Attachment C	Engineering Report VTY-RPT-12-0 R
·	Page 465 of
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 1 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL2-004</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>PS-19-80A</u> Equip. Class ¹ <u>18 - INSTRUME</u>	NTS ON RACKS
Equipment Description PRESSURE SWITCH (RK-10AA)	<u></u>
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 re findings. Additional space is provided at the end of this checklist for docume	cord the results of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one Y N
2. Is the anchorage free of bent, broken, missing or loose hardware?	
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? 	
Attached to rack.	

¹ Enter the equipment class name from EPRI 1025286; Appendix B: Classes of Equipment.

	Attachment C	Engineering Report VTY-RPT-12-00
		Page 466 of
TTACH	MENT 9.6	SEISMIC WALKDOWN CHECKLIST FOR
Sheet 2		
Seism	nic Walkdown Checklist (SWC) <u>SWEL2- 004</u>	Status: Y⊠ N⊡ U⊡
Equipn	nent ID No. <u>PS-19-80A</u> Equip. Class¹ <u>18 - IN</u>	STRUMENTS ON RACKS
Equipr	nent Description PRESSURE SWITCH (RK-10AA)	
5.	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.)	
6.	Based on the above anchorage evaluations, is the anchora potentially adverse seismic conditions?	age free of Y⊠ N□ U□
	ction Effects Are soft targets free from impact by nearby equipment or s	structures? YX N UNA
8.	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	ge? Y⊠ N□ U□ N/A□
	Based on the above seismic interaction evaluations, is equ of potentially adverse seismic interaction effects?	uipment free YX N U

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		Engineering Report VTY-RPT-12-00 R
		Page 467 of
ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 5		
		Status: Y🖾 N🗌 U
Seismic Walkdown C	hecklist (SWC) <u>SWEL2- 004</u>	_
Equipment ID No. PS-	<u>19-80A ັ</u> Equip. Class¹ <u>18 - /</u>	NSTRUMENTS ON RACKS
Equipment Description	PRESSURE SWITCH (RK-10AA)	
Other Adverse Conditio	DNS	
	for and found no other seismic condition he safety functions of the equipment?	ns that could Y⊠ N□ U□
<u>Comments (</u> Additional p	ages may be added as necessary)	
<u>Comments (</u> Additional p SWEL2 PHOTOS	•	
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· · · · · · · · · · · · · · · · · · ·	•	
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	•	
SWEL2 PHOTOS	5	10/15/2011 Date: 10-10-2012
	Secht-Nielsen	$\frac{10.10-2012}{10-10-2012}$

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ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

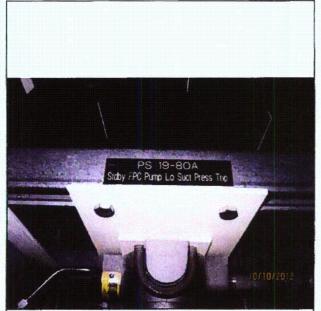
Status: YX N U

Seismic Walkdown Checklist (SWC) SWEL2- 004

Equipment ID No. <u>PS-19-80A</u> Equip. Class¹ <u>18 - INSTRUMENTS ON RACKS</u>

Equipment Description PRESSURE SWITCH (RK-10AA)

Photographs



Note: PS-19-80A



Atta	ichment C Engineering Report VTY-RPT-12-000 Rev Page 469 of 5
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5 Seismic Walkdown Checklist (SWC) <u>SWE</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>PS-19-80A</u> Equip.	Class ¹ 18 - INSTRUMENTS ON RACKS
Equipment Description <u>PRESSURE SWITCH (Rk</u>	
NO PHOTO Note:	NO PHOTO
· · · · · · · · · · · · · · · · · · ·	

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TACHMENT 9.6 SEISI Deet 1 of 5 eismic Walkdown Checklist (SWC)	an item of equipment on the
eeet 1 of 5 eismic Walkdown Checklist (SWC) <u>SWEL2- 005</u> quipment ID No. <u>PI-19-84A</u> Equip. Class ¹ <u>18 - INSTRUMENTS</u> quipment Description <u>PRESSURE INDICATOR (RK-10AA)</u> ocation: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area lanufacturer, Model, Etc. (optional but recommended)	Status: Y⊠ N⊡ U⊡ SON RACKS
eismic Walkdown Checklist (SWC) <u>SWEL2- 005</u> quipment ID No. <u>PI-19-84A</u> Equip. Class ¹ <u>18 - INSTRUMENTS</u> quipment Description <u>PRESSURE INDICATOR (RK-10AA)</u> ocation: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area lanufacturer, Model, Etc. (optional but recommended)	ON RACKS
quipment ID No. <u>PI-19-84A</u> Equip. Class ¹ <u>18 - INSTRUMENTS</u> quipment Description <u>PRESSURE INDICATOR (RK-10AA)</u> ocation: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area lanufacturer, Model, Etc. (optional but recommended)	ON RACKS
quipment ID No. <u>PI-19-84A</u> Equip. Class ¹ <u>18 - INSTRUMENTS</u> quipment Description <u>PRESSURE INDICATOR (RK-10AA)</u> ocation: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area lanufacturer, Model, Etc. (optional but recommended)	an item of equipment on the
quipment Description PRESSURE INDICATOR (RK-10AA) ocation: Bidg. Result Floor El. 303 Room, Area lanufacturer, Model, Etc. (optional but recommended)	an item of equipment on the
ocation: Bidg. <u>RB</u> Floor El. <u>303</u> Room, Area lanufacturer, Model, Etc. (optional but recommended)	an item of equipment on the
lanufacturer, Model, Etc. (optional but recommended)	an item of equipment on the
structions for Completing Checklist	
his checklist may be used to document the results of the Seismic Walkdown of WEL. The space below each of the following questions may be used to record ndings. Additional space is provided at the end of this checklist for documenting	g other comments.
nchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y NX
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Attached to rack.	
· ·	

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

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	Attachment C		
			Rev. Page 471 of 50
HMENT 9.6		SEISMIC WALKDOWN	
2 of 5	·		
nic Walkdown Checklist (SWC) <u>SWEL2- 005</u>	Status: Y	
ment ID No. <u>PI-19-84A</u>	Equip. Class ¹ <u>18 - INS</u>	RUMENTS ON RACKS	
ment Description PRESSUR	E INDICATOR (RK-10AA)	·	
(Note: This question only ap	plies if the item is one of the 50%	ntation? Y N U] N/A⊠
		e free of Y⊠N□U]
ction Effects Are soft targets free from imp	pact by nearby equipment or stru	ictures? Y⊠ N⊡ U⊡) N/A
) N/A
Do attached lines have adeq	uate flexibility to avoid damage?		N/A
		nent free Y 🛛 N 🗌 U 🗌	
	· · ·		
	2 of 5 nic Walkdown Checklist (ment ID No. <u>PI-19-84A</u> ment Description <u>PRESSUR</u> Is the anchorage configuration (Note: This question only appring anchorage configuration verified by the above anchorage configuration verified by the above seismic of the above seismic of the above selsmic of the above selsmic free from implement, distance and masonry block walls not book walls not book walls not book walls not book and the above selsmic free from the above selsmic free free free from the above selsmic free free free free free free free fre	IMENT 9.6 2 of 5 nic Walkdown Checklist (SWC)SWEL2005	Engineering Report V IMENT 9.6 Seismic Walkdown (2 of 5 Are soft targets free from impact by nearby equipment or structures? Y N ∪ U Are overhead equipment, distribution systems, ceiling tiles and lighting. Y N ∪ U Are overhead equipment, distribution systems, ceiling tiles and lighting. Y N ∪ U Are overhead equipment, distribution systems, ceiling tiles and lighting. Y N ∪ U Based on the above selsmic interaction evaluations, is equipment free Y N ∪ U

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	Attachment C E	ngineering Report VTY-RPT-12-0 R Page 472 o
ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FO
Sheet 3 of 5 Seismic Walkdown Checklist (SW	C) SWEL2- 005	Status: Y⊠ N⊟ U⊟
Equipment ID No. PI-19-84A	Equip. Class ¹ _ <u>18 - INSTRUME</u>	NTS ON FACKS
Equipment Description PRESSURE IN		
Other Adverse Conditions		,
11. Have you looked for and found n adversely affect the safety function		
 Have you looked for and found n adversely affect the safety function <u>Comments</u> (Additional pages may be additional pages ma	ions of the equipment?	
11. Have you looked for and found n adversely affect the safety function	ions of the equipment?	
 Have you looked for and found n adversely affect the safety function <u>Comments</u> (Additional pages may be additional pages ma	ions of the equipment?	

Attachment C Engineering Report VTY-RPT-12-00019 Rev. 0 Page 473 of 505 ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST FORM Sheet 4 of 5 Status: YX N U Seismic Walkdown Checklist (SWC) SWEL2- 005 Equipment ID No. PI-19-84A Equip. Class¹ 18 - INSTRUMENTS ON RACKS Equipment Description PRESSURE INDICATOR (RK-10AA) **Photographs** 3-84A Sloby FPC Pump Sucl Press NO PHOTO Note: PI-19-84A Note:

Attachment C

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ATTACHMENT 9.6				SEISMIC WALKDOW	VN CHE	CKLIST FORM
Sheet 5 of 5						
				Status:		
Seismic Walkdo	wn Checklist (SWC)	SWEL2-	005			
Equipment ID No.	<u>PI-19-84A</u>	Equip. Clas	s' <u>18 - INSTRUN</u>	MENTS ON RACKS		
Equipment Descrip	otion PRESSURE INDIC	CATOR (RK-	10AA)			
Note:	NO PHOTO		Note:	NO PHOTO		

		Attachment C	Engineering Report VTY-RPT-12-00
			Page 475 of
ATTAC	HMENT 9.6		SEISMIC WALKDOWN CHECKLIST FOR
Sheet	1 of 5		
Soier	nic Walkdown Checklist (SV		Status: Y🛛 N🗌 U
	ment ID No. <u>FI-19-73</u>	·	
	ment Description FLOW INDICA		<u> </u>
	on: Bldg. <u>RB</u> Floor El		
	facturer, Model, Etc. (optional but		
	ctions for Completing Checklis		
SWEL	. The space below each of the fo	nt the results of the Seismic Walko llowing questions may be used to at the end of this checklist for docu	down of an item of equipment on the record the results of judgments and imenting other comments.
Anch	Drage		
1.	Is the anchorage configuration of the 50% of SWEL items requ	verification required (i.e., is the iter iring such verification)?	mone Y N
2.	Is the anchorage free of bent, b	roken, missing or loose hardware?	? Y⊠ N⊡ U⊡ N/A⊡
3.	Is the anchorage free of corrosic oxidation?	on that is more than mild surface	
4.	Is the anchorage free of visible anchors? Attached to rack.	cracks in the concrete near the	
	. "		

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¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Attachment C E	Engineering Report VTY-RPT-12-00 Re
	Page 476 of
ATTACHMENT 9.6 Sheet 2 of 5	SEISMIC WALKDOWN CHECKLIST FOR
Seismic Walkdown Checklist (SWC) <u>SWEL2-006</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>FI-19-73</u> Equip. Class ¹ _0	·
Equipment Description FLOW INDICATOR	·
 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.) 	
6. Based on the above anchorage evaluations, is the anchorage free o potentially adverse seismic conditions?	
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?	
10. Based on the above seismic interaction evaluations, is equipment fre of potentially adverse seismic interaction effects?	

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		Fage 477 c
TTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FO
heet 3 of 5		
Seismic Walkdown Checklist (SV	NC) <u>SWEL2- 006</u>	Status: YX N U
Equipment ID No. FI-19-73	Equip. Class ¹ _0	·····
Equipment Description FLOW INDIC,	ATOR	· · · · · · · · · · · · · · · · · · ·
Other Adverse Conditions	······	
11. Have you looked for and found adversely affect the safety func		ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	ns that could Y⊠ N□ U□
adversely affect the safety func	tions of the equipment?	Image: State of the state
adversely affect the safety func <u>Comments (</u> Additional pages may be <i>SWEL2 PHOTOS</i>	added as necessary)	

Attach	hment C Engineering Report VTY-RPT-12-000 Rev Page 478 of 5
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	_2- 006
Equipment ID No. FI-19-73 Equip. C	Class ¹ _0
Equipment Description FLOW INDICATOR	
Photographs	
<image/>	NO PHOTO

Attachment C	Engineering Report VTY-RPT-12-00019 Rev. 0 Page 479 of 50
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL2- 006</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>FI-19-73</u> Equip. Class ¹ _0	
Equipment Description FLOW INDICATOR	
NO PHOTO	ΝΟ ΡΗΟΤΟ
Note: Note	:

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	Attachment C	Engineering Report VTY-RPT-12-00019 Rev. 0 Page 480 of 505
ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5 Seismic Walkdown Checklist (SWC)	Status: Y⊠ N⊡ U⊡
Equipment ID No. V70-257B	_ Equip. Class ¹ _ <u>BA</u>	
Equipment Description SW MOV SFPC I	Hx OUTLET	
Location: Bldg. <u>RB</u> Floor El. <u>3</u>	3 <u>03 </u>	P Hx RM
Manufacturer, Model, Etc. (optional but re	commended)	
Instructions for Completing Checklist This checklist may be used to document the SWEL. The space below each of the follow findings. Additional space is provided at the	wing questions may be use	d to record the results of judgments and
Anchorage 1. Is the anchorage configuration veri of the 50% of SWEL items requirin		item one Y□ N⊠
2. Is the anchorage free of bent, brokThis is an inline valve	en, missing or loose hardw	are? Y N U N/A
3. Is the anchorage free of corrosion to oxidation?	that is more than mild surfa	ce Y N U V N/A⊠
 See Question 2 4. Is the anchorage free of visible crac anchors? 	cks in the concrete near the	
See Question 2		

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^{*} Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

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ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL2- 007</u>	
Equipment ID No. <u>V70-257B</u> Equip. Class ¹ <u>8A</u>	
Equipment Description SW MOV SFPC Hx OUTLET	
 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
Not one of the 50% Items	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI
See Question 5	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YX NO UO N/AO
 There is a conduit that passes within 2" of the valve. The conduit is seismically restrained and presents no adverse seismic concerns. 	
 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? There is a Unistrut style support for the valve's conduit. Where the support mounts to the wall there is an abandoned nut in the 	
Unistrut track. It has a spring retainer and a relatively small mass if it were to fall on the valve it would have no adverse seismic impact.	
 There are 2 Akteck hoist rings above the valve, they were inspected from the ground and appear to be securely mounted per manufacturer and plant requirements. 	
9. Do attached lines have adequate flexibility to avoid damage?	
Lines were visually inspected	
 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See above questions 	

	Attac	hment C Eng	ineering Report VTY-RPT-1	2-0001 Rev.
ATTACHMENT 9.6	· · · · · · · · · · · · · · · · · · ·	Êri	Page 48 SMIC WALKDOWN CHECKLIST	<u>2 of 50</u>
Sheet 3 of 5	· · · · · · · · · · · · · · · · · · ·		SINIC WALKDUWN CHECKLIST	FURM
			Status: Y🔀 N 🗍 l	J T
Seismic Walkdown	Checklist (SWC) <u>SWE</u>	L2- 007		
Equipment ID No. V7	0-257B Equip.	Class ¹ _ <i>8A</i>	<u> </u>	
Equipment Description	SW MOV SFPC Hx OUTL	<u>.</u>		
Other Adverse Condit	ions			
adversely affect	d for and found no other seis the safety functions of the e nspection was conducted			
Comments (Additional	pages may be added as ne	cessary)	······································	
SWEL2 PHOTO	DS ·			`
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•		and the state of t	a.	,
Evaluated by: Mike Ros	e Mun Per	na anti mananti ili ili ili ili ili ili ili ili ili i	Data: 10/22/12	27.85
Evaluated by. Ivine Hos			Date: <u>10/22/12</u>	
Dave Gri	mes DFLJuin		10/22/12	
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ATTACHMENT 9.6	Attachment C	Engineering Report VTY-RPT-12-00019 Rev. 0 Page 483 of 505 SEISMIC WALKDOWN CHECKLIST FORM
Sheet 4 of 5 Seismic Walkdown Checklist (SWC)		Status: Y⊠ N□ U□
Equipment ID No. V70-257B		
Equipment Description <u>SW MOV SFPC Harrow</u> Photographs	(UUILEI	
Note:	Note:	

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ATTACHMENT 9.6 SEISMIC WALKDOWN CHECKLIST Sheet 5 of 5 Status: Y⊠ N⊡ U Seismic Walkdown Checklist (SWC) <u>SWEL2- 007</u> Equipment ID No. <u>V70-257B</u> Equip. Class ¹ <u>8A</u> Equipment Description <u>SW MOV SFPC Hx OUTLET</u>	12-0001 Rev. 84 of 50
Status: YX N U Seismic Walkdown Checklist (SWC) <u>SWEL2-007</u> Equipment ID No. <u>V70-257B</u> Equip. Class ¹ <u>8A</u>	
Seismic Walkdown Checklist (SWC) SWEL2-007 Equipment ID No. V70-257B Equip. Class ¹ 8A	
Equipment Description SW MOV SFPC Hx OUTLET	
No Photo No Photo	
Note: Note:	

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Attachment C Engir	neering Report VTY-RPT-12-0001 Rev. (Page 485 of 50
	MIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL2- 008</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. P19-2A Equip. Class ¹ 5	
Equipment Description SFPC PUMP	
Location: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area <u>FP Hx RM</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	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y NX
 2. Is the anchorage free of bent, broken, missing or loose hardware? Anchorage was visually inspected, all nuts and bolts were installed and securely engaged. 	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
Visually inspected	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
Visually inspected	

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^{*} Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

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ATTACHMENT 9.6 SE	SMIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5	
Seismic Walkdown Checklist (SWC) <u>SWEL2- 008</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>P19-2A</u> Equip. Class ¹ _5	
Equipment Description SFPC PUMP	
 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Although not part of the 50% anchorage verification. All 	
anchorage was inspected and verified to be consistent with plant documentation.	
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 	YX NI UI
See above responses.	
Interaction Effects	
 7. Are soft targets free from impact by nearby equipment or structures? Area was visually inspected and all soft targets a free from impact concerns that would create an adverse seismic condition. 	YX NI UI N/AI
8. Are overhead equipment, distribution systems, ceiling tiles and lighting,	
 and masonry block walls not likely to collapse onto the equipment? Cable Trays above the pump are adequately supported. 	
 9. Do attached lines have adequate flexibility to avoid damage? Visually inspected 	
 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See above responses. 	

	Attachment C	Engineering Report VTY-RPT-12-000
ATTACHMENT 9.6		Page 487 of 5 SEISMIC WALKDOWN CHECKLIST FORM
Sheet 3 of 5		
Seismic Walkdown Checklist (SWC)) <u>SWEL2008</u> _	Status: Y⊠ N∏ U∏
Equipment ID No. <u>P19-2A</u>	_ Equip. Class ¹ _5	
Equipment Description SFPC PUMP		
Other Adverse Conditions		
 11. Have you looked for and found no adversely affect the safety function Area was visually inspecte 	ns of the equipment?	at could Y⊠ N□ U□
Comments (Additional pages may be add	led as necessary)	
SWEL2 PHOTOS	•/	
Evaluated by: Mike Rose Miles Reco		Date: <u>10/22/12</u>
Dave Grimes_DFよ,		10/22/12
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Attachment C

ATTACHMENT 9.6 Sheet 4 of 5

SEISMIC WALKDOWN CHECKLIST FORM

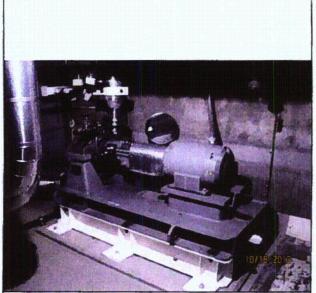
Seismic Walkdown Checklist (SWC) SWEL2- 008

Status: YX N U

Equipment ID No. P19-2A Equip. Class¹ 5

Equipment Description SFPC PUMP

Photographs



Note:



Note:

Attac	chment C Engineering Report VTY-RPT-12-0001 Rev. (Page 489 of 50
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5 Seismic Walkdown Checklist (SWC)SWEL	Status: Y⊠ N□ U□
	Class ¹ _5
Equipment Description SFPC PUMP	·
Note:	No Photo Note:

Attachment C	
	Engineering Report VTY-RPT-12-00019 Rev. 0 Page 490 of 505
ATTACHMENT 9.6	SEISMIC WALKDOWN CHECKLIST FORM
Sheet 1 of 5	Status: Y⊠ N⊡ U⊡
Seismic Walkdown Checklist (SWC) <u>SWEL2- 009</u>	
Equipment ID No. <u>E19-2A</u> Equip. Class ¹ _21	· · · · · · · · · · · · · · · · · · ·
Equipment Description SFPC HEAT EXCHANGER	
Location: Bldg. <u>RB</u> Floor El. <u>303</u> Room, Area <u>FP Hx</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 re findings. Additional space is provided at the end of this checklist for docum	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? Anchorage was visually inspected, all nuts and bolts were installed and securely engaged. 	YX NO UNAO
 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Visually inspected 	YX NO UO N/AO
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Visually inspected 	YX N U N/A

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¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

Attachment C

ATTACHMENT 9.6 SEIS	MIC WALKDOWN CHECKLIST FORM
Sheet 2 of 5 Seismic Walkdown Checklist (SWC) <u>SWEL2- 009</u>	Status: Y⊠ N⊡ U⊡
Equipment ID No. <u>E19-2A</u> Equip. Class ¹ _21	
Equipment Description SFPC HEAT EXCHANGER	
 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Although not part of the 50% anchorage verification. All anchorage was inspected and verified to be consistent with plant documentation. 	Y N V NAX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NI UI
See above responses.	
Interaction Effects	
 7. Are soft targets free from impact by nearby equipment or structures? Area was visually inspected and all soft targets a free from impact concerns that would create an adverse seismic condition 	YX NI UI N/AI
 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Cable Trays and piping above the heat exchanger are adequately supported. 	Y⊠ N□ U□ N/A□
 9. Do attached lines have adequate flexibility to avoid damage? Visually inspected 	Y⊠ N□ U□ N/A□
 10. Based on the above seismic interaction evaluations; is equipment free of potentially adverse seismic interaction effects? See responses above 	

See responses above

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	Rev. Page 492 of 50
ATTACHMENT 9.6 Sheet 3 of 5	SEISMIC WALKDOWN CHECKLIST FORM
Seismic Walkdown Checklist (SWC) <u>SWEL2- 009</u>	Status: Y⊠ N⊟ U⊟
Equipment ID No. <u>E19-2A</u> Equip. Class ¹ _21	
Equipment Description SFPC HEAT EXCHANGER	·····
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that of adversely affect the safety functions of the equipment? • Area was visually inspected	could YX N U
<u>Comments (</u> Additional pages may be added as necessary) SWEL2 PHOTOS	
Evaluated by: <u>Mike Rose</u>	Date: <u>10/22/12</u>
Dave Grimes DF.Jm	10/22/12

Atta	chment C	
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	terre and the second	Page 493 of
TTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
iheet 4 of 5		
		Status: Y🛛 N🗌 U🗋
Seismic Walkdown Checklist (SWC) <u>SWE</u>	L2- 009	
Equipment ID No. <u>E19-2A</u> Equip.	Class ¹ _21	
Equipment Description SFPC HEAT EXCHANGE	R	
Photographs		And and a second s
	5 5	
· · · · · · · · · · · · · · · · · · ·		
THE F SAIL		
UC 5/10/2		STATISTICS AND
Note:	Note:	
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Attachm	ent C Engineering Report VT	Y-RPT-12-00019
		Rev. 0 Page 494 of 505
Attachment 9.6	SEISMIC WALKDOWN CHE	CKLIST FORM
Sheet 5 of 5		
Seismic Walkdown Checklist (SWC) <u>SWEL2-</u>	009	
Equipment ID No. E19-2A Equip. Class	s1 <u>21</u>	
Equipment Description SFPC HEAT EXCHANGER	-	
Note:	Note:	16/15/2012

