ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 044</u>	
Equipment ID No. <u>LT-2-3-58A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV LEVEL SCRAM AND PCIS	
Location: Bldg. <u>RB</u> Floor El. <u>280'</u> Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	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?	Y NUUN/A
Attached to rack.	•

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 044</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-58A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV LEVEL SCRAM AND PCIS	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the Item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

SEISMIC WALKDOWN CHECKLIST FORM ATTACHMENT 9.6 Sheet 3 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 044 \_ Equip. Class<sup>1</sup>\_*18* · Equipment ID No. LT-2-3-58A Equipment Description RV LEVEL SCRAM AND PCIS Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could Y⊠ N□ U□ adversely affect the safety functions of the equipment? **Comments** (Additional pages may be added as necessary) Referenced Documents: Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-VY-94411-1 A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 000209 SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks Evaluated by: Marcus Hecht-Nielsen

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

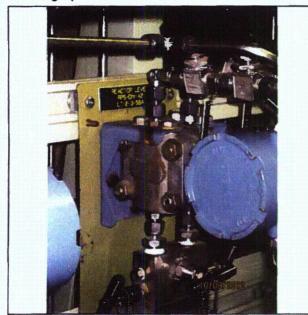
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 044

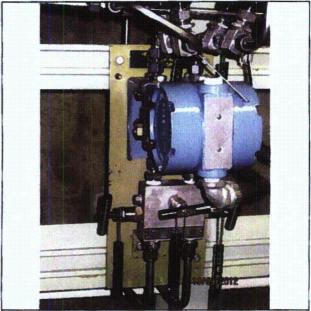
Equipment ID No. <u>LT-2-3-58A</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description RV LEVEL SCRAM AND PCIS

### **Photographs**



Note: LT-2-3-58A



Note: LT-2-3-58A

Engineering Report VTY-RPT-12-00019
Rev. 0

		Nev.	. U
	Page 1	209 of 50	15
 			"

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-58A</u> Equip. Cl	ass <sup>1</sup> <u>18</u>
Equipment Description RV LEVEL SCRAM AND PC	IS
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
•	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 045</u>	
Equipment ID No. <u>LT-2-3-58B</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV LEVEL SCRAM AND PCIS	
Location: Bldg. RB Floor El. 280' Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y⊠ N□
<ol><li>Is the anchorage free of bent, broken, missing or loose hardware?</li></ol>	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface	Y⊠ N□ U□ N/A□
oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
Attached to rack.	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 045	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-58B</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV LEVEL SCRAM AND PCIS	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whanchorage configuration verification is required.)</li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Category Instruments on Racks</li> </ol>	ich
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	f Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y N U U N/A
Are overhead equipment, distribution systems, ceiling tiles and lightiand 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 free of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 SEISMIC WALKDOWN CHECKLIST FORM ATTACHMENT 9.6 Sheet 3 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 045 Equipment ID No. LT-2-3-58B Equip. Class<sup>1</sup>\_18 Equipment Description RV LEVEL SCRAM AND PCIS Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could YN NO U adversely affect the safety functions of the equipment? **Comments** (Additional pages may be added as necessary) Referenced Documents: Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-VY-94411-1 A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 000210 SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks Evaluated by: Marcus Hecht-Nielsen Date: 10-09-2012

Raymond Tworek Raym F Frank 10/18/12

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

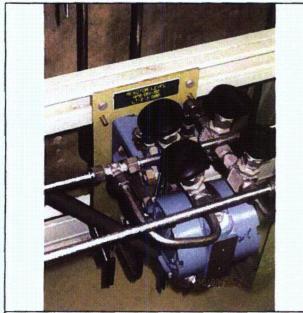
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 045

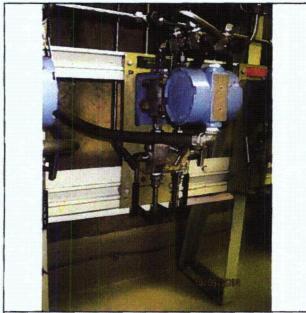
Equipment ID No. LT-2-3-58B Equip. Class<sup>1</sup> 18

Equipment Description RV LEVEL SCRAM AND PCIS

# **Photographs**



Note: LT-2-3-58B



Note: LT-2-3-58B

Engineering Report VTY-RPT-12-00019
Rev. 0
Page 214 ef 505

ATTACHMENT 9.6				SEISMIC WALKDOV	VN CH	ECKLIS	T FORM
Sheet 5 of 5							
				Status:	Y⊠	$N\square$	U
Seismic Walkdo	wn Checklist (SWC)	SWEL1-	045				
Equipment ID No.	LT-2-3-58B	Equip. Class	s¹ <u>18</u>				
Equipment Descrip	otion RV LEVEL SCRAI	M AND PCIS					
	NO PHOTO			NO PHOTO			
Note:			Note:		,		

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 046	
Equipment ID No. <u>PT-2-3-56A</u> Equip. Class 1 18	
Equipment Description RV PRESSURE ECCS	
Location: Bldg. RB Floor El. 280' Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Attached to rack.	Y NU UNAM

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 046	Status: Y⊠ N□ U□
Equipment ID No. <u>PT-2-3-56A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE ECCS	
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for vanchorage configuration verification is required.)</li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Cate, 7 Instruments on Racks</li> </ol>	which
Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structure	os? Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and light 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□
Based on the above seismic interaction evaluations, is equipment of potentially adverse seismic interaction effects?	free Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Solomia Walkdown Charklist (SWC) SWELL 046	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 046	
Equipment ID No. <u>PT-2-3-56A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE ECCS	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conadversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
	T.
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00 SQUG, November 9-13, 1992, Section VB7, Equipment Category	
3QOG, NOVERIDER 9-13, 1992, Section VB7, Equipment Category I	Instruments on nacks
	***************************************
Evaluated by: Marcus Hecht-Nielsen	// Date: <u>10-09-2012</u>
Raymond Tworek Raymond of twork 10/18/1	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

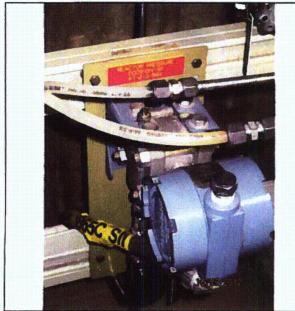
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 046

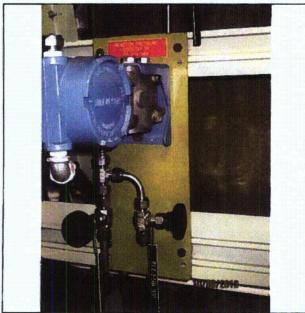
Equipment ID No. <u>PT-2-3-56A</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description RV PRESSURE ECCS

### **Photographs**



Note: PT-2-3-56A



Note: PT-2-3-56A

ATTACHMENT 9.6		SE	ISMIC WALKDOV	VN CHECKLIST FORM
Sheet 5 of 5				
Seismic Walkdown Checklist (SWC)	SWEL1-	046	Status:	Y⊠ N□ U□
Equipment ID No. PT-2-3-56A	Equip. Clas	s <sup>1</sup> _ <i>18</i>		
Equipment Description RV PRESSURE E	ccs			
NO PHOTO			NO PHOTO	
Note:		Note:		
				·

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 047	Status: Y⊠ N□ U□
Equipment ID No. <u>PT-2-3-56C</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE ECCS	
Location: Bldg. <u>RB</u> Floor El. <u>280'</u> Room, Area	THE STATE OF
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkd SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	record the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	m one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Attached to rack.	Y□ N□ U□ N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SE	ISMIC WALKDOWN CHECKLIST FOR
Sheet 2 of 5  Seismic Walkdown Checklist (SWC) SWEL1- 047	Status: Y⊠ N□ U□
Equipment ID No. PT-2-3-56C Equip. Class 1 18	
Equipment Description RV PRESSURE ECCS	
<ol> <li>Is the anchorage configuration consistent with plant documentation?         (Note: This question only applies if the Item is one of the 50% for which anchorage configuration verification is required.)     </li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks</li> </ol>	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	, Y⊠ N□ U□ N/A□
Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 047	<del>-</del> -
Equipment ID No. <u>PT-2-3-56C</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE ECCS	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conadversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
•	
Comments (Additional pages may be added as necessary)	
Referenced Documents:	·
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00 SQUG, November 9-13, 1992, Section VB7, Equipment Category	
Evaluated by: Marcus Hecht-Nielsen	ツス Date: <u>10-09-2012</u>
Raymond Tworek Raymon & Front 10/18/1	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

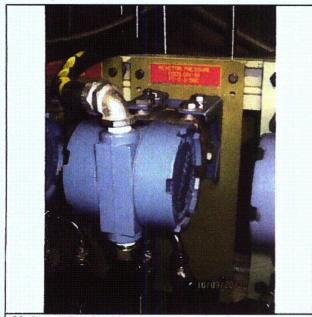
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 047

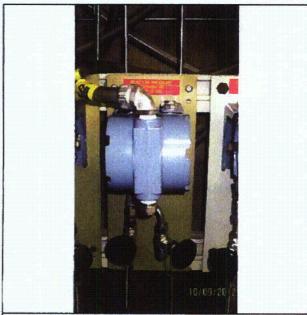
Equipment ID No. <u>PT-2-3-56C</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description RV PRESSURE ECCS

# **Photographs**



Note: PT-2-3-56C



Note: PT-2-3-56C

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWE</u>	_1- 047
Equipment ID No. <u>PT-2-3-56C</u> Equip.	Class <sup>1</sup>
Equipment Description RV PRESSURE ECCS	
NO PHOTO	NO PHOTO
	·
Note:	Note:
·	

J	 			—	~~~	. •
					Rev.	Λ
					IVEV.	. •
		0	200	225	of 50	75
		Г (	コロロ	223	บเบเ	J

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 048	
Equipment ID No. <u>PT-2-3-55C</u> Equip. Class 1 18	
Equipment Description RV PRESSURE SCRAM	
Location: Bldg. <u>RB</u> Floor El. <u>280'</u> Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	YM N U N/A
Is the anchorage free of visible cracks in the concrete near the anchors?     Attached to rack.	Y□ N□ U□ N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 048</u>	
Equipment ID No. <u>PT-2-3-55C</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE SCRAM	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM N U

3

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 048	Status: Y⊠ N□ U□
Equipment ID No. <u>PT-2-3-55C</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE SCRAM	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conditions adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
, , , , , , , , , , , , , , , , , , , ,	
·	
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. Sk	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 0 SQUG, November 9-13, 1992, Section VB7, Equipment Category	
Evaluated by: Marcus Hecht-Nielsen	// Date: <u>10-09-2012</u>
Raymond Tworek Raymon F Front 10/18/1	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 048

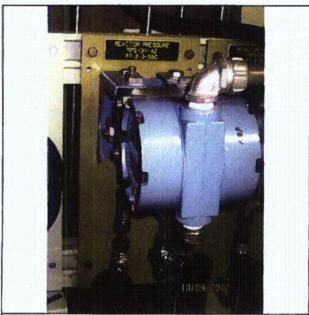
Equipment ID No. PT-2-3-55C Equip. Class 1 18

Equipment Description RV PRESSURE SCRAM

## **Photographs**



Note: PT-2-3-55C



Note: PT-2-3-55C

		110				
Page	229	of	5	0	5	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL</u> 1	Status: Y⊠ N⊡ U⊡ I- 048
Equipment ID No. <u>PT-2-3-55C</u> Equip. Cl	ass <sup>1</sup> _ <i>18</i>
Equipment Description RV PRESSURE SCRAM	
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6 SEI	<u>SMIC WALKDOWN CHECKLIST FORM</u>
Sheet 1 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 049</u>	
Equipment ID No. <u>PT-2-3-55D</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description <u>RV PRESSURE SCRAM</u>	
Location: Bldg. RB Floor El. 280' Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	·
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documential transfer of the space is provided at the end of this checklist for documential transfer of the seismic walkdown of the seismic w	d the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
	•
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YM N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Attached to rack.	Y NU UNAX

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 049	
Equipment ID No. <u>PT-2-3-55D</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE SCRAM	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SQUG, November 9-13, 1992, Section VB7, Equipment Category 7 Instruments on Racks</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 232 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 049</u>	
Equipment ID No. <u>PT-2-3-55D</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV PRESSURE SCRAM	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conadversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-	-VY-94411-1
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00 SQUG, November 9-13, 1992, Section VB7, Equipment Category 2	
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-09-2012</u>
Raymond Tworek Raymond F Troch 10/18/17	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

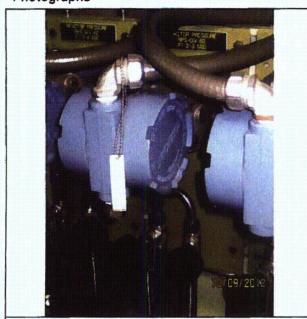
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 049

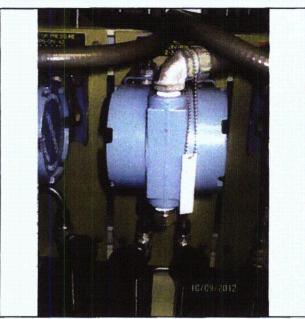
Equipment ID No. PT-2-3-55D Equip. Class 1 18

Equipment Description RV PRESSURE SCRAM

# **Photographs**



Note: PT-2-3-55D



Note: PT-2-3-55D

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 234 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
	Status: Y⊠ N☐ U☐
Seismic Walkdown Checklist (SWC) <u>SWEL1- 04</u>	9
Equipment ID No. <u>PT-2-3-55D</u> Equip. Class <sup>1</sup> _1	18
Equipment Description RV PRESSURE SCRAM	
NO PHOTO	NO PHOTO
Note:	ote:
	·

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 1 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) \_\_SWEL1-\_050 Equip. Class<sup>1</sup> 18 Equipment ID No. LT-2-3-73A Equipment Description RV SHROUD LEVEL, CONT SPRAY PERMISSIVE Floor El. 252' Room, Area Manufacturer, Model, Etc. (optional but recommended) **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)? Y⊠ N□ U□ N/A□ 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 Y⊠ N□ U□ N/A□ oxidation? Y□ N□ U□ N/A⊠ 4. Is the anchorage free of visible cracks in the concrete near the anchors? Equipment has a steel attachment.

