARGE ISOLATI</u>	ON VALVE	
Location:	Bldg. AUX	Floor El. 979'	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 applic	able): <u>///</u>			
Prepared by:	Ryan Rymarczyk BBC		Date _	10/11/2012
	Licensing Basis Review	er		
	11 0 1		Date	10/12/2012

Reviewed by: Kevin Bessell King Band

EA12-021, Rev. 0 ATTACHMENT 11.5 PAGE 67 OF 67

LICENSING BASIS EVALUATION FORM

Sheet 1 of 1

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: <u>MOTOR-DF</u>	RIVEN AUX FEED PUMP FW-6 SUCTION FLOW TRANSMITTER
Location: Bldg. <u>AUX</u>	Floor El. <u>993'</u> Room, Area <u>19, 1W'C-4S'4A</u>

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 applic	able): <u>N/A</u>			
Prepared by:	Ryan Rymarczyk B-B-C- Licensing Basis Reviewe	er	Date _	10/11/2012
Reviewed by:	Kevin Bessell Kin Bard Peer Reviewer		Date _	10/12/2012

Peer Review Checklist for SWEL

Instructions for Completing Checklist

This peer review checklist may be used to document the review of the Seismic Walkdown Equipment List (SWEL) in accordance with EPRI 1025286, Section 6: Peer Review. The space below each question in this checklist should be used to describe any findings identified during the peer review process and how the SWEL may have changed to address those findings. Additional space is provided at the end of this checklist for documenting other comments.

1	. Were the five safety functions adequately represented in the SWEL 1 selection?	Y NX
	· Were the five safety functions adequately represented in the OWEE 1 selection?	

Attached is the proposed changes to the safety functions associated with each item listed in the original SWEL.

Response: The SWEL was updated with safety function changes.

Response is accepted

- 2. Does SWEL 1 include an appropriate representation of items having the following sample selection attributes:
 - a. Various types of systems?
 - b. Major new and replacement equipment?
 - c. Various types of equipment?

d. Various environments?

Y⊠ N□

Y⊠ N□

YX N

Y⊠ N□

EA12-021, Rev. 0 ATTACHMENT 11.6 PAGE 2 OF 7

Peer Review Checklist for SWEL

e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program?

There is confusion on which program equipment set to use. Presently not all items are in the IPEEE. Other documents share information. Some items in the list are not analyzed in the IPEEE.

Response: As explained in the Submittal Report EA12-021 which discusses the development of the SWEL, Section 6.0, the SWEL is based on the USI A-46 SSEL augmented by additional equipment listed in the IPEEE table which was not included in the A-46 listing. There are items in the IPEEE which are not on the A-46 SSEL but were considered in the selection of items for the SWEL 1 listing. So, the A-46 SSEL, which was used as the Base List, was enhanced by the IPEEE program as intended.

Response is accepted

f. Were risk insights considered in the development of SWEL 1?

Specific discussion on risk insights are not included on selection table. No indication of risk worth was provided as part of the review package

Response: Risk insights were considered but risk avoidance worth (RAW) was not included on the SWEL itself. Risk worth is unknown for each item on the list and the development of RAW values for the entire list would require significant new analyses. Section 6.1 of the Submittal Report EA12-021 discusses the use of risk insights in developing the SWEL as follows:

To ensure that risk significant items were included, insights from the Ft. Calhoun PRA were considered. The Fort Calhoun Station (FCS) Probabilistic Risk Assessment (PRA) model includes only simplified modeling of a potential seismic initiating event. The simplified seismic model is used to support plant configuration risk assessments. It is not equivalent to a seismic PRA, and does not meet Regulatory Guide 1.200, Revision 2 with respect to modeling of seismic events. The simplified seismic model is based on a hypothetical seismic event (nominally 0.1g) that is assumed to result in failure of selected equipment that is susceptible to failure at or near the assumed g-level. The model assumes that the seismic event results in unrecoverable loss of off-site power, failure of equipment in the Turbine Building (including Auxiliary Feedwater Pump FW-54), failure of the diesel-driven fire pump in the Intake Structure and failure of all makeup sources to the Emergency Feedwater Storage Tank (EFWST) except Raw Water.

Using the existing PRA model, a list of potential seismic event accident sequences (i.e., cutsets) was generated. The list of importance measures for basic events appearing in the seismic event cutsets were sorted based on the "Risk Achievement Worth, RAW" importance measure. The equipment with the highest importance according to this approach is listed below:

- Diesel Generators (including inlet/exhaust dampers and fuel oil transfer pumps)
- Station Batteries
- Various 4160V Breakers
- Air-Operated Auxiliary Feedwater Valves

Y□ N⊠

Y N

Y⊠ N⊟

 $Y \square N \boxtimes$

Peer Review Checklist for SWEL

- 480V Buses
- Auxiliary Feedwater Pumps FW-10 & FW-6 (including associated equipment)"

This equipment with the highest risk importance was considered in the SWEL development.

Response is accepted

- 3. For SWEL 2:
 - a. Were spent fuel pool related items considered, and if applicable included in SWEL 2?

Some of the Spent Fuel pool items selected are not part of the cooling function associated with SFP cooling. Also the SFP as a component was not selected.

Response: Not all SFP related items were selected. The intent is to select a spectrum of types of equipment not to necessarily only select components associated with the cooling function. On the other hand, the SFP itself was not selected based on the EPRI guidance (EPRI Report 1025286, Seismic Walkdown Guidance For Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic) which states:

"The adequacy of the SFP structure is typically assessed by analysis as a Seismic Category I structure. Therefore, the SFP structure is assumed to be seismically adequate for the purposes of this program."

Response is accepted

b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2?