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R	eering Report VTY-	Engir	Attachment C		
Page 495 o	Part Part Part Part Part Part Part Part	SEICA		ATTACHMENT 9.6	
ECREIOT F OF				Sheet 1 of 5	
	Status: Y🛛 N	_	(SWC) <u>SWEL2- 010</u>	Seismic Walkdown Checklist (Seismi
			Equip, Class ¹ 20	Equipment ID No. CAD PANEL B	Equipm
		a <u>CONTRM</u>	r El. <u>272'</u> Room, Are	Location: Bldg. <u>CB</u> Floor	Location
			but recommended)	Manufacturer, Model, Etc. (optional l	Manufa
			klist	Instructions for Completing Check	Instruc
ments and	the results of judgm	used to record	ment the results of the Seisr e following questions may b	This checklist may be used to docun SWEL. The space below each of the findings. Additional space is provided	This che SWEL.
				Anchorage	<u>Anchor</u>
	Y NX	s the item one		 Is the anchorage configuration of the 50% of SWEL items re 	
N/A⊠	Y N U N/	ardware?	t, broken, missing or loose t	2. Is the anchorage free of bent	-2.
N/AIXI		surface	osion that is more than mild	3. Is the anchorage free of corro oxidation?	
N/A	Y⊠ N∏ U∏ N/.	ar the	ble cracks in the concrete ne	4. Is the anchorage free of visible anchors?	
N	YX N U U	ar the	ble cracks in the concrete ne		

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

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	Attachment C	Engineerin	g Report VT	Y-RPT-12-00 Re Page 496 of
ATTACHMENT 9.6	· · · · · · · · · · · · · · · · · · ·	SEISMIC W	ALKDOWN CI	HECKLIST FOR
Sheet 2 of 5 Seismic Walkdown Checklist (SWC)	SWEL2- 010	S	Status: Y区	
Equipment ID No. <u>CAD PANEL B</u>	_ Equip. Class ¹ _20			
5. Is the anchorage configuration cons (Note: This question only applies if nchorage configuration verification	the item is one of the 50% for			N/A
Based on the above anchorage eva potentially adverse seismic condition		ee of Y 🛛		• •
Interaction Effects 7. Are soft targets free from impact by	v nearby equipment or structu	ires? Y⊠		N/A
8. Are overhead equipment, distribution and masonry block walls not likely t				N/A
9. Do attached lines have adequate fle	exibility to avoid damage?	Y⊠	N[] U[]	N/A
10. Based on the above seismic interact of potentially adverse seismic interact		nt free Y 🛛		

- -		Attach	nment C	Engineering Rep	ort VTY-RPT-12-000
	· _ · .		<u>, </u>		Re Page 497 of
ATTACHMENT 9.6				SEISMIC WALKDO	WN CHECKLIST FORM
Sheet 3 of 5			· · ·	• · · • • • •	
Seismic Walkdow	n Checklist (SWC) <u>SWEL</u>	<u>2- 010</u>	Status:	Y⊠ N⊟ U⊟
Equipment ID No. (CAD PANEL B	Equip. C	lass ¹ _20	·	
Equipment Description	n		1	The second s	
Other Adverse Cond	litions	na an a	2 7 7 7 7	na _31. / 3.	
		nd no other seisn nctions of the eq	nic conditions that co uipment?	ould YX N	U
Comments (Addition	al pages may b	e added as nece	essary)		,
Free Loop at the state of the			- illind		15 0010
Evaluated by: Marcus	Hecht-Weiser)-c/) Date: <u>10-</u>	15-2012
Raymo	nd Tworek	Roym + 7	went 10/18/1	<u>10-</u>	15-2012
	•				

ATTACHMENT 9.6 Sheet 4 of 5	SEISMIC WALKDOWN CHECKLIS	T FOR
Seismic Walkdown Checklist (SWC) <u>SWE</u>	Status: Y⊠ N□	υ
Equipment ID No. <u>CAD PANEL B</u> Equip. Equipment Description	Class ¹ _20	
Photographs		
	NO PHOTO	
Note: CAD PANEL B	Note:	

	Attachment C	Engineering Report VTY-RPT-12-0001 Rev.
ATTACHMENT 9.6	<u></u>	Page 499 of 50 SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
Seismic Walkdown Checklist (SWC) _	SWEL2- 010	Status: Y🛛 N🗍 U
Equipment ID No. <u>CAD PANEL B</u>	Equip. Class ¹ _20	
Equipment Description		
ΝΟ ΡΗΟΤΟ		NO PHOTO
Note:	Note:	·
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Attachment C Engineering Report VTY-RPT-12-00019 Rev. 0 Page 500 of 505 SEISMIC WALKDOWN CHECKLIST FORM **ATTACHMENT 9.6** Sheet 1 of 5 Status: YX N U Seismic Walkdown Checklist (SWC) _ SWEL2- 011 Equip. Class¹_18 - INSTRUMENTS ON RACKS Equipment ID No. FT-104-80A Equipment Description FLOW 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 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 Y N 1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? YX NO UO N/AO 2. Is the anchorage free of bent, broken, missing or loose hardware? 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? Attached to rack.

¹ Enter the equipment class name from EPRI 1025286, Appendix B: Classes of Equipment.

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	IMENT 9.6		SEISMIC WALKD	OWN CHECKLIST FOR
Sheet 2	2 of 5			
Seisn	nic Walkdown Checklist (SWC)	SWEL2- 011	Statu	s: Y⊠ N□ U□
Equip	ment ID No. <u>FT-104-80A</u>	Equip. Class ¹ <u>18 - INS</u>	RUMENTS ON RACH	(S
Equip	ment Description <u>FLOW TRANSMIT</u>	TER (RK-10AA)	· · · · · · · · · · · · · · · · · · ·	
5.	Is the anchorage configuration cons (Note: This question only applies if t anchorage configuration verification	the item is one of the 50%	ntation? Y N] U 🗌 N/A 🛛
6.	Based on the above anchorage eva potentially adverse seismic condition		e free of Y⊠ N] U[]
	ction Effects Are soft targets free from impact by	nearby equipment or stru	ictures? Y⊠ N⊡) U 🗌 N/A 🗍
8.	Are overhead equipment, distributio and masonry block walls not likely to] U N/A
9.	Do attached lines have adequate fle	exibility to avoid damage?	YN N] U[] N/A[]
10.	Based on the above selsmic interac of potentially adverse seismic intera		ment free YX N) U[]

	Attachment C	Engineering Report VTY-RPT-12-00
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ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FOR
Sheet 3 of 5		
Seismic Walkdown Checklist	t (SWC) <u>SWEL2- 011</u>	Status: Y⊠ N∏ U∏
Equipment ID No. FT-104-80A	Equip. Class ¹ _ <u>18 - INSTRL</u>	JMENTS ON RACKS
Equipment Description FLOW TE	RANSMITTER (RK-10AA)	
Other Adverse Conditions		
adversely affect the safety	functions of the equipment?	
adversely affect the safety		
<u>Comments (Additional pages may</u>		
<u>Comments (</u> Additional pages may		

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Attachment C

Status: YX N U

ATTACHMENT 9.6

Sheet 4 of 5

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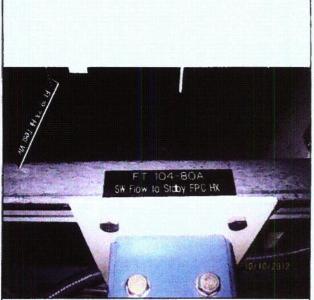
SEISMIC WALKDOWN CHECKLIST FORM

Seismic Walkdown Checklist (SWC) SWEL2- 011

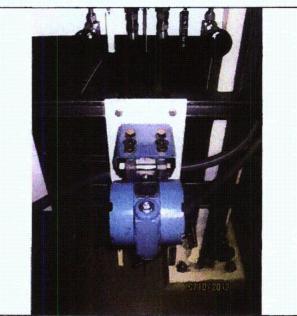
Equipment ID No. FT-104-80A Equip. Class¹ 18 - INSTRUMENTS ON RACKS

Equipment Description FLOW TRANSMITTER (RK-10AA)

Photographs



Note: FT-104-80A



Note: FT-104-80A

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ATTACHMENT 9.6		SEISMIC WALKDOWN CHECKLIST FORM
Sheet 5 of 5		
		Status: YX N
Seismic Walkdown Checklist (SWC	;) <u>SWEL2- 011</u>	
Equipment ID No. <u>FT-104-80A</u>	Equip. Class ¹ _18 - INST	RUMENTS ON RACKS
Equipment Description FLOW TRANSM	ITTER (RK-10AA)	
NO PHOTO		ΝΟ ΡΗΟΤΟ
Note:	Note:	

Items Deferred to RFO 30 (March 2013)

			Steam
SWEL1-030	V23-16	HPCI/STEAM SUPPLY MOV	Tunnel
			Steam
SWEL1-053	V2-86A	MAIN STEAM/OUTBOARD MSIV	Tunnel
		MAIN STEAM/OUTBOARD MSIV INST AIR SUPPLY	Steam
SWEL1-054	S-2-6A	ACCUMULATOR	Tunnel
			Steam
SWEL1-073	TS-23-101A	HPCI/STEAM LEAK DETECTOR	Tunnel
			Steam
SWEL1-074	TS-23-102A	HPCI/STEAM LEAK DETECTOR	Tunnel
			Steam
SWEL1-075	TS-23-103A	HPCI/STEAM LEAK DETECTOR	Tunnel
			Steam
SWEL1-076	TS-23-104A	HPCI/STEAM LEAK DETECTOR	Tunnel
			Steam
SWEL1-077	SE-2-86A-1	MS/OUTBOARD MSIV SOLENOID AC/DC	Tunnel

Steam Tunnel

Drywell

SWEL1-029	V23-15	HPCI/STEAM SUPPLY MOV	Dryweil
SWEL1-041	TE-16-19-30A	DW TEMP INDICATION	Drywell
SWEL1-052	V2-80D	MAIN STEAM/INBOARD MSIV	Drywell
SWEL1-055	RV-2-71C	MAIN STEAM/RELIEF VALVE	Drywell
SWEL1-057	S-2-13A	SAFETY RELIEF VALVE/NITROGEN SUPPLY ACCUMULATOR	Drywell

Attachment D

Area Walk-By Checklists (AWCs)

AWC #	SWELL #	Page
001	1-014, 085, 087	3
002	1-006, 019, 066	8
003	1-008	13
004	1-034, 035, 100	17
005	1-051, 063, 064	23
006	1-007 (east half), 031, 089, 090, 091	28
007	1-007 (west half), 084, 086, 088, 091	33
008	1-009	38
009	1-010	43
010	1-011, 065	48
011	1-060	53
012	1-002, 033, 050, 096, 097	58
013	1-001, 003, 004, 033	63
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016	1-036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099	78
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020	1-023, 101	98
021	1-016	103
022	1-017	108
023	1-015	113
024	1-013, 024	118
025	1-056, 078, 080	123
026	1-067	128
027	1-018, 2-001, 002, 003, 004, 005, 006, 011	133
028	1-079	138
029	1-102	143
030	1-061, 062	148
031	1-026	153
032	1-069	158
033	1-032, 058	163
034	1-059	168
035	1-005	173
036	1-071, 072, 081	178
037	1-092	183
038	1-070, 082, 083, 093, 2-010	188
039	2-007, 008, 009	193

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 001	Status: Y⊠ N□ U□
Location: Bldg. <u>TB</u> Floor El.	252 Room, Area ¹	EDGR A - WEST SIDE OF ROOM
SWEL Components: SWEL- 014	4, 085, 087	
Instructions for Completing Checklist	<u> </u>	
This checklist may be used to document space below each of the following quest Additional space is provided at the end of	ions may be used to record	
 Does anchorage of equipment in potentially adverse seismic cond opening cabinets)? 		
2. Does anchorage of equipment in significant degraded conditions?	the area appear to be free	e of Y⊠ N□ U□ N/A□
3. Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear t	pear to be free of potentially n of supports is adequate a	ly adverse

ı.

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

	ENT 9.7								AREA W	ALK-BY CH	ECKLIST
iheet 2 d Area W		Checkli	st (AWC	;)A	<u>WC- 00-</u>	<u>I</u>			Statu	ıs: Y⊠ N[] U[]
Location	: Bldg.	тв	Floo	or El. <u>25</u>	2	Room, Ar	ea' <u>EDGR</u>	A - WES	T SIDE OI	FROOM	
SWEL	Compo	nents:	SWEL	- 014. (85, 087					·	
s a 7 ti	patial in Ind lighti The light	teractions ng)? <i>fixtures h</i> there is i	s with othe nave a lov	er equipi v mass a	ment in th and have j	positive ret	e seismic g., ceiling til rention featu concern wi	es <i>Ires</i> ;		J N/A	
						ally advers y in the are		Y	⊠ N⊟ U	J N/A	
		opear tha ns that co				ally advers ?	ə seismic	Y	⊠ N⊟ L	J N/A	
in P	nteractio	ns associ equipmen	ated with	houseke	eping pra	ally adverse actices, sto ns (e.g., so			⊠ N∏ L	I∏ N/A∏	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 5 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AW	C)AWC- 001	Status: YX N U
Location: Bldg. TB Flo	oor El. <u>252</u> Room, Area'	EDGR A - WEST SIDE OF ROOM
SWEL Components: SWE	L- <u>014, 085, 087</u>	
	ound no other seismic conditions functions of the equipment in the	
<u>Comments (</u> Additional pages may 1. Temporary scaffolding h		. Overhead Crane chain is properly secured.
2. Temporary test equipme	ent secured; ok.	
3. HVAC unit in northwest	corner braced; ok.	
cabinet door panel. The	e remaining thumbscrews are pos	mbscrew that needs to be tightened on itive attachment and are deemed sufficient mic concernSee CR-VTY-2012-04816 for
Evaluated by: <u>Marcus Hecht-Niels</u>	en 107.	18/:2012 Date: 10-1-12
Raymond Tworek	Rayma F Frond 6/1	8/10-1-12

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	Atta	achment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 6 of 19
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AWC-</u>	001	Status: YX N U
Location: Bldg. TB	Floor El. 252	Room, Area ¹ <u>E</u>	EDGR A - WEST SIDE OF ROOM
SWEL Components:	SWEL- 014, 085, 0	87	
Photographs			
Note:		Note:	

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 7 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklis	st (AWC) <u>AW(</u>	<u>C- 001</u>	Status: Y⊠ N□ U□
Location: Bldg. TB	Floor El. <u>252</u>	Room, Are	ea' EDGR A - WEST SIDE OF ROOM
SWEL Components:	SWEL- 014, 085	, 087	
, .			
No photo	necessary		No photo necessary
Note:		Not	e:
<u>.</u>			

	Attachment D	Engineering Report No. \	/Y-RPT-12-0001 Rev. Page 8 of 19
ATTACHMENT 9.7		AREA WALK	-BY CHECKLIST
heet 1 of 5 Area Walk-By Checklist (AWC) <u>A</u>	WC- 002	Status:	YM ND UD
Location: Bldg. <u>TB</u> Floor El. <u>25</u> 2	<u>2</u> Room, Area¹ <u>EL</u>	DGR A - EAST SIDE OF RO	DOM
SWEL Components: <u>SWEL- 006, 0</u>	19, 066		
Instructions for Completing Checklist This checklist may be used to document the space below each of the following questions Additional space is provided at the end of th	s may be used to record th	e results of judgments and	items. The findings.
 Does anchorage of equipment in the potentially adverse seismic condition opening cabinets)? 	area appear to be free of		N/A
		· · · · ·	
2. Does anchorage of equipment in the significant degraded conditions?	area appear to be free of	YM NU UU	N/A
 Based on a visual inspection from the raceways and HVAC ducting appear seismic conditions (e.g., condition of conditions of cable trays appear to be 	to be free of potentially ac supports is adequate and	dverse fill	N/A
	,		
· · · ·			

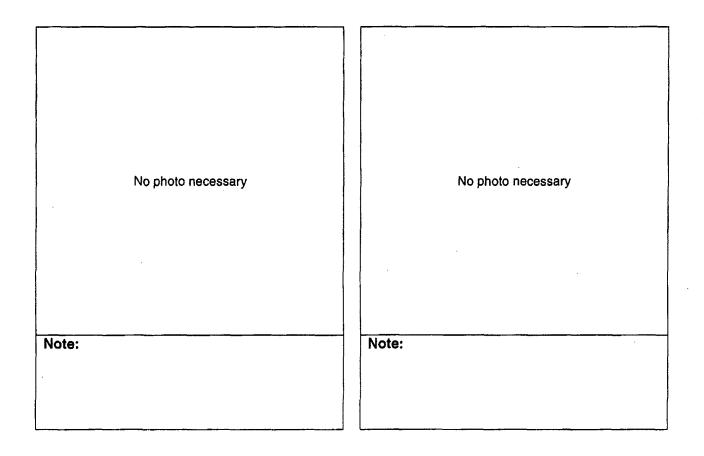
¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

TTACHMENT 9.7		AREA WAI	K-BY CHE	CKLIST
neet 2 of 5		<u></u>		
Area Walk-By Checklist (AWC) <u>AWC- 002</u>		Status:	YX N	ן טר
ocation: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area ¹ <u>EDGR A</u> -	EAST S	IDE OF F	ROOM	
SWEL Components: <u>SWEL-006, 019, 066</u>				
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?] N/A []	
The light fixtures have a low mass and have positive retention features therefore there is no adverse seismic spatial interaction concern with other equipment.	;			
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠] N/A[_]	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Υ⊠	и[] 'n[] N/A	
		• •		
	. *	•		
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	Υ⊠	N U U) N/A	
	·	· · ·		
en de la fanne en entre beskere de la gener byggen og hjereforsynder og genere og en en genere genere og en en I	- <u></u>		<u></u>	<u></u>

Attachment D Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 10 of 198 **ATTACHMENT 9.7 AREA WALK-BY CHECKLIST** Sheet 3 of 5 Status: YX N U Area Walk-By Checklist (AWC) ____ AWC- 002 Floor El. 252 Room, Area¹ EDGR A - EAST SIDE OF ROOM Location: Bldg. TB SWEL Components: SWEL- 006, 019, 066 8. Have you looked for and found no other seismic conditions that could YX ND UD adversely affect the safety functions of the equipment in the area? See comment #2 Comments (Additional pages may be added as necessary) 1. Scaffolding tagged (Green) Log# 12-085 -ok. Ladders secured properly - NO ISSUE WITH ADVERSE SEISMIC INTERACTION. CD -2. discharge line clip was found to be partially disconnected (see photo). Issue was corrected using vtv-2012-04870 Jon 10/21/1-10-25-12 Evaluated by: Marcus Hecht-Nielsen 0 2015 Date: 10-1-12 10/18/5 Raymond Tworek 10-1-12 Jadorelle 10/10/11 + CORRECTED CR NUMBER

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC) <u>A</u>	NC- 002	Status: Y⊠ N□ U□
Location: Bldg. TB Floor El. 252	2 Room, Area ¹	EDGR A - EAST SIDE OF ROOM
SWEL Components: SWEL- 006, 0	19, 066	
Photographs		
Note: Discharge pipe support clip.	Note:	No photo necessary

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 12 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5		Status: YX N
Area Walk-By Checklist (AWC)	AWC- 002	
Location: Bldg. TB Floor	El. <u>252</u> Room, Area ¹	EDGR A - EAST SIDE OF ROOM
SWEL Components: SWEL-	006, 019, 066	



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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 003	Status: YX N U
Location: Bldg. <u>TB</u> Floor El.	252' Room, Area ¹	DAY TK RM A, TB
SWEL Components: SWEL1-00	08	
Instructions for Completing Checklist		· · · ·
This checklist may be used to document space below each of the following quest Additional space is provided at the end of	ions may be used to record	
 Does anchorage of equipment in potentially adverse seismic condi opening cabinets)? 		
 Does anchorage of equipment in significant degraded conditions? 	the area appear to be free	of Y⊠ N⊡ U⊡ N/A⊡
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear to No cable tray or HVAC ducts in the 	ear to be free of potentially of supports is adequate ar o be inside acceptable limit	adverse

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

ATTACHMENT 9.7 Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 003</u>	Rev Page 14 of 1 AREA WALK-BY CHECKLIST Status: YX N U
Sheet 2 of 5	
	Status: Y⊠ N□ U□
Location: Bldg. TB Floor El. 252' Room, Area ¹ DAY TK RM	4. <i>TB</i>
SWEL Components: SWEL1- 008	
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	

		Attachment D	Engineering Report No. VY-RPT-12-000 Rev
ATTACHMENT 9.7			Page 15 of 1 AREA WALK-BY CHECKLIST
Sheet 3 of 5			AREA WALK-DT CRECKLIST
Area Walk-By Checkl	st (AWC) <u>A</u>	WC- 003	Status: YX N U
Location: Bldg. TB	Floor El. 25	2' Room, Area ¹	¹ DAY TK RM A, TB
SWEL Components:	SWEL1- 008		
		her seismic conditions of the equipment in the	
	58 SII Junction box Picture is attached	: B679 SII, 2 screws mi	issing on left side. Junction box is about 3'
	ana ana ang ang ang ang ang ang ang ang		
Evaluated by: <u>Kirit Parikh</u>	1 Par	ice 10/18/20	ol2Date: 10/02/12
Randy Ster	ohens Ran	y Stephen	10/18/2012 10/02/12
		·	
		1	
-		1	

		Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 16 of 19
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AV</u>	VC- 003	Status: Y⊠ N∏ U∏
Location: Bldg. TB	Floor El. 252		¹ DAY TK RM A, TB
SWEL Components:	SWEL1- 008		
Photographs			
R R S/ S/ S/ S/ S/ S/ S/ S/ S/ S/ S/ S/ S/			Left side view of # B 679 SII showing gap ng from missing screws.

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 17 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5		Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)	AWC- 003	
Location: Bldg. TB Floor El.	252' Room, Area	DAY TK RM A, TB

SWEL Components: SWEL1- 008



	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. (Page 18 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 004	Status: YX N U
Location: Bldg. <u>CST</u> Floor El.	252' Room, Area ¹	CONDENSATE STORAGE TANK, YARD
SWEL Components: SWEL- 034	1, 035, 100	
Instructions for Completing Checklist This checklist may be used to document space below each of the following questi Additional space is provided at the end of	the results of the Area Wa ions may be used to record	
 Does anchorage of equipment in potentially adverse seismic condi opening cabinets)? 		
2. Does anchorage of equipment in significant degraded conditions?	the area appear to be free	e of Y⊠N⊡U⊡N/A⊡
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear t No cable trays located in the Wal 	ear to be free of potentially o of supports is adequate a o be inside acceptable limi	y adverse and fill

.