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

TTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST FO	
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 050	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-73A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description <u>RV SHROUD LEVEL, CONT SPRAY PERMISSIVE</u>	·
<ol> <li>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.)</li> <li>See drawing 5920-6200</li> </ol>	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□
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□

TACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST	
Sheet 3 of 5	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) SWEL1- 050	Status. TEL NE UE
Equipment ID No. <u>LT-2-3-73A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description RV SHROUD LEVEL, CONT SPRAY PERMISSIVE	/E
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Reference Documents:	
Drawing 5920-6200, Rev. 0  A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	0221
Evaluated by: Marcus Hecht-Nielsen	2012 Date: 10-04-12
Raymond Tworek Raymon & Front 10/18/1-	10-04-12

	Fage 230 01 3
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 050	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-73A</u> Equip. Class 1 18	
Equipment Description RV SHROUD LEVEL, CONT SPRAY	PERMISSIVE
Photographs	
Note: <i>LT-2-3-73A</i>	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5  Seismic Walkdown Checklist (SWC)SWEL	Status: Y⊠ N□ U□
Equipment ID No. <u>LT-2-3-73A</u> Equip. C	
Equipment Description RV SHROUD LEVEL, CONT	T SPRAY PERMISSIVE
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 051</u>	
Equipment ID No. <u>PS-104-53A</u> Equip. Class <sup>1</sup> <u>18</u>	•
Equipment Description SW/PUMP A PRESSURE SWITCH	
Location: Bldg. IS Floor El. 237' Room, Area SW ROO	ОМ
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
<u>Anchorage</u>	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 051	Status: Y⊠ N□ U□
Equipment ID No. <u>PS-104-53A</u> Equip. Class <sup>1</sup> 18	
Equipment Description SWIPUMP A PRESSURE SWITCH	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whi anchorage configuration verification is required.)</li> <li>See calculation 93-09 (SSEL Line No. 000227)</li> </ol>	Y⊠ N□ U□ N/A□ ch
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lightin and masonry block walls not likely to collapse onto the equipment?	g, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	∍ Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 051</u>	
Equipment ID No. <u>PS-104-53A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description SW/PUMP A PRESSURE SWITCH	
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)	
Referenced Documents:	
Calculation 93-09	•
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 000	0227
Evaluated by: Kirit Parikh Courte 10/18/2012	Date: 10/02/2012
Randy Stephens Raul Stephens 10/18	ZOIZ 10/02/2012
The state of the s	1. VI Voice pay 1 am

SEISMIC WALKDOWN CHECKLIST FORM

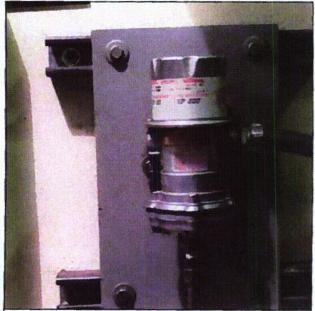
Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 051

Equipment ID No. PS-104-53A Equip. Class<sup>1</sup> 18

Equipment Description SW/PUMP A PRESSURE SWITCH



Note: Pressure Switch ID #PS-104-53A



Note: SW/PUMP A PRESSURE SWITCH

ATTACHMENT 9.6	- 1. Mary 1774 1.	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	- 14 14 1	
Seismic Walkdown Checklist (SW	C) <u>SWEL1- 051</u>	Status: Y⊠ N□ U□
Equipment ID No. PS-104-53A	Equip. Class <sup>1</sup> _18	
Equipment Description SW/PUMP A P	RESSURE SWITCH	
·		
NO PHOTO		NO PHOTO
Normoro		
Note:	Notes	
Note:	Note:	

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 056</u>	
Equipment ID No. <u>TK-55-1A</u> Equip. Class <sup>1</sup> <u>21 - TANKS &amp; HEAT</u>	EXCHANGERS
Equipment Description N2 AIR RECEIVER	
Location: Bldg. RB Floor El. 303' Room, Area NWCR	
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	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL1- 056</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>TK-55-1A</u> Equip. Class 1 <u>21 - TANKS &amp; HEAT</u>	EXCHANGERS
Equipment Description N2 AIR RECEIVER	,
<ol> <li>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.)</li> </ol>	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free     of notentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 247 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 056	
Equipment ID No. <u>TK-55-1A</u> Equip. Class 1 <u>21 - TANKS</u>	& HEAT EXCHANGERS
Equipment Description N2 AIR RECEIVER	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that of adversely affect the safety functions of the equipment?	could Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Note: A gasket, not part of TK-55-1A is lying on a short section of	of pipe between the tank and flange
(see photo page 4). No seismic concern.  Reference Documents:	
A46/IPEEE – SSEL Line No. 000266	
Drawing 5920-5017	
the interest	
Evaluated by: Kirit Parikh Com' Ke 10/18/2012	Date: 10/10/2012
Ran Delation	בוגבאל
Randy Stephens Curch A Tople 10/18	10/10/2012

SEISMIC WALKDOWN CHECKLIST FORM

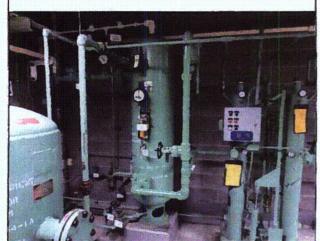
Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 056

Equipment ID No. TK-55-1A Equip. Class 21 - TANKS & HEAT EXCHANGERS

Equipment Description N2 AIR RECEIVER



Note: N2 AIR RECEIVER ID# TK-55-1A



**Note:** Gasket lying on pipe between tank and flange.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Seismic Walkdown Checklist (SWC)SWEL	Status: Y⊠ N□ U□
Equipment ID No. TK-55-1A Equip. Cl	ass <sup>1</sup> <u>21 - TANKS &amp; HEAT EXCHANGERS</u>
Equipment Description N2 AIR RECEIVER	
STATE NO. 0217	NO PHOTO
Note: N2 AIR RECEIVER ID# TK-55-1A	Note:

Page	250	C	ρf	5	0	5

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 058	Status: Y⊠ N□ U□
Equipment ID No. <u>P-10-1D</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description RHR/D RHR PUMP	
Location: Bidg. <u>RB</u> Floor El. <u>213'</u> Room, Area <u>SECR</u>	
Manufacturer, Model, Etc. (optional but recommended) Bingham 16x18x	26 CVIC
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage  1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one YEAR NOWN
2. Is the anchorage free of bent, broken, missing or loose hardware?  One of the bolts on base plate, in extreme left near the wall, is inaccessible due to insulated gaskets around the pipe and scaffoldir built around it. All other bolts are found well secured on base plate. I seismic impact.	
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□

\* CHANGED YES TO NO SINCE ONE OF THE BOLTS
WAS NOT VISIBLE DURING INTECTION JAMEN 10/25/12

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 251 of 505

	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5  Seismic Walkdown Checklist (SWC) <u>SWEL1- 058</u>	Status: Y⊠ N□ U□
Equipment ID No. P-10-1D Equip. Class <sup>1</sup> _06	
Equipment Description RHR/D RHR PUMP	UA-/9/
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whanchorage configuration verification is required.)</li> <li>Ref: Drawing 5920-1611.</li> </ol>	
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□
Are overhead equipment, distribution systems, ceiling tiles and lighting 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 free of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 252 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Calamia Walledown Charleta (CWC) CWELL 050	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 058</u>	
Equipment ID No. <u>P-10-1D</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description RHR/D RHR PUMP	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that co adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
Comments (Additional pages may be added as pages and	
Comments (Additional pages may be added as necessary)	
Reference Documents: Drawing 5920-1611, Sheet 1, Rev.8	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	00279
One of the bolts on base plate is inaccessible due to area scaffold accessible and fully secured on base plate. No seismic impact.	
Evaluated by: Kirit Parikh Daik 10/18/2012	Date: <u>10/11/2012</u>
Randy Stephens Rand Steph 10/1	8/2012 10/11/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 058

Equipment ID No. P-10-1D Equip. Class 06

Equipment Description RHR/D RHR PUMP

#### **Photographs**



Note: RHR/D RHR PUMP ID# P-10-1D



Note: RHR/D RHR PUMP ID# P-10-1D

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 5 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 058

Equipment ID No. P-10-1D Equip. Class 1 06

Equipment Description RHR/D RHR PUMP



Note: RHR/D RHR PUMP ID# P-10-1D



Note: Left rear anchorage near the wall is not visible.

ATTACHMENT 9.6 Si	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 059</u>	
Equipment ID No. <u>V10-65B</u> Equip. Class 1 <u>08A</u>	
Equipment Description RHR/HEAT XC BYPASS MOV	·····
Location: Bldg. RB Floor Ei. 232' Room, Area SECR	
Manufacturer, Model, Etc. (optional but recommended) 20" 300# Globe Va	live with Limitorque SMB-4-200
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to receindings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item or of the 50% of SWEL items requiring such verification)?	ne Y□ N⊠
Is the anchorage free of bent, broken, missing or loose hardware?     In-line valve, no anchorage.	Y NU UU N/A
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y NU UNAM
Is the anchorage free of visible cracks in the concrete near the anchors?	Y_ N_ U_ N/A\

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 256 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5  Seismic Walkdown Checklist (SWC) SWEL1- 059	Status: Y⊠ N□ U□
Equipment ID No. V10-65B Equip. Class 1 08A	
Equipment Description RHR/HEAT XC BYPASS MOV	
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□
Salan kanangan kanan	<del>ngapagan Madalan Kabupatan Kabupata</del>
Interaction Effects	, ,
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 257 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	-
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 059</u>	
Equipment ID No. <u>V10-65B</u> Equip. Class <sup>1</sup> <u>08A</u>	
Equipment Description RHR/HEAT XC BYPASS MOV	
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)	
Reference Documents:	
A46/IPEEE – SSEL Line No. 000281	
·	•
Evaluated by: Kirit Parikh Faike 10/18/2012	Date: 10/11/2012
	1
Bandy Stephens ( andy Stephens 10/18	2012 10/11/2012
, 0	

ATTACHMENT 9.6

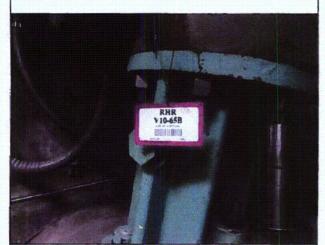
Sheet 4 of 5

Seismic Walkdown Checklist (SWC) SWEL1- 059

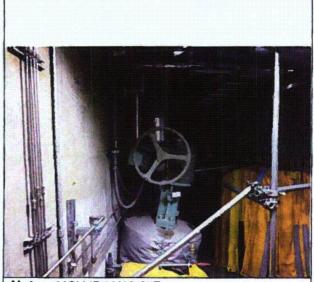
Equipment ID No. V10-65B Equip. Class 1 08A

Equipment Description RHR/HEAT XC BYPASS MOV

### **Photographs**



Note: ID# V10-65B



SEISMIC WALKDOWN CHECKLIST FORM

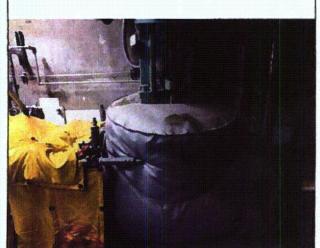
Sheet 5 of 5

Status: Y⊠ N□ U□

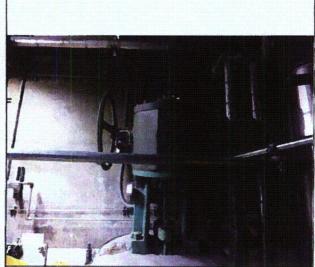
Seismic Walkdown Checklist (SWC) SWEL1- 059

Equipment ID No. V10-65B Equip. Class 1 08A

Equipment Description RHR/HEAT XC BYPASS MOV



Note: MOV ID# V10-65B



Note: MOV ID# V10-65B

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 1 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) <u>SWEL1- 060</u> Equip. Class<sup>1</sup> 08A Equipment ID No. V10-27A Equipment Description RHR/LPCI INJECTION MOV Location: Bldg. RB Floor El. 252' \_\_\_ Room, Area Manufacturer, Model, Etc. (optional but recommended) 24" 600 Series Rockwell Globe Valve **Instructions for Completing Checklist** This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments, **Anchorage** 1. Is the anchorage configuration verification required (i.e., is the item one Y N⊠ of the 50% of SWEL items requiring such verification)? Y□ N□ U□ N/A⊠ 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 Y□ N□ U□ N/A⊠ oxidation?

4. Is the anchorage free of visible cracks in the concrete near the

anchors?

Y□ N□ U□ N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment,

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 261 of 505

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Selsmic Walkdown Checklist (SWC) SWEL1- 060	Status: Y⊠ N□ U□
Equipment ID No. <u>V10-27A</u> Equip. Class <sup>1</sup> <u>08A</u>	
Equipment Description RHR/LPCI INJECTION MOV	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y NU UNAM
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 060	Status: Y⊠ N□ U□
Equipment ID No. V10-27A Equip. Class 1 08A	
Equipment Description RHR/LPCI INJECTION MOV	
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: Marcus Hecht-Nielsen	Date: <u>10-04-2012</u>
Raymond Tworek Raymon F Twol 10/18/12	10-04-2012

	Attachment C	Engineering Report VTY-RPT-12-00019 Rev. 0 Page 263 of 505
ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWEL1- 060	
Equipment ID No. V10-27A E	quip. Class <sup>1</sup> _ <i>08A</i>	
Equipment Description RHR/LPCI INJECTIO	ON MOV	
Photographs		
Note: V10-27A	Note:	NO PHOTO

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 264 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) SWEL	Status: Y⊠ N□ U□
Equipment ID No. <u>V10-27A</u> Equip. C	08A
Equipment Description RHR/LPCI INJECTION MO	
NO PHOTO	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 061	
Equipment ID No. <u>P-8-1C</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description RHRSW/C RHRSW PUMP	
Location: Bldg. <u>RB</u> Floor El. <u>232'</u> Room, Area <u>NECR</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and
Anchorage	
Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
· ·	
4. Is the anchorage free of visible cracks in the concrete near the	Y⊠ N□ U□ N/A□
anchors?	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	<del>,                                    </del>
Seismic Walkdown Checklist (SWC)SWEL1061	Status: Y⊠ N□ U□
Equipment ID No. <u>P-8-1C</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description RHRSW/C RHRSW PUMP	
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for wearchorage configuration verification is required.)</li> <li>See SSEL Line No. 000306 and drawing 5920-3855.</li> </ol>	
Based on the above anchorage evaluations, is the anchorage free option 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□
Are overhead equipment, distribution systems, ceiling tiles and light and masonry block walls not likely to collapse onto the equipment?	ting, 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 fr of potentially adverse seismic interaction effects?	ree YM N U

		1164. O	
Page	267	of 505	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 061	
Equipment ID No. <u>P-8-1C</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description <u>RHRSW/C RHRSW PUMP</u>	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that coundversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
	•
Comments (Additional pages may be added as necessary)	
Reference Documents:	
Drawing 5920-3855	
A46/IPEEE – SSEL Line No. 000306	
Evaluated by: Kirit Parikh Karike 10/18/2012	Date: <u>10/11/2012</u>
Randy Stephens Randy Stylins 101	8 2012 10/11/2012

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 061 Equipment ID No. <u>P-8-1C</u> Equip. Class<sup>1</sup> <u>06</u> Equipment Description RHRSW/C RHRSW PUMP



Note: RHRSW PUMP ID # P-8-1C



ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 061	Status: Y⊠ N□ U□
Equipment ID No. <u>P-8-1C</u> Equip. Class <sup>1</sup> <u>06</u>	
Equipment Description RHRSW/C RHRSW PUMP	
Note: Lower view of RHRSW PUMP ID # P-8-1C	NO PHOTO

ATTACHMENT 9.6 SEISN	IIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC)SWEL1062	Status: Y⊠ N□ U□
Equipment ID No. <u>V10-89A</u> Equip. Class <sup>1</sup> <u>08B</u>	
Equipment Description RHRSW/SW SUPPLY MOV	
Location: Bldg. <u>RB</u> Floor El. <u>232'</u> Room, Area <u>NECR</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record to findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y□ N⊠
Is the anchorage free of bent, broken, missing or loose hardware?      In-line valve, no anchorage.	Y_ N_ U_ N/A\
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A፟፟፟፟
Is the anchorage free of visible cracks in the concrete near the anchors?	Y NUUN/AZ
	·

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 271 of 505 SEISMIC WALKDOWN CHECKLIST FORM

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL1- 062</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>V10-89A</u> Equip. Class <sup>1</sup> <u>08B</u>	
Equipment Description RHRSW/SW SUPPLY MOV	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for white anchorage configuration verification is required.)</li> </ol>	
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	F Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	ng, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	YN UNA
10. Based on the above seismic interaction evaluations, is equipment fre of potentially adverse seismic interaction effects?	e Y⊠ N□ U□

TACHMENT 9.6 SEISMIC WALKDOWN CHECKLE	
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 062</u>	•
Equipment ID No. <u>V10-89A</u> Equip. Class¹_08B	
Equipment Description RHRSW/SW SUPPLY MOV	
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)	·
Reference Documents:	
A46/IPEEE - SSEL Line No. 000312	
•	
Evaluated by: Kirit Parikh Parike 10/18/2012	Date: <u>10/11/2012</u>
Randy Stephens Rowy Styl- 10/18/2	2012 10/11/2012
U	

SEISMIC WALKDOWN CHECKLIST FORM

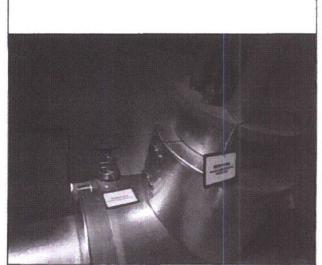
Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 062