No justification for the Spent fuel pool was located in the document

Response: See item 3.a., above.

Response is accepted

4. Provide any other comments (Attachment 9.11) related to the peer review of the SWELs.

All further comments attached

Response: Attached comments related to equipment safety function were incorporated.

Response is accepted

5. Have all peer review comments been adequately addressed in the final SWEL?

Y⊠ N⊡

EA12-021, Rev. 0 ATTACHMENT 11.6 PAGE 4 OF 7

Peer Review Checklist for SWEL

DM.fc i Date: 11-8-12 Peer Reviewer #1: Don Pier Ashiers R. Path Date: 11/8/12

Peer Reviewer #2: Ashwin Patel

.

Comment	Resolution
Missing system for item 68-89	Added
Missing room for 91-95	Added
Missing elevation for 91-95	Added
Missing location for 64-95	Added
Item 5: Not sure why MCC- 3B1 has all safety functions listed. The only one I correlate is Containment, unless Habitability is the concern.	Revised
Item 6: 1B3A: Affected Safety functions; 1,2,3, 5. Also affects Spent Fuel Pool Cooling.	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 7: 1B3B: Also affects Spent Fuel Pool Cooling.	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 8: 1B3C: Affected Safety functions; 1, 2.	Revised
Item 9: 1B4A: Also affects Spent Fuel Pool Cooling.	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 10: 1B4B: Affected Safety function; 1, 2, 3, 5.	Revised
Item 11: 1B4C: Also affects Spent Pool Cooling.	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 12: 1A4: Also affects Spent Fuel Pool Cooling.	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 13: 1A3: Affected Safety Function, also affects Spent Fuel Pool Cooling	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 14: 1A4: Affected Safety Function, also affects Spent Fuel Pool Cooling	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 15: EE-4S: No affected safety functions (inverter two is a better choice)	Revised to state no safety function
Item 16: T1B3C: Affected Safety function 1,2.	Revised
Item 17: AC-3A: Affected Safety function 3, 4, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SF item
Item 18: AC-3B: Affected Safety function 3, 4, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SF item

.

)

-

,

,

Comment	Resolution
Item 24: AC-10B: Affected Safety function 3, 4, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 25: AC10D: Affected Safety function 3,4 also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 26: HCV-474: none	Revised to state no safety function
Item 27: Affected safety function, 4 on SDC	Changed to 4 only
Item 30: tcv-493; none	Revised to state no safety function
Item 31: HCV-2874A; Affected safety function 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 32: HCV-2875A; Affected Safety function 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 33: HCV-2877A; Affected Safety function 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE".". New column added to indicate SFP item
Item 34: HCV-2880A; Affected Safety function 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 35: HCV-2893; Affected Safety function 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 36: LCV-218-3; Affected Safety function 1,2,3,	Revised
Item 43; VA-15A; Affected Safety function 5	Revised
Item 44; VA-46A; none	Revised to state no safety function
Item 51:EDG#2; affected Safety function 1,2,3,4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 56; PI-2855-1; Affected Safety functions 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE".". New column added to indicate SFP item

.

Comment	Resolution
Item 58: AC-1A; Affected Safety functions 4,5, also SFP cooling	Revised to add safety fctn, SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". ". New column added to indicate SFP item
Item 60; SFP cooling is decay heat removal? SFP cooling	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 64, 65: AC-100, AC-102; 4, 5 also SFP cooling	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 70-74; Safety function affected 1,2,3.	Revised
Item 75; FP-1B; SFP cooling also.	Revised
Item 80; Safety Function affected 4.	Revised
Item 81-82, 85, 86; Safety Function affected 1,2,3,4	Revised
Item 83-84 Safety Function affected 2,3,4	Revised
Item 86: IA-12; Safety Function affected 2, 3, 4.	Revised
Item 87: AI-33A; Affected Safety function 5.	Revised
Item 88; SI-6A; Affected safety function 3, 4	Revised
Item 90-92; HCV-478; SFP cooling	SFP cooling is not one of the five safety functions defined in ELECTRIC POWER RESEARCH INSTITUTE (EPRI) DRAFT REPORT 1025286, "SEISMIC WALKDOWN GUIDANCE". New column added to indicate SFP item
Item 93, 94; none	RW-262 CHANGED TO NONE

.

,

.

4



Certificate of Achievement

This is to Certify that

John 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

Neil P. Smith, Commonwealth Edison SQUG Chairman

Robert P. Kassawara, EPRI SQUG Program Manager

EA12-021, Rev. ATTACHMENT 11 PAGE 1 OF



Certificate of Achievement

This is to Certify that

Iohn G. Kao

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

ക്ഷ

ക്ര

David A. Freed, MPR Associates SQUG Training Coordinator

Robert P. Kassawara, EPRI SQUG Program Manager

ക

ELECTRIC POWER RESEARCH INSTITUTE EPB

Certificate of Completion

Alex Smerch

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

June 13, 2012

Date

R P Kasanan

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

RPKassana

Robert K. Kassawara EPRI Manager, Structural Reliability & Integrity EA12-021, Rev. ITACHMENT 11 PAGE 4 OF

S (

Certificate of Achievement This is to Certify that

Ashwin R. 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

ATTACHMEN EA12-021,

PAGE

Neil P. Smith, Commonwealth Ediso SQUG Chairman

R.P. Kassawana

Robert P. Kassawara, EPR 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. Starckⁿ, MPR Associate

Jess O. Betlack, MPR Associates Instructor EA12-021, Rev. 1 TACHMENT 11. PAGE 6 OF 1



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**

Dr. Robert P. Kassawara, EPR

TTACHME



EA12-021, Rev. 0 ATTACHMENT 11.7 PAGE 8 OF 8