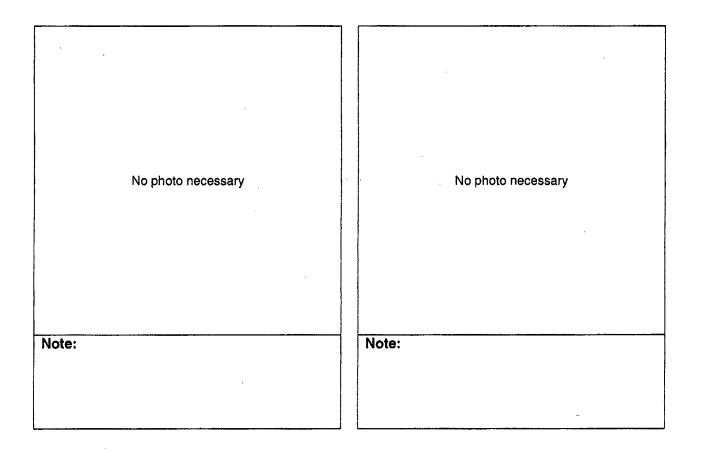
¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

		Attachment D	Engineer	ing Report No. V	Y-RPT-12-00019 Rev. 0
					Page 19 of 198
ATTACHMENT 9.7		· · · · · · · · · · · · · · · · · · ·		AREA WALK-	BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklis	st (AWC)	WC- 004		Status: Y	ØN□ U□
Location: Bldg. <u>CST</u>	Floor El. <u>23</u>	52' Room, Are	a' <u>CONDENSAT</u> <u>AREA</u>	E STORAGE TA	NK, YARD
SWEL Components:	SWEL- 034, 0	035, 100	·		
4. Does it appear that spatial interactions and lighting)?		of potentially adverse ment in the area (e.g.		YN ND UD	N/A
5. Does it appear that interactions that co		of potentially adverse ng or spray in the area		YX NO UO	N/A
6 Does it appear that	the area is free	of potentially adverse	seismic		N/A[]
interactions that co	uld cause a fire i	n the area?			
portable equipment shielding)? <i>Temporary power e</i>	ited with housek , and temporary equipment and s	of potentially adverse eeping practices, stor installations (e.g., sca pare pump assy has a interaction concern.	age of affolding, lead	YX NI UI I	N/A 🗌
	(
	<u></u>		<u> </u>		
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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 20 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		
Area Walk-By Checklist (AWC)	AWC-004	Status: Y⊠ N□ U□
Location: Bldg. <u>CST</u> Floor El. <u>2</u>	<u>52'</u> Room, Area ¹	<u>CONDENSATE STORAGE TANK, YARD</u> AREA
SWEL Components: <u>SWEL- 034</u> ,	035, 100	· · · · · · · · · · · · · · · · · · ·
 Have you looked for and found no a adversely affect the safety function 		
Comments (Additional pages may be add	ed as necessary)	
None.		
Evaluated by: Kirit Parikh	ike 10/18/2	2012 Date: <u>10/02/12</u>
Randy Stephens Ra	nog Stephe	ws 10/18/2012 10/02/12
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	Attach	iment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 21 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 00</u>	4	Status: YX N U
Location: Bldg. <u>CST</u>	Floor El. 252'	Room, Area ¹	<u>CONDENSATE STORAGE TANK , YARD</u> AREA
SWEL Components:	SWEL- 034, 035, 100		
Photographs			
Note: SEE THE COMN NO SEISMIC IMPACT.	MENT ON ITEM 7	Note:	No photo necessary

Atta	achment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 22 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC) <u>AWC- (</u>	004	Status: YX N U
Location: Bldg. <u>CST</u> Floor El. <u>252'</u>	Room, Area ¹	CONDENSATE STORAGE TANK , YARD AREA
SWEL Components: SWEL- 034, 035, 10	 DO	



TTACHMENT 9.7 heet 1 of 5		AREA WA	Page 23 of 198
		0	
Area Walk-By Checklist (AWC)AWC	- 005	Status	: Y⊠ N□ U□
ocation: Bldg. IS Floor El. 237	Room, Area ¹ <u>W</u>	hole Room	
SWEL Components: <u>SWEL- 051, 063,</u>	064		
nstructions for Completing Checklist	·····		
This checklist may be used to document the respace below each of the following questions manual difference is provided at the end of this c	ay be used to record the	e results of judgments ar	
 Does anchorage of equipment in the are potentially adverse seismic conditions (i opening cabinets)? 		YX N U(arily] N/A[]
2. Does anchorage of equipment in the are significant degraded conditions?	ea appear to be free of	Y 🛛 N 🗌 U	
 Based on a visual inspection from the flor raceways and HVAC ducting appear to l seismic conditions (e.g., condition of sup conditions of cable trays appear to be in 	be free of potentially ad oports is adequate and	lverse fill] N/A[]
•			

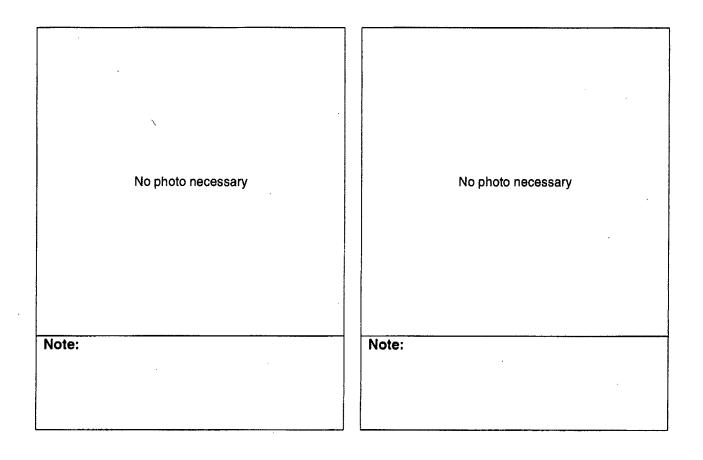
¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 24 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 2 of 5	klist (AWC) <u>AWC- 005</u>	Status: YX N
Location: Bldg. <u>IS</u>		¹ Whole Room
SWEL Components		
	hat the area is free of potentially adverse a ons with other equipment in the area (e.g.,	
	hat the area is free of potentially adverse a could cause flooding or spray in the area?	
	hat the area is free of potentially adverse s could cause a fire in the area?	seismic Y⊠ N⊡ U⊡ N/A⊡
interactions asso	hat the area is free of potentially adverse s ociated with housekeeping practices, stora ent, and temporary installations (e.g., scal	age of

	Attachme	ent D	Engineering Repo	rt No. VY-RPT-12-00019 Rev. 0
				Page 25 of 198
ATTACHMENT 9.7 Sheet 3 of 5	····			A WALK-BY CHECKLIST
Area Walk-By Checklist (AV	NC) <u>AWC- 005</u>		S	tatus: Y⊠ N⊡ U⊡
Location: Bldg. IS F	loor El. <u>237</u> Re	oom, Area ¹ <u>Wh</u>	ole Room	······································
SWEL Components: SW	EL- 051, 063, 064			
 Have you looked for and adversely affect the safet See comments.] U[]
Commente (Additional pagas m				
Comments (Additional pages m	·			
Equipment hoist on west	wall secured-no issue.			
Ladders secured to north	wall-no issue.			
Pump grout pads exhibit engineering judgment		otherwise intact	and have no adver	se seismic issue by
	e dan e tan		<u></u>	en e
Evaluated by: Marcus Hecht-Nie	elsen	10/181	2012 Date: 1	0-2-12
Raymond Tworek	Raymit F. Ju	-l 10/15	·/	0-2-12
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· ·				
				·

	Attac	chment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 26 of 19
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 00</u>	95	Status: Y⊠ N⊡ U⊡
Location: Bldg. IS	Floor El. <u>237</u>	Room, Area ¹	Whole Room
SWEL Components:	SWEL- 051, 063, 064	!	
Photographs			
No phot	o necessary	Note:	No photo necessary

	Attachment	D Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 27 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 005</u>	Status: Y⊠ N□ U□
Location: Bldg. IS	Floor El. <u>237</u> Room	, Area ¹ <u>Whole Room</u>
SWEL Components:	SWEL- 051, 063, 064	



	A	ttachment D	Engineering Report No. VY-F P	RPT-12-00019 Rev. 0 age 28 of 198
ATTACHMENT 9.7		· · · · · · · · · · · · · · · · · · ·	AREA WALK-B	CHECKLIST
Sheet 1 of 5 Area Walk-By Checklis	t (AWC) <u>AWC</u>	- 006	Status: Y	
Location: Bldg. TB	Floor El. 252	Room, Area ¹	EDGR B -EAST SIDE OF ROOM	1
SWEL Components:	SWEL- 007 (east	half), 031, 089, 0	90, 091	
Instructions for Completi This checklist may be used space below each of the fo Additional space is provide	to document the real lowing questions ma	ay be used to record	Ik-By near one or more SWEL ite the results of judgments and find nting other comments.	ms. The lings.
 Does anchorage of potentially adverse opening cabinets)? 	equipment in the are seismic conditions (i			
2. Does anchorage of significant degraded		ea appear to be free	of Y⊠ N⊡ U⊡ N/	A
seismic conditions (nspection from the flo C ducting appear to f e.g., condition of sup trays appear to be in	be free of potentially oports is adequate a	v adverse	A 🗌
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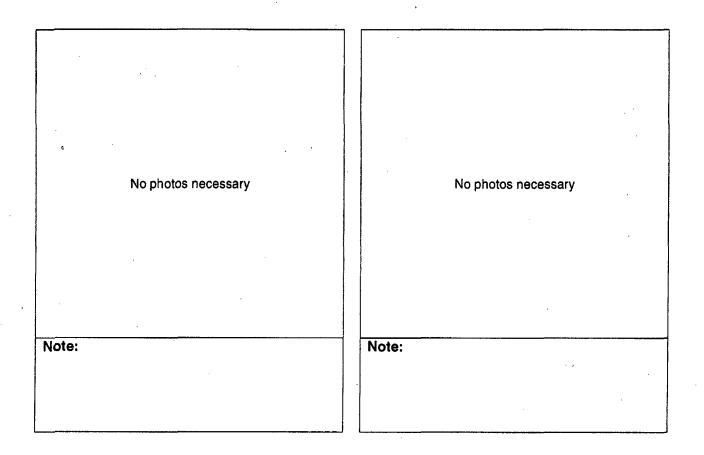
EN-DC-168 REV 0

·	neering Report No. VY-RPT-12-00019 Rev. (Page 29 of 198
	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 006</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area ¹ <u>EDGR B</u> -	EAST SIDE OF BOOM
SWEL Components: <u>SWEL- 007 (east half), 031, 089, 090, 091</u>	
 Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? 	
5. Does it appear that the area is free of potentially adverse seismic	
interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
, · · · ·	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	

ATTACHMENT 9.7 Sheet 3 of 5 Area Walk-By Checklist (AWC)AWC-006 Location: Bldg. TB Floor El. 252 Room, Area ¹ EDGR B - EAST SWEL Components: SWEL-007 (east half), 031, 089, 090, 091	Page 30 of 198 AREA WALK-BY CHECKLIST Status: Y N U SIDE OF ROOM
Area Walk-By Checklist (AWC) AWC-006 Location: Bldg. TB Floor El. 252 Room, Area ¹ EDGR B - EAST SWEL Components: SWEL-007 (east half), 031, 089, 090, 091	
Location: Bldg.TBFloor El.252Room, Area1EDGR B - EASTSWEL Components:SWEL- 007 (east half), 031, 089, 090, 091	SIDE OF ROOM
SWEL Components: <u>SWEL- 007 (east half), 031, 089, 090, 091</u>	<u>SIDE OF ROOM</u>
8. Have you looked for and found no other seismic conditions that could Y adversely affect the safety functions of the equipment in the area?	
Comments (Additional pages may be added as necessary)	
Evaluated by: Marcus Hecht-Nielsen	
Raymond Tworek Ray of Front 10/18/1-	<u>10-3-12</u>

	,	Attachment D	D Engineering Report No. VY-RPT-12-0001 Rev. (
ATTACHMENT 9.7	<u></u>		Page 31 of 19 AREA WALK-BY CHECKLIST
Sheet 4 of 5			AHEA WALK-BY CHECKLIST
Area Walk-By Checkli	ist (AWC)	WC-006	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>TB</u>	Floor El. 25	5 <u>2</u> Room, A	Area ¹ EDGR B -EAST SIDE OF ROOM
SWEL Components:	SWEL- 007 (east half), 031, 0	089, 090, 091
Photographs	· · · · · · · · · · · · · · · · · · ·		
·			
No photo	os necessary		No photos necessary
	,		
Note:		N/	Note:
Note.			

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ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC</u>	- 006	Status: Y⊠ N⊡ U⊡
Location: Bldg. TB	Floor El. <u>252</u>	Room, Area ¹	EDGR B -EAST SIDE OF ROOM
SWEL Components:	SWEL- 007 (east	half), 031, 089, 0	990, 091



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	Page 33 of 19
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC- 007</u>	Status: Y⊠ N□ U□
Location: Bldg. TB Floor El. 252 Room, Area ¹ EDC	GR B -WEST SIDE OF ROOM
SWEL Components: SWEL- 007 (west half), 084, 086, 088,	091
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By space below each of the following questions may be used to record the Additional space is provided at the end of this checklist for documenting	results of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessa opening cabinets)? 	YX N UNA
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? 	YX NI UI N/AI
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adv seismic conditions (e.g., condition of supports is adequate and fi conditions of cable trays appear to be inside acceptable limits)?	/erse

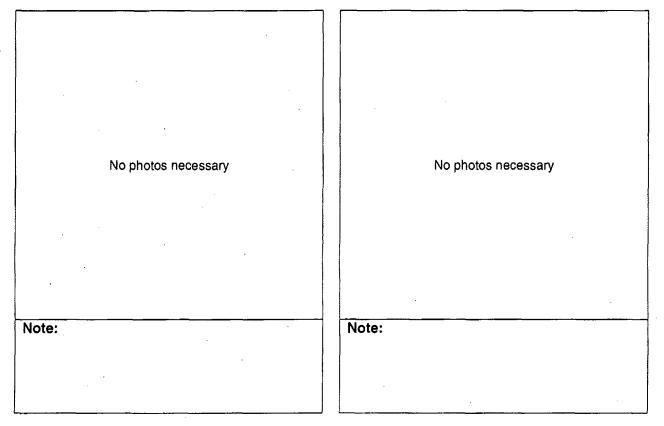
^{&#}x27; If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

•	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 34 of 19
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (/	AWC) <u>AWC- 007</u>	Status: YX N
Location: Bldg. TB	Floor El. 252 Room, Area ¹ E	EDGR B -WEST SIDE OF ROOM
SWEL Components: SV	NEL- 007 (west half), 084, 086, 08	38, 091
	area is free of potentially adverse seis other equipment in the area (e.g., cei	
	area is free of potentially adverse seis cause flooding or spray in the area?	smic Y⊠N⊡U⊡N/A⊡
 Does it appear that the interactions that could of 	area is free of potentially adverse seis cause a fire in the area?	smic Y⊠ N⊡ U⊡ N/A⊡
interactions associated	area is free of potentially adverse seis with housekeeping practices, storage d temporary installations (e.g., scaffold	of
		·

		Attachment D	Enginee	ring Report No. VY-	RPT-12-00019 Rev. 0 Page 35 of 198
ATTACHMENT 9.7				AREA WALK-B	
Sheet 3 of 5				Status: Y	
Area Walk-By Checki	ist (AWC) <u>AV</u>	<u>NC- 007</u>			
Location: Bldg. <u>TB</u>	Floor El. <u>252</u>	Room, Area	a ¹ <u>EDGR B - Wi</u>	<u>EST SIDE OF ROO</u>	<u>M</u>
SWEL Components:		<u>est half), 084, 086</u>			
 Have you looked adversely affect the second second		ner seismic conditior of the equipment in t		YX N U	
		ţ			
Comments (Additional p	ages may be added	as necessary)			
·				· · · · · · · · · · · · · · · · · · ·	
Evaluated by: Raymond	Tworek Roy	wf June	10/18/12	Date: <u>10-3-12</u>	
Marcus He	cht-Nielsen	10/15	2/2012	<u>10-3-12</u>	

Page 36 of 198 ATTACHMENT 9.7 AREA WALK-BY CHECKLIST Sheet 4 of 5 Status: Y⊠ N□ U□ Area Walk-By Checklist (AWC)AWC-007 Location: Bldg. <u>TB</u> Floor EI. <u>252</u> Room, Area ¹ <u>EDGR B -WEST SIDE OF ROOM</u> SWEL Components: SWEL- 007 (west half), 084, 086, 088, 091			Attachment D	Engineering Rep	ort No. VY-RPT-12-00019 Rev. 0
Sheet 4 of 5 Area Walk-By Checklist (AWC)AWC-007 Location: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area' <u>EDGR B-WEST SIDE OF ROOM</u> SWEL Components: <u>SWEL- 007 (west half), 084, 086, 088, 091</u> Photographs Photographs No photos necessary No photos necessary No photos necessary	·				Page 36 of 198
Status: YX NIU Area Walk-By Checklist (AWC)AWC-007 Location: Bldg. IBFloor El. 252Room, Area' EDGR B -WEST SIDE OF ROOM SWEL Components: SWEL- 007 (west half), 084, 086, 088, 091 Photographs No photos necessary No photos necessary	ATTACHMENT 9.7			AREA	WALK-BY CHECKLIST
Area Walk-By Checklist (AWC) AWC- 007 Location: Bidg. TB Floor El. 252 Room, Area ¹ EDGR B-WEST SIDE OF ROOM SWEL Components: SWEL- 007 (west half), 084, 086, 088, 091 Photographs No photos necessary No photos necessary	Sheet 4 of 5				
SWEL Components: SWEL- 007 (west half), 084, 086, 088, 091 Photographs No photos necessary No photos necessary No photos necessary	Area Walk-By Checkli	ist (AWC) <u>AV</u>	VC- 007	51	
Photographs No photos necessary No photos necessary	Location: Bldg. <u>TB</u>	Floor El. 252	Room, A	rea ¹ EDGR B -WEST SIDE	OF ROOM
No photos necessary No photos necessary	SWEL Components:	SWEL- 007 (W	est half), 084, 0	86, 088, 091	
	Photographs				
	No photo	os necessarv		No photos nece	ssarv
Note: Note:		,			
Note: Note:					
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	No. 4 a c	<u></u>			
	Note:		NO	te:	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 37 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 007</u>	Status: Y⊠ N∏ U∏
Location: Bldg. <u>TB</u>	Floor El. <u>252</u> Room, Area ¹ <u>I</u>	EDGR B -WEST SIDE OF ROOM
SWEL Components:	<u>SWEL- 007 (west half), 084, 086, 0</u>	88, 091



	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 38 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)	AWC- 008	Status: Y⊠ N□ U□
Location: Bldg. <u>TB</u> Floor El.	252 Room, Area ¹	EDG B DAY TANK ROOM
SWEL Components: SWEL- 00	9	
Instructions for Completing Checklis	it	
	tions may be used to recor	alk-By near one or more SWEL items. The rd the results of judgments and findings. enting other comments.
 Does anchorage of equipment in potentially adverse seismic cond opening cabinets)? 	the area appear to be free ditions (if visible without neo	e of YX NU UN/AU cessarily
2. Does anchorage of equipment in significant degraded conditions?		e of Y⊠ N□ U□ N/A□
		. t
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear 	pear to be free of potentiall on of supports is adequate a	ly adverse and fill

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

Attachment D Engine	eering Report No. VY-RPT-12-0001 Rev.
	Page 39 of 19
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 008</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>TB</u> Floor El. <u>252</u> Room, Area ¹ <u>EDG B DA</u>	Y TANK ROOM
SWEL Components: <u>SWEL- 009</u>	
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	

		At	tachment D	Engin	eering Report No.	VY-RPT-12-000 Rev Page 40 of 1
ATTACHMENT 9.7					AREA WALK	-BY CHECKLIST
Sheet 3 of 5						
Area Walk-By C	hecklist (AWC)	AWC-	008		Status:	YØN UU
Location: Bldg.	B Floor	El. <u>252</u>	Room, Are	ea' <u>EDG B DA</u>	Y TANK ROOM	
SWEL Compon	ents: <u>SWEL-</u>	009				
8. Have you l adversely a	ooked for and foun iffect the safety fur	d no other se actions of the	eismic condition equipment in	ons that could the area?	YX N U	
				Ļ		
	•					
	cus Hecht-Nielsen		10	118/2012	Date: <u>10-3-12</u>	
Evaluated by. <u>Iviar</u>	Jua <u>(leontenielaen</u>			1010-10	Date:	
Ray	mond Tworek	Ray no 6	- Fund	10/18/1-	<u> </u>	
		x				
			•			

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
		Page 41 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC) <u>AW</u>	<u>C- 008</u>	Status: Y⊠ N□ U□
Location: Bldg. TB Floor El. 252	Room, Area ¹	EDG B DAY TANK ROOM
SWEL Components: SWEL- 009		
Photographs		
No photos necessary Note:	Note:	No photos necessary

	,	Attachment D	Engineering Report No	Rev. 0
ATTACHMENT 9.7		<u></u>	AREA WAL	Page 42 of 198 K-By CHECKLIST
Sheet 5 of 5				
Area Walk-By Checkli	st (AWC) <u>AW</u>	<u>C- 008</u>		
Location: Bldg. TB	Floor El. <u>252</u>	Room, Area ¹	EDG B DAY TANK ROOM	•
SWEL Components:	SWEL- 009			
	· · · · · · · · · · · · · · · · · · ·			
	•			
No photo			No photos possesan	
	s necessary		No photos necessary	
Note:		Note:		
		·		

Attachment D Eng	ineering Report No. VY-RPT-12-000
ATTACHMENT 9.7	Page 43 of AREA WALK-BY CHECKLIST
Sheet 1 of 5	
Area Walk-By Checklist (AWC) <u>AWC- 009</u>	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>YARD</u> Floor El. <u>252'</u> Room, Area ¹ <u>OUTSID</u> TANK, (F	<u>E FUEL OIL STORAGE</u> OST)
SWEL Components: <u>SWEL1- 010</u>	· · · · · · · · · · · · · · · · · · ·
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By nea space below each of the following questions may be used to record the resu Additional space is provided at the end of this checklist for documenting othe	Its of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? 	
· · ·	
	· .
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
	· .
3. Based on a visual inspection from the floor, do the cable/conduit	
raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?	Y⊠ N□ U□ N/A□
	· · ·

^{&#}x27; If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

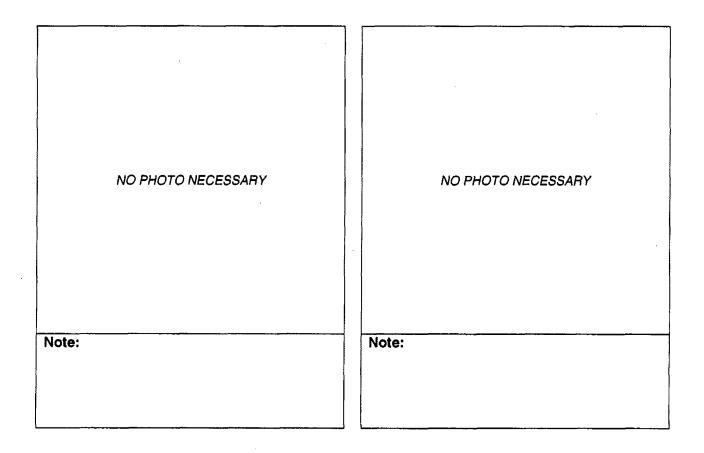
	Attachment D	Engineering	Report No. VY-RPT Page	-12-00019 Rev. 0 44 of 198
ATTACHMENT 9.7		- <u></u>	AREA WALK-BY CHE	
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AW</u>	<u>C- 009</u>	- <u> </u>	Status: Y⊠ N[] U
Location: Bldg. <u>YARD</u> Floor El. <u>252'</u>	Room, Area ¹ <u>C</u>	OUTSIDE FUEL C ANK.(FOST)	DIL STORAGE	
SWEL Components: SWEL1-010	•			
4. Does it appear that the area is free of p spatial interactions with other equipme and lighting)?				
5. Does it appear that the area is free of p interactions that could cause flooding o		mic Y🛛	N U N/A	
Does it appear that the area is free of p interactions that could cause a fire in the		mic Y⊠	N U N/A	
 Does it appear that the area is free of p interactions associated with housekeep portable equipment, and temporary ins shielding)? 	ping practices, storage	of	N U N/A	
· · · · ·	· · ·		• •	

	A	ttachment D	Engineering I	Report No. VY-F	
				Р	Rev. 0 age 45 of 198
ATTACHMENT 9.7			······································	AREA WALK-BY	CHECKLIST
Sheet 3 of 5					
Area Walk-By Checklis	t (AWC) <u>AWC</u>	- 009		Status: Y🛛	
Location: Bldg. <u>YARD</u>	Floor El. <u>252'</u>	Room, Area ¹	OUTSIDE FUEL TANK.(FOST)	<u>OIL STORAGE</u>	
SWEL Components:	SWEL1- 010				
8. Have you looked for adversely affect the	r and found no other safety functions of th		that could Y∑ e area?		
		······			
Comments (Additional pag	es may be added as	necessary)			
Evaluated by: <u>Kirit Parikh</u>	KPanik	c 10/18/2	012 Dat	te: <u>10/03/2012</u>	
Randy Steph	ens Randy X	tiphens 10	18/2012	<u>10/03/2012</u>	
	•				