Equipment ID No. V10-89A Equip. Class 08B

Equipment Description RHRSW/SW SUPPLY MOV



Note: RHRSW/SW SUPPLY MOV ID # V10-89A



Note: RHRSW/SW SUPPLY MOV ID # V10-89A

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) _	SWEL1- 062	<del>-</del>
Equipment ID No. V10-89A	Equip. Class <sup>1</sup> _ <i>08B</i>	
Equipment Description RHRSW/SW SUPP	LYMOV	
NO PHOTO		NO PHOTO
Note:	Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 063	Status: Y⊠ N□ U□
Equipment ID No. <u>SP-70-3A</u> Equip. Class <sup>1</sup> <u>07</u>	
Equipment Description BACK WASH FLOW CONTROL VALVE	A STATE OF THE STA
Location: Bldg. IS Floor El. 237' Room, Area	SW ROOM
Manufacturer, Model, Etc. (optional but recommended)	·····
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic SWEL. The space below each of the following questions may be us findings. Additional space is provided at the end of this checklist fo	sed to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is t of the 50% of SWEL items requiring such verification)?</li> </ol>	the item one Y N N
Is the anchorage free of bent, broken, missing or loose hard In-line valve, no anchorage.	dware? Y N U N/A
3. Is the anchorage free of corrosion that is more than mild sur oxidation?	rface Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near tanchors?	the Y□ N□ U□ N/A☒

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 276 of 505

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 063	Status: Y⊠ N□ U□
Equipment ID No. <u>SP-70-3A</u> Equip. Class <sup>1</sup> <u>07</u>	
Equipment Description BACK WASH FLOW CONTROL VALVE	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	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? Small light bulb with light fixture hanging above. Fixture is firmly attached to the ceiling. Bulb is very light in weight to damage any component on the switch.	, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM U

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 063	
Equipment ID No. SP-70-3A Equip. Class <sup>1</sup> 07	
Equipment Description BACK WASH FLOW CONTROL 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? Area is clean.	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawing 5920-1811 A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00	0314
Evaluated by: Kirit Parikh   KPaike 10/18/2012	Date: <u>10/02/2012</u>
Bandy Stephens Round Stuff 10/18/	2017 10/02/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

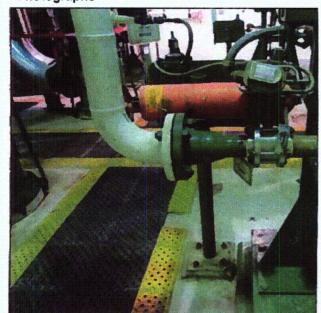
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 063

Equipment ID No. SP-70-3A Equip. Class 1 07

Equipment Description BACK WASH FLOW CONTROL VALVE

#### **Photographs**



Note: ID# SP-70-3A



Note: ID# SP-70-3A

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 5 of 5	
Saiomia Walkdown Chacklist (SWC) SWEL1	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1-</u>	
Equipment ID No. <u>SP-70-3A</u> Equip. Class	s¹ <u>07</u>
Equipment Description <u>BACK WASH FLOW CONTRO</u>	L VALVE
NO PHOTO  Note:	NO PHOTO  Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 064</u>	
Equipment ID No. <u>P-7-1C</u> Equip. Class 1 <u>06</u>	
Equipment Description Intake SW PUMP	
Location: Bldg. IS Floor El. 237" Room, Area SW RO	OOM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N∏ U∏ N/A∏
4. Is the anchorage free of visible cracks in the concrete near the anchors?  The grout pad has cracks, but does not affect seismic performance reliability.	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment-

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 064</u>	Status: Y⊠ N□ U□
Equipment ID No. P-7-1C Equip. Class 1 06	
Equipment Description Intake SW PUMP	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See drawing 5920-3947</li> </ol>	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?  There are some small gaps in the insulation at the connection of the line to the pump, however, not a seismic concern.	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□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 064</u>	
Equipment ID No. P-7-1C Equip. Class <sup>1</sup> 06	
Equipment Description Intake SW PUMP	h
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that co adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3947 and 5920-4602	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	00320
	<del></del>
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-02-2012</u>
- CT / Jalan	,
Raymond Tworek Raywit from 10/18/12	<u>10-02-2012</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5  Seismic Walkdown Checklist (SWC)SWEL1-	
Equipment ID No. <u>P-7-1C</u> Equip. Cla	ss <u>Ub</u>
Equipment Description Intake SW PUMP  Photographs	
Note: <i>P-7-1C</i>	NO PHOTO  Note:

ATTACHMENT 9.6			SEISMIC WALKDOWN CHECKLIST FORI
Sheet 5 of 5			Status, VIV NI III
Seismic Walkdown Checklist (SWC)	SWEL1-	064	Status: Y⊠ N□ U□
Equipment ID No. P-7-1C	Equip. Class	s¹_ <i>06</i>	
Equipment Description Intake SW PUMP			
			:
NO PHOTO			NO PHOTO
		·	
			· .
Note:		Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Octobrio Walledown Obsalalist (OWO) - OWEL 1 - OOF	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1-065	
Equipment ID No. LSO-108-03 / Equip. Class 08-B SOLEN	OID OPERATED VALVES
Equipment Description FUEL OIL TANK VALVE	
Location: Bldg. F.O. Floor El. 242' Room, Area FUE	LOIL TANK
Manufacturer, Model, Etc. (optional but recommended)	2 ACF-70-14-2-24-WKH
Instructions for Completing Checklist	Ida
This checklist may be used to document the results of the Seismic Walk SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the ite of the 50% of SWEL items requiring such verification)?</li> </ol>	m one Y□ N⊠
<ol> <li>Is the anchorage free of bent, broken, missing or loose hardware In-line valve, no anchorage.</li> </ol>	? Y□ N□ U□ N/A⊠
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	KADION OF THE SOLENOW
* PEVILED TO REFLECT ACTUAL WALL VALLE) NOT JUST THE SOLEMOID.	fileeg Lale 10/20/12
	Jan 10/25/12

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 286 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 065	Status: Y⊠ N□ U□
Equipment ID No LSO-108-03 No27 Equip. Class 08-B SOLENOID OF	PERATED VALVES
Equipment Description <u>FUEL OIL TANK VALVE</u>	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)	Y NU 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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 065	Status: Y⊠ N□ U□
Equipment ID No. 250-108-03 Equip. Class 08-B SOLENC	DID OPERATED VALVES
Equipment Description <u>FUEL OIL TANK VALVE</u>	
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Note: Original inspection completed 10/15/2012. Photo taken 10/1	6/2012-
Referenced Documents:  A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00	1
Evaluated by: Kirit Parikh   CPaire 10/18/2012	Date: 10/16/2012
Randy Stephens Roug Stylins 10/18	8/2012 10/16/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 065

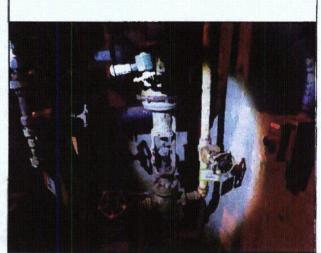
Equipment ID No. 430-108-03 Equip. Class 08-B SOLENOID OPERATED VALVES

Equipment Description FUEL OIL TANK VALVE

**Photographs** 



Note: Fuel Oil TK Valve ID# LSO-108-03



Note: Fuel Oil TK Valve ID# LSO-108-03

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Saismic Walkdown Chacklist (SWC) SWELT	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1	4
Equipment ID No. £SO-108-03 Equip. Cla	ass <sup>1</sup> 08-B SOLENOID OPERATED VALVES
Equipment Description FUEL OIL TANK VALVE	
·	
NO PHOTO	NO PHOTO
NO PHOTO	NO PROTO
·	
Note:	Note:
I	L

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Salamia Walkdown Charlette (SWC) SWELT 000	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 066</u>	
Equipment ID No. <u>FCV-104-28A</u> Equip. Class <sup>1</sup> <u>07 - Fluid Opera</u>	ated Valves
Equipment Description SW/DG Cooling	
Location: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area <u>EDGR.</u>	A
Manufacturer, Model, Etc. (optional but recommended) <u>ACF Industries.</u>	#70-14-2RRT
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdor SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y N U N/A
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⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Page 291 of 505 **ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 2 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 066 Equip. Class<sup>1</sup> 07 - Fluid Operated Valves Equipment ID No. FCV-104-28A Equipment Description SW/DG Cooling 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of  $Y \boxtimes N \square U \square$ potentially adverse seismic conditions? **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? YX N U 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? 9. Do attached lines have adequate flexibility to avoid damage? Y⊠ N□ U□ N/A□ Electrical conduit has flexible line.

10. Based on the above seismic interaction evaluations, is equipment free

of potentially adverse seismic interaction effects?

Y⊠ N□ U□

\*\*

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 066</u>	
Equipment ID No. FCV-104-28A Equip. Class 1 07 - Fluid Open	rated Valves
Equipment Description SW/DG Cooling	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that conditions that conditions that conditions and the professions of the professions and the conditions and the conditions and the conditions are the conditio	uld Y⊠ N□ U□
adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Reference Documents: A46/IPEEE - SSEL Line No. 000324	
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-01-2012</u>
Raymond Tworok Rayn & Front 10/18/12	10-01-12

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) <u>SWEL1- 066</u>

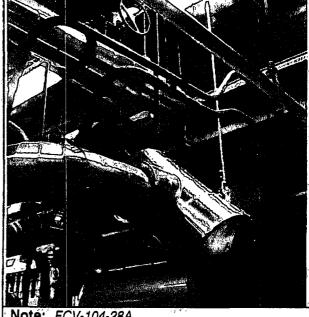
Equipment ID No. FCV-104-28A Equip. Class 1 07 - Fluid Operated Valves

Equipment Description SW/DG Cooling

## **Photographs**



Note: FCV-104-28A



Note: FCV-104-28A

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC)SWEL1-	Status: Y⊠ N□ U□ - 066
Equipment ID No. FCV-104-28A Equip. Cla	ass <sup>1</sup> _07 - Fluid Operated Valves
Equipment Description SW/DG Cooling	
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6	EISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Calanda Walladawa Ohaalda (OWO) OWEL	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 067</u>	
Equipment iD No. <u>V70-20</u> Equip. Class <sup>1</sup> <u>08A - MOTOR Of</u>	PERATED VALVES
Equipment Description SW/TURB BLDG ISOL MOV	
Location: Bldg: RB Floor El. 246' Room, Area TORUS	CW
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to rec findings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)?</li> </ol>	ne Y□ N⊠
	•
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

inginocining i topoit	٧	•	1 -1 (1	1 - 1 4-	0001
					Rev. 0
			Page	296	of 505

	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 067	
Equipment ID No. <u>V70-20</u> Equip. Class <sup>1</sup> <u>08A - MOTOR OPER</u>	RATED VALVES
Equipment Description SW/TURB BLDG ISOL MOV	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y NUUNAX
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□
	V674 A1177 A1177 A1174 TT
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□
	1
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
T. T. C.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Date: 10/10/2012

Page 297 of 505 **ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 3 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) <u>SWEL1-067</u> \_ Equip. Class<sup>1</sup> <u>08A - MOTOR OPERATED VALVES</u> Equipment ID No. V70-20 Equipment Description SW/TURB BLDG ISOL MOV **Other Adverse Conditions** 11. Have you looked for and found no other seismic conditions that could Y⊠ N□ U□ adversely affect the safety functions of the equipment? **Comments** (Additional pages may be added as necessary) Reference Documents: A46/IPEEE - SSEL Line No. 000335 10/18/2012

Evaluated by: Kirit Parikh

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

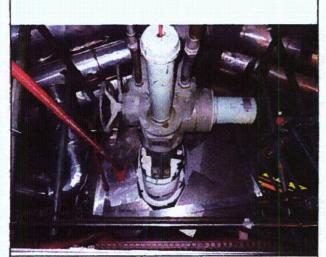
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 067

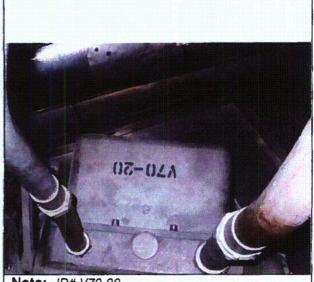
Equipment ID No. <u>V70-20</u> Equip. Class 1 <u>08A - MOTOR OPERATED VALVES</u>

Equipment Description SW/TURB BLDG ISOL MOV

### **Photographs**



Note: ID# V70-20



Note: ID# V70-20

inginiooning report	•	•	•	•	••	•					
								Re			
			Р	a	ae	1	299	of	50	)5	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST	FOR
Sheet 5 of 5		
Seismic Walkdown Checklist (SV	(C) <u>SWEL1- 067</u> Status: Y⊠ N□ U	υ
Equipment ID No. V70-20	Equip. Class¹ <u>08A - MOTOR OPERATED VALVES</u>	
Equipment Description SW/TURB BL	OG ISOL MOV	
NO PHOTO	NO PHOTO	
	IVOTE:	

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 068</u>	
Equipment ID No. <u>TU-1-1A</u> Equip. Class <sup>1</sup> <u>05 - HORIZONTAL</u>	PUMPS
Equipment Description HPCI-HPCI TURBINE	
Location: Bldg. <u>RB</u> Floor El. <u>213'</u> Room, Area <u>HPCI</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown o SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space.	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No grouting under north center and south center mounting points. South east mount is missing grout and the mounting bracket is slightly bent. In reviewing the document SSEL line no. 000353 and its associated calc for HPCI turbine TU-1-1a, page 9 of 9, the interaction ratio for shear = 0.118 and I.R. for bolt pull out = 0.040. Hence the bolts are ok and loss of grout has no seismic impact on it. Ref: CR-VTY-2012-05091	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors? Very small hair line crack in the north east corner of concrete pad: 1:5' from the mounting. No seismic impact. See the comments above in column 1	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 301 of 505

ATTACHMENT 9.6 SEISMIC WALKDOWN CHEC				
Sheet 2 of 5				
Seismic Walkdown Checklist (SWC) SWEL1- 068	Status: Y⊠ N□ U□			
Equipment ID No. <u>TU-1-1A</u> Equip. Class <sup>1</sup> <u>05 – HORIZONTAL</u>	PUMPS			
Equipment Description HPCI-HPCI TURBINE				
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SSEL Line No. 000353 and its associated calculation.</li> </ol>	Y⊠ N□ U□ N/A□			
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□			
Interaction Effects				
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□			
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□			
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□			
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□			

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 3 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) <u>SWEL1- 068</u> Equip. Class<sup>1</sup> <u>05 - HORIZONTAL PUMPS</u> Equipment ID No. TU-1-1A Equipment Description HPCI-HPCI TURBINE **Other Adverse Conditions** 11. Have you looked for and found no other seismic conditions that could YN U adversely affect the safety functions of the equipment? <u>Comments</u> (Additional pages may be added as necessary) Referenced Documents: A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 000353 CR-VTY-2012-05091 Evaluated by: Kirit Parikh ike\_ 10/18/2012 Date: 10/09/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

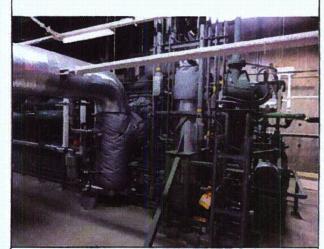
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 068

Equipment ID No. <u>TU-1-1A</u> Equip. Class<sup>1</sup> <u>05 – HORIZONTAL PUMPS</u>

Equipment Description HPCI-HPCI TURBINE

## **Photographs**



Note: HPCI-HPCI TURBINE ID# TU-1-1A



**Note:** North East end anchorage bracket. Missing a small amount of grout.

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 5 of 5

Status: Y⊠ N□ U□

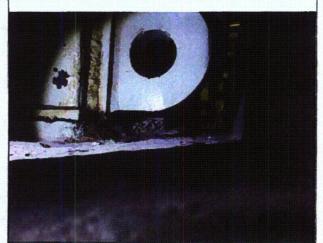
Seismic Walkdown Checklist (SWC) SWEL1- 068

Equipment ID No. <u>TU-1-1A</u> Equip. Class<sup>1</sup> <u>05 – HORIZONTAL PUMPS</u>

Equipment Description HPCI-HPCI TURBINE



Note: North center anchorage.