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. (Page 46 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC)A	WC- 009	Status: Y🛛 N🗍 U
Location: Bldg. <u>YARD</u> Floor El. <u>25</u>	22 Room, Area ¹	OUTSIDE FUEL OIL STORAGE TANK.(FOST)
SWEL Components: <u>SWEL1- 010</u>		
Photographs		
NO PHOTO NECESSARY		NO PHOTO NECESSARY
Nata		
Note:	Note:	
L		

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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 47 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 009</u>	Status: Y⊠ N□ U□
Location: Bidg. <u>YARD</u>	Floor El. <u>252'</u> Room, Area ¹	<u>OUTSIDE FUEL OIL STORAGE</u> TANK (FOST)
SWEL Components:	SWEL1- 010	



	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
		Page 48 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)	AWC- 010	Status: Y⊠ N□ U□
Location: Bldg. FUEL OIL Floor El.	<u>241'</u> Room, Area ¹	FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS, REF DWG G 191142
SWEL Components: SWEL1-01	1, 065	
Instructions for Completing Checklist	· · · · · · · · · · · · · · · · · · ·	
This checklist may be used to document space below each of the following questi Additional space is provided at the end of	ons may be used to recor	
 Does anchorage of equipment in potentially adverse seismic condi opening cabinets)? 		
Does anchorage of equipment in significant degraded conditions?	the area appear to be free	e of Y⊠ N□ U□ N/A□
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear t 	ear to be free of potentiall n of supports is adequate a	y adverse

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

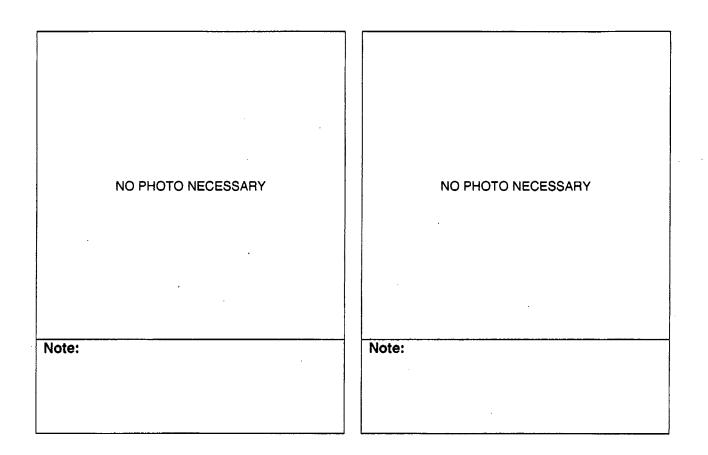
	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev.
	· .	Page 49 of 19
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Area Walk-By Checklist (AWC)	AWC- 010	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>FUEL OIL</u> Floor El.	<u>241'</u> Room, Area ¹ <u>FUB</u> <u>NE</u> 2	EL OIL PUMP, OUTSIDE IN THE YARD AR FOS, REF DWG G 191142
SWEL Components: SWEL1- 0	11, 065	· · · · · · · · · · · · · · · · · · ·
4. Does it appear that the area is fr spatial interactions with other eq and lighting)?		
5. Does it appear that the area is fr interactions that could cause floo		ic Y⊠N⊡U⊡N/A⊡
	• • •	
Does it appear that the area is front interactions that could cause a first from the cau		C Y⊠ N⊟ U∏ N/A∏
		· · · · · · · · · · · · · · · · · · ·
 Does it appear that the area is froe interactions associated with hous portable equipment, and tempora shielding)? 	sekeeping practices, storage of	
	<u> </u>	۲۰۰۰ - ۲۰۰۰ میروند در میروند از میروند میروند میروند میروند از میروند میروند میروند میروند میروند میروند میروند

	Attachment D	Engineering Report No. VY-RPT-12-00	019 v. 0
		Page 50 of	
ATTACHMENT 9.7		AREA WALK-BY CHECKLIS	T
Sheet 3 of 5	- · · · · · ·		- 1
Area Walk-By Checklist (AWC)	AWC- 010	Status: YX N	1
Location: Bldg. <u>FUEL OIL</u> Floor El.	<u>241'</u> Room, Area ¹	¹ <u>FUEL OIL PUMP, OUTSIDE IN THE YARD</u> <u>NEAR FOS, REF DWG G 191142</u>	
SWEL Components: SWEL1- 01	1, 065		_
8. Have you looked for and found no adversely affect the safety function			_
Comments (Additional pages may be ad	lded as necessary)		 .
•			
	,		
	ik valuale	<u></u>	تشعه
Evaluated by: <u>Kirit Parikh</u>	24/2 10/18/2	2012 Date: <u>10/03/2012</u>	
Randy Stephens Ra	ney Stephers	5 10 18 2012 10/03/2012	
	,	· · · · · · · · · · · · · · · · · · ·	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 51 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)AW	/C- 010	Status: Y⊠ N□ U□
Location: Bldg. <u>FUEL OIL</u> Floor El. <u>241</u>		FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS, REF DWG G 191142
SWEL Components: <u>SWEL1-011.0</u>	65	
Photographs		
NO PHOTO NECESSARY		NO PHOTO NECESSARY
Note:	Note:	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 52 of 198
ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·	AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)	AWC- 010	Status: Y⊠ N⊡ U⊡
Location: Bldg. FUEL OIL Floor	El. <u>241'</u> Room, Area	FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS, REF DWG G 191142

SWEL Components: SWEL1- 011, 065



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ATTACHMENT 9.7			AREA W	ALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Check!	ist (AWC) <u>AW</u>	<u>C- 011</u>	Statu	s: YX N U
Location: Bldg. <u>RB</u>	Floor El. 252	Room, Area'	\ 	
SWEL Components:	SWEL1- 060			
Instructions for Complete This checklist may be used space below each of the Additional space is provide	ed to document the re following questions n	nay be used to record t	he results of judgments a	
	e seismic conditions	rea appear to be free o (if visible without neces		
			•	
2. Does anchorage of significant degrad		rea appear to be free o	f y⊠ N⊟ U	
			;	
raceways and HV seismic conditions	AC ducting appear to (e.g., condition of su	loor, do the cable/cond be free of potentially a upports is adequate and nside acceptable limits	dverse	

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

TTACHMENT 9.7				······································	<u> </u>	AREA WALK	Page 54 of 19
heet 2 of 5			and addressed and a second		· · · · · · · · · · · · · · · · · · ·		
Area Walk-By	Checklis	t (AWC) _	AWC-	011		Status: `	
Location: Bldg.	<u>RB</u>	Floor E	. <u>252</u>	Room, Area ¹			
SWEL Compo	nents:	SWEL1-	060				
	eractions			entially adverse seis n the area (e.g., cei			N/A
				entially adverse seis pray in the area?	smic Y	″⊠ N⊟ U⊟	N/A
		the area is Id cause a		entially adverse seis area?	smic Y	N N U	N/A
interaction	ns associa equipment,	ted with ho	usekeeping	entially adverse seis g practices, storage ations (e.g., scaffold	of		N/A

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		Attachment D	Engine	ering Report No. VY-	RPT-12-00019 Rev. 0 Page 55 of 198
ATTACHMENT 9.7				AREA WALK-B	
Sheet 3 of 5				Statua, VN	
Area Walk-By Checkli	st (AWC)	AWC- 011		Status. TE	
Location: Bldg. <u>RB</u>	Floor El. 🧕	2 <u>52</u> Room,	Area ¹		
SWEL Components:	SWEL1- 060)			······
8. Have you looked for adversely affect the		other seismic conc ns of the equipment		YX N U	
	• -		· · · ·		
Comments (Additional pa	iges may be add	ded as necessary)			
Evaluated by: <u>Marcus Her</u>	cht-Nielsen —	\sim	118/2012	_ Date: <u>10-4-12</u>	,
<u>Raymond T</u>	worek Ro	yn F Frank	coligli-	<u> </u>	
· .					

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 56 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)	AWC- 011	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor	El. <u>252</u> Room, Area ¹	
SWEL Components: SWEL1	- 060	
Photographs		
		· · · · · · · · · · · · · · · · · · ·
No photo necessar	ry	No photo necessary
Note:	Note:	

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ATTACHMENT 9.7	<u></u>		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC-</u>	011	Status: Y⊠ N∏ U∏
Location: Bldg. <u>RB</u>	Floor El. <u>252</u>	Room, Area ¹	
SWEL Components:	SWEL1- 060		

No photo necessary	No photo necessary
Note:	Note:

	Att	achment D	Engineering Report No.	VY-RPT-12-00019 Rev. 0 Page 58 of 198
ATTACHMENT 9.7			AREA WAI	K-BY CHECKLIST
Sheet 1 of 5	. 1			
Area Walk-By Checklist	(AWC) <u>AWC-</u>	012	Status:	YX NI UI
Location: Bldg. <u>RB</u>	Floor El. <u>252</u>		ORTHWEST AREA OF RORD HYD CONTROL UNIT	
SWEL Components:	WEL1- 002, 033,	050, 096, 097		
Instructions for Completing	g Checklist			
This checklist may be used to space below each of the follo Additional space is provided	wing questions may	be used to record th	ne results of judgments and	
 Does anchorage of en potentially adverse se opening cabinets)?] N/A
2. Does anchorage of easignificant degraded of easignificant degraded of the significant degraded of the significa		appear to be free of	Y N U] N/A
 Based on a visual ins raceways and HVAC seismic conditions (e. conditions of cable tra 	ducting appear to be g., condition of supp	free of potentially a orts is adequate and	dverse) N/A
,				

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

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				Attachr	nent D	Engineerinç	g Report No. V	Y-RPT-12-00019 Rev. 0
								Page 59 of 198
	IMENT 9.7						AREA WALK-	BY CHECKLIST
Sheet : Area		Checkli	st (AWC)	AWC- 012			Status: Y	
Locati	on: Bldg.	<u>RB</u>	Floor El.	<u>252</u> F	Room, Area ¹ <u>NC</u>	ORTHWEST A	REA OF ROOI TROL UNITS	M - WEST OF
SWE	L Compo	nents:	SWEL1- 00	2, 033, 050,	096, 097			
4.		teractions			y adverse seism area (e.g., ceilin			J/A
5.			the area is fre uld cause floor		y adverse seism n the area?	iic Y[I/A
6.			the area is fre uld cause a fir		y adverse seism	iic Y[2		I/A
7.	interactio	ns associa equipment	ated with hous	ekeeping prac	y adverse seism tices, storage of (e.g., scaffoldin	:		//A

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. (
		Page 60 of 19
ATTACHMENT 9.7 Sheet 3 of 5		AREA WALK-BY CHECKLIST
Area Walk-By Checklist (AWC)	AWC- 012	Status: Y⊠ N∏ U∏
Location: Bldg. <u>RB</u> Floor El.	252 Room, Area ¹	NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS
SWEL Components: <u>SWEL1- 00.</u>	2, 033, 050, 096, 097	· · · · · · · · · · · · · · · · · · ·
8. Have you looked for and found no adversely affect the safety function See comment #2.		
	1	· · ·
Comments (Additional pages may be ad 1. Scaffold has blue tag- Dated 10 2. Bolt missing on guard rail-has 5 judgment.	D/31/11-okay	refore no selsmic issue. Okay by engineering
Evaluated by: Marcus Hecht-Nielsen	10/,	15/2012 Date: 10-4-12
Raymond Tworek Ra	you & French 16/1	8/1- 10-4-12

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 61 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC) <u>AV</u>	VC- 012	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>252</u>	Room, Area ¹	NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS
SWEL Components: SWEL1- 002, 0	33, 050, 096, 097	
Photographs		
Note:	Note:	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 62 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)A	WC- 012	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>25</u>	52 Room, Area ¹	NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS
SWEL Components: <u>SWEL1- 002,</u>	033, 050, 096, 097	
No photo necessary		No photo necessary

Note:

Note:

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 013	Status: Y N U
Location: Bldg. <u>RB</u> Floor El.	<u>252'</u> Room, Area ¹	REACTOR BUILDING (SOUTH SIDE),COL LINES 12Y TO 11Z AND M TO HZ, ELEV 252'-6" DWG REF G191148 SHT 1
SWEL Components: <u>SWEL1 - 0</u>	01, 003, 004, 033	
Instructions for Completing Checklist		
This checklist may be used to document space below each of the following questi Additional space is provided at the end c	ions may be used to recor	alk-By near one or more SWEL items. The rd the results of judgments and findings. enting other comments.
 Does anchorage of equipment in potentially adverse seismic condi opening cabinets)? 	the area appear to be free tions (if visible without neo	e of Y⊠ N□ U□ N/A□ cessarily
2. Does anchorage of equipment in	the area appear to be free	e of Y⊠ N⊡ U⊡ N/A⊡
significant degraded conditions?	··	
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear t 	ear to be free of potentially n of supports is adequate a	y adverse and fill

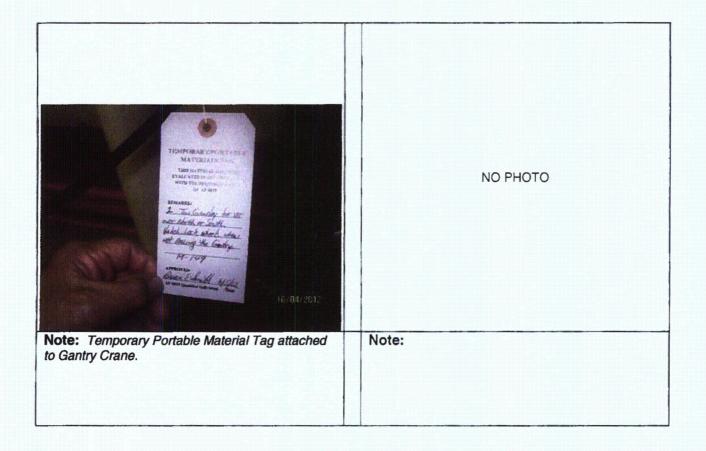
^{&#}x27; If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

			Attachment D	Engineering	Report No. VY-RPT-12-0001 Rev.
					Page 64 of 19
	HMENT 9.7				AREA WALK-BY CHECKLIST
Sheet 2 Area	2 of 5 Walk-By Checkli	ist (AWC)	<u>AWC- 013</u>		Status: Y N U
Locati	on: Bldg. <u>RB</u>	Floor El. 2	52' Room, Area ¹	LINES 12Y TO 1	DING (SOUTH SIDE),COL 1Z AND M TO HZ, ELEV F G191148 SHT 1
SWEI	L Components:	<u>SWEL1 - 001</u>	. 003. 004. 033		
4.		s with other equip	of potentially adverse s ment in the area (e.g., o		
5.			of potentially adverse sing or spray in the area?	eismic Y	
6.	Does it appear tha interactions that co		of potentially adverse son the area?	eismic YD	⊠ N∏ U∏ N/A∏
7.	interactions associ portable equipmer shielding)?	ated with housek at, and temporary	of potentially adverse se eeping practices, storag installations (e.g., scaff puth wall and East of PC	ge of olding, lead	3 N U U N/A
	not tied but secure	d per procedure .	AP-0019.		

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ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·	<u> </u>	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli	ist (AWC)	AWC- 013	Status: Y N U
Location: Bldg. <u>RB</u>	Floor El.	252' Room, Ar	ea ¹ <u>REACTOR BUILDING (SOUTH SIDE),COL</u> <u>LINES 12Y TO 11Z AND M TO HZ, ELEV</u> <u>252'-6" DWG REF G191148 SHT 1</u>
SWEL Components:	SWEL1 - 00	1, 003, 004, 033	
		other seismic conditions of the equipment in	
Comments (Additional pa	ages may be ad	ded as necessary)	
·			
			х х
Evaluated by: <u>Kirit Parikh</u>	KPa.	ite 10/18/	Date: <u>10/04/2012</u>
Randy Ster	ohens Ro	moy Steph	ens 12/18/2012 10/04/2012

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)AV	VC- 013	Status: Y NUU
Location: Bldg. <u>RB</u> Floor El. <u>252</u>	² Room, Area	¹ <u>REACTOR BUILDING (SOUTH SIDE),COL</u> <u>LINES 12Y TO 11Z AND M TO HZ, ELEV</u> 252'-6" DWG REF G191148 SHT 1
SWEL Components: <u>SWEL1 - 001</u> ,	003, 004, 033	
Photographs		
Note: Gantry Crane near South wall.	Note	<image/> i

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 67 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkl	ist (AWC) <u>AW(</u>	<u>C- 013</u>	Status: Y NUU
Location: Bldg. <u>RB</u>	Floor El. 252'	Room, Area	REACTOR BUILDING (SOUTH SIDE),COL LINES 12Y TO 11Z AND M TO HZ, ELEV 252'-6" DWG REF G191148 SHT 1
SWEL Components:	SWEL1 - 001, 00	03, 004, 033	



	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Rev. 0
ATTACHMENT 9.7	······································	Page 68 of 198 AREA WALK-BY CHECKLIST
Sheet 1 of 5		······································
Area Walk-By Checklist (AWC)	AWC- 014	Status: Y NU
Location: Bldg. <u>RB</u> Floor El.	213' Room, Area ¹	<u>HPCI ROOM,FL ELEV 213'-9"REF</u> <u>DWGG191148</u>
SWEL Components: SWEL1 - 02	7,028,068,094,095	
Instructions for Completing Checklist This checklist may be used to document space below each of the following question Additional space is provided at the end of	ons may be used to record	Ik-By near one or more SWEL items. The I the results of judgments and findings. nting other comments.
 Does anchorage of equipment in t potentially adverse seismic condit opening cabinets)? 		
2. Does anchorage of equipment in t significant degraded conditions?	he area appear to be free	of Y⊠ N⊡ U□ N/A□
 Based on a visual inspection from raceways and HVAC ducting appe seismic conditions (e.g., condition conditions of cable trays appear to 	ear to be free of potentially of supports is adequate a	adverse
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

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

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 69 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)	AWC- 014	Status: Y N U
Location: Bldg. <u>RB</u> Floor El. <u>2</u>		I ROOM.FL ELEV 213'-9"REF GG191148
SWEL Components: SWEL1 - 027	7,028,068,094,095	
 Does it appear that the area is free spatial interactions with other equip and lighting)? The light fixtures have low mass ar therefore have no concern. 	oment in the area (e.g., ceiling	tiles
5. Does it appear that the area is free interactions that could cause floodi		Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free interactions that could cause a fire 		Y⊠N⊡ U⊡ N/A⊡
 Does it appear that the area is free interactions associated with housel portable equipment, and temporary shielding)? Oily rags container securely tied off 	ceeping practices, storage of r installations (e.g., scaffolding,	, lead

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
		Page 70 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		
Area Walk-By Checklist (AWC)	AWC- 014	Status: Y NUU
Location: Bldg. <u>RB</u> Floor E	El. <u>213'</u> Room, Area ¹	HPCI ROOM,FL ELEV 213'-9"REF DWGG191148
SWEL Components: SWEL1 -	027,028,068,094,095	
8. Have you looked for and found adversely affect the safety fund		
Comments (Additional pages may be	added as necessary)	· · · · · · · · · · · · · · · · · · ·
Evaluated by: Kirit Parikh	Parite 10/18/	2012 Date: <u>10-09-2012</u>
Randy Stephens	Perof Stephen	10/18/2012 10-09-2012
	· · · · · · · · · · · · · · · · · · ·	

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
			Page 71 of 198
TTACHMENT 9.7		······	AREA WALK-BY CHECKLIST
heet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AW</u>	C- 014	Status: Y N U
			HPCI ROOM,FL ELEV 213'-9"REF DWGG191148
SWEL Components:	<u>SWEL1 - 027,02</u>	28,068,094,095	
hotographs			
No photo	o necessary		No photo necessary
Note:		Note:	

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 72 of 19	
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST	
Sheet 5 of 5		Status: Y N U	
Area Walk-By Checklist (AWC)	<u>AWC-014</u>		
Location: Bldg. <u>RB</u> Floor El.		<u>CI ROOM,FL ELEV 213'-9''REF</u> 'GG1911 <u>48</u>	
SWEL Components: <u>SWEL1 - C</u>	027,028,068,094,095		
· · ·			

Note:

No photo necessary

Note:

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No photo necessary

	Attachment D	Engineering Report No. VY-RPT-12-00 Re
		Page 73 of
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) <u>AW</u>	<u>/C- 015</u>	
Location: Bldg. <u>RB</u> Floor El. <u>252'</u>	/ Room, Area ¹	N.E CORNER. ELEV 252'-6", COL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE,
		<u>DWG REF G 191148 SHT 1</u>
SWEL Components: <u>SWEL1- 020</u>		······································
Instructions for Completing Checklist		· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the r space below each of the following questions r Additional space is provided at the end of this	may be used to record	the results of judgments and findings.
 Does anchorage of equipment in the a potentially adverse seismic conditions opening cabinets)? 		
 Does anchorage of equipment in the a significant degraded conditions? 	area appear to be free	of YX N UNA
		· ·
 Based on a visual inspection from the raceways and HVAC ducting appear to seismic conditions (e.g., condition of s conditions of cable trays appear to be 	to be free of potentially supports is adequate a	/ adverse Ind fill

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

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ATTACHMENT 9.7 Sheet 2 of 5		
Sheet 2 of 5		Page 74 of 19 AREA WALK-BY CHECKLIST
Area Walk-By Checklist (AWC)	AWC- 015	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>2</u>	Room, Area ¹	N.E CORNER, ELEV 252'-6", COL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE,
SWEL Components: SWEL1- 020)	<u>DWG REF G 191148 SHT 1</u>
4. Does it appear that the area is free spatial interactions with other equip and lighting)?	of potentially adverse se	
5. Does it appear that the area is free interactions that could cause flood		
6. Does it appear that the area is free interactions that could cause a fire	e of potentially adverse se	eismic YX N UN/A
 Does it appear that the area is free interactions associated with house portable equipment, and temporary shielding)? 24' ladder is hanging on the wall 12 angle and hanged as per industry point of the second second	keeping practices, storag y installations (e.g., scaffc 2' from the MCC 9D. Is se	ge of olding, lead secured at an [/]
	·	

	Attachment D	Engineering Report No. VY-RPT-12-000 Rev Page <u>75 of</u> 1
TTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		Status: YX N
Area Walk-By Checklist (A	WC) <u>AWC-015</u>	
Location: Bldg. <u>RB</u>	-loor El. <u>252'</u> Room, Area	¹ <u>N.E CORNER, ELEV 252'-6", COL LINE 12 Y</u> <u>TO AZ=0 AND AZ=270 DEGREE,</u>
		DWG REF G 191148 SHT 1
SWEL Components: <u>SW</u>	EL1- 020	
	found no other seismic conditions by functions of the equipment in the	
<u>Comments (</u> Additional pages n		
Evaluated by: <u>Kirit Parikh</u>	Parife 10/18/2	Date: <u>10-09-2012</u>
Randy Stephens	Randy Stephen	<u>1018/2012 10-09-2012</u>

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 76 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)A	NC- 015	Status: YX N
Location: Bldg. <u>RB</u> Floor El. <u>252</u>		<u>N.E CORNER, ELEV 252'-6", COL LINE 12 Y</u> <u>TO AZ=0 AND AZ=270 DEGREE,</u> <u>DWG REF G 191148 SHT 1</u>
SWEL Components: SWEL1- 020		
Photographs		· · · · · · · · · · · · · · · · · · ·
No photo necessary		No photo necessary
Note:	Note:	ì

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 77 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AW(</u>	<u> 2- 015</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>RB</u>	Floor El. 252'	Room, Area	N.E CORNER, ELEV 252'-6", COL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE, DWG REF G 191148 SHT 1
SWEL Components:	SWEL1- 020		

······	
No photo necessary Note:	No photo necessary Note:

	A	Attachment D	Engineering Report N	No. VY-RPT-12-00019 Rev. 0
				Page 78 of 198
ATTACHMENT 9.7			Area W	ALK-BY CHECKLIST
Sheet 1 of 5				
Area Walk-By Checkl	ist (AWC) <u>AWC</u> -	016		us: Y⊠ N□ U□
Location: Bldg. <u>RB</u>	Floor El. <u>280</u>	Room, Area ¹ <u>N</u>	ORTHEAST QUADRAN	<u>T OF ROOM</u>
SWEL Components:	<u>SWEL1- 036, 037,</u> 098, 099	038, 039, 040, 042	2, 043, 044, 045, 046,	047, 048, 049,
Instructions for Comple	eting Checklist		······································	
This checklist may be use space below each of the Additional space is provid	following questions may	y be used to record th	he results of judgments a	
	of equipment in the area e seismic conditions (if ?			
	· · · · · · · ·	<i>.</i>		
2. Does anchorage of significant degrad See comment #1	of equipment in the area ed conditions?	a appear to be free o	f Y⊠ N⊟ U	J N/A
	inspection from the floo AC ducting appear to b			
seismic conditions	e (e.g., condition of sup e trays appear to be ins	ports is adequate and	d fill	·

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

		Attachment D	Engineering Repo	rt No. VY-RPT-12-000 Rev.
		<u> </u>		Page 79 of 19
ATTACHMENT 9.7 Sheet 2 of 5			AREA	WALK-BY CHECKLIST
Area Walk-By Checklis	st (AWC) <u>AW</u>	/ <u>C- 016</u>	Sta	tus: Y🛛 N 🗌 U 🗌
Location: Bldg. <u>RB</u>	Floor El. 280	Room, Area ¹ <u>N</u>	IORTHEAST QUADRA	NT OF ROOM
SWEL Components:	<u>SWEL1- 036, 03</u>	<u>37, 038, 039, 040, 04</u>	2, 043, 044, 045, 046	<u>, 047, 048, 049,</u>
		potentially adverse seis ent in the area (e.g., ceil		U N/A
		potentially adverse seis or spray in the area?	mic Y⊠ N⊡	
		potentially adverse seis	mic 'Y⊠ N□	U N/A
interactions that co	uld cause a fire in t	ne area?		•
interactions associa	ated with housekee	potentially adverse seis ping practices, storage stallations (e.g., scaffolc	of	

		Attachment D	Enginee	ring Report No. VY-RPT-12	
			•	Page 80	Re D of
ATTACHMENT 9.7				AREA WALK-BY CHECK	(LIS
Sheet 3 of 5 Area Walk-By Checkli	st (AWC)	AWC- 016		Status: Y⊠ N□	υC
Location: Bldg. <u>RB</u>	Floor El.	280 Room, Are	a' <u>NORTHEAS</u>	T QUADRANT OF ROOM	_
SWEL Components:	SWEL1- 03 098, 099	6, 037, 038, 039, 040), 042, 043, 044	1, 045, 046, 047, 048, 04 <u>9</u>	<u>9,</u>
		o other seismic conditio ons of the equipment in		YX N U	
			•		
each plate has sufficient to ho 2. Scaffolding sup	in front of RK25 2 bolted conne Id the railing-no port column att e of the bolted	5-6A/B has a metal plate actions. One of the nuts seismic issue by engin ached to railing (near Fi	is loose howeve leering judgment K25-6A/B) no se	leg for connection to the flo r the remaining nuts are ismic issue by engineering here is no seismic issue by	
Evaluated by: <u>Marcus He</u>	cht-Nielsen		1/18/2012	Date: <u>10-9-12</u>	
Raymond 1	worek R	ynur F Frond	10/18/12	<u>10-9-12</u>	
			۲		

	A	tachment D	Engineerin	g Report No. VY-RPT-12-00019 Rev. 0 Page 81 of 198
ATTACHMENT 9.7				AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) <u>AWC</u>	- 016		Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u>	Floor El. <u>280</u>	Room,	Area ¹ NORTHEAST	QUADRANT OF ROOM
SWEL Components:	SWEL1- 036, 037 098, 099	, 038, 039,	040, 042, 043, 044,	045, 046, 047, 048, 049,
Photographs				

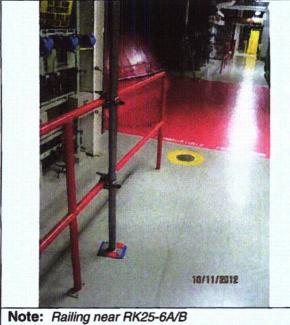


Note: Railing in front of RK25-6A/B



Note: Detail showing loose bolt on plate

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 016</u>	Status: YX N U
Location: Bldg. <u>RB</u>	Floor El. 280 Room, Area ¹	NORTHEAST QUADRANT OF ROOM
SWEL Components:	<u>SWEL1- 036, 037, 038, 039, 040, 0</u> 098, 099	042, 043, 044, 045, 046, 047, 048, 049,





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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (A)	WC) AWC- 017	Status: YX N
Location: Bldg. <u>CB</u> F	Toor El. <u>248</u> Room, Area	¹ West SWGR (NW Corner)
SWEL Components: SW	EL1- 025	
space below each of the following	ocument the results of the Area W	Valk-By near one or more SWEL items. The ord the results of judgments and findings. nenting other comments.
	oment in the area appear to be fre nic conditions (if visible without ne	
2. Does anchorage of equip significant degraded con	oment in the area appear to be fre ditions?	ee of Y⊠N⊡U⊡N/A⊡
raceways and HVAC due seismic conditions (e.g.,	tion from the floor, do the cable/co ting appear to be free of potential condition of supports is adequate appear to be inside acceptable lin	lly adverse and fill

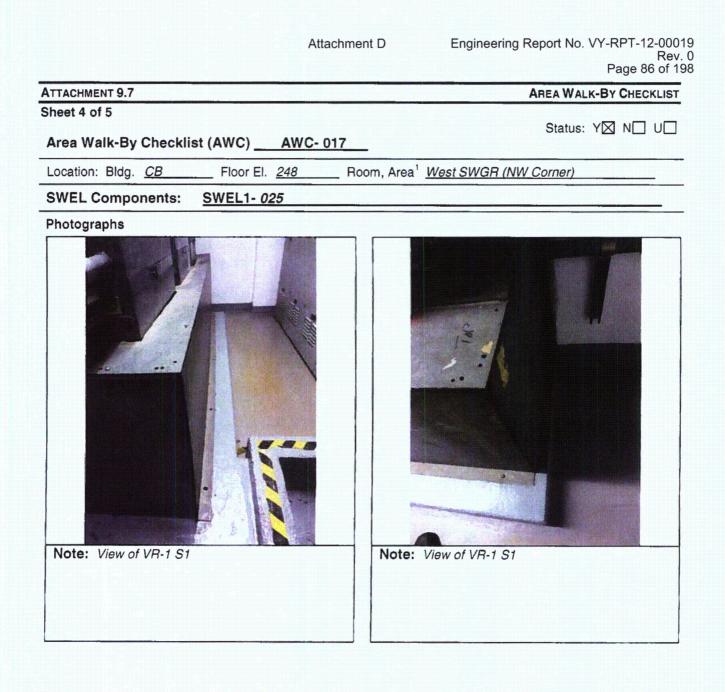
^{*} If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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ATTACHMENT 9.7		AREA W	ALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)A	.WC- 017	Statu	s: YX N U
Location: Bidg. <u>CB</u> Floor El. <u>24</u>		est SWGR (NW Corner)	
4. Does it appear that the area is free of spatial interactions with other equipse and lighting)?			
 Does it appear that the area is free interactions that could cause floodin 		nic Y⊠N⊟ U	
 Does it appear that the area is free of interactions that could cause a fire in 		nic Y⊠N⊡U	I
 Does it appear that the area is free of interactions associated with houseke portable equipment, and temporary shielding)? 	eeping practices, storage of	f	□ N/A□

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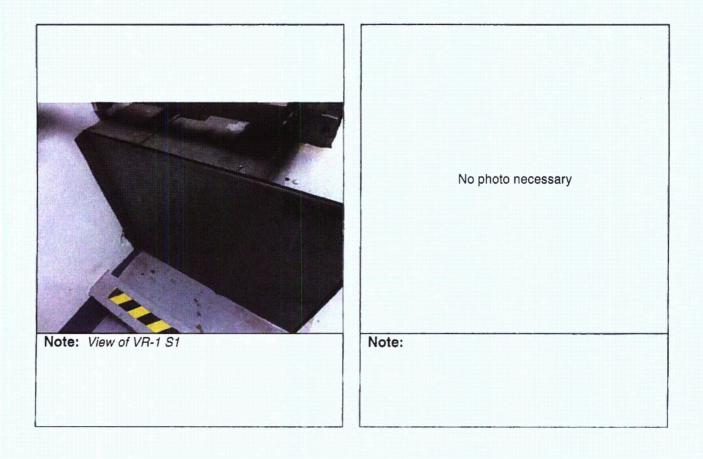
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			Re Page 85 of
TTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 5			Status: Y🛛 N🗌 U
Area Walk-By Checklist	(AWC) <u>AWC- 017</u>	7	
Location: Bldg. <u>CB</u>	_ Floor El. <u>248</u>	Room, Area ¹ West SW	GR (NW Corner)
SWEL Components:	SWEL1- 025		
	and found no other seisn safety functions of the eq		YX NO UO
Noted VR-1 S1 appe		anchor fasteners. No s	eismic issue since cabinet has low e.
	ared to be missing some ing bolts are sufficient to	anchor fasteners. No s	9.



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	AREA WALK-BY CHECKLIST
	Status: Y⊠ N□ U□
AWC- 017	
248 Room, Area ¹	West SWGR (NW Corner)
	AWC- 017

SWEL Components: SWEL1- 025



	At	tachment D	Engineering Report No	Rev. (
				Page 88 of 19
ATTACHMENT 9.7 Sheet 1 of 5			AREA W	ALK-BY CHECKLIST
Area Walk-By Checkl	ist (AWC) <u>AWC-</u>	018	Status	s: YX N U
Location: Bldg. <u>RB</u>	Floor El. <u>280</u>	Room, Area ¹ <u>S</u>	OUTHWEST QUADRAN	T OF ROOM
SWEL Components:	SWEL1- 012, 021	······································		
Instructions for Comple	•	ults of the Area Walk	-By near one or more SW	El itoms The
	following questions may	y be used to record t	he results of judgments a	
	of equipment in the area e seismic conditions (if ?			
*				
2. Does anchorage of significant degrad	of equipment in the area ed conditions?	a appear to be free o	f Y⊠N⊟ U	□ N/A□
· ·			,	
raceways and HV seismic conditions	inspection from the floo AC ducting appear to be s (e.g., condition of supp e trays appear to be insi	e free of potentially a ports is adequate and	dverse	□ N/A□
• • •				

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

			Attachme	ent D	Engineeri	ing Report No. \	/Y-RPT-12-0001/ Rev. Page 89 of 19
ATTACHMENT 9.7						AREA WALK	-BY CHECKLIST
Sheet 2 of 5 Area Walk-By	<u> </u>		WC- 018				
				-			
Location: Bldg.		_ Floor El. <u>2</u>		om, Area <u>s</u>	SOUTHWEST	T QUADRANT C	<u>)F HOOM</u>
SWEL Compo		SWEL1- 012,		· · · · · · · · · · · · · · · · · · ·			
	teractions wi	e area is free th other equip				YX N U	N/A[_]
		e area is free I cause floodii			smic	YX ND UD	N/A
		e area is free I cause a fire i		adverse seis	mic	YX ND UD	N/A
interactio	ons associate equipment, a	e area is free d with housek nd temporary	eeping practi	ces, storage	of	Y⊠ N⊟ U⊟	N/A

		Atta	chment D	Engine	eering Report	No. VY-RP	
						Pag	Rev. 0 90 of 198 ge
ATTACHMENT 9.7		· · · · · · · · · · · · · · · · · · ·			AREA W	ALK-BY CH	IECKLIST
Sheet 3 of 5 Area Walk-By Checkl	st (AWC)	AWC- 01	8		Stat	us: Y🛛 N	
Location: Bldg. <u>RB</u>	Floor El.			SOUTHWE	ST QUADRAI	NT OF ROO	<u>DM</u>
SWEL Components:	SWEL1-0	12, 021		· · · · · · · · · · · · · · · · · · ·			
8. Have you looked f adversely affect th					YX N	J	
<u>Comments (</u> Additional pa	ages may be a	added as neo	essarv)				
Portable platform	•			e per AP0019	- Okay.		
Evaluated by: Marcus He	cht-Nielsen			1.8/20	∕∠-Date: <u>10-9</u> 10-9	-12	
Raymond	worek	Jaymor F	Tweeh	10/18/10	<u>10-9</u>	-12	

	Att	achment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 91 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	st (AWC) AWC- (018	Status: Y⊠ N□ U□
Location: Bldg: <u>RB</u>	Floor El. <u>280</u>	Room, Area ¹ S	SOUTHWEST QUADRANT OF ROOM
SWEL Components:	SWEL1- 012, 021		
Photographs			
No phote	o necessary	Note:	No photo necessary

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	А	ttachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
			Page 92 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5	· · · · · · · · · · · · · · · · · · ·		
Area Walk-By Checkli	st (AWC) <u>AWC- (</u>	018	Status: Y🛛 N🗌 U
Location: Bldg. <u>RB</u>	Floor El. 280	Room, Area ¹	SOUTHWEST QUADRANT OF ROOM
SWEL Components:	SWEL1- 012, 021		
······································			· · · · · · · · · · · · · · · · · · ·
	····		
			·•
No photo	necessary		No photo necessary

Note:

Note:

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 93 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)AWC- 019	Status: YX N U
Location: Bldg. <u>RB</u> Floor	r El. <u>280</u> Room, Area ¹	NORTHWEST QUADRANT OF ROOM
SWEL Components: SWEL	1- 022	
space below each of the following q	ment the results of the Area Wa juestions may be used to record	alk-By near one or more SWEL items. The d the results of judgments and findings.
Additional space is provided at the of 1. Does anchorage of equipme potentially adverse seismic of opening cabinets)?		
2. Does anchorage of equipme significant degraded conditio		of Y⊠ N⊡ U⊡ N/A⊡
seismic conditions (e.g., con	from the floor, do the cable/co appear to be free of potentially dition of supports is adequate a ear to be inside acceptable limit	y adverse

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

TACHMENT 9.7	AREA WALK-BY CHECKLIST
eet 2 of 5 rea Walk-By Checklist (AWC) <u>AWC- 019</u>	Status: Y⊠ N⊟ U⊟
ocation: Bldg. <u>RB</u> Floor El. <u>280</u> Room, Area ¹ <u>NORTHWE</u>	ST QUADRANT OF ROOM
WEL Components: <u>SWEL1- 022</u>	
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y⊠ N□ U□ N/A□
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	YX N UN N/A

• •		Attachment D	Engineering Rep	ort No. VY-RPT-12-00019 Rev. 0 Page 95 of 198
ATTACHMENT 9.7			ARE	A WALK-BY CHECKLIST
Sheet 3 of 5				Status: YX N U
Area Walk-By Checkli	st (AWC)	AWC- 019		
Location: Bldg. <u>RB</u>	Floor El.	280 Room, Area ¹	NORTHWEST QUAD	RANT OF ROOM
SWEL Components:	SWEL1- 02	2		
		o other seismic conditions ons of the equipment in the		
Comments (Additional pa	iges may be ac	lded as necessary)		
		- -		
Evaluated by: <u>Marcus Hec</u>	cht-Nielsen	101	18/2012 Date: 1	10-9-12
Raymond T	worek Ray	at French 10	18/12	0-9-12
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		Attachment D	Engineering Report No. VY-RPT-12-000 Rev. Page 96 of 19
ATTACHMENT 9.7	<u></u>		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checkli	ist (AWC)	AWC- 019	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>RB</u>	Floor El.	280 Room, Area ¹	NORTHWEST QUADRANT OF ROOM
SWEL Components:	SWEL1- 02	22	
Photographs			
	o necessary		No photo necessary
Note:		Note:	

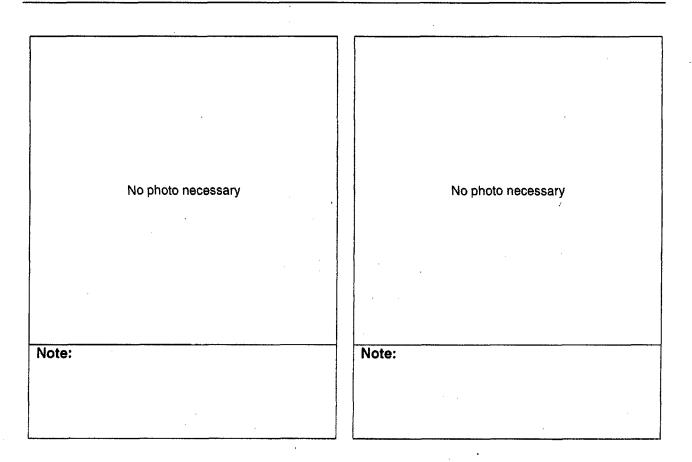
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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 97 of 198
ATTACHMENT 9.7	· · ··································	AREA WALK-BY CHECKLIST
Sheet 5 of 5	ANIC 010	Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)	AWC- 019	

Location: Bldg. <u>RB</u> Floor El. <u>280</u> Room, Area¹ <u>NORTHWEST QUADRANT OF ROOM</u>

SWEL Components: SWEL1- 022



		Attachment D	Engineering Report No	Rev. (
A			A	Page 98 of 198
ATTACHMENT 9.7 Sheet 1 of 5				ALK-BY CHECKLIST
Area Walk-By Checkli	ist (AWC)	AWC- 020	Status	::Y⊠ N□ U□
Location: Bldg. CB	Floor El. 2	Room, Area	¹ EAST SWGR (NE Corner)	
SWEL Components:	SWEL1- 023	3, 101		
	ed to document the following question	ns may be used to reco	/alk-By near one or more SW rd the results of judgments an ienting other comments.	
	e seismic conditi	he area appear to be fre ons (if visible without ne		□ N/A []
2. Does anchorage c significant degrade		ne area appear to be fre	e of Y⊠ N⊡ U	
raceways and HV seismic conditions	AC ducting apper (e.g., condition	the floor, do the cable/c ar to be free of potential of supports is adequate be inside acceptable lir	lly adverse and fill] N/A

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

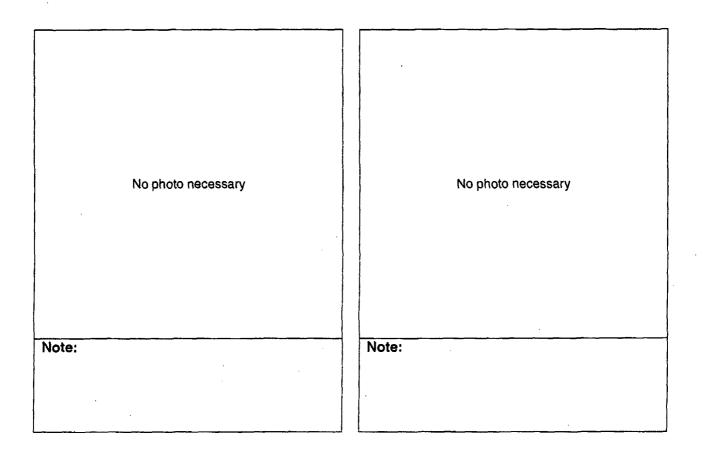
	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. (
ATTACHMENT 9.7		Page 99 of 198
Sheet 2 of 5	AWC- 020	Status: YX N U
Location: Bldg. <u>CB</u> Floor El. 2	248 Room, Area ¹ <u>EAS1</u>	SWGR (NE Corner)
SWEL Components: SWEL1- 023		
4. Does it appear that the area is free spatial interactions with other equi and lighting)?		
		·
Does it appear that the area is free interactions that could cause flood		YX N UN N/A
 Does it appear that the area is free interactions that could cause a fire 		Y 🖾 N 🗌 U 🔲 N/A 🗍
 Does it appear that the area is free interactions associated with house portable equipment, and temporary shielding)? Two - Four wheeled carts located is chained to column with wheels part issue by engineering judgment. 	keeping practices, storage of y installations (e.g., scaffolding, near the 1KV BUS2; both are	

	Attachment D	Engineering Report No. VY-RPT-12-000 Rev.
ATTACHMENT 9.7		Page 100 of 1s
Sheet 3 of 5		
Area Walk-By Checklist (AWC)	AWC- 020	Status: YX N U
Location: Bldg. <u>CB</u> Floor	El. 248 Room, Area ¹	EAST SWGR (NE Corner)
SWEL Components: SWEL1	- 023, 101	
 Have you looked for and foun adversely affect the safety fur 	nd no other seismic conditions nctions of the equipment in the	
· ·		
Comments (Additional pages may b	e added as necessary)	
Evaluated by: Marcus Hecht-Nielsen	10/10	B/70/2 Date: 10-9-12
Raymond Tworek	Ray no F Twosel 10/	10-9-12
	,	

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 101 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)A	NC- 020	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u> Floor El. <u>248</u>	B Room, Area	1 EAST SWGR (NE Corner)
SWEL Components: SWEL1- 023,	101	
Photographs		
Note: Both wheeled carts chained to colu	mn. Note:	We we further the

ŀ	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 102 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)AW(<u>C- 020</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u> Floor El. <u>248</u>	Room, Area	a ¹ EAST SWGR (NE Corner)

SWEL Components: SWEL1- 023, 101



	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7	۰ 	Page 103 of 198 AREA WALK-BY CHECKLIST
Sheet 1 of 5	· · ·	
Area Walk-By Checklist (AWC)AV	NC- 021	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CB</u> Floor El. <u>262</u>	? Room, Area	NORTH OF COLUMN 14z, WEST OF COLUMN Hy
SWEL Components: SWEL1-016		
Instructions for Completing Checklist		
This checklist may be used to document the space below each of the following questions Additional space is provided at the end of thi	may be used to reco	d the results of judgments and findings.
 Does anchorage of equipment in the potentially adverse seismic conditions opening cabinets)? 		
2. Does anchorage of equipment in the significant degraded conditions?	area appear to be fre	e of YXNUNA
 Based on a visual inspection from the raceways and HVAC ducting appear seismic conditions (e.g., condition of s conditions of cable trays appear to be 	to be free of potential supports is adequate	y adverse
		. ·
		-

.