Note: South East end anchorage.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 069	•
Equipment ID No. <u>DG-1B-INTAKE-1-6</u> Equip. Class <sup>1</sup> <u>0 - OTHER</u>	
Equipment Description DG ROOM VENTILATION/DG ROOM B LOUVER	RS (6 TOTAL)
Location: Bldg. <u>TB</u> Floor El. <u>252'</u> Room, Area <u>EDGR</u>	B (ROOF INTAKE STRUCTURE)
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 306 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 069	
Equipment ID No. <u>DG-1B-INTAKE-1-6</u> Equip. Class <sup>1</sup> <u>0 - OTHER</u>	
Equipment Description DG ROOM VENTILATION/DG ROOM B LOUVERS (6	TOTAL)
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SSEL Line No. 000371 and drawing 5920-9096.</li> </ol>	Y⊠ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  No overhead items near this 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□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 307 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 069</u>	
Equipment ID No. <u>DG-1B-INTAKE-1-6</u> Equip. Class <sup>1</sup> <u>0 - OTHER</u>	
Equipment Description DG ROOM VENTILATION/DG ROOM B LOUVE	RS (6 TOTAL)
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that co adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
<u>Comments</u> (Additional pages may be added as necessary)	
Reference Documents:	
A46/IPEEE – SSEL Line No. 000371 Drawing 5920-9096	
Drawing 3920-9030	
Evaluated by: Kirit Parikh Paite 10/18/2012	Date: <u>10/03/12</u>
Randy Stephens Raudy Stephen 10/1	8/2012 10/03/12

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5  Seismic Walkdown Checklist (SWC) SWEL1- 069  Equipment ID No. DG-1B-INTAKE-1-6 Equip. Class 0 - OTHER	Status: Y⊠ N□ U□
Equipment Description DG ROOM VENTILATION/DG ROOM B LOUV	/ERS (6 TOTAL)
Photographs	
Note: DG-1B-INTAKE-1-6  Note:	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM		
Sheet 5 of 5			
	Status: Y⊠ N⊟ U⊟		
Seismic Walkdown Checklist (SWC) <u>SV</u>	<u>NEL1- 069</u>		
Equipment ID No. <u>DG-1B-INTAKE-1-6</u> Equip. Class <sup>1</sup> <u>0 - OTHER</u>			
Equipment Description DG ROOM VENTILATION	ON/DG ROOM B LOUVERS (6 TOTAL)		
	·		
·			
NO PHOTO	NO PHOTO		
Note:	Note:		

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 070	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-23-110</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description HPCI INST PWR SUPPLY	
Location: Bidg. <u>CB</u> Floor El. <u>272'</u> Room, Area	CONT RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic SWEL. The space below each of the following questions may be usefindings. Additional space is provided at the end of this checklist for	sed to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is to of the 50% of SWEL items requiring such verification)?</li> </ol>	the item one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hard	dware? Y□ N□ U□ N/A⊠
3. Is the anchorage free of corrosion that is more than mild sur oxidation?	rface Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near anchors?	the: Y□ N□ U□ N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 070	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-23-110</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description HPCI INST PWR SUPPLY	
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for wanchorage configuration verification is required.)</li> </ol>	
Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠ N□ U□
7. Are soft targets free from impact by nearby equipment or structures	s? Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and ligh 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□
Based on the above seismic interaction evaluations, is equipment for of potentially adverse seismic interaction effects?	free Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 070</u>	
Equipment ID No. <u>ES-23-110</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description HPCI INST PWR SUPPLY	The second of th
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-2678	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	00401
Evaluated by: Marcus Hecht-Nielsen	/2 Date: <u>10-15-2012</u>
Raymond Tworok Raymon & Track 10/18/12	<u> 10-15-2012</u>

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

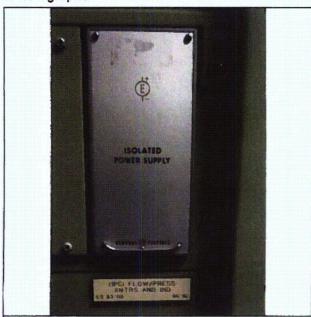
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 070

Equipment ID No. <u>ES-23-110</u> Equip. Class<sup>1</sup> <u>20</u>

Equipment Description HPCI INST PWR SUPPLY

### **Photographs**



Note: ES-23-110



Note: ES-23-110

	Rev. 0
Page 314	of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	Status: Y⊠ N□ U□
,	
Equipment ID No. <u>ES-23-110</u> Equip. CI	ass¹_ <u>20</u>
Equipment Description HPCI INST PWR SUPPLY	
NO PHOTO	NO PHOTO
·	
· · · · · · · · · · · · · · · · · · ·	
Note:	Notes
NOTE:	Note:

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 1 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 071 \_\_ Equip. Class<sup>1</sup> <u>20</u> Equipment ID No. FTA-23-118 Equipment Description HPCI SQ RT CONV-FLOW Location: Bldg. CB Floor El. 272' \_\_ Room, Area CONT RM Manufacturer, Model, Etc. (optional but recommended) Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is the anchorage configuration verification required (i.e., is the item one  $Y \square N \square$ of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Y NU UU N/A 3. Is the anchorage free of corrosion that is more than mild surface Y NU UU N/A oxidation? Y NU UU N/A 4. Is the anchorage free of visible cracks in the concrete near the

anchors?

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Page 316 of 505 **ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 2 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 071 Equip. Class<sup>1</sup>\_20 Equipment ID No. FTA-23-118 Equipment Description <u>HPCI SQ RT CONV-FLOW</u> Y NUU NA 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which ... anchorage configuration verification is required.) 6. Based on the above anchorage evaluations, is the anchorage free of Y⊠ N□ U□ potentially adverse seismic conditions? **Interaction Effects** Y⊠ N□ U□ N/A□ 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?

10. Based on the above seismic interaction evaluations, is equipment free

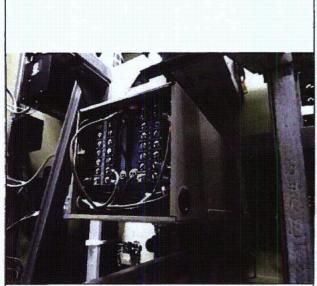
of potentially adverse seismic interaction effects?

Y⊠ N□ U□

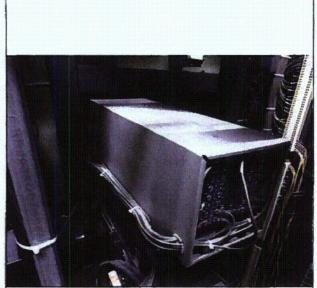
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 5	
Sciemia Walkdown Charlist (SWC) SWELL 071	Status: Y⊠ N U□
Seismic Walkdown Checklist (SWC) SWEL1- 071	
Equipment ID No. <u>FTA-23-118</u> Equip. Class 1 <u>20</u>	
Equipment Description HPCI SQ RT CONV-FLOW	
Other Adverse Conditions	(
11. Have you looked for and found no other seismic conditions tha adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3258	·
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No	o. 000402
·	
	1
Evaluated by: Marcus Hecht-Nielsen	10-15-2012
Raymond Tworek Raymor F Tunk 10/18/1-	10.45.0040
Raymond Tworek Kaymor from 10/18/12	<u>10-15-2012</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 071	
Equipment ID No. <u>FTA-23-118</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description HPCI SQ RT CONV-FLOW	

# **Photographs**



Note: FTA-23-118



ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1</u>	Status: Y⊠ N□ U□ - 071
Equipment ID No. <u>FTA-23-118</u> Equip. Cla	ass <sup>1</sup> _20
Equipment Description HPCI SQ RT CONV-FLOW	
	·
NO PHOTO	NO PHOTO
Note:	Note:
·	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 072	Status: Y⊠ N□ U□
Equipment ID No. ES-23-94 Equip. Class <sup>1</sup> 20	
Equipment Description HPCI/DC/AC INVERTER	
Location: Bidg. <u>CB</u> Floor El. <u>272'</u> Room, Area <u>CON</u>	T RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walko SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for docu	record the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the iter of the 50% of SWEL items requiring such verification)?	m one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	? Y⊠ N□ U□ N/A□
Could not see all the anchors, however, the anchors that were vis were in good condition.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Could not see all the anchors, however, the anchors that were vis were in good condition.	ible
Is the anchorage free of visible cracks in the concrete near the anchors?	Y N U N/A

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 072	Status: Y⊠ N□ U□
Equipment ID No. ES-23-94 Equip. Class <sup>1</sup> 20	
Equipment Description HPCI/DC/AC INVERTER	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y N U N/A 🗵
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM N U

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 322 of 505

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 3 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 072 Equipment ID No. ES-23-94 Equip. Class<sup>1</sup> 20 Equipment Description HPCI/DC/AC INVERTER **Other Adverse Conditions** 11. Have you looked for and found no other seismic conditions that could YX NU UU adversely affect the safety functions of the equipment? **Comments** (Additional pages may be added as necessary) Referenced Documents: Drawings: 5920-3258 A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 000404 //8/2013 Date: 10-15-2012 Evaluated by: Marcus Hecht-Nielsen 10-15-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

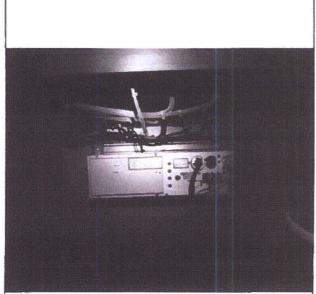
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 072

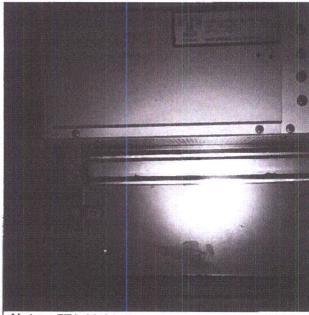
Equipment ID No. ES-23-94 Equip. Class 20

Equipment Description HPCI/DC/AC INVERTER

# Photographs



Note: FTA-23-94



Note: FTA-23-94

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 072	Status: Y⊠ N□ U□
Equipment ID No. ES-23-94 Equip. Class <sup>1</sup> 20	
Equipment Description <u>HPCI/DC/AC INVERTER</u>	
Note: FTA-23-94  Note:	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 078</u>	
Equipment ID No. <u>VG-22A</u> Equip. Class 1 <u>08A - MOTOR C</u>	PERATED VALVES
Equipment Description CAD MOV VENT ISOLATION (OUTBD)	
Location: Bidg. <u>RB</u> Floor El. <u>303'</u> Room, Area <u>NORTH</u>	CENTER
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	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	Y⊠ N□ U□ N/A□
anchors?	· KM 17[1] - CH 17[7]

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 078	Status: Y⊠ N□ U□
Equipment ID No. VG-22A Equip. Class <sup>1</sup> 08A - MOTOR OPE	FRATED VALVES
Equipment Description CAD MOV VENT ISOLATION (OUTBD)	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)	Y□ N□ U□ N/A⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ Ņ□ 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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6 S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 078	Status: Y⊠ N□ U□
•	
Equipment ID No. <u>VG-22A</u> Equip. Class 1 <u>08A - MOTOR OI</u>	PERATED VALVES
Equipment Description CAD MOV VENT ISOLATION (OUTBD)	27-40-34-4
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□
•	<b>,</b>
Comments (Additional pages may be added as necessary)	
Reference Documents:	
A46/IPEEE – SSEL Line No. 000512	
Evaluated by: Kirit Parikh Parike 10/18/2012	Date: <u>10/10/2012</u>
Rough Stalm 10/18/2	2012- 10/10/2012
Randy Stephens V Janes Stephens 10/18/2	10/10/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 078

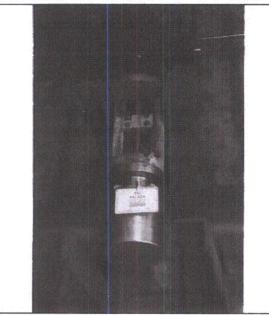
Equipment ID No. VG-22A Equip. Class 1 08A - MOTOR OPERATED VALVES

Equipment Description <u>CAD MOV VENT ISOLATION (OUTBD)</u>

### Photographs



Note: ID# VG-22A



Note: ID# VG-22A Exposed wires are test connection plugs.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	<u>1- 078</u>
Equipment ID No. <u>VG-22A</u> Equip. Cl	ass <sup>1</sup> 08A - MOTOR OPERATED VALVES
Equipment Description CAD MOV VENT ISOLATION	N (OUTBD)
·	·
NO PHOTO	NO PHOTO
·	
Note:	Note:

ATTACHMENT 9.6 SE	SMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 079	Status: Y⊠ N□ U□
Equipment ID No. NG-13A Equip. Class 1 08B - SOLENOID C	OPERATED VALVES
Equipment Description CAD SOV AIR ISOLATION (INBD) INJECTION TO D	W PNL A
Location: Bldg. <u>RB</u> Floor El. <u>222'</u> Room, Area <u>TORUS Al</u>	REA
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 recoifindings. Additional space is provided at the end of this checklist for document	d the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	e Y□ N⊠
Is the anchorage free of bent, broken, missing or loose hardware?     In-line valve, no anchorage.	Y_ N_ U_ N/A\
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y NU UNAM
Is the anchorage free of visible cracks in the concrete near the anchors?	Y NUUNA

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEISI	VIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 079</u>	Status: Y⊠ N□ U□
Equipment ID No. NG-13A Equip. Class 1 08B - SOLENOID OF	PERATED VALVES
Equipment Description CAD SOV AIR ISOLATION (INBD) INJECTION TO DW	PNL A
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y N U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

			, ¥ .		
Page	332	of	5	05	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 079	
Equipment ID No. <u>NG-13A</u> Equip. Class <sup>1</sup> <u>08B - SOLENO</u>	ID OPERATED VALVES
Equipment Description CAD SOV AIR ISOLATION (INBD) INJECTION To	O DW PNL A
Other Adverse Conditions	*
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ıld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	•
Reference Documents: A46/IPEEE – SSEL Line No. 000515	
Evaluated by: Kirit Parikh Courte 10/18/2012	Date: <u>10/11/2012</u>
Randy Stephens Randy Steph 10/18	2012 10/11/2012

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC)SWEL1:	Status: Y N U
Equipment ID No. NG-13A Equip. Cla	
Equipment Description CAD SOV AIR ISOLATION (II	NBD) INJECTION TO DW PNL A
Photographs	
Note: In-line valve, ID# NG-13A	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	<u>1- 079                                    </u>
Equipment ID No. NG-13A Equip. C	lass <sup>1</sup> 08B - SOLENOID OPERATED VALVES
Equipment Description CAD SOV AIR ISOLATION	(INBD) INJECTION TO DW PNL A
NO PHOTO	NO PHOTO
Note:	Note:
Note:	Note:

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 080</u>	
Equipment ID No. <u>SB-16-19-6</u> Equip. Class <sup>1</sup> <u>07 - FLUID OPERAT</u>	TED VALVES
Equipment Description PRIMARY CONTAINMENT VENT TO SBGT ISOLATION	ON (OUTBD) AOV
Location: Bldg. <u>RB</u> Floor El. <u>303'</u> Room, Area <u>W</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y□ N⊠
Is the anchorage free of bent, broken, missing or loose hardware?     In-line valve, no anchorage.	Y□ N□ U□ N/Á⊠
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y_ N_ U_ N/A\

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

### Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 336 of 505

ATTACHMENT 9.6 S	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 080	Status: Y⊠ N□ U□
Equipment ID No. <u>SB-16-19-6</u> Equip. Class <sup>1</sup> <u>07 - FLUID OPER</u>	RATED VALVES
Equipment Description PRIMARY CONTAINMENT VENT TO SBGT ISOLA	TION (OUTBD) AOV
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y N U N/A 🛛
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
	·
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 080</u>	
Equipment ID No. <u>SB-16-19-6</u> Equip. Class <sup>1</sup> <u>07 - FLUID O</u>	PERATED VALVES
Equipment Description PRIMARY CONTAINMENT VENT TO SBGT ISC	OLATION (OUTBD) AOV
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that conditions adversely affect the safety functions of the equipment?	ould Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Reference Documents: A46/IPEEE - SSEL Line No. 000554	
· _	
Evaluated by: Kirit Parikh Parke 10 18 2012	Date: 10/10/2012
Bandy Stephens Rand Stephens 10	18 2012 10/10/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