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

	Attachment D	Engineering Report No. VY-RPT-12-00	
		Page 104 of	ev. (198
ATTACHMENT 9.7	and the second	AREA WALK-BY CHECKLIS	iT
Sheet 2 of 5 Area Walk-By Checklist (AWC)A	WC- 021	Status: YX N	<u>]</u>
Location: Bldg. <u>CB</u> Floor El. <u>26</u>		NORTH OF COLUMN 14z, WEST OF COLUMN Hy	- <u>-</u>
SWEL Components: <u>SWEL1-016</u>			
4. Does it appear that the area is free spatial interactions with other equip and lighting)?			
· · · ·			
5. Does it appear that the area is free interactions that could cause floodir		ismic Y⊠ N⊡ U⊡ N/A⊡	
6. Does it appear that the area is free		ismic YX N U V N/A	
interactions that could cause a fire i	n the area?		
 Does it appear that the area is free interactions associated with housek portable equipment, and temporary shielding)? 	eeping practices, storage	e of	
		an a	<u></u>

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Rev. 0
ATTACHMENT 9.7	·	Page 105 of 198 AREA WALK-BY CHECKLIST
Sheet 3 of 5		
Area Walk-By Checklist (AWC)AV	VC- 021	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u> Floor El. <u>262</u>		NORTH OF COLUMN 14z, WEST OF COLUMN Hy
SWEL Components: <u>SWEL1-016</u>	• · · · · · · · · · · · · · · · · · · ·	
8. Have you looked for and found no oth adversely affect the safety functions of		
Comments (Additional pages may be added	t as necessary)	
		12012 Date: 10-9-12
Evaluated by: Marcus Hecht-Nielsen		A(1/2 Date: <u>10-9-12</u>
Raymond Tworek	your & Juoul 1	0/18/1- 10-9-12

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 106 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 5		·····	
Area Walk-By Checkli	st (AWC) <u>AW</u>	<u>/C- 021</u>	Status: YX N U
Location: Bldg. <u>CB</u>	Floor El. <u>262</u>	Room, Area ¹	NORTH OF COLUMN 14z, WEST OF COLUMN Hy
SWEL Components:	SWEL1- 016		
Photographs			
	,		
No photo	necessary		No photo necessary
)
Note:	····	Note:	
L		L	

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	•	Attachment	D		019 v. 0
	·			Page 107 of	198
ATTACHMENT 9.7				AREA WALK-BY CHECKLIST	-
Sheet 5 of 5				Status: Y⊠ N⊡ U⊡	
Area Walk-By Checki	ist (AWC) <u>AW</u>	<u>C- 021</u>			
Location: Bldg. CB	Floor El. 262	Room	, Area¹ <u>/</u> <u>(</u>	NORTH OF COLUMN 14z, WEST OF COLUMN Hy	-
SWEL Components:	SWEL1- 016				_
					-
	····				7
*					
No phot	o necessary			No photo necessary	
Note:			Note:		1
					1

· ·	Attachment D	Engineering Report No.	VY-RPT-12-00019 Rev. 0 Page 108 of 198
ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·	AREA WAL	K-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)	AWC- 022	Status:	
Location: Bldg. <u>CB</u> Floor El. <u>2</u>		NORTH OF COLUMN 13y, L COLUMN Hy	EAST OF
SWEL Components: SWEL1-017			
Instructions for Completing Checklist			
This checklist may be used to document the space below each of the following question Additional space is provided at the end of the space space is provided at the space space space at the space sp	ns may be used to record	the results of judgments and	
 Does anchorage of equipment in the potentially adverse seismic condition opening cabinets)?] N/A
Does anchorage of equipment in th significant degraded conditions?	e area appear to be free o	of Y⊠ N⊡ U⊑] N/A
 Based on a visual inspection from t raceways and HVAC ducting appea seismic conditions (e.g., condition o conditions of cable trays appear to 	r to be free of potentially a f supports is adequate an be inside acceptable limits	adverse d fill s)?] N/A[]

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

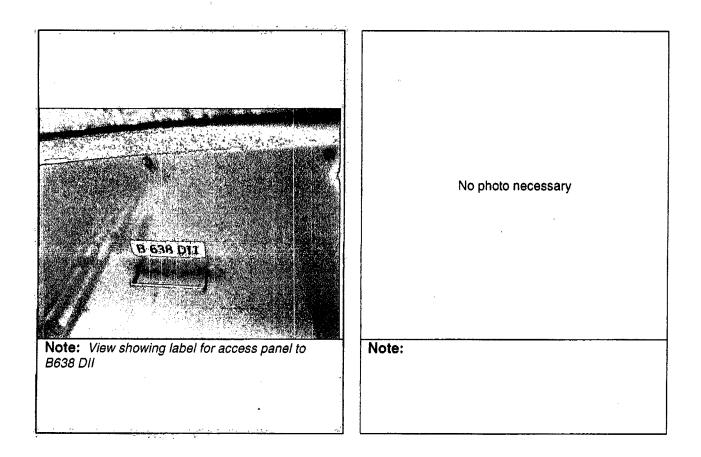
					Attachment D	Eng	jineering F	Report No.	VY-RPT-12-00019 Rev. (
ATTAON	MENT 9.7		·			р			Page 109 of 198
Sheet 2					** <u>***********************************</u>	• • <u></u>	/	AREA WALK	-BY CHECKLIST
		Checkli	st (AWC) _	AWC	- 022			Status:	YX ND UD
Locatio	on: Bldg.	<u>CB</u>	Floor E	. <u>262</u>	Room, Are	a ¹ <u>NORTH (</u> <u>COLUMN</u>		MN 13y, E	AST OF
SWEL	. Compo	onents:	SWEL1-	017					
		teractions			tentially adverse t in the area (e.g				N/A
							•		,
					tentially adverse spray in the area		Y⊠	N]] U]]	N/A
6.	Does it a interactio	ppear tha ons that co	t the area is f uld cause a	ree of po fire in the	tentially adverse area?	seismic	Y⊠	N_ U_	N/A
	interactio	ns associa	ated with hou	isekeepir	tentially adverse ng practices, stor llations (e.g., sca	age of			N/A
5	shielding))?							۲

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. (Page 110 of 198
ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli		AWC- 022	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u>	Floor El. <u>2</u>		¹ NORTH OF COLUMN 13y, EAST OF COLUMN Hy
SWEL Components:	SWEL1- 017	•	
 Have you looked for adversely affect the 	or and found no e safety function	other seismic condition is of the equipment in the	s that could YX N U
Comments (Additional pa	ges may be ado	led as necessary)	
	538 DII has 2 sc gement (see ph		/TY-2012-05126 - no seismic issue by
Evaluated by: <u>Marcus Hec</u>	ht-Nielsen		10/18/2011_Date: 10-9-12
Raymond T	worek Ray.	WERL 101	1.8/2012 10-9-12

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 111 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC)A	NC- 022	Status: Y N N
Location: Bldg. <u>CB</u> Floor El. <u>262</u>	2 Room, Area ¹	<u>NORTH OF COLUMN 13y, EAST OF</u> COLUMN Hy
SWEL Components: SWEL1- 017		
Photographs		
Note: View of access panel to B638 Dil.	access	

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC) _	AWC- 022	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u> Floor E	. <u>262</u> Room, Area	NORTH OF COLUMN 13y, EAST OF COLUMN Hy

SWEL Components: <u>SWEL1-017</u>



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		Rev. 0 Page 113 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 023	Status: YX N U
Location: Bldg. <u>CB</u> Floor El.	262 Room, Area' <u>E</u>	BATTERY ROOM
SWEL Components: <u>SWEL1-01</u>	5	
Instructions for Completing Checklist		
This checklist may be used to document space below each of the following quest Additional space is provided at the end of	ions may be used to record I	the results of judgments and findings.
 Does anchorage of equipment in potentially adverse seismic condi opening cabinets)? 		
 Does anchorage of equipment in significant degraded conditions? 	the area appear to be free c	of Y⊠N⊡U⊡N/A⊡
 Based on a visual inspection from raceways and HVAC ducting app seismic conditions (e.g., condition conditions of cable trays appear t 	ear to be free of potentially a n of supports is adequate an	adverse d fill

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

			Attac	hment D	Enginee	ring Repo		RPT-12-00019- Rev. 0
ATTACHMENT 9.7			·			ARE		Page 114 of 198
Sheet 2 of 5 Area Walk-By	Checklist (/	AWC)	AWC- 02	3		S	Status: Y	
Location: Bldg.		Floor El.		Room, Area ¹	BATTERY R	 COM		
SWEL Compo		NEL1- 01	••					
4. Does it a	opear that the teractions with	area is fre	e of potent	ially adverse se ne area (e.g., c		YX N		//A
				ially adverse se ay in the area?	eismic	Y⊠ N[_ U N	/A
	opear that the ns that could			ally adverse se a?	elsmic	Y⊠ N[- U[] N	/A[]
interactio	ns associated equipment, an	with house	keeping p	ally adverse se ractices, storag ons (e.g., scaffc	e of	YX N(] ∪[] №	/A 🗌

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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
		Page 115 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		Status: YX N U
Area Walk-By Checklist (AWC)	AWC- 023	
Location: Bldg. <u>CB</u> Floor El. <u>2</u>	262 Room, Area ¹ <u>B4</u>	TTERY ROOM
SWEL Components: <u>SWEL1-01</u>	5	
8. Have you looked for and found no adversely affect the safety function	other seismic conditions than ns of the equipment in the ar	t could YX N U
Comments (Additional pages may be add	ded as necessary)	
Evaluated by: Marcus Hecht-Nielsen	10/18	/2011 Date: 10-9-12
Raymond Tworek Ray	1 Thore 10/12	3/1 <u>10-9-12</u>

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ATTACHMENT 9.7	·		AREA WALK-BY CHECKLIST
Sheet 4 of 5	· · · · · · · · · · · · · · · · · · ·		Status: Y⊠ N∏ U⊡
Area Walk-By Checkli	st (AWC) <u>AW</u>	/C- 023	
Location: Bldg. <u>CB</u>	Floor El. <u>262</u>	Room, Area ¹	BATTERY ROOM
SWEL Components:	<u>SWEL1- 015</u>		······
Photographs			
No photo	o necessary		No photo necessary
•			,
			·
Note:		Note:	
note:	·	inote:	

		Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 117 of 19
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AW</u>	<u>C- 023</u>	Status: YX N U
Location: Bldg. CB	Floor El. <u>262</u>	Room, Area ¹	BATTERY ROOM
SWEL Components:	SWEL1- 015		

Note:

No photo necessary

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Note:

No photo necessary

		Attachmen	nt D	Engineering Re	-	Y-RPT-12-0001 Rev.
ATTACHMENT 9.7			·· · ·	A,		Page 118 of 19 By CHECKLIST
Sheet 1 of 5					TEA WALK-	DI CHECKLIST
Area Walk-By Check	ist (AWC)	AWC- 024			Status: Y	N U
Location: Bldg. <u>CB</u>	Floor El.	<u>248</u> Roo		/ITCHGEAR ROC DOM	OM WEST-	ENTIRE
SWEL Components:	SWEL1- 01	3, 024				
Instructions for Comple This checklist may be us space below each of the Additional space is provi	ed to document following questi	the results of the ons may be used	to record the	results of judgm	ents and fir	tems. The ndings.
 Does anchorage potentially advers opening cabinets 	e seismic condi					N/A□
2. Does anchorage significant degrad		the area appear t	to be free of	Y 🖾 M		N/A□
		·				
 Based on a visual raceways and HV seismic conditions conditions of cabl 	AC ducting app s (e.g., condition	ear to be free of p of supports is ac	ootentially ad lequate and i	verse fill	V [] U [] V	v/A∏
	·					
1						

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

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 119 of 198 AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)	AWC- 024	Status: Y⊠ N□ U□
Location: Bldg. <u>CB</u> Floor	El. <u>248</u> Room, Area ¹ <u>SW</u> <u>RO</u>	<u>ITCHGEAR ROOM WEST-ENTIRE</u> OM
SWEL Components: SWEL1	- 013, 024	
	s free of potentially adverse seismi equipment in the area (e.g., ceiling	
	s free of potentially adverse seismi flooding or spray in the area?	ic Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area i interactions that could cause 	s free of potentially adverse seismi a fire in the area?	ic Y⊠ N□ U□ N/A□
interactions associated with h portable equipment, and temp shielding)?	s free of potentially adverse seismi ousekeeping practices, storage of porary installations (e.g., scaffolding eels are turned 90 degrees to each n.	g, lead
	· · ·	

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	Attachment D	Engineering	Report No. VY-RPT-12-0001 Rev.
	·		Page 120 of 19
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 5			Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) _	AWC- 024		
Location: Bldg. <u>CB</u> Floor E	I. <u>248</u> Room, Area	<u>SWITCHGEAR F</u> ROOM	IOOM WEST-ENTIRE
SWEL Components: SWEL1-	013, 024		
8. Have you looked for and found adversely affect the safety fund See comment			
	•		
Comments (Additional pages may be	added as necessary)		
	ger, located in the NW corne der in not located near any s ler, by engineeiting judgmen	afety equipment ar	
		······	
Evaluated by: <u>Marcus Hecht-Nielsen</u>	10,	18/2012 Da	te: <u>10-9-12</u>
Raymond Tworek	Raynet Ful	10/18/11-	<u>10-9-12</u>

	Attachm	ent D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Rev. 0
ATTACHMENT 9.7	and a state of the second s		Page 121 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5			Status: Y⊠ N□ U□
Area Walk-By Checklist	(AWC) <u>AWC- 024</u>	-	
Location: Bldg. <u>CB</u>	_ Floor El. <u>248</u> Ro	oom, Area ¹	SWITCHGEAR ROOM WEST-ENTIRE ROOM
SWEL Components:	SWEL1- 013, 024		
Photographs		and the second	
Note: View of Ladder han	ger	Note:	Tadder hanger detail

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5	10,004	Status: YX N
Area Walk-By Checklist (AWC) <u>AW</u> Location: Bldg. <u>CB</u> Floor El. <u>248</u>		a' <u>SWITCHGEAR ROOM WEST-ENTIRE</u>
SWEL Components: <u>SWEL1- 013, 0</u>	24	<u>ROOM</u>
No photo necessary Note:	Note	No photo necessary

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)	AWC- 025	Status: YX N U
Location: Bldg. <u>RB</u> Floor El.	<u>303'</u> Room, Area ¹	<u>NORTH WEST, TK-55-1A, COL LINE HX TO</u> <u>11Z, FL. ELEV 303, DWG REF G 19 1149</u> SHT 2
SWEL Components: <u>SWEL1-0</u>	56, 078, 080	
	nt the results of the Area W itions may be used to recor	alk-By near one or more SWEL items. The d the results of judgments and findings. enting other comments.
 Does anchorage of equipment in potentially adverse seismic cond opening cabinets)? 	n the area appear to be free ditions (if visible without ne	e of YXNUUN/AU cessarily
 Does anchorage of equipment in significant degraded conditions? 		e of Y⊠ N⊡ U⊡ N/A⊡
 Based on a visual inspection fro raceways and HVAC ducting ap seismic conditions (e.g., condition conditions of cable trays appear 	pear to be free of potential on of supports is adequate	y adverse and fill

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

· · · ·	Attachment D	Engineering Ro	eport No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		A	Page 124 of 198 REA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)A	WC- 025	·	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>303</u>	<u>3'</u> Room, Area ¹		55-1 <u>A, COL LINE HX TO</u> DWG REF G 19 1149
SWEL Components: <u>SWEL1- 056</u> ,	078, 080	······	
4. Does it appear that the area is free or spatial interactions with other equipment and lighting)?			
 Does it appear that the area is free or interactions that could cause flooding 		eismic YX	N U N/A
 Does it appear that the area is free o interactions that could cause a fire in 		eismic Y⊠ I	
 Does it appear that the area is free or interactions associated with houseke portable equipment, and temporary in shielding)? 	eping practices, storage	ge of	N U N/A

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 125 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 025</u>	Status: Y N N
Location: Bldg. <u>RB</u>	Floor El. <u>303'</u> Room, Area ¹	<u>NORTH WEST, TK-55-1A, COL LINE HX TO</u> <u>11Z, FL. ELEV 303, DWG REF G 19 1149</u> SHT 2
SWEL Components:	<u>SWEL1- 056, 078, 080</u>	
	or and found no other seismic conditions e safety functions of the equipment in th	
	•	
Comments (Additional pa	ages may be added as necessary)	
Evaluated by: <u>Kirit Parikh.</u> <u>Randy Step</u>	Q. A.I	Date: $\frac{10/10/12}{18/2012}$
	······································	· · · · · · · · · · · · · · · · · · ·

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
		Page 126 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC) _	AWC- 025	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El	. <u>303'</u> Room, Area ¹	<u>NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL, ELEV 303, DWG REF G 19 1149</u> SHT 2
SWEL Components: SWEL1- 0	056, 078, 080	
Photographs	· · · · · · · · · · · · · · · · · · ·	
No photo necessary		No photo necessary
Note:	Note:	
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	A	tachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 127 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC-</u>	025	Status: Y⊠ N∏ U∏
Location: Bldg. <u>RB</u>	Floor El. <u>303'</u>	Room, Area ¹	<u>NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2</u>
SWEL Components:	SWEL1- 056, 078,	080	

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No photo necessary	No photo necessary
Note:	Note:

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev.
ATTACHMENT 9.7		Page 128 of 19 AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC) <u>AV</u>	VC- 026	
Location: Bldg. <u>RB</u> Floor El. <u>246</u>		DRUS CW,DWG REF G 191148 FL. ELEV 3'-9". NW CORNER.NEAR NORT WALL
SWEL Components: SWEL1-067		
Instructions for Completing Checklist	·	· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the space below each of the following questions Additional space is provided at the end of thi	may be used to record the	e results of judgments and findings.
 Does anchorage of equipment in the potentially adverse seismic conditions opening cabinets)? 		YX N UNA
Does anchorage of equipment in the significant degraded conditions?	area appear to be free of	
	, ,	
· · · · · · · · · · · · · · · · · · ·		
 Based on a visual inspection from the raceways and HVAC ducting appear f seismic conditions (e.g., condition of conditions of cable trays appear to be 	to be free of potentially ad supports is adequate and	lverse
	• •	

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

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 129 of 198 AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AV	VC) <u>AWC- 026</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Fl	loor El. <u>246'</u> Room, Area ¹	1 <u>TORUS CW,DWG REF G 191148 FL. ELEV</u> 213'-9", NW CORNER,NEAR NORT WALL
SWEL Components: SWE	EL1- 067	
	rea is free of potentially adverse so ther equipment in the area (e.g., c	
	rea is free of potentially adverse so use flooding or spray in the area?	
6. Does it appear that the ar interactions that could ca	rea is free of potentially adverse so use a fire in the area?	seismic Y⊠ N⊡ U⊡ N/A⊡
interactions associated w	rea is free of potentially adverse so ith housekeeping practices, storag temporary installations (e.g., scaff	ge of

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		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7			Page 130 of 198 AREA WALK-BY CHECKLIST
Sheet 3 of 5		2.000	Status: YX N U
Area Walk-By Checkli	st (AWC) <u>AWC</u>	- 026	
Location: Bldg. <u>RB</u>	Floor El. <u>246'</u>	Room, Area ¹	TORUS CW,DWG REF G 191148 FL, ELEV 213'-9", NW CORNER,NEAR NORT WALL
SWEL Components:	SWEL1- 067		
8. Have you looked f adversely affect th	or and found no other e safety functions of		
·			
Comments (Additional pa	ages may be added a	s necessary)	
	·		
<u></u>			······································
Evaluated by: <u>Kirit Parikh</u>	RPai A	c 10/18/201	2 Date: 10/10/12
Randy Ster	ohens Rand	y Stephe	NS 10/18/2012 10/10/12
		/	

		Attachme	nt D	Engineering Report No. VY-	RPT-12-00019 Rev. 0
ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·			AREA WALK-BY	age 131 of 198
Sheet 4 of 5 Area Walk-By Checklis	st (AWC)	AWC- 026		Status: Y⊠	
Location: Bldg. <u>RB</u>	Floor El.	<u>246'</u> Roc	m, Area ¹	TORUS CW,DWG REF G 191148 213'-9", NW CORNER.NEAR NO	<u>3 FL. ELEV</u> <u>RT WALL</u>
SWEL Components:	SWEL1- 06	67			
Photographs					
				·	-
No photo Note:	o necessary		Note:	No photo necessary	

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		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 132 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC)AW(<u> 2- 026</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u>	Floor El. <u>246'</u>	Room, Area ¹	<u>TORUS CW.DWG REF G 191148 FL. ELEV 213'-9". NW CORNER.NEAR NORT WALL</u>
SWEL Components:	SWEL1- 067		

No photo necessary	No photo necessary
Note:	Note:

Attachment D	Engineering Report No. VY-RPT-12-0001 Rev.
	Page 133 of 19 AREA WALK-BY CHECKLIST
	Status: Y⊠ N⊟ U⊟
AWC- 027	
<u>303</u> Room, Area	a ¹ <u>SOUTH OF COL LN 11x, NORTH OF COL</u> <u>LN 9y, WEST OF COL LN N, EAST OF COL</u> LN L
8. SWEL2-001, 002,	003, 004, 005, 011, 006 VAA TO/W/1-7
ions may be used to reco	Valk-By near one or more SWEL items. The ord the results of judgments and findings. nenting other comments.
the area appear to be fre tions (if visible without ne	
the area appear to be fre	ee of Y⊠ N□ U□ N/A□
	· · · · · · · · · · · · · · · · · · ·
the floor, do the cable/c ear to be free of potentia	ally adverse
o be inside acceptable lir	
6 there	10/10/1-
An	2 10-25-12
	<u>AWC- 027</u> <u>303</u> Room, Area <u>303</u> Room, Area <u>8. SWEL2-001, 002,</u> The results of the Area V ions may be used to reco of this checklist for docum the area appear to be from tions (if visible without no the area appear to be from the area appear to be from the appear to be from the area appear to be from the appear

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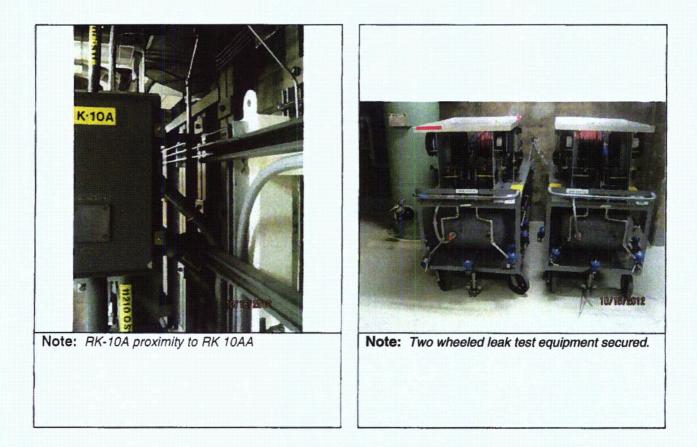
	Attachment D	Engineering Report No.	Rev. (
ATTACHMENT 9.7		ARFA WAI	Page 134 of 198
Sheet 2 of 5	AWC- 027		
Location: Bldg. <u>RB</u> Floor El. <u>30</u>	<u> </u>	SOUTH OF COL LN 11x, NO LN 9y. WEST OF COL LN N LN L	DRTH OF COL I, EAST OF COL
SWEL Components: <u>SWEL1- 018.</u>	SWEL2-001, 002, 003		LON 10/1/11
4. Does it appear that the area is free spatial interactions with other equip and lighting)?] N/A
5. Does it appear that the area is free interactions that could cause floodir		smic Y⊠ N□ U□] N/A
 Does it appear that the area is free interactions that could cause a fire it 		smic Y⊠ N☐ U] N/A
 Does it appear that the area is free interactions associated with housek portable equipment, and temporary shielding)? Leak test equipment - 2 wheeled can secured in place with a mechanical seismic issue by engineering judgm 	eeping practices, storage installations (e.g., scaffold erts (PCLRT-RIG1 & RIG2 locked brake on one side	of ding, lead ?) <i>are</i>] N/A
seisinie issue by engineening juugn	ын (366 рныс) .		. · · ·

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 135 of 19
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)	AWC- 027	. — — —
Location: Bldg. <u>RB</u> Floor E	El. <u>303</u> Room, Area	A ¹ SOUTH OF COL LN 11x, NORTH OF COL LN 9y. WEST OF COL LN N, EAST OF COL LN L
SWEL Components: <u>SWEL1-</u>	018. SWEL2-001, 002,	003,004,005,011,006 AA 10/1/1 003,004,005,011,006 N 10-15
 Have you looked for and found adversely affect the safety fun- RK-10A has ~6 inch gap to RI secured to concrete floor on fr bolts are anchored in concrete issue with 6 inch gap by engin 	ctions of the equipment in t < 10AA. RK-10A has small ame RK-10 with 4 anchor b and are in good condition-	he area? mass and is polts. The 4 no seismic
Comments (Additional pages may be	added as necessary)	
Evaluated by: Marcus Hecht-Nielsen		0/18/2012 Date: 10-10-12
<u>Raymond Tworek</u>	and f Jurnh 10	<u>/18/1 10-10-12</u>

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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 136 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC)	VC- 027	Status: YX N U
Location: Bldg. <u>RB</u> Floor El. <u>303</u>		N 9y. WEST OF COL LN N, EAST OF COL
SWEL Components: SWEL1- 018.	SWEL2-001, 002, 003,	. 004, 005, 011, 006 VAI 10/1/10
Photographs		SEE SHEET !
<image/> <image/>	Note: Vie	ew of Fk-10A

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 137 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5		Status: YX N
Area Walk-By Checkli	st (AWC) <u>AWC- 027</u>	
Location: Bldg. <u>RB</u>	Floor El. <u>303</u> Room, Are	a ¹ SOUTH OF COL LN 11x, NORTH OF COL
		LN 9y. WEST OF COL LN N, EAST OF COL
SWEL Components:	SWEL1- 018. SWEL2-001, 002,	003, 004, 005, 011, 006 With 10/11/12
		SEE PAGE