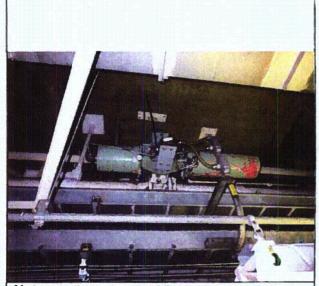
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 080

Equipment ID No. SB-16-19-6 Equip. Class 07 - FLUID OPERATED VALVES

Equipment Description PRIMARY CONTAINMENT VENT TO SBGT ISOLATION (OUTBD) AOV

#### **Photographs**







Note: In-line valve ID# SB-16-19-6

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 5 of 5  Seismic Walkdown Checklist (SWC) <u>SWEL</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>SB-16-19-6</u> Equip. C	lass <sup>1</sup> _07 - FLUID OPERATED VALVES
Equipment Description PRIMARY CONTAINMENT	
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC)SWEL1081	Status. 12 NC OL
Equipment ID No. <u>CRP 9-03</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
Location: Bidg. CB Floor El. 272' Room, Area CONT	RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdor SWEL. The space below each of the following questions may be used to re findings. Additional space is provided at the end of this checklist for docum	ecord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	YM NU UM 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?	YM NO UO N/AO

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Attachment 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 081</u>	Status: Y⊠ N□ U□
Equipment ID No. CRP 9-03 Equip. Class <sup>1</sup> 20	
Equipment Description CONTROL ROOM PANEL	
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for w anchorage configuration verification is required.)</li> <li>See VYC-1354</li> </ol>	
Based on the above anchorage evaluations, is the anchorage free potentially adverse seismic conditions?	of Y⊠N□U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures	s? Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and light 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□
Based on the above seismic interaction evaluations, is equipment from of potentially adverse seismic interaction effects?	ree Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 342 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 081	Status: Y⊠ N☐ U☐
Equipment ID No. <u>CRP 9-03</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	d Y⊠N□U□
	. \
Comments (Additional pages may be added as necessary)	
Referenced Documents:  Drawings: 5920-3258  A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 001.  Calculation: VYC-1354	210
Evaluated by: Marcus Hecht-Nielsen 10/18/2012	Date: <u>10-15-2012</u>
Raymond Tworek Rayn CTRe 1918/12	10-15-2012

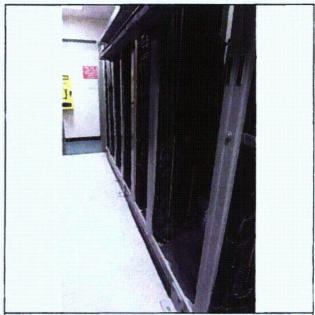
SEISMIC WALKDOWN CHECKLIST FORM
Status: Y⊠ N□ U□

# **Photographs**



Equipment Description CONTROL ROOM PANEL

Note: CRP 9-03



Note: CRP 9-03

Engineering Report VTY-RPT-12-00019

	rtev. u
Page 34/	1_of_505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	Status: Y⊠ N□ U□
Equipment ID No. CRP 9-03 Equip. C	lass <sup>1</sup> _20
Equipment Description CONTROL ROOM PANEL	
NO PHOTO	NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC)SWEL1082	Status: Y⊠ N□ U□
Equipment ID No. <u>CRP 9-19</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
Location: Bldg. <u>CB</u> Floor El. <u>272'</u> Room, Area <u>CONT</u>	RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	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	Y□ N□ U□ N/A⊠
anchors?	IL NE OF WAS

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 2 of 5	Statu <b>s</b> : Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) SWEL1- 082	
Equipment ID No. CRP 9-19 Equip. Class 1 20	
Equipment Description CONTROL ROOM PANEL	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whanchorage configuration verification is required.)</li> </ol>	
Based on the above anchorage evaluations, is the anchorage free or potentially adverse seismic conditions?	f Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	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	e Y⊠ N□ U□

of potentially adverse seismic interaction effects?

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 082</u>	
Equipment ID No. <u>CRP 9-19</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	d Y⊠N□U□
	. "
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-2678	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 001	221
Evaluated by: Marcus Hecht-Nielsen	Date: 10-15-2012
Raymond Tworek Rumber & 6/18/12	10-15-2012
•	

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

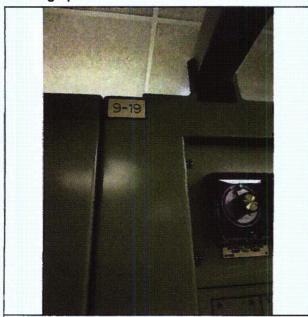
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 082

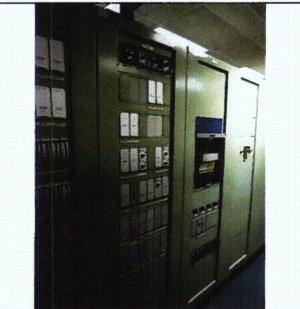
Equipment ID No. CRP 9-19 Equip. Class<sup>1</sup> 20

Equipment Description CONTROL ROOM PANEL

### **Photographs**



Note: CRP 9-19



Note: CRP 9-19

			110	5V. U
F	age	349	of	505

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
	<b></b>	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SW	C) <u>SWEL1- 08</u>	<u>2</u>
Equipment ID No. CRP 9-19	Equip. Class <sup>1</sup> _2	20
Equipment Description CONTROL ROO	OM PANEL	
		·
	·	
		,
	.	
Note:	No	ote:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 083	Status: Y⊠ N□ U□
Equipment ID No. <u>CRP 9-20</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	· · · · · · · · · · · · · · · · · · ·
Location: Bldg. <u>CB</u> Floor El. <u>272'</u> Room, Area <u>C</u>	CONT RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic W SWEL. The space below each of the following questions may be use findings. Additional space is provided at the end of this checklist for details the space is provided at the end of this checklist for details.	d to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)?</li> </ol>	eitem one Y N N
2. Is the anchorage free of bent, broken, missing or loose hardw	are? Y□ N□ U□ N/A⊠
3. Is the anchorage free of corrosion that is more than mild surfa oxidation?	ice Y□ N□ U□ N/A⊠
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□N□U□N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

-	_	-		Rev. 0
			Page 351	of 505

ATTACHMENT 9.6 SE	EISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 083	Status: Y⊠ N□ U□
Equipment ID No. <u>CRP 9-20</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whice anchorage configuration verification is required;)</li> </ol>	Y□ N□ U□ N/A⊠ h
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	g, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y N U

Engineering Report VTY-RPT-12-00019 Rev. 0

Page	352	of 50	)5

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 083	Status: Y⊠ N□ U□
Equipment ID No. <u>CRP 9-20</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description CONTROL ROOM PANEL	
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)	
Referenced Documents:	
Drawings: 5920-3770	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00.	1222
Evaluated by: Marcus Hecht-Nielsen	Date: 10-15-2012
Lyunduna oj. mando i navini i viologii	- Date: 10-10-2012
Raymond Tworok Roymon 20/18/1-	10-15-2012

**ATTACHMENT 9.6** 

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 083

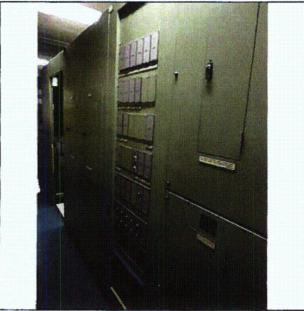
Equipment ID No. <u>CRP 9-20</u> Equip. Class 20

Equipment Description CONTROL ROOM PANEL

### **Photographs**



Note: CRP 9-20



Note: CRP 9-20

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1</u>	- 083
Equipment ID No. CRP 9-20 Equip. Cla	ass <sup>1</sup> _20
Equipment Description CONTROL ROOM PANEL	
NO PHOTO	NO PHOTO
Note:	Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 084	Status: Y⊠ N□ U□
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM B VOLTAGE REGULATOR CAB	
Location: Bldg. TB Floor El. 252' Room, Area EDGR	В
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	,
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for document	ecord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

### Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 356 of 505

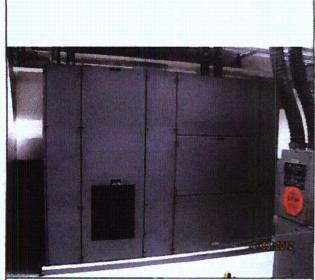
ATTACHMENT 9.6 SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 084	
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM B VOLTAGE REGULATOR CAB	,
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See drawing SK 92403-03B</li> </ol>	Y NUUNAX
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
· · · · · · · · · · · · · · · · · · ·	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, celling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 357 of 505

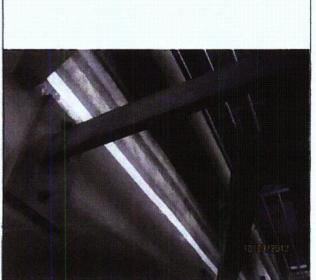
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 084</u>	
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM B VOLTAGE REGULATOR CAB	,
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
	•
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawing 5920-3911 and 5920-4592, and SK 92403-03B sheets 1-4	
A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00	11242
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-03-2012</u>
Raymond Tworek Raymon Front 10/18/12	10-03-2012

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5		
Seismic Walkdown Checklist (S	WC) <u>SWEL1- 084</u>	Status: Y⊠ N□ U□
Equipment ID No.	Equip. Class <sup>1</sup> 20	
Equipment Description DG RM B VC	OLTAGE REGULATOR CAB	

# **Photographs**



Note: DG RM B VOLTAGE REGULATOR CAB



Note: Behind view of bracing

AT				

SEISMIC WALKDOWN CHECKLIST FORM

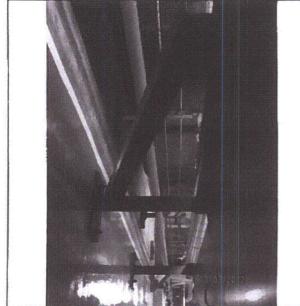
Sheet 5 of 5

Status: Y⊠ N□ U□

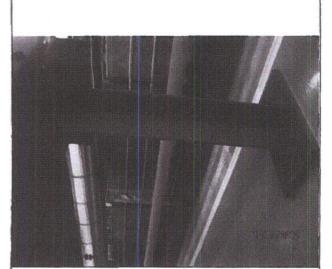
Seismic Walkdown Checklist (SWC) SWEL1- 084

Equipment ID No. \_\_\_\_\_ Equip. Class<sup>1</sup> \_20

Equipment Description DG RM B VOLTAGE REGULATOR CAB



Note: Behind view of bracing



Note: Behind view of bracing

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 085</u>	
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM A NEUTRAL TRANSFORMER CA	4 <i>B</i>
Location: Bldg. TB Floor El. 252 Room, Area	EDGR A
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic SWEL. The space below each of the following questions may be u findings. Additional space is provided at the end of this checklist for	used to record the results of judgments and
Anchorage	
Is the anchorage configuration verification required (i.e., is of the 50% of SWEL items requiring such verification)?	the item one Y⊠ N□
Is the anchorage free of bent, broken, missing or loose hare Was able to visually verify attachment of unit to anchors on Anchors are undamaged.	
<ol> <li>Is the anchorage free of corrosion that is more than mild su oxidation?</li> <li>Was able to visually verify angle attachment on 10/11/12. do not show signs of corrosion.</li> </ol>	<del>_</del> _
Is the anchorage free of visible cracks in the concrete near anchors?  Hairline cracks on the wall sufficient distance from anchor t affect on seismic performance.	<u>_</u>

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 085	Status: Y⊠ N□ U□
Equipment ID No Equip. Class <sup>1</sup> _20	<u> </u>
Equipment Description DG RM A NEUTRAL TRANSFORMER CAB	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See SK 92403-02-A</li> </ol>	Y⊠ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse selsmic 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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC)SWEL1085	Status: Y⊠ N□ U□
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM A NEUTRAL TRANSFORMER CAB	
Other Adverse Conditions	**************************************
11. Have you looked for and found no other seismic conditions that adversely affect the safety functions of the equipment?	t could Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Reference Documents:	
5920-4593, sht. 1 <sub>į</sub> Rev. 0	
5920-4593, sht. 2, Rev. 0 A46/IPEEE – SSEL Line No. 001243	
SK 92403-02-A	
Evaluated by: Marcus Hecht-Nielsen	(201) Date: <u>10-11-2012</u>
Raymond Tworek Raymon F Tronk	<u>10-11-2012</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1	- 085
Equipment ID No Equip. Cla	iss <sup>1</sup> _20
Equipment Description DG RM A NEUTRAL TRANSF	FORMER CAB
Photographs	
Note: A EDG Neutral Transformer Cabinet	NO PHOTO  Note:

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 364 of 505

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FOR
Sheet 5 of 5		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC		
Equipment ID No.	Equip. Class <sup>1</sup> _20	
Equipment Description DG RM A NEUT	RAL TRANSFORMER CAB	
		•
NO PHOTO		NO PHOTO
·		
Near		and the second s
Note:	Note:	*

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 086	Status: Y⊠ N□ U□
Equipment ID No. <u>L-17</u> Equip. Class <sup>1</sup> <u>0</u>	
Equipment Description DG "B" RM DAMPER MOTOR	
Location: Bldg. <u>TB</u> Floor El. <u>252'</u> Room, Area <u>EDGR B</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting	I 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⊠
<ol> <li>Is the anchorage free of bent, broken, missing or loose hardware?</li> <li>3 fan mounting bolts were visible, one bolt not visible. No Seismic impact.</li> </ol>	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?      Same as above	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?      Mounted to steel frame.	Y□ N□ U□ N/A፟፟፟

ſ

<sup>&</sup>lt;sup>a</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

### Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 366 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM			
Sheet 2 of 5	Status: Y⊠ N□ U□			
Seismic Walkdown Checklist (SWC) SWEL1- 086				
Equipment ID No. <u>L-17</u> Equip. Class <sup>1</sup> <u>0</u>				
Equipment Description DG "B" RM DAMPER MOTOR				
<ol> <li>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.)</li> </ol>	Y□ N□ U□ N/A⊠			
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?     Fan mounting bolt is not visible from outside of the fan. No seismic impact.	Y⊠ N□ U□			
Interaction Effects				
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□			
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□			
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□			
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□			

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Selsmic Walkdown Checklist (SWC) <u>SWEL1- 086</u>	
Equipment ID No. <u>L-17</u> Equip. Class <sup>1</sup> <u>0</u>	
Equipment Description DG "B" RM DAMPER MOTOR	
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	
Note: 3 Fan mounting bolts are visible, one bolt not visible. Based no seismic impact.	on the firmness of the fan assembly
Evaluated by: Kirit Parikh Parike 10/18/2012	Date: 10/03/12
D. Other intela	017
Randy Stephens Koul & Test (D) (8 2	10/03/12

ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

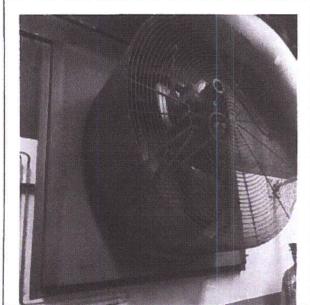
	NAME OF TAXABLE PARTY.	Part Contract Contrac	-
Status:	V	NI	
Oldius.	TI I	IV.	

Seismic Walkdown Checklist (SWC) SWEL1- 086

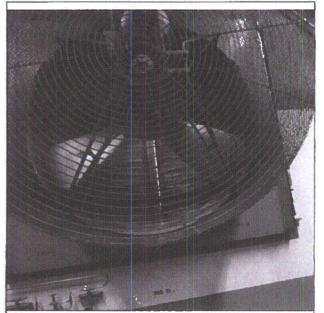
Equipment ID No. <u>L-17</u> Equip. Class<sup>1</sup> <u>0</u>

Equipment Description DG "B" RM DAMPER MOTOR

## **Photographs**



Note: Damper motor (# L-17) not visible from outside of the fan/shroud assy.



**Note:** : Damper motor (# L-17) not visible from outside of the fan/shroud assy.

Page	369	O	F	5	0	5

ATTACHMENT 9.6			SEISMIC WALKDOWN CHECKLIST FOR
Sheet 5 of 5			
			Status: Y N U
Seismic Walkdown Che	cklist (SWC) <u>SWEL1</u>	- 086	
Equipment ID No. <u>L-17</u>	Equip. Cla	ass <sup>1</sup> _0	· · · · · · · · · · · · · · · · · · ·
Equipment Description DG	"B" RM DAMPER MOTO	R	
·			
NO PHO	ото		NO PHOTO
		·	
,			
		,	
·			
Note:		Note:	•
		<u> </u>	<del></del>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 087</u>	
Equipment ID No. <u>RATS-1A</u> Equip. Class <sup>1</sup> <u>20 - Instr.</u>	& Conrol Panels & Cabinets
Equipment Description DG-1A RM Thermostat	
Location: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area <u>E</u>	DGR A
Manufacturer, Model, Etc. (optional but recommended) Honeywell	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic W SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for d	d to record the results of judgments and
Anchorage	* 130 mliter
1. Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)?	e item one # 10/25/12
2. Is the anchorage free of bent, broken, missing or loose hardways	are? Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surfa oxidation?	ice Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Crack 6" under top wall anchor – Will not affect pullout, seismi acceptable.	ically
PANEL ANCHOLING HOT LISIBLE	Julieg Arth 10/2/12

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 087</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>RATS-1A</u> Equip. Class <sup>1</sup> <u>20 - Ins</u>	str. & Conrol Panels & Cabinets
Equipment Description DG-1A RM Thermostat	HA PO/N
<ol> <li>Is the anchorage configuration consistent with plant docum (Note: This question only applies if the item is one of the 50 anchorage configuration verification is required.)</li> <li>See drawing A46/IPEEE – SSEL Line No. 001355</li> </ol>	
6. Based on the above anchorage evaluations, is the anchora potentially adverse seismic conditions?	age free of Y N U
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or s	tructures? Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and masonry block walls not likely to collapse onto the equ	
9. Do attached lines have adequate flexibility to avoid damage.	e? Y⊠ N□ U□ N/A□
Both the thermostat and line are anchored to wall. The line flexible, however, both components will move as one, seisr acceptable.	
10. Based on the above seismic interaction evaluations, is equipped of potentially adverse seismic interaction effects?	ipment free Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1- 087</u>	
Equipment ID No. <u>RATS-1A</u> Equip. Class <sup>1</sup> <u>20 - Instr. &amp; Co</u>	onrol Panels & Cabinets
Equipment Description DG-1A RM Thermostat	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that con adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
adversely affect the safety functions of the equipment?	
<u>Comments</u> (Additional pages may be added as necessary)	
Reference Documents:	
A46/IPEEE – SSEL Line No. 001355, and Attachment A	
Evaluated by: Marcus Hecht-Nielsen	2012 Date: 10-01-2012
Raymond Tworek Raymof Rul 10/18/12	10-01-2012

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5		OLIGINIO WALKOOWI ONLONGO I ONI
Seismic Walkdown Checklist (SWC)	SWEL1- 087	Status: Y⊠ N□ U□
Equipment ID No. RATS-1A	Equip. Class <sup>1</sup> 20 - Instr. & Co	onrol Panels & Cabinets
Equipment Description DG-1A RM Thermo	ostat .	
Photographs		
Note: RATS-1A	Note:	NO PHOTO

3	 •	-								Ř				
				F	a	ge	3	37	4	0	f	5	0	5

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	· · · · · · · · · · · · · · · · · · ·	
Seismic Walkdown Checklist (SWC)	SWEL1-	Status: Y⊠ N□ U□
Equipment ID No. RATS-1A	Equip. Clas	s <sup>1</sup> 20 - Instr. & Conrol Panels & Cabinets
Equipment Description DG-1A RM Therm	ostat	
,		
,		
NO PHOTO		NO PHOTO
		·
Notes		
Note:		Note:
	,	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Selsmic Walkdown Checklist (SWC) <u>SWEL1- 088</u>	
Equipment ID No. <u>SE-113-2022</u> Equip. Class <sup>1</sup> <u>08B</u>	
Equipment Description DG RM B DAMPER SOV	
Location: Bldg. <u>TB</u> Floor El. <u>252'</u> Room, Area <u>EDGR</u>	В
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to r	ecord the results of judgments and
findings. Additional space is provided at the end of this checklist for documents	nenting other comments.
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y N
Is the anchorage free of bent, broken, missing or loose hardware?     Same as above	Y⊠ N□ U□ N/A□
dame de above	
3. Is the anchorage free of corrosion that is more than mild surface	Y⊠ N□ U□ N/A□
oxidation?	· ·
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEISI	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 088</u>	
Equipment ID No. <u>SE-113-2022</u> Equip. Class <sup>1</sup> <u>08B</u>	
Equipment Description DG RM B DAMPER SOV	
<ol> <li>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.)</li> </ol>	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
<ul><li><u>Interaction Effects</u></li><li>7. Are soft targets free from impact by nearby equipment or structures?</li></ul>	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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

# Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 377 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5 Seismic Walkdown Checklist (SWC)SWEL1088	Status: Y⊠ N□ U□
Equipment ID No. <u>SE-113-2022</u> Equip. Class <sup>1</sup> <u>08B</u>	
Equipment Description DG RM B DAMPER SOV	
Other Adverse Conditions  11. Have you looked for and found no other seismic conditions that count adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents: A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00	01375
Evaluated by: Kirit Parikh Paike 10/18/2012  Randy Stephens Roul Styles 10/18	Date: <u>10/03/2012</u> 2017_ <u>10/03/2012</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1-</u>	088
Equipment ID No. <u>SE-113-2022</u> Equip. Cla	ss <sup>1</sup> _08B
Equipment Description DG RM B DAMPER SOV	
Photographs	
Note: Solenoid operated valve # SE-113-2022 (center valve).	NO PHOTO  Note:

ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST				
Sheet 5 of 5				
Seismic Walkdown Checklist (SWC) <u>SWEL1</u>	Status: Y⊠ N U U			
Equipment ID No. <u>SE-113-2022</u> Equip. Cla	ass <sup>1</sup> _ <i>08B</i>			
Equipment Description DG RM B DAMPER SOV				
NO PHOTO	NO PHOTO			
Note:	Note:			

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 1 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) SWEL1- 089 Equip. Class<sup>1</sup> 20 Equipment ID No. Equipment Description DG RM B CONTACTOR CAB Location: Bldg. TB Floor El. 252' \_ Room, Area *EDGR 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 an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. **Anchorage** 1. Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N□ U□ N/A□ 3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Y□ N□ U□ N/A⊠

anchors?

Equipment is anchored to steel.

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Page	381	of	5	0	5

ATTACHMENT 9.6 Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 089	
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM B CONTACTOR CAB	<u></u>
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)  The plant documentation calls out ½" diameter bolts, but the as built condition is 3/8" diameter. Per the SEWS SSEL line no. 001387 rule of the box is used. Given the seismic loading and bracing, the system is okay by engineering judgment.	Y⊠ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 382 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 089	Status: Y⊠ N□ U□
Seisinic Walkdown Checklist (SWC)SWEET - 009	
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG RM B CONTACTOR CAB	
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·
11. Have you looked for and found no other seismic conditions that c adversely affect the safety functions of the equipment?	could YN N U
Comments (Additional pages may be added as necessary)	
Referenced Documents: A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. (	001387
ATOM ELE - Colodining Evaluation TVOK Choos, COLL Elile No.	
	· · · · · · · · · · · · · · · · · · ·
Evaluated by: Marcus Hecht-Nielsen 10:1/8/	Del Date: 10-03-2012
Raymond Tworek Raymont Front 10/18	10-03-2012

ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

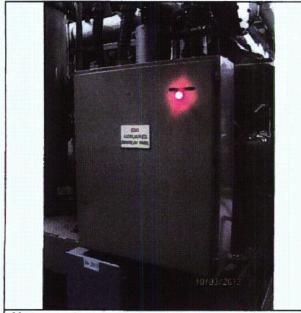
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 089

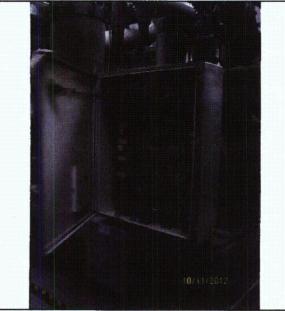
Equipment ID No. \_\_\_\_\_ Equip. Class<sup>1</sup>\_20

Equipment Description DG RM B CONTACTOR CAB

### **Photographs**



Note: A EDG Contactor Cabinet



Note: A EDG Contactor Cabinet-Inside view

Status: Y⊠ N□ U□
APPLICATION OF THE PROPERTY OF
NO PHOTO

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC)SWEL1090	Status: Y⊠ N□ U□
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG-1-B RM B INSTRUMENT PANEL	·
Location: Bldg. <u>TB</u> Floor El. <u>252'</u> Room, Area <u>EDGR</u>	В
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	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?	Y NU UNAX
Equipment is anchored to steel.	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

		Rε	₹V.	0
Page	386	of	50	)5

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 090	Status: Y⊠ N□ U□
Equipment ID No Equip. Class <sup>1</sup> _20	
Equipment Description DG-1-B RM B INSTRUMENT PANEL	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the Item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 001388</li> </ol>	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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
·	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 090</u>	
Equipment ID No Equip. Class <sup>1</sup> _20_	
Equipment Description DG-1-B RM B INSTRUMENT PANEL	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that adversely affect the safety functions of the equipment?	could Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawing 5920-3991	
Drawing G-191566	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No.	. 001388
- In the	- Jan )
Evaluated by: Marcus Hecht-Nielsen	10-03-2012
Raymond Tworek Ray Find 10/18/12	10-03-2012

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5		
		Status: Y⊠ N□ U□
Seismic Walkdown Checklis	st (SWC) <u>SWEL1- 090</u>	
Equipment ID No.	Equip. Class <sup>1</sup> _20	
Equipment Description DG-1-B	RM B INSTRUMENT PANEL	
Photographs		
Note: DG-1-B RM B Instrume	ent Panel Note:	NO PHOTO

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 389 of 505

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5  Seismic Walkdown Checklist (SWC) Equipment ID No Eq		Status: Y⊠ N□ U□
Equipment Description DG-1-B RM B INSTRU		
NO PHOTO		NO PHOTO
Note:	Note:	

	Rev. 0
Page	390 of 505

ATTACHMENT 9.6 SE	ISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 091	Status: Y⊠ N□ U□
Equipment ID No. Equip. Class 17	
Equipment Description DG RM B EQUIP SKID	
Location: Bidg. <u>TB</u> Floor El. <u>252'</u> Room, Area <u>EDGR B</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to recording. Additional space is provided at the end of this checklist for document	rd the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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?	YN NU UU N/AU
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
* DELETED EQUIPMENT ID. EQUIPMENT	JED PUL WARL -007
	Januar 10/25/12

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 091	Status: Y⊠ N□ U□
Equipment ID No. DG 15 1/25/12 Equip. Class 1 17	
Equipment Description DG RM B EQUIP SKID	<u> </u>
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for wind anchorage configuration verification is required.)</li> <li>See 5920-3991</li> </ol>	? Y⊠ N□ U□ N/A□ . hich
6. Based on the above anchorage evaluations, is the anchorage free operations and potentially adverse seismic conditions?	of Y⊠ N□ U□
<ul> <li>7. Are soft targets free from impact by nearby equipment or structures</li> </ul>	? YN UN N/A
Are overhead equipment, distribution systems, ceiling tiles and light and masonry block walls not likely to collapse onto the equipment?	ting, 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?	ree Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 091	Error Current Current Current
Equipment ID No. DG-TB- 12-27-12 Equip. Class 1 17	
Equipment Description DG RM B EQUIP SKID	
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)	
Referenced Documents:	
Drawing 5920-3991 and G-191566	
A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 013	389
,	
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-03-2012</u>
Raymond Tworok Raymorful 10/18/12	10-03-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 091

Equipment ID No. DOING 10-2512 Equip. Class 1 17

Equipment Description DG RM B EQUIP SKID

### **Photographs**



Note: DG RM B EQUIP SKID



Note: DG RM B EQUIP SKID

#### Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0

ATTACHMENT 9.6

Sheet 5 of 5

Seismic Walkdown Checklist (SWC) SWEL1- 091

Equipment ID No. DETE 1/ 10-25-12 Equip. Class¹ 17

Equipment Description DG RM B EQUIP SKID

NO PHOTO

NO PHOTO

Note:

Note:

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	WILL WALRDOWN ORECREIST I ONW
Seismic Walkdown Checklist (SWC)SWEL1- 092	Status: Y⊠ N□ U□
Equipment ID No. <u>T-LP-1L</u> Equip. Class <sup>1</sup> <u>04</u>	
Equipment Description TRANSFORMER FOR CABLE VAULT ROOM	
Location: Bldg. <u>CB</u> Floor El. <u>262'</u> Room, Area <u>EAST WALI</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	* 110 10/10/10
<ol> <li>Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	N 10-25-12
2. Is the anchorage free of bent, broken, missing or loose hardware? Front anchorage on transformer support rod not visible due to protective foam coverage. But the entire frame seems to be very sturdy without any swing on the structural rod. No seismic impact, no CR required.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
# FRONT ANCHORAGE COVERED BY PROFECT AS SUCH IS NOT INSPECTABLE JUL	10:-25-12

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment:

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 092</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>T-LP-1L</u> Equip. Class <sup>1</sup> <u>04</u>	
Equipment Description TRANSFORMER FOR CABLE VAULT ROOM	HAPINE HAPINI
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>Ref. work sheet SSEL Line no. 001396, Drawing no. G-191323</li> </ol>	NO UD NYADO
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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

SEISMIC WALKDOWN CHECKLIST FORM
Status: Y⊠ N□ U□
•
ould Y⊠ N□ U□
16/2012.
001396; Drawing G-191323
Date: 10/16/2012
1 1
-

Page 398 of 505

ATTACHMENT 9.6

Sheet 4 of 5

Status: Y N U

Seismic Walkdown Checklist (SWC) SWEL1- 092

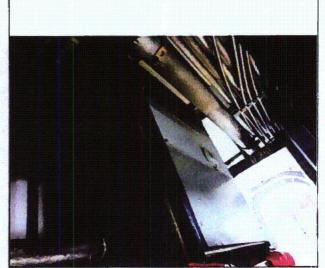
Equipment Description TRANSFORMER FOR CABLE VAULT ROOM

# **Photographs**



Equipment ID No. T-LP-1L Equip. Class 04

Note: Front lower anchorage covered by protective foam and tape. Looking North.