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		Page 138 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AW</u>	<u>/C- 028</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>222</u>	Room, Area ¹	<u>TORUS AREA,FL ELEV 213'-9",AZ = 180</u> DEGREE, COL LINE G WALL
SWEL Components: SWEL1-079		
Instructions for Completing Checklist		· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the space below each of the following questions Additional space is provided at the end of this	may be used to record	the results of judgments and findings.
 Does anchorage of equipment in the a potentially adverse seismic conditions opening cabinets)? 		
2. Does anchorage of equipment in the a significant degraded conditions?	area appear to be free	of Y⊠ N⊡ U⊡ N/A⊡
 Based on a visual inspection from the raceways and HVAC ducting appear to seismic conditions (e.g., condition of s conditions of cable trays appear to be 	o be free of potentially supports is adequate a	adverse
·		:

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

	AREA WAL	K-BY CHECKLIST
)28	Status:	
the area (e.g., ceil	ing tiles] N/A
ntially adverse seis oray in the area?	mic Y⊠N U] N/A
ntially adverse seis rea?	mic Y 🖾 N 🗌 U 🗌] N/A
practices, storage	of] N/A
	ntially adverse seis the area (e.g., ceil ad. No seismic cond ntially adverse seis oray in the area?	ntially adverse seismic Y ⊠ N⊡ U⊡

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EN-DC-168 REV 0

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		Attachment D	Engineeri	ng Report No. VY-F	Rev. 0
				Pa	ige 140 of 198
ATTACHMENT 9.7			<u></u>	AREA WALK-BY	CHECKLIST
Sheet 3 of 5			,	Status, VM	
Area Walk-By Checkl	ist (AWC) <u>A</u>	WC- 028		Status: YX	
Location: Bldg. <u>RB</u>	Floor El. <u>22</u>	2 <u>2'</u> Room, Area		,FL ELEV 213'-9",/ L LINE G WALL	4 <u>Z = 180</u>
SWEL Components:	SWEL1-079			·······	
		ther seismic conditions of the equipment in th		YX N U	
			<u>.</u>		
Comments (Additional p	ages may be adde	ed as necessary)			
,	·				
			•		
Evaluated by: Kirit Parikh	Pail	a 10/18/20	12	Date: <u>10/11/2012</u>	
Randy Ste	ohens Raw	sy Stiphen 1	0/18/2012	<u>10/11/2012</u>	
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		Page 141 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC)	AWC- 028	Status: YX N U
Location: Bldg. <u>RB</u> Floor El.	222' Room, Area ¹	<u>TORUS AREA.FL ELEV 213'-9".AZ = 180</u> DEGREE. COL LINE G WALL
SWEL Components: <u>SWEL1-07</u>)	
Photographs		· · · · · · · · · · · · · · · · · · ·
No photo necessary		No photo necessary
Note:	Note:	

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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC) _	AWC- 028	Status: Y⊠ N∏ U∏
Location: Bldg. <u>RB</u> Floor El	. <u>222'</u> Room, Area	a ¹ <u>TORUS AREA,FL ELEV 213'-9",AZ = 180</u> <u>DEGREE, COL LINE G WALL</u>

SWEL Components: SWEL1-079

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No photo necessary	No photo necessary
Note:	Note:

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 143 of 198 AREA WALK-BY CHECKLIST
Sheet 1 of 5		
Area Walk-By Checklist (AWC)	AWC- 029	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>RB</u> Floor	El. <i>252'</i> Room, Area ¹	AZ= 270DEGREE.COL LINE UPTO M TO HX. NEAR CRD CONTROL UNIT P3-13.REF DWG. G191148 FL. ELEV. 252'-6"
SWEL Components: SWEL1-	· 102	
Instructions for Completing Check	list	en e
This checklist may be used to docum space below each of the following qu Additional space is provided at the er	estions may be used to record	Ik-By near one or more SWEL items. The I the results of judgments and findings. nting other comments.
 Does anchorage of equipmen potentially adverse seismic co opening cabinets)? 	it in the area appear to be free anditions (if visible without nec	
2. Does anchorage of equipmen significant degraded condition		of YX NI UI N/AI
 Based on a visual inspection f raceways and HVAC ducting seismic conditions (e.g., cond conditions of cable trays appe 	appear to be free of potentially ition of supports is adequate a	nd fill

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

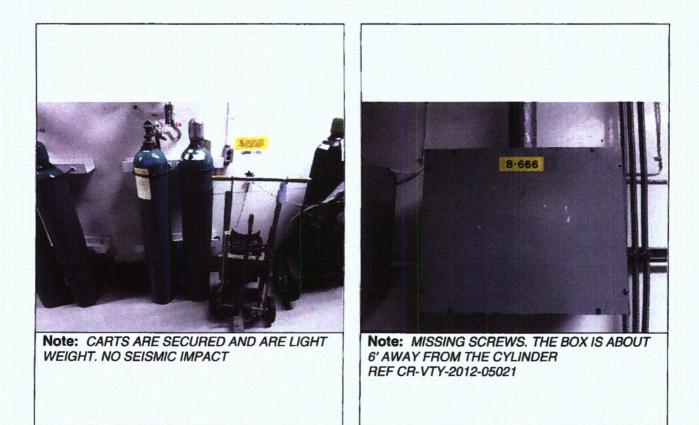
	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
· · · · · · · · · · · · · · · · · · ·		Page 144 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>A</u>	WC- 029	Status: YX N U
Location: Bldg. <u>RB</u> Floor El. <u>25</u>	E	AZ= 270DEGREE.COL LINE UPTO M TO HX. NEAR CRD CONTROL UNIT P3-13,REF DWG. G191148 FL. ELEV, 252'-6"
SWEL Components: SWEL1- 102		· · · · · · · · · · · · · · · · · · ·
 Does it appear that the area is free of spatial interactions with other equipries and lighting)? A cylinder cart is very near to the exist chained and securely fastened. Conversionally no impact 	nent in the area (e.g., cei isting nitrogen cylinder (a	iling tiles
5. Does it appear that the area is free c interactions that could cause flooding		smic Y⊠ N⊡ U⊡ N/A⊡
 Does it appear that the area is free c interactions that could cause a fire ir 		smic Y⊠N⊡U⊡N/A⊡
 Does it appear that the area is free of interactions associated with houseke portable equipment, and temporary i shielding)? See the comments in column 4 	eping practices, storage	of

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	,				Rev. 0 Page 145 of 198
ATTACHMENT 9.7			·····	AREA WAL	K-BY CHECKLIST
Sheet 3 of 5				Statuer	
Area Walk-By Checkli	st (AWC)	WC- 029		010105.	
Location: Bldg. <u>RB</u>	Floor El. <u>25</u>	52' Room, Area		CONTROL	<u> JNIT P3-13,REF</u>
SWEL Components:	SWEL1- 102		<u>DWG. G191148</u>	<u>3 FL. ELEV, 2</u>	<u>52'-6"</u>
8. Have you looked f adversely affect th A junction box no cover is secured v	or and found no c e safety functions b-666 cover has r vith 4 screws. The	other seismic conditions of the equipment in the missing sheet metal sci o cover is very light so s R-VTY-2012-05006	e area? <i>ews. The</i>		
<u>Comments (</u> Additional pa Cylinder carts will	•	ed as necessary) sylinders. CR-VTY-2012	2-05021		
Evaluated by: <u><i>Kirit Parikh</i></u>	Ra	ate 10/18/2	<u>012</u> D	ate: <u>10/11/20</u>	<u>)12</u>
Randy Ster	ohens Ran	ndy Ltepher	10/18/2012	<u> </u>	012
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ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC)	AWC- 029	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>2</u>	<u>52'</u> Room, Area	AZ= 270DEGREE,COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13,REF DWG. G191148 FL. ELEV, 252'-6"
SWEL Components: SWEL1- 102		
Photographs		
Note: : CARTS ARE SECURED AND A LIGHT WEIGHT. NO SEISMIC IMPACT		• CARTS ARE SECURED AND ARE • WEIGHT. NO SEISMIC IMPACT

		Attachment D	Engineering Report No. VY-RP1-12-00019 Rev. (Page 147 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AW</u>	/C- 029	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>RB</u>	Floor El. <u>252</u> '	Z Room, Area ¹	AZ= 270DEGREE,COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13,REF DWG. G191148 FL. ELEV, 252'-6"
SWEL Components:	SWEL1- 102		



		Attachment D) En	gineering Rep	ort No. VY-RP	Rev. 0
ATTACHMENT 9.7				Δ	Page	148 of 198
Sheet 1 of 5		· · · · · · · · · · · · · · · · · · ·			EA WALK-DI O	HECKLIST
Area Walk-By Checkli	st (AWC)	AWC- 030		:	Status: Y🛛 N	
Location: Bldg. <u>RB</u>	Floor El.	<u>232'</u> Room,	Area ¹ <u>NECR</u>			
SWEL Components:	SWEL1-06	1,062				
Instructions for Comple This checklist may be use space below each of the f Additional space is provid	d to document ollowing question	ons may be used to	record the res	sults of judgme	ints and finding	
 Does anchorage of potentially adverse opening cabinets) 	e seismic condit	the area appear to l ions (if visible witho			U N/A]
2. Does anchorage o significant degrade		the area appear to l	be free of	Y⊠ N]
seismic conditions	AC ducting appe (e.g., condition	the floor, do the ca ear to be free of pot of supports is adec be inside acceptal	entially advers quate and fill		U N/A]
· .						·

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

Attachment D Engine	eering Report No. VY-RPT-12-0001 Rev.
ATTACHMENT 9.7	Page 149 of 19 AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 030</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u> Floor El. <u>232'</u> Room, Area ¹ <u>NECR</u>	· · · · · · · · · · · · · · · · · · ·
SWEL Components: SWEL1-061,062	
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?	YX NI UI N/AI
• •	

Sheet 3 of 5		AREA WA	LK-BY CHECKLIS
Area Walk-By Checklist (AW	C) <u>AWC- 030</u>	Status	: YX N U
Location: Bldg. <u>RB</u> Flo	or El. <u>232'</u> Room, Area	a ¹ <u>NECR</u>	
SWEL Components: SWE	L1- 061, <i>062</i>		·····
8. Have you looked for and for adversely affect the safety	ound no other seismic condition functions of the equipment in t		
Comments (Additional pages ma	y be added as necessary)		
	<i>'</i>		
	•		
Evaluated by: Kirit Parikh	Paike 10/18/2	2012 Date: 10/11/2	2012
	Rand Stephen	10/18/2012 10/11/A	2012
Randy Stephens	A15.1.1		

		Attachment D	Engineering Report No. VY-RPT-12-0001 Rev.
ATTACHMENT 9.7	<u> </u>		Page 151 of 19 AREA WALK-BY CHECKLIST
Sheet 4 of 5	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Area Walk-By Checkli	st (AWC) <u>AV</u>	<u>VC- 030</u>	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u>	Floor El. 232		¹ <u>NECR</u>
SWEL Components:	SWEL1-061,0	62	
Photographs	1 -		
No phot	o necessary		No photo necessary
Note:		Note:	
			,
	· · · · · · · · · · · · · · · · · · ·		

	Atta	chment D	Engineering Report N	o. VY-RPT-12-00019 Rev. (Page 152 of 198
ATTACHMENT 9.7			AREA W	ALK-BY CHECKLIST
Sheet 5 of 5		<u> </u>		
Area Walk-By Checklist (AV	VC) <u>AWC- 03</u>	30	Status	s: Y⊠ N□ U□
Location: Bldg. <u>RB</u> F	loor El. <u>232'</u>	_ Room, Area ¹ <u>N</u>	ECR	· · · ·
SWEL Components: SWI	EL1- 061, <i>062</i>	•		
	· · · · · · · · · · · · · · · · · · ·			
	•			
		-		
			· ·	
No photo neces	ssary		No photo necessar	y
Note:		Note:		
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	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. (
ATTACHMENT 9.7		Page 153 of 198 AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)	AWC- 031	Status: YX N U
Location: Bldg. <u>YARD</u> Floor El. 2		ONDENSATE STORAGE TANK, YARD REA
SWEL Components: SWEL1-026		
Instructions for Completing Checklist	<u></u>	
This checklist may be used to document the space below each of the following question Additional space is provided at the end of	ns may be used to record th	ne results of judgments and findings.
 Does anchorage of equipment in the potentially adverse seismic condition opening cabinets)? 		
•		• •
2. Does anchorage of equipment in the significant degraded conditions?	ne area appear to be free of	
 Based on a visual inspection from raceways and HVAC ducting appe seismic conditions (e.g., condition conditions of cable trays appear to 	ar to be free of potentially ac of supports is adequate and	dverse
		· · · · · · · · · · · · · · · · · · ·

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

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			Attac	hment D	Engine	ering Report No	. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7	,			• •		AREA WA	Page 154 of 198
Sheet 2 of 5						· · · · · · · · · · · · · · · · · · ·	
Area Walk-By	y Checklis	t (AWC)	AWC- 03	1		Status	: YX N U
Location: Bldg	YARD	Floor El.	<u>252'</u>	Room, Area ¹	<u>CONDENS</u> AREA	SATE STORAGE	TANK, YARD
SWEL Comp	onents:	SWEL1- 02	26				
	nteractions			ially adverse s ne area (e.g., c		YX N U	N/A
				ially adverse s ay in the area?		Y⊠ N⊟ U	□ N/A□
		the area is fr Ild cause a fii		ially adverse s a?	eismic	Y⊠ N∏ U[] N/A
interacti	ons associa equipment,	ted with hous	ekeeping p	ally adverse s ractices, stora ons (e.g., scaff	ge of	Y⊠ N⊟ U[] N/A[]

	·	Rev Page 155 of 1
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC)	AWC- 031	
Location: Bidg. <u>YARD</u> Floor El.		ONDENSATE STORAGE TANK, YARD
SWEL Components: <u>SWEL1- 02</u>	6	
8. Have you looked for and found no adversely affect the safety function		
Evaluated by: <i>Kirit Parikh / KB</i>	~~~ 10/18/2	2012 Date: 10/02/2012
R	0	2012 Date: $10/02/2012$
Evaluated by: <u>Kirit Parikh / KPC</u> <u>Randy Stephens / Ro</u>	0	$\frac{20 2}{0 2} \text{ Date: } \frac{10/02/2012}{10/02/2012}$
Randy Stephens / Ro	my Stephens 11	0/18/2012 10/02/2012
<u>Randy Stephens / Ro</u>	ng Stephens 11	0/18/2012 10/02/2012
Randy Stephens / Ro	ng Stephens 11	0/18/2012 10/02/2012
Randy Stephens / Ro	ng Stephens 11	0/18/2012 10/02/2012
	ng Stephens 11	0/18/2012 10/02/2012
<u>Randy Stephens / Ro</u>	ng Stephens 11	0/18/2012 10/02/2012
<u>Randy Stephens / Ro</u>	ng Stephens 11	0/18/2012 10/02/2012
<u>Randy Stephens / Ro</u>	ng Stephens 11	0/18/2012 10/02/2012

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		Page 156 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5		
Area Walk-By Checklist (AWC) <u>AWC- 031</u>	Status: YX N U
Location: Bldg. <u>YARD</u> Floc	or El. <u>252'</u> Room, Area ¹	CONDENSATE STORAGE TANK, YARD
SWEL Components: SWEL	1- 026	
Photographs		
No photo necessa	arv	No photo necessary
Note:	Note:	

		Attachment D		Engineering Repo	ort No. VY-RPT-12-00019 Rev. 0 <u>Page 157 of 1</u> 98
ATTACHMENT 9.7				ARE	A WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checkli	st (AWC)	AWC- 031		S	itatus: YX N U
Location: Bldg. <u>YARD</u>	Floor El.	252'	Room, Area	<u>CONDENSATE STOR</u> AREA	AGE TANK, YARD
SWEL Components:	SWEL1- 02	26			
······				· · · ·	
	· · ·		· ·		
No photo	o necessary			No photo nece	ssary
Note:			Note:		·····

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ATTACHMENT 9.7		Page 158 of 1
Sheet 1 of 5		AREA WALK-DY CRECKLIS
Area Walk-By Checklist (AWC)AW(<u>C- 032</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>EDGR-B</u> Floor El. <u>252'</u>	Room, Area	D.G. ROOM-B, VENTILATION ROOM, TB
SWEL Components: <u>SWEL1-069</u>	· · · · · · · · · · · · · · · · · · ·	
Instructions for Completing Checklist		
This checklist may be used to document the respace below each of the following questions m Additional space is provided at the end of this	ay be used to reco	rd the results of judgments and findings.
 Does anchorage of equipment in the ar potentially adverse seismic conditions (opening cabinets)? 		
•		
Does anchorage of equipment in the ar significant degraded conditions?	ea appear to be fre	e of Y⊠ N□ U□ N/A□
		•
		<i></i>
 Based on a visual inspection from the fl raceways and HVAC ducting appear to seismic conditions (e.g., condition of su conditions of cable trays appear to be in 	be free of potential pports is adequate	ly adverse

This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item. _

		Attachment D	Engineering F	Report No. VY-RPT-12-00019 Rev. 0 Page 159 of 198
NT 9.7				AREA WALK-BY CHECKLIST
5 Ik-By Checkli	st (AWC)	AWC- 032		Status: Y⊠ N□ U□
Bldg. <u>EDGR-E</u>	3 Floor El. <u>2</u>	2 <u>52'</u> Room, Area	¹ <u>D.G ROOM-B.VE</u>	NTILATION ROOM, TB
omponents:	SWEL1- 069)		
] N U U N/A
			eismic Y⊠	
eractions associ	ated with house	keeping practices, stora	ge of	I N□ U□ N/A□
	5 Ik-By Checkli Bldg. <u>EDGR-E</u> omponents: bes it appear tha atial interactions d lighting)? bes it appear that eractions that co bes it appear that eractions that co bes it appear that eractions that co	5 Ik-By Checklist (AWC) Bldg. <u>EDGR-B</u> Floor El. <u>2</u> omponents: <u>SWEL1- 069</u> res it appear that the area is free atial interactions with other equid d lighting)? res it appear that the area is free eractions that could cause flood res it appear that the area is free eractions that could cause a fire eractions that could cause a fire res it appear that the area is free eractions associated with house rtable equipment, and temporary	NT 9.7 5 Ik-By Checklist (AWC)AWC- 032	NT 9.7 5 Ik-By Checklist (AWC) <u>AWC- 032</u> Bidg. <u>EDGR-B</u> Floor El. <u>252'</u> Room, Area ¹ <u>D.G.ROOM-B.VE</u> components: <u>SWEL1- 069</u> res it appear that the area is free of potentially adverse seismic atial interactions with other equipment in the area (e.g., celling tiles d lighting)? res it appear that the area is free of potentially adverse seismic eractions that could cause flooding or spray in the area? res it appear that the area is free of potentially adverse seismic eractions that could cause a fire in the area? res it appear that the area is free of potentially adverse seismic eractions that could cause a fire of potentially adverse seismic eractions that could cause a fire in the area?

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	Attachment D	Engineering Report No. VY-RPT-12-000
ATTACHMENT 9.7		Page 160 of AREA WALK-BY CHECKLIS
Sheet 3 of 5		Status: Y⊠ N⊟ U
Area Walk-By Checklist	(AWC) <u>AWC- 032</u>	
Location: Bldg. <u>EDGR-B</u>	_ Floor El. <u>252'</u> Room, Area ¹	D.G ROOM-B. VENTILATION ROOM, TB
SWEL Components:	SWEL1- 069	
	and found no other seismic conditions safety functions of the equipment in the	
	· · · · · · · · · · · · · · · · · · ·	
Evaluated by: <u><i>Kirit Parikh /</i></u>	Parike 10/18	2/2012_ Date: 10/03/2012
Randy Stephe	ns/ Randy Stephens	10/18/2012 10/03/2012
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	Attachment D	Rev.
ATTACHMENT 9.7		Page 161 of 19 AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC) <u>AW</u>	C- 032	Status: Y⊠ N□ U□
Location: Bldg. <u>EDGR-B</u> Floor El. <u>252'</u>	Room, Are	a ¹ <u>D.G ROOM-B, VENTILATION ROOM, TB</u>
SWEL Components: <u>SWEL1- 069</u>		
Photographs		
·.		
	:	
No photo necessary Note:	Note	No photo necessary e:

	Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 162 of 198
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)	AWC- 032	Status: Y⊠ N□ U□
Location: Bldg. <u>EDGR-B</u> Floor E	El. <u>252'</u> Room, Area	¹ <u>D.G ROOM-B, VENTILATION ROOM, TB</u>
SWEL Components: SWEL1-	069	

No photo necessary No photo necessary No photo necessary Note:

·		Re Page 163 of
TTACHMENT 9.7		AREA WALK-BY CHECKLIS
heet 1 of 5 Area Walk-By Checklist (A	WC) <u>AWC- 033</u>	Status: Y🛛 N🗍 U
ocation: Bldg. <u>RB</u>	Floor El. 213' Room, Area ¹ SE	CR
SWEL Components: SV	VEL1- 032, 058	
pace below each of the follow	Checklist document the results of the Area Walk-E ring questions may be used to record the the end of this checklist for documentin	e results of judgments and findings.
1. Does anchorage of equ	ipment in the area appear to be free of mic conditions (if visible without necess	
 Does anchorage of equisition of equisition of equisities and the significant degraded constraints of the signific	ipment in the area appear to be free of nditions?	
·		· · · · · · · · · · · · · · · · · · ·
raceways and HVAC du seismic conditions (e.g.	ection from the floor, do the cable/condu ucting appear to be free of potentially ad , condition of supports is adequate and s appear to be inside acceptable limits)?	lverse fill

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

heet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC- 033</u>		
	Status: YX N	υĽ
ocation: Bldg. <u>RB</u> Floor El. <u>213'</u> Re	 pom, Area ¹ <u>SECR</u>	
WEL Components: <u>SWEL1- 032, 058</u>		
4. Does it appear that the area is free of potentially spatial interactions with other equipment in the a and lighting)?		
		`
Does it appear that the area is free of potentially interactions that could cause flooding or spray in	adverse seismic YX NI UN/A	
6. Does it appear that the area is free of potentially interactions that could cause a fire in the area?	adverse seismic Y N U N/A	
· · · · ·		
7. Does it appear that the area is free of potentially interactions associated with housekeeping pract portable equipment, and temporary installations shielding)?	ices, storage of	

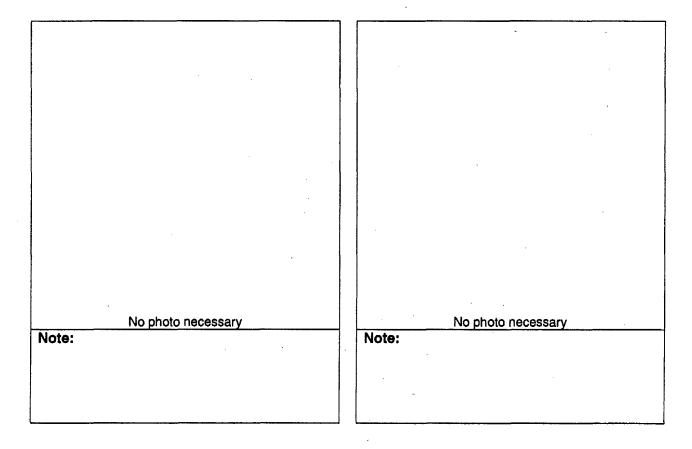
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	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. (Page 165 of 195
ATTACHMENT 9.7	· · · · · · · · · · · · · · · · · · ·	AREA WALK-BY CHECKLIST
Sheet 3 of 5		
Area Walk-By Checklist (AWC	C) <u>AWC- 033</u>	Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>RB</u> Floo	or El. <u>213'</u> Room, Area ¹	SECR
SWEL Components: SWEL	.1- <i>032, 058</i>	
	und no other seismic conditions the functions of the equipment in the second seco	
Comments (Additional pages may	/ be added as necessary)	
·		
Evaluated by: <u>Kirit Parikh /</u>	Parike 10/18	8 2012 Date: 10/11/2012
Randy Stephens /	Randy Stephe	us 10/18/2012 10/11/2012
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	Attachme	ent D I	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7		······································	Page 166 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist	(AWC) <u>AWC- 033</u>	_	Status: Y N U
Location: Bldg. <u>RB</u>	Floor El. <u>213'</u> Ro	om, Area ¹ <u>SECI</u>	7
SWEL Components:	SWEL1- 032, 058	·····	
Photographs			
	X 1		
No photo r	necessary		No photo necessary
Note:		Note:	