Note: Looking South. ID # T-LP-1L.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	
•	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	<u> </u>
Equipment ID No. <u>T-LP-1L</u> Equip. 0	ass <sup>1</sup> _04
Equipment Description TRANSFORMER FOR CAR	E VAULT ROOM
	·
NO PHOTOS	NO PHOTOS
	·
Note:	Note:
·	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	_
Seismic Walkdown Checklist (SWC) SWEL1- 093	Status: Y⊠ N☐ U☐
Equipment ID No. <u>ES-1-156-5</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description POWER SUPPLY FOR LSL-107-5B	· · · · · · · · · · · · · · · · · · ·
Location: Bldg. <u>CB</u> Floor El. <u>272'</u> Room, Area <u>C</u>	ONT RM
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic We SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for d	to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)?</li> </ol>	item one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardwa	are? Y□ N□ U□ N/A☒
Is the anchorage free of corrosion that is more than mild surface oxidation?	ce Y□ N□ U□ N/A⊠
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEIS	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 093	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-1-156-5</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description POWER SUPPLY FOR LSL-107-5B	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y N U N/A
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YM U
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

	Fage 402 01
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) SWEL1- 093	
Equipment ID No. <u>ES-1-156-5</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description POWER SUPPLY FOR LSL-107-5B	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that count adversely affect the safety functions of the equipment?	uld Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
Referenced Documents:	
Drawings: 5920-3770 A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 00	)1514
Evaluated by: Marcus Hecht-Nielsen 10/1 s/Do	Date: 10-15-2012

Raymond Tworek Raym & Tol 10/18/12

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) SWEL1-	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-1-156-5</u> Equip. Class	1 20
Equipment Description POWER SUPPLY FOR LSL-107	7-5B
Photographs	
Note: ES-1-156-5	Note:

ATTACHMENT 9.6 SEISMIC WALKDOWN C	
Sheet 5 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 093	Status: Y⊠ N□ U□
,	_
Equipment ID No. <u>ES-1-156-5</u> Equip. Class <sup>1</sup> <u>20</u>	
Equipment Description POWER SUPPLY FOR LSL-107-5B	
	•
	į
· I	
Note: Note	
	·
	` .
<u> </u>	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORI
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 094</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50A</u> Equip. Class <sup>1</sup> <u>18 INST</u>	RUMENTS ON RACKS
Equipment Description HPCI INST. RACK (A)	
Location: Bidg. <u>RB</u> Floor El. <u>213'</u> Room, Area	HPCI
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist  This checklist may be used to document the results of the Seismic N SWEL. The space below each of the following questions may be us findings. Additional space is provided at the end of this checklist for	ed to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)?</li> </ol>	ne item one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hard	ware? Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surroxidation?	face Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?	he Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

## Attachment C

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 406 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC)SWEL1- 094	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50A</u> Equip. Class <sup>1</sup> 18 INSTRUMENTS	ON RACKS
Equipment Description HPCI INST. RACK (A)	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.) See SSEL Line No. 001522, drawing No. 5920-3044/3045 and Sketch SK-VY-94411-1.	Y⊠ N□ Ü□ 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□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL1- 094</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50A</u> Equip. Class <sup>1</sup> 18 INSTRUME	NTS ON RACKS
Equipment Description HPCLINST. RACK (A)	
Other Adverse Conditions	12 1 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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)	
Referenced Documents:  A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00  Drawing No. 5920-3044/ 3045  Sketch SK-VY-94411-1	1152
Evaluated by: Kirit Parikh Conce 10/18/2012	Date: <u>10/09/2012</u>
Bandy Stanhans Pour Stephens 10/18/	2017

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

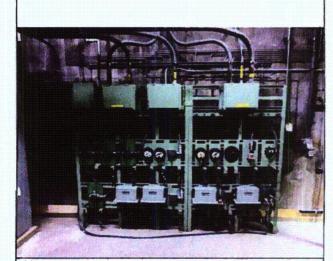
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 094

Equipment ID No. <u>RK25-50A</u> Equip. Class<sup>1</sup> <u>18 INSTRUMENTS ON RACKS</u>

Equipment Description HPCI INST. RACK (A)

**Photographs** 



Note: RK25-50A is the left section of rack.



Note: RK25-50A

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
Calamia Walladanna Obaaldia (CWO)	OWEL 4 004	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWEL1- 094	· ·
Equipment ID No. RK25-50A	Equip. Class <sup>1</sup> _	18 INSTRUMENTS ON RACKS
Equipment Description <u>HPCI INST. RACK</u>	(A)	
-		
NO PHOTO		NO PHOTO
·		
	,	
Note:	N	ote:
		·

		Rev. (	J
Page	410	of 505	5

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC)SWEL1- 095	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50B</u> Equip. Class <sup>1</sup> <u>18- INSTR</u>	UMENTS ON THE RACK
Equipment Description <u>HPCI-INSTRUMENT RACK B</u>	
Location: Bldg. <u>RB</u> Floor El. <u>213'</u> Room, Area <u>HR</u>	PCI
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Was SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for do	to record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the of the 50% of SWEL items requiring such verification)?</li> </ol>	item one Y⊠ N□
	0
2. Is the anchorage free of bent, broken, missing or loose hardwa	re? Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surfact oxidation?	e Y⊠ N□ U□ N/A□
	•
4. Is the anchorage free of visible cracks in the concrete near the	Y⊠ N□ U□ N/A□
anchors?	יאל יער סרי ואטרו

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 095</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50B</u> Equip. Class <sup>1</sup> 18- INSTRUMEN	ITS ON THE RACK
Equipment Description HPCI-INSTRUMENT RACK B	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whi anchorage configuration verification is required.)</li> <li>See SSEL Line No. 001523, drawing 5920-3045/3044 and sketch St VY-94411-1.</li> </ol>	ich
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YN 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?	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	e Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Seismic Walkdown Checklist (SWC)SWEL1- 095	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-50B</u> Equip. Class <sup>1</sup> <u>18- INSTRUME</u>	ENTS ON THE RACK
Equipment Description HPCI-INSTRUMENT RACK B	
Other Adverse Conditions	. g
11. Have you looked for and found no other seismic conditions that con adversely affect the safety functions of the equipment? Pump discharge pressure panel no.23-81 has one missing metal so (lower left). No seismic impact since it is firmly secured on its moun with 3 of 4 screws. See CR-VTY-2012-05118.	crew
Comments (Additional pages may be added as necessary)	
Referenced Documents: A46/IPEEE - Screening Evaluation Work Sheet, SSEL Line No. 00 Sketch SK-VY-94411-1	01523, Drawing 5920-3045 / 3044
Evaluated by: Kirit Parikh Parke 10/18/2012	Date: 10/09/2012
Randy Stephens Randy Style 10/18/	ZOI Z 10/09/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

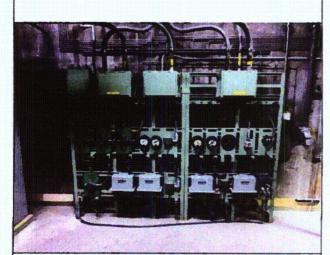
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1-095

Equipment ID No. <u>RK25-50B</u> Equip. Class<sup>1</sup> <u>18- INSTRUMENTS ON THE RACK</u>

Equipment Description <u>HPCI-INSTRUMENT RACK B</u>

### **Photographs**



Note: RK25-50B is the right side section of rack.



ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKL	JIST FORM
Sheet 5 of 5	Status: Y⊠ N□	] U
Seismic Walkdown Checklist (SWC) <u>SV</u>	<u> </u>	
Equipment ID No. <u>RK25-50B</u> Equ	uip. Class <sup>1</sup> _18- INSTRUMENTS ON THE RACK	
Equipment Description HPCI-INSTRUMENT RA	RACK B	45.26.2
Note: Left lower screw missing from Pump Discharge Pressure no. 23-81. No seismic impact. See CR-VTY-2012-05118	NO PHOTO  Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 096</u>	
Equipment ID No. <u>RK25-52A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUN</u>	MENTS ON RACKS
Equipment Description <u>JET PUMP INST. RACK (52A)</u>	
Location: Bldg. RB Floor El. 252 Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkd SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	record the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	n one Y⊠ N□
O to the anchorous free of bont business wiseins or toose bond, were	Y⊠ N□ U□ N/A□
Is the anchorage free of bent, broken, missing or loose hardware?	
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?  The concrete floor is covered with a protective coating. However, are no visible cracks in the coating and/or around the rack. By engineering judgment the concrete is okay.	Y⊠ N□ U□ N/A□ there

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

1

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 096	Status: Y⊠ N□ U□
Equipment ID No. <u>RK25-52A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMENT</u>	S ON RACKS
Equipment Description JET PUMP INST. RACK (52A)	·
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See A46/IPEEE – SSEL Line No. 001526 and sketch SK-VY-94411</li> </ol>	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?  There is a cabinet next to the rack with a gap ranging from 1/3" at the bottom to 1-1/4" at the top. Per the original SEWS and engineering judgment the system is seismically okay.	YM U 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□
Based on the above seismic interaction evaluations, is equipment free     of notentially adverse seismic interaction effects?	YM N U

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1- 096</u>	
Equipment ID No. <u>RK25-52A</u> Equip. Class <sup>1</sup> 18 - INSTRUME	ENTS ON RACKS
Equipment Description JET PUMP INST. RACK (52A)	
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)	
Reference Documents:	
A46/IPEEE SSEL Line No. 001526	
Drawings 5920-3055, R10 and 5920-3057, R4	
Sketch SK-VY-94411-1	
Evaluated by: Marcus Hecht-Nielsen	) Date: <u>10-04-2012</u>
Raymond Tworek Raymond & Rollie	10-04-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

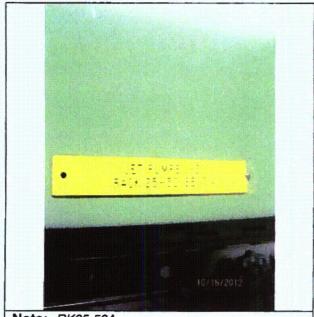
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 096

Equipment ID No. <u>RK25-52A</u> Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description JET PUMP INST. RACK (52A)

### **Photographs**



Note: RK25-52A



Note: RK25-52A

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
	<b>.</b>	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)		····
Equipment ID No. RK25-52A	Equip. Clas	ss <sup>1</sup> _18 - INSTRUMENTS ON RACKS
Equipment Description <u>JET PUMP INST.</u>	RACK (52A)	)
		·
·		
Note:		Note:
·		

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL1- 097</u>	
Equipment ID No. <u>RK25-52B</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMEI</u>	NTS ON RACKS
Equipment Description JET PUMP INST. RACK (52B)	
Location: Bldg. RB Floor El. 252 Room, Area	
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 the 50% of SWEL items requiring such verification)?	ne Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
The concrete floor is covered with a protective coating. However, the are no visible cracks in the coating and/or around the rack. By engineering judgment the concrete is okay.	ere

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

		116	, y	•	v
Page	421	of	5	0	5

A	STICLES WALKSOWN CUTCH FORM
	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5  Seismic Walkdown Checklist (SWC) SWEL1- 097	Status: Y⊠ N□ U□
Seisific Walkdowii Checklist (SWC) SWELT- USI	
Equipment ID No. <u>RK25-52B</u> Equip. Class <sup>1</sup> <u>18 - INSTRUME</u>	ENTS ON RACKS
Equipment Description JET PUMP INST. RACK (52B)	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whanchorage configuration verification is required.)</li> <li>See A46/IPEEE – SSEL Line No. 001526 and sketch SK-VY-94411</li> </ol>	nich
Based on the above anchorage evaluations, is the anchorage free o 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□
Are overhead equipment, distribution systems, ceiling tiles and lighti	ing, Y⊠ N□ U□ N/A□
and masonry block walls not likely to collapse onto the equipment?	
Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment from of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 097</u>	,
Equipment ID No. <u>RK25-52B</u> Equip. Class 1 18 - INSTRUME	ENTS ON RACKS
Equipment Description JET PUMP INST. RACK (52B)	20 A S
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)	·
Reference Documents:	·
A46/IPEEE SSEL Line No. 001527	
Drawings 5920-3055, R10 and 5920-3057, R4 Sketch SK-VY-94411-1	
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-04-2012</u>
Baymond Tworek Ray FT 10/18/12	10-04-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

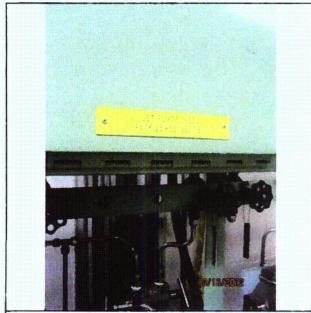
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 097

Equipment ID No. <u>RK25-52B</u> Equip. Class<sup>1</sup> <u>18 - INSTRUMENTS ON RACKS</u>

Equipment Description JET PUMP INST. RACK (52B)

#### **Photographs**



Note: RK25-52B



Note: RK25-52B

ATTACHMENT 9.6				SEISMIC W	ALKDOWN CHECKLIST FOR
Sheet 5 of 5			***		* · · · · · · · · · · · · · · · · · · ·
Seismic Walkdo	wn Checklist (SWC)	SWEL1.	097	S	tatus: Y⊠ N□ U□
Equipment ID No.	RK25-52B	Equip. Clas	s' <u>18 - INSTR</u>	<u>UMENTS ON F</u>	ACKS
Equipment Descrip	tion <u>JET PUMP INST.</u>	RACK (52B)			
,					
	•				•
	•				
Note:	<u> </u>		Note:		
•					*
,					

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 098</u>	
Equipment ID No. <u>RK25-6A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description REACTOR PROT. & NSSS INST. RACK	
Location: Bldg. <u>RB</u> Floor El. <u>280'</u> Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	,
This checklist may be used to document the results of the Seismic Walkd SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for document	record the results of judgments and
Anchorage	
Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	n one Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors?  There is a protective cover on the concrete and the concrete is no visible. However, the protective cover shows no signs of stress or cracking and is seismically okay by engineering judgment.	

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 426 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL1- 098</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>RK25-6A</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description REACTOR PROT. & NSSS INST. RACK	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for wh anchorage configuration verification is required.)</li> <li>See A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 01534 and SK-VY-94411-1</li> </ol>	ich
6. Based on the above anchorage evaluations, is the anchorage free or potentially adverse seismic conditions?	f Y⊠ N□ U□
	·
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	ng; Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	YM UM N/AM
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	ee Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 427 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Salamia Walkdown Charklist (SWC) SWELT 000	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 098	
Equipment ID No. <u>RK25-6A</u> Equip. Class 1_18	,
Equipment Description REACTOR PROT. & NSSS INST. RACK	
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\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
,	
Comments (Additional pages may be added as necessary)	
The guard rail is missing anchor bolts. This same issue was broug a seismic issue; the hand rail will not fall over during an earthqu	
Referenced Documents:	
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 01	
A40/IFEEE - Screening Evaluation Work Sheet, SSEL Line No. 01	
Evaluated by: Marcus Hecht-Nielsen	Date: 10-09-2012
Baymond Tworek Rayne FIL 10/17/12	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

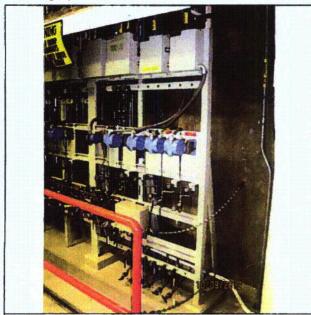
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 098

Equipment ID No. <u>RK25-6A</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description REACTOR PROT. & NSSS INST. RACK

## **Photographs**



Note: Instrument rack



Note: Instrument rack

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5	· · · · · · · · · · · · · · · · · · ·	
Seismic Walkdown Checklist (SWC) _	SWEL1- 0	Status: Y⊠ N□ U□
Equipment ID No. RK25-6A E	quip. Class¹_	18
Equipment Description REACTOR PROT. &	NSSS INST.	. RACK
NO PHOTO		NO PHOTO
Note:		Note:

			7V. U	
Page	430	of	505	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 099</u>	
Equipment ID No. <u>RK25-6B</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description REACTOR PROT. & NSSS INST. RACK	
Location: Bldg. <u>RB</u> Floor El. <u>280'</u> Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdor SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgments and
<u>Anchorage</u>	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?</li> </ol>	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?  There is a protective cover on the concrete and the concrete is not visible. However, the protective cover shows no signs of stress or cracking and is seismically okay by engineering judgment.	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

		ΚE	ev. u
Page	431	of	505

ATTACHMENT 9.6 SEIS	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 099</u>	
Equipment ID No. <u>RK25-6B</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description REACTOR PROT. & NSSS INST. RACK	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 01535 and SK-VY-94411-1</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
	<del>and the state of the second and the</del>
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
Saismia Walkdown Charlist (SWC) SWELL 000	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 099</u>	
Equipment ID No. <u>RK25-6B</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description REACTOR PROT. & NSSS INST. RACK	
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
The guard rail is missing anchor bolts. This same issue was broug a seismic issue; the hand rail will not fall over during an earthqu	•
Referenced Documents:	
Drawings: 5920-3016, 5920-3017, 5920-3018, and sketch no. SK-A46/IPEEE – Screening Evaluation Work Sheet, SSEL Line No. 01	·
Evaluated by: Marcus Hecht-Nielsen	
Raymond Tworok Raymi F Front 6/18/1	10-09-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

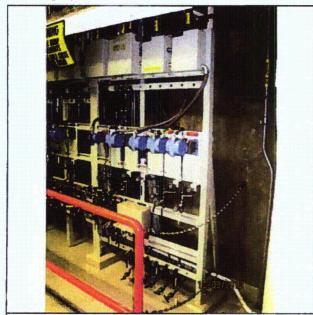
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 099

Equipment ID No. <u>RK25-6B</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description REACTOR PROT. & NSSS INST. RACK

## **Photographs**



Note: Instrument rack



Note: Instrument rack

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
	•	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	SWEL1- 099	_
Equipment ID No. RK25-6B	Equip. Class <sup>1</sup> 18	
Equipment Description REACTOR PROT.	& NSSS INST. RAC	Κ
	·	
NO PHOTO		NO PHOTO
Note:	Note:	
·		

**ATTACHMENT 9.6** SEISMIC WALKDOWN CHECKLIST FORM Sheet 1 of 5 Status: Y⊠ N□ U□ Seismic Walkdown Checklist (SWC) \_SWEL1- 100 Equip. Class<sup>1</sup> 18 Equipment ID No. RK-25-66 Equipment Description CST INST. RACK Location: Bldg. CST Floor El. 252' Room, Area INSIDE 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)? 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?

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 436 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 100</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>RK-25-66</u> Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description CST INST. RACK	
<ol> <li>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.)</li> <li>See drawing 5920-6041 (SSEL Line No. 01566)</li> </ol>	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 437 of 505

Status: Y⊠ N□ U□
Y⊠ N□ U□
Date: <u>10/02/2012</u>
12

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 100

Equipment ID No. <u>RK-25-66</u> Equip. Class<sup>1</sup> <u>18</u>

Equipment Description CST INST. RACK

## **Photographs**



Note: CST INST. RACK # RK-25-66



Note: Unsecured temporary power equipment mounted to wheel car near CST INST. RACK. Not a seismic interaction concern considering its mass, low center of gravity and distance from instrument rack.

ATTACHMENT 9.6	Seismic	C WALKDOWN CHECKLIST FORI
Sheet 5 of 5		
Seismic Walkdown Checklist (SWC)	SWEL1- 100	Status: Y⊠ N□ U□
Equipment ID No. RK-25-66	Equip. Class <sup>1</sup> <u>18</u>	
Equipment Description CST INST. RACK		
NO PHOTO	NO	РНОТО
Note:	Note:	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 101	Status: Y⊠ N□ U□
Equipment ID No. ES-24DC-2 Equip. Class 1 16	
Equipment Description POWER SUPPLY FOR ECCS PANEL B	
Location: Bldg. <u>CB</u> Floor El. <u>248'</u> Room, Area <u>SWGR I</u>	EAST
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	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)?</li> </ol>	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□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286. Appendix B: Classes of Equipment.

Engineering Report VTY-RPT-12-00019

	Rev. 0
Page 441	of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FOR
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL1- 101	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-24DC-2</u> Equip. Class <sup>1</sup> <u>16</u>	
Equipment Description POWER SUPPLY FOR ECCS PANEL B	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> <li>See VYC-2165</li> </ol>	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□
<ol> <li>Do attached lines have adequate flexibility to avoid damage? Rigid connections, however, connection of lines is close to anchorage         (near the wall) seismically okay.</li> </ol>	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

ATTACHMENT 9.6	ISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 101	
Equipment ID No. <u>ES-24DC-2</u> Equip. Class <sup>1</sup> <u>16</u>	
Equipment Description POWER SUPPLY FOR ECCS PANEL B	
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)	
Reference Documents:	
VYC-2165, Rev.0	
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-09-2012</u>
Baymond Tworek Raymof Inl 10/18/12	10-09-2012

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL1-</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>ES-24DC-2</u> Equip. Clas	s <sup>1</sup> 16
Equipment Description POWER SUPPLY FOR ECCS	PANEL B
Photographs	
Note: ES - 24DC - 2	NO PHOTO  Note:

	1101.0	
Page 44	4 of 505	

Seismic Walkdown Checklist (SWC) SWEL1- 101  Equipment ID No. ES-24DC-2 Equip. Class¹_16  Equipment Description POWER SUPPLY FOR ECCS PANEL B  NO PHOTO NO PHOTO  Note: Note:	ATTACHMENT 9.6		F. L. All Maddens I make a		SEISMIC WALKDOWN CHECKLIST FOI
Seismic Walkdown Checklist (SWC) SWEL1- 101  Equipment ID No. ES-24DC-2 Equip. Class¹ 16  Equipment Description POWER SUPPLY FOR ECCS PANEL B  NO PHOTO NO PHOTO	Sheet 5 of 5				
Equipment ID No. ES-24DC-2 Equip. Class 1 16 Equipment Description POWER SUPPLY FOR ECCS PANEL B  NO PHOTO  NO PHOTO	Seismic Walkdo	wn Checklist (S'	WC) SWEL1-	101	Status: Y⊠ N□ U□
NO PHOTO  NO PHOTO  NO PHOTO			-		
NO PHOTO NO PHOTO					
	Equipment Besserp	1011 1011 1011	72710112000		
					•
Note:		NO PHOTO			NO PHOTO
Note: Note:					
Note: Note:					
Note: Note:	ļ				
Note: Note:					
Note: Note:					
	Note:			Note:	
					•

ATTACHMENT 9.6 Seis	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC)SWEL1102	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)	
Equipment ID No. <u>CYL-72-1A</u> Equip. Class 1 <u>21</u>	
Equipment Description <u>NITROGEN BOTTLE FOR BACKUP SRV SUPPLY</u>	
Location: Bldg. <u>RB</u> Floor El. <u>252'</u> Room, Area <u>NORTH</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for documenting the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of the space is provided at the end of this checklist for the space is provided at the end of the spa	the results of judgments and
Anchorage	
<ol> <li>Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	Y N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 102</u>	
Equipment ID No. <u>CYL-72-1A</u> Equip. Class <sup>1</sup> <u>21</u>	
Equipment Description NITROGEN BOTTLE FOR BACKUP SRV SUPPLY	/
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for white anchorage configuration verification is required.)</li> </ol>	Y□ N□ U□ N/A⊠ ich
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	r 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?	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?  Three loose nuts exist on the cylinder u-bolts. All other nuts are tight. See AWC-029. Not a seismic concern.  See CB-VTY-2012-05006 for corrective action.	

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 102</u>	
Equipment ID No. <u>CYL-72-1A</u> Equip. Class <sup>1</sup> <u>21</u>	
Equipment Description NITROGEN BOTTLE FOR BACKUP SRV SUPPL	Υ
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment? A cylinder cart is near the existing nitrogen cylinder (less than 6"). It chained, but very close to the cylinder bottles. See AWC -029. Cart very light. Not a seismic concern.	is
Comments (Additional pages may be added as necessary)	
Reference Documents:	
Drawing 5920-12740, R0	
CR-VTY-2012-05006	
Evaluated by: Kirit Parikh Faike 10/18/2012	Date: <u>10/11/2012</u>
Randy Stephens Raudy Stephens 10/18	2012 10/11/2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

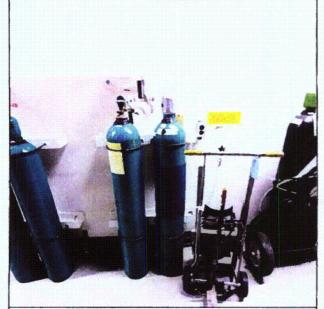
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 102

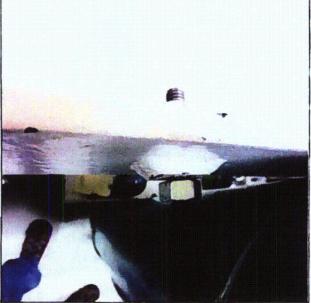
Equipment ID No. <u>CYL-72-1A</u> Equip. Class<sup>1</sup> <u>21</u>

Equipment Description <u>NITROGEN BOTTLE FOR BACKUP SRV SUPPLY</u>

#### **Photographs**



Note: ID# CYL-72-1A next to cylinder cart.



Note: Nut not fully engaged (left bottle, upper U-bolt).

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 5 of 5

Status: Y⊠ N□ U□

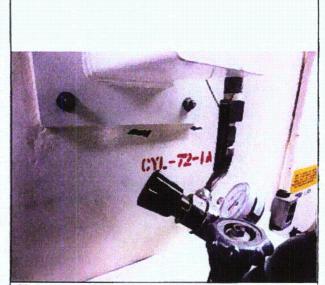
Seismic Walkdown Checklist (SWC) SWEL1- 102

Equipment ID No. <u>CYL-72-1A</u> Equip. Class<sup>1</sup> <u>21</u>

Equipment Description NITROGEN BOTTLE FOR BACKUP SRV SUPPLY



Note: Nut not fully engaged (left bottle, lower Ubolt).



Note: ID# CYL-72-1A

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 450 of 505

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL2- 001	Status: Y⊠ N□ U□
Equipment ID No. <u>RK-10AA</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMENTS</u>	ON RACKS
Equipment Description RACK	
Location: Bldg. RB Floor El. 303 Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	
Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors? There is a protective cover on the concrete and the concrete is not visible. However, the protective cover shows no signs of stress or cracking and is seismically okay by engineering judgment.	Y⊠ N□ U□ N/A□

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ř,

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 451 of 505

ATTACHMENT 9.6 SEI	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) SWEL2- 001	Status: Y⊠ N□ U□
Equipment ID No. <u>RK-10AA</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMENT</u>	S ON RACKS
Equipment Description RACK	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
7. 7.10 con tangete nee non impact by nearby equipment of enderares.	
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□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL2- 001	
Equipment ID No. <u>RK-10AA</u> Equip. Class <sup>1</sup> 18 - INSTRUM	ENTS ON RACKS
Equipment Description RACK	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	U □N ⊠Y blu
Comments (Additional pages may be added as necessary)	
SWEL2 PHOTOS	•
Evaluated by: Marcus Hecht-Nielsen /0/18/3018	Date: <u>10-10-2012</u>
Raymond Tworek Raym FRM 10/18/12	<u>10-10-2012</u>

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL2- 0</u>	001
Equipment ID No. <u>RK-10AA</u> Equip. Class <sup>1</sup>	18 - INSTRUMENTS ON RACKS
Equipment Description RACK	
Photographs	
6000 6 FINAL PROPERTY OF THE P	NO PHOTO

		Rε	ev.	υ
Page	454	of	50	5

ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
Seismic Walkdown Checklist (	SWC) SWELD (	Status: Y⊠ N□ U□
•	-	
Equipment ID No. RK-10AA	Equip. Class <sup>1</sup>	18 - INSTRUMENTS ON RACKS
Equipment Description RACK		
·		·
	1 1	
NO PHOTO		NO PHOTO
NOTHOIO		NO PHOTO
		•
Note:		Note:

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) SWEL2- 002	Status: Y⊠ N□ U□
Equipment ID No. dPT-19-76A Equip. Class 1 18 - INSTRUME	NTS ON RACKS
Equipment Description DIFFERENTIAL PRESSURE TRANSMITTER (RK	-10AA)
Location: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y□ N⊠
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	YM U UNA
Is the anchorage free of visible cracks in the concrete near the anchors?      Attached to rack.	Y N U N/A

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286. Appendix B: Classes of Equipment.

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5 Seismic Walkdown Checklist (SWC) SWEL2- 002	Status: Y⊠ N□ U□
Equipment ID No. <u>dPT-19-76A</u> Equip. Class <sup>1</sup> 18 - INSTRUMI	ENTS ON RACKS
Equipment Description DIFFERENTIAL PRESSURE TRANSMITTER (RM	(-10AA)
<ol> <li>Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for we anchorage configuration verification is required.)</li> </ol>	? Ÿ□ N□ Ü□ N/A⊠ hich
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	of Y⊠N□U□
	<del>reget en la transferación de la constant</del> e
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 light and masonry block walls not likely to collapse onto the equipment?	ting, 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 fr of potentially adverse seismic interaction effects?	ree Y⊠ N□ U□

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL2- 002</u>	
Equipment ID No. <u>dPT-19-76A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUM</u>	IENTS ON RACKS
Equipment Description <u>DIFFERENTIAL PRESSURE TRANSMITTER (R.</u>	K-10AA)
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
SWEL2 PHOTOS	•
Evaluated by: Marcus Hecht-Nielsen	Date: <u>10-10-2012</u>
Raymond Tworek Raymon & Twonh 10/18	10-10-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

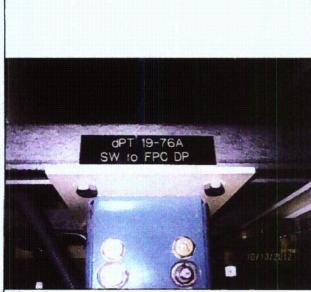
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL2- 002

Equipment ID No. <u>dPT-19-76A</u> Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description DIFFERENTIAL PRESSURE TRANSMITTER (RK-10AA)

## **Photographs**



Note: dPT-19-76A



Note: dPT-19-76A

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR			
Sheet 5 of 5				
	Status: Y⊠ N□ U□			
Seismic Walkdown Checklist (SWC) <u>SWEL2</u>	2- 002			
Equipment ID No. <u>dPT-19-76A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMENTS ON RACKS</u>				
Equipment Description DIFFERENTIAL PRESSURE	TRANSMITTER (RK-10AA)			
NO PHOTO  Note:	NO PHOTO  Note:			

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM			
Sheet 1 of 5				
	Status: Y⊠ N□ U□			
Seismic Walkdown Checklist (SWC) <u>SWEL2- 003</u>				
Equipment ID No. PT-19-81A Equip. Class 1 18 - INSTRUMENTS ON RACKS				
Equipment Description PRESSURE TRANSMITTER (RK-10AA)				
Location: Bldg. RB Floor El. 303 Room, Area				
Manufacturer, Model, Etc. (optional but recommended)				
Instructions for Completing Checklist				
This checklist may be used to document the results of the Seismic Walkdow SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	cord the results of judgments and			
Anchorage				
<ol> <li>Is the anchorage configuration verification required (i.e., is the item of of the 50% of SWEL items requiring such verification)?</li> </ol>	one Y□ N⊠			
Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□			
2. Is the anchorage free of bent, broken, missing of loose hardware:	IM WE OF WAT			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	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?  Attached to rack:	ישייים טבו ואיישי			

<sup>&</sup>lt;sup>1</sup> Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

ATTACHMENT 9.6 SEISMIC WALKDOWN CHEC	
Sheet 2 of 5	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC)SWEL2003	
Equipment ID No. <u>PT-19-81A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUMENTS</u>	ON RACKS
Equipment Description PRESSURE TRANSMITTER (RK-10AA)	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which anchorage configuration verification is required.)</li> </ol>	Y□ N□ U□ N/A⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
Interaction Effects  7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□

Engineering Report VTY-RPT-12-00019 Rev. 0 Page 462 of 505

ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL2- 003</u>	
Equipment ID No. <u>PT-19-81A</u> Equip. Class <sup>1</sup> <u>18 - INSTRUM</u>	IENTS ON RACKS
Equipment Description PRESSURE TRANSMITTER (RK-10AA)	
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 Y⊠ N□ U□
Comments (Additional pages may be added as necessary)	
SWEL2 PHOTOS	
Evaluated by: Marcus Hecht-Nielsen 11/18/50	Date: <u>10-10-2012</u>
Raymond Tworek Raym & Troub	10-10-2012

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL2- 003

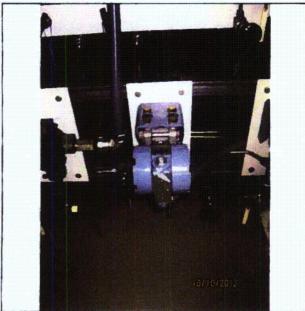
Equipment ID No. PT-19-81A Equip. Class 1 18 - INSTRUMENTS ON RACKS

Equipment Description PRESSURE TRANSMITTER (RK-10AA)

#### **Photographs**



Note: PT-19-81A



Note: PT-19-81A

ATTACHMENT 9.6	•	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
Seismic Walkdown Checklist (SWC) _	SWEL2- 003	Status: Y⊠ N□ U□
Equipment ID No. PT-19-81A	Equip. Class¹ <u>18 - INSTRU</u>	MENTS ON RACKS
Equipment Description PRESSURE TRANS	SMITTER (RK-10AA)	,
NO PHOTO		NO PHOTO
Note:	Note:	