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SWEL Components:	SWEL1- 032. 058		
Location: Bldg. <u>RB</u>	Floor El. <u>213'</u>	_ Room, Area ¹ <u>SEC</u>	CR
Sheet 5 of 5 Area Walk-By Checkli	st (AWC) <u>AWC- 0</u>	33	Status: Y⊠ N□ U□
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
	Atta	achment D	Engineering Report No. VY-RP1-12-00019 Rev. 0 Page 167 of 198



		Attachment E) En	igineering Re	eport No.	VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7				Δ		Page 168 of 198 -By CHECKLIST
Sheet 1 of 5				~		
Area Walk-By Checkli	st (AWC)	AWC- 034			Status:	YX NO UO
Location: Bldg. <u>RB</u>	Floor Ei. 🛓	2 <u>32'</u> Room,	Area ¹ <u>SECR</u>			
SWEL Components:	SWEL1- 059)				
Instructions for Complete This checklist may be use space below each of the f Additional space is provid	d to document to ollowing questio	ns may be used to	record the res	ults of judgm	nents and	. items. The findings.
 Does anchorage o potentially adverse opening cabinets) 	seismic conditi	ne area appear to t ons (if visible witho		Υ⊠		N/A
 Does anchorage o significant degrade 		ne area appear to b	be free of	YX	N U	N/A
					' \	
 Based on a visual raceways and HVA seismic conditions conditions of cable 	C ducting appe (e.g., condition	ar to be free of pote of supports is adeq	entially adverse juate and fill		N U	N/A
		•				

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

		Attachment D	Engineering Repo	ort No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7			ARE	Page 169 of 198
Sheet 2 of 5		······································	······································	
Area Walk-By Checklis	st (AWC) <u>AV</u>	VC- 034	S	Status: YX N U
Location: Bldg. <u>RB</u>	Floor El. <u>232</u>		CR	
SWEL Components:	SWEL1- 059	· · · · · · · · · · · · · · · · · · ·		<u></u>
 Does it appear that spatial interactions and lighting)? 	the area is free of with other equipm	f potentially adverse seism ent in the area (e.g., ceilin		
		f potentially adverse seism	ic Y⊠ N[
interactions that co	uld cause flooding	or spray in the area?		
6. Does it appear that interactions that co		potentially adverse seism the area?	ic Y⊠ N[
			x	
interactions associa	ated with housekee	potentially adverse seism eping practices, storage of istallations (e.g., scaffoldin] U[] N/A[]
			· · · · · · · · · · · · · · · · · · ·	······

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		Attachment D	Engineering Report No. VY-RPT-12-000 Rev.
ATTACHMENT 9.7	<u>a </u>		Page 170 of 19 AREA WALK-BY CHECKLIST
Sheet 3 of 5			
Area Walk-By Check	ist (AWC) <u>A</u>	WC- 034	Status: Y⊠ N□ U□
Location: Bldg. <u>RB</u>	Floor El. <u>23</u>	2′ Room, Area¹ <u>SE</u>	CR
SWEL Components:	SWEL1- 059		
		ther seismic conditions tha of the equipment in the arc	
	• • •		
		•	
Comments (Additional p	ages may be adde		
	•	,	
Evaluated by: <u>Kirit Parikh</u>	, Parik	L 10/18/2012	Date: <u>10/11/12</u>
<u>Randy Ste</u>	phens Rom	of Stephens 12	18/2012 10/11/12

		Attachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0
ATTACHMENT 9.7			Page 171 of 198 AREA WALK-BY CHECKLIST
Sheet 4 of 5			
Area Walk-By Checkli	st (AWC) <u>AW</u>	C- 034	Status: Y🖾 N 🗌 U 🗌
Location: Bldg. RB	Floor El. <u>232'</u>	Room, Are	a' <u>SECR</u>
SWEL Components:	SWEL1- 059		
Photographs			
	· .		
No phot	o necessary	Note	No photo necessary
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	A1 -	tachment D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 172 of 198
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5			Status: Y N U
Area Walk-By Checkli	st (AWC) <u>AWC-</u>	034	
Location: Bldg. <u>RB</u>	Floor El. <u>232'</u>	Room, Area ¹	SECR
SWEL Components:	SWEL1- 059		

Note:

No photo necessary

Note:

No photo necessary

		Attachment D	Engineering R	eport No. VY-RPT-12-00019 Rev. 0 Page 173 of 198
ATTACHMENT 9.7				AREA WALK-BY CHECKLIST
Sheet 1 of 5			0	35Status: Y⊠ N⊟ U⊟
Area Walk-By Checklis	st (AWC) <u>AV</u>	<u>VC- 035</u>	·	
Location: Bldg. <u>RB</u>	Floor El. 213	, Room, Area ¹	NECR	
SWEL Components:	SWEL1- 005		· · · · · · · · · · · · · · · · · · ·	
Instructions for Complet	ing Checklist			
This checklist may be used space below each of the for Additional space is provide	ollowing questions	may be used to record	I the results of judg	ments and findings.
	seismic conditions	area appear to be free s (if visible without nec		
2. Does anchorage of significant degrade		area appear to be free	of Y⊠	
seismic conditions	C ducting appear t (e.g., condition of s	floor, do the cable/con to be free of potentially supports is adequate a inside acceptable limi	adverse	N☐ U☐ N/A☐

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

ITACHMENT 9.7		AREA WALK-BY CHECKLIST
neet 2 of 5		
Area Walk-By Checklist (AWC)AM	/C- 035	035Status: Y⊠ N∏ U∏
ocation: Bidg. <u>RB</u> Floor El. <u>213</u>	Room, Area ¹ <u>NECR</u>	
WEL Components: <u>SWEL1-005</u>		· · · · · · · · · · · · · · · · · · ·
4. Does it appear that the area is free of spatial interactions with other equipme and lighting)?	potentially adverse seismic ent in the area (e.g., ceiling tiles	Y⊠ N□ U□ N/A□
5. Does it appear that the area is free of interactions that could cause flooding		
 Does it appear that the area is free of interactions that could cause a fire in t 	potentially adverse seismic he area?	
 Does it appear that the area is free of interactions associated with housekee portable equipment, and temporary ins shielding)? 	ping practices, storage of	
		,

ATTACHMENT 9.7		Page 175 c AREA WALK-BY CHECKL
Sheet 3 of 5	· · · · · · · · · · · · · · · · · · ·	
Area Walk-By Checklist (AWC)A	WC- 035	035Status: Y⊠ N⊟ U
Location: Bidg. <u>RB</u> Floor El. <u>21</u>	<u>3'</u> Room, Area ¹	NECR
SWEL Components: <u>SWEL1-005</u>		
8. Have you looked for and found no o adversely affect the safety functions	ther seismic conditions t of the equipment in the	hat could YX NUU area?
· · · · · ·		
Comments (Additional pages may be adde	d as necessary)	
· · ·		· · ·
	······	
Evaluated by: Kirit Parikh	ike 10/18/2	2012 Date: 10/11/12
Randy Stephens Round	Stephens 10/18	8/2012 10/11/12
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		Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. (
ATTACHMENT 9.7			Page 176 of 19 AREA WALK-BY CHECKLIST
Sheet 4 of 5			
Area Walk-By Checki	ist (AWC) <u>AW</u>	/ <u>C- 035</u>	035Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>RB</u>	Floor El. <u>213'</u>	Room, Area	a ¹ <u>NECR</u>
SWEL Components:	SWEL1-005		· · · · · · · · · · · · · · · · · · ·
Photographs			
	o necessary		No photo necessary
Note:		Note:	:

	Attachme	nt D	Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 177 of 198
ATTACHMENT 9.7		•	AREA WALK-BY CHECKLIST
Sheet 5 of 5			
Area Walk-By Checkli	st (AWC) <u>AWC- 035</u>	-	035Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>RB</u>	Floor El. <u>213'</u> Ro	om, Area ¹ <u>N</u>	IECR
SWEL Components:	SWEL1-005		
ſ <u></u>			

No photo necessary No photo necessary Note:

	Attachment D	Engineering Report No. VY-RPT-12-00 Re Page 178 of
TTACHMENT 9.7		Page 178 of AREA WALK-BY CHECKLIS
heet 1 of 5		
Area Walk-By Checklist (AW	C) <u>AWC- 036</u>	Status: Y⊠ N⊡ U[
ocation: Bldg. CB Flo	oor El. <u>272</u> Room, Area ¹	NORTH HALF OF ROOM
SWEL Components: <u>SWE</u>	L1- 071, 072, 081	
nstructions for Completing Ch	ecklist	
	guestions may be used to record	alk-By near one or more SWEL items. The d the results of judgments and findings. Enting other comments.
	nent in the area appear to be free c conditions (if visible without nec	
· •	/isible and/or accessible was free c conditions.	of
2. Does anchorage of equipn significant degraded condi	nent in the area appear to be free tions?	e of Y⊠ N□ U□ N/A□
		· · · · · · · · · · · · · · · · · · ·
	on from the floor, do the cable/co	
seismic conditions (e.g., co	ng appear to be free of potentially ondition of supports is adequate a opear to be inside acceptable limi	and fill

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

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	Attachment D Engi	neering Report No. VY-RPT-12-00019 Rev. (
ATTACHMENT 9.7		Page 179 of 198 AREA WALK-BY CHECKLIST
Sheet 2 of 5		Status: YX N
Area Walk-By Checklist (AWC) _		
	I. <u>272</u> Room, Area ¹ <u>NORTH</u>	HALF OF ROOM
	<u>071, 072, 081</u>	
	free of potentially adverse seismic equipment in the area (e.g., ceiling tiles	Y⊠ N□ U□ N/A□ s
 Does it appear that the area is interactions that could cause flo 	free of potentially adverse seismic ooding or spray in the area?	
 Does it appear that the area is interactions that could cause a 		Y⊠ N□ U□ N/A□
	free of potentially adverse seismic usekeeping practices, storage of rary installations (e.g., scaffolding, lea	Y⊠ N□ U□ N/A□ Id

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			Attachm	ient D	Engineerii	ng Report No.	VY-RPT-12-00019 Rev. 0
ATTACHMENT 9).7					AREA WAL	Page 180 of 198 K-BY CHECKLIST
Sheet 3 of 5			<u> </u>	,		Status	
Area Walk-I	By Checki	ist (AWC) _	AWC- 036			Olalus.	
Location: Blo	lg. <u>CB</u>	Floor El	. <u>272 </u> F	Room, Area ¹	NORTH HALF	OF ROOM	
SWEL Com	ponents:	SWEL1-	071, 072, 081				
advers			no other seismi tions of the equ			YX N U]
Comments (Additional p	ages may be	added as neces	sary)			
	engineeri Four slott are estim	ng judgment. ed screws are ated to have l	control room par e missing from a ow mass and w ction by enginee	ccess panels ill be retained	for cabinet Ci by remaining	RP 9-46; the a screws and wi	ccess panels Il not result in
Evaluated by:	Marcus He	cht-Nielsen		101	18/2012	Date: <u>10-15-1</u>	2
	Raymond '	Tworek	Randfor	<u> 157</u>	18/10	<u>10-15-1</u>	2
				,			

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ATTACHMENT 9.7 AREA WALK-BY CHECKLIST Sheet 4 of 5 Status: Y⊠ N□ U□ Area Walk-By Checklist (AWC)AWC- 036			Attachment D	Engineering Report	No. VY-RPT-12-00019 Rev. 0 Page 181 of 198
Area Walk-By Checklist (AWC) AWC- 036 Status: Y N U Location: Bldg. CB Floor El. 272 Room, Area ¹ NORTH HALF OF ROOM SWEL Components: SWEL1- 071, 072, 081 SWEL1-071, 072, 081	ATTACHMENT 9.7			AREA	NALK-BY CHECKLIST
SWEL Components: <u>SWEL1- 071, 072, 081</u>		st (AWC) <u>AWC</u>	- 036	Sta	tus: YX N U
	Location: Bldg. CB	Floor El. 272	Room, Area ¹ <u>A</u>	NORTH HALF OF ROOM	И
Photographs	SWEL Components:	SWEL1- 071, 072	2, 081		
	Photographs			· · · · · · · · · · · · · · · · · · ·	······
Note: Two slotted screws missing from access panel for cabinet CRP 9-46 – North side of cabinet Note: Two slotted screws missing from access panel for cabinet CRP 9-46 – North side of cabinet					

		Attachmer	nt D	Engineering Report No. VY-RPT-1 Page 18	Rev
ATTACHMENT 9.7		· · · · · · · · · · · · · · · · · · ·		AREA WALK-BY CHE	CKLIST
Sheet 5 of 5 Area Walk-By Checkli	ist (AWC)	AWC- 036		Status: Y🛛 N	U
Location: Bldg. CB	Floor El.	<u>272</u> Roc	om, Area ¹	NORTH HALF OF ROOM	<u> </u>
SWEL Components:	<u>SWEL1- 07</u>	1, 072, 081			
,					
			- -	· · · · · · · · · · · · · · · · · · ·	
					<i>.</i>
No Phot	o Necessary		· · ·	No Photo Necessary	
с. 					
Note:			Note:		
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· .					
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	Attachment D	Engineering Report No. V	Y-RPT-12-0001 Rev.
ATTACHMENT 9.7			Page 183 of 19 By CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)A	WC- 037	Status: Y	
Location: Bldg. <u>CR.</u> Floor El. <u>26</u>		BLE VAULT ROOM	
SWEL Components: SWEL1- 092			
Instructions for Completing Checklist This checklist may be used to document the space below each of the following questions Additional space is provided at the end of th	s may be used to record the	e results of judgments and fi	
 Does anchorage of equipment in the potentially adverse seismic condition opening cabinets)? 		Y⊠ N□ U□ arily	N/A
· .			
2. Does anchorage of equipment in the significant degraded conditions?	e area appear to be free of	YX NI UI	N/A
			7
 Based on a visual inspection from th raceways and HVAC ducting appear seismic conditions (e.g., condition of conditions of cable trays appear to b 	to be free of potentially ad supports is adequate and	verse	N/A 🗌
		•	

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

		Attachment D	Engineering Rep	oort No. VY-RPT-12-0001 Rev. (
ATTACHMENT 9.7	······		AR	Page 184 of 198 EA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checkl	ist (AWC) AW	C- 037		Status: YX N U
Location: Bldg. <u>CR.</u>	Floor El. <u>262</u> '		ABLE VAULT ROO	 M
SWEL Components:	SWEL1- 092			
4. Does it appear that	at the area is free of p	potentially adverse seis nt in the area (e.g., cei		
			_	
	at the area is free of p ould cause flooding c	potentially adverse seis or spray in the area?	mic YX N	
	at the area is free of p ould cause a fire in th	potentially adverse seis ne area?	mic Y 🛛 N	
interactions assoc	lated with housekeep	potentially adverse seis ping practices, storage tallations (e.g., scaffold	of	

		Attachment D	Engineering Re	eport No. VY-RPT-12-00 Re
ATTACHMENT 9.7			A	Page 185 of REA WALK-BY CHECKLIS
Sheet 3 of 5				
Area Walk-By Check	list (AWC)A	WC- 037		Status: Y⊠ N⊟ U[
Location: Bldg. <u>CR.</u>	Fioor El. <u>26</u> 2	<u>2'</u> Room, Area ¹ <u>(</u>	ABLE VAULT RO	ОМ
SWEL Components:	SWEL1- 092			
		her seismic conditions th of the equipment in the a		
Comments (Additional p	ages may be adde	d as necessary)		
<u>oomments (Additional p</u>	ages may be adde			
		•		
Evaluated by: <u>Kirit Pariki</u>	Pai	Ke 10/18/2011	2 Date:	10/15/2012
<u>Randy Ste</u>	phens Ran	oy Stephens 12	0/18/2012	10/15/2012
		v		

		Attachment D	Engineering Report No. VY-RPT-12-0001 Rev.
ATTACHMENT 9.7			Page 186 of 19 AREA WALK-BY CHECKLIST
Sheet 4 of 5			
Area Walk-By Checkli	st (AWC) <u>AW</u>	<u>C- 037</u>	Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CR.</u>	Floor El. <u>262'</u>	Room, Area	CABLE VAULT ROOM
SWEL Components:	SWEL1- 092		
Photographs			
	· · · · · · · · · · · · · · · · · · ·		· ·
No phote	o necessary	Note:	No photo necessary

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	Attachment	D	Engineering I	Report No. VY	Rev
TTACHMENT 9.7	···			AREA WALK-E	Page 187 of 1 BY CHECKLIST
heet 5 of 5 Area Walk-By Checklist (AWC) <u>AV</u>	VC- 037	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Status: Y	N U
ocation: Bldg. <u>CR.</u> Floor El. <u>262</u>	n Roor	n, Area ¹ <u>C/</u>	ABLE VAULT R	ООМ	
SWEL Components: <u>SWEL1- 092</u>			·····	·	
<u></u>					
		,			
	· .		•		
No photo necessary			No photo i	necessary	
Note:		Note:			
· · · ·					

ATTACHMENT 9.7		A	REA WALK-BY	CHECKLIS
Sheet 1 of 5				
Area Walk-By Checklist (AWC)	AWC- 038		Status: Y🛛	
Location: Bldg. CB Floor El.		SOUTH HALF OF F		Intr A
SWEL Components: *SWEL1	, 070, 082, 083, 093 A	HISWEL 2-	NO VICT	<u></u>
Instructions for Completing Checklist	· · · · · · · · · · · · · · · · · ·		N	10/25/
This checklist may be used to document is space below each of the following question Additional space is provided at the end of	ons may be used to record	the results of judgm	nents and findin	
 Does anchorage of equipment in t potentially adverse seismic condit opening cabinets)? 	ions (if visible without nece	ssarily		
All anchorage which was visible a potentially adverse seismic condit	nd/or accessible was free c ions.	of	·	
Does anchorage of equipment in t significant degraded conditions?	he area appear to be free o	of Y⊠		
	· ·			
		· · ·		
2 Decod on a viewal increation from	the fleer de the echie/ech			_
 Based on a visual inspection from raceways and HVAC ducting appe seismic conditions (e.g., condition conditions of cable trays appear to 	ear to be free of potentially of supports is adequate an	adverse d fill	N U U N/A	J
	•			
* CHANGED SWEL 1-0	olo to swee 2	2-010 J	AAT de	ק אין
		M	m	10-0
·		\mathcal{T}		
		·		
' If the room in which the SWEL item is located	d is very large (e.g., Turbine H	all), the area selected	should be descri	hed

	Attachment D	Engineering Report No. VY-RPT-12-000 Rev Page 189 of 1
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)	AWC- 038	Status: YX N U
Location: Bldg. <u>CB</u> Floor El.	<u>272</u> Room, Area ¹ <u>SOI</u>	UTH HALF OF ROOM
SWEL Components: SWEL1-0	6, 070, 082, 083, 093 ANA	SUGL 2-DIO JAM 10/11/12
 Does it appear that the area is free spatial interactions with other equ 	e of potentially adverse seismi	
and lighting)? <i>See comment #2</i>		· .
	-	
5. Does it appear that the area is free interactions that could cause floo		ic Y⊠ N□ U□ N/A□
Does it appear that the area is free interactions that could cause a fir		
· · · · · · · · · · · · · · · · · · ·		
 Does it appear that the area is free interactions associated with hous portable equipment, and tempora shielding)? 	ekeeping practices, storage of	

		•	Attachment D	Engineering Report No. VY-RPT-12-000
				Rev Page 190 of 1
TTACHMENT 9.7		ti a	-	AREA WALK-BY CHECKLIST
Sheet 3 of 5		And the second sec		
Area Walk-By	Checklist	(AWC)	AWC- 038	Status: Y⊠ N□ U□
Location: Bldg.	СВ	_ Floor El.	272 Room, Area	SOUTH HALF OF ROOM
SWEL Compo	nents:	SWEL1-	, 070, 082, 083, 093	Arto SWEL 2-010 JAA 10/26/11-
			other seismic conditions	
	affect the s		other seismic condition ns of the equipment in th	
adversely See com	v affect the s ment #1	safety function		
adversely See com <u>Comments (</u> Ado 1 - Two 4 down of eac using the sw	Affect the s ment #1 litional page -drawer filir and are loc. ch cabinet is engineering vitch control	es may be add ng cabinets lo ated roughly 500 lbs, and judgment, it panel during	ded as necessary) cated in the southeast c 1 inch from a temperatur the lateral seismic force is unlikely that the filing a seismic event.	

Evaluated by: Marcus Hecht-Nielsen

Raymond Tworek fan & 10/18/12 10-15-12

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 191 of 19
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 5 Area Walk-By Checklist (AWC) <u>AV</u>	VC- 038	Status: Y⊠ N⊡ U⊡ ·
Location: Bldg. CB Floor El. 272		SOUTH HALF OF ROOM
SWEL Components: SWEL1- 540, 0	70, 082, 083, 093 A	921) SWEL 2-010 VAN 10/4/11
Photographs		N 10/25/12
Note: Filing cabinets in SE corner.	Note: control	For the second secon

	Attachment D	Engineering Report No. VY-RPT-12-0001 Rev. Page 192 of 19
ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AW	C) <u>AWC- 038</u>	Status: Y⊠ N□ U□
Location: Bldg. CB Flo	oor El. <u>272</u> Room, Area ¹	SOUTH HALF OF ROOM
SWEL Components: SWE	L1- 010, 070, 082, 083, 093 /	AND SWEL 2 -010 JOAN 15/21/102
		N 10/25/12
79		

Note: Storage cabinets in SW area of room

EN-DC-168 REV 0

Note: View inside of one of the two anchors

located inside each storage cabinet.

Attachment D	Engineering Re		RPT-12-00019 Rev. 0 age 193 of 198
	A		
WC-039		Status: YX	
Boom, Area ¹	FPC Heat Exchang	er Room	
008, -009	······		
may be used to record	d the results of judgn	nents and find	
			A
area appear to be free visually inspected.	e of Y⊠	N_ U_ N/.	A
,			
to be free of potentially supports is adequate a e inside acceptable lim cting in the area was v	y adverse and fill its)? isually		A 🗌
· , .			x
	<u>NC-039</u> <u>Room, Area¹</u> <u>D08, -009</u> results of the Area Water and be used to record is checklist for docume area appear to be free s (if visible without necklist for docume area appear to be free is ually inspected. area appear to be free isually inspected. area appear to be free of potentially supports is adequate a be free of any adverse inside acceptable limits of the area was visually inspected.	MC-039 B Room, Area ¹ <u>FPC Heat Exchange</u> D08, -009 results of the Area Walk-By near one or meany be used to record the results of judgm is checklist for documenting other commen area appear to be free of s (if visible without necessarily In the area was visually inspected an potentially adverse seismic area appear to be free of s (if visible without necessarily In the area was visually inspected an potentially adverse seismic area appear to be free of supports is adequate and fill a inside acceptable limits)? cting in the area was visually be free of any adverse seismic	AREA WALK-B AREA WALK-B Status: Y⊠ NC-039 B Room, Area ¹ EPC Heat Exchanger Room D08, -009 results of the Area Walk-By near one or more SWEL ite is checklist for documenting other comments. area appear to be free of s (if visible without necessarily n the area was visually inspected an potentially adverse seismic area appear to be free of y N ∪ ∪ N/ isually inspected. Y⊠ N ∪ ∪ N/ isually inspected. a floor, do the cable/conduit to be free of potentially adverse supports is adequate and fill a inside acceptable limits)? cting in the area was visually be free of any adverse seismic

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

TTACH	MENT 9.7					<u>.</u>				AR	A WALK-B	Y CHECK	LIST
heet 2	of 6				· · · .		•				<u></u>		
Area	Walk-By	Checkl	ist (AW	/C)	AWC	-039			_	(Status: Y⊵		
Locatio	on: Bldg.	<u>RB</u>	FI	oor El.	<u>303</u>	Ro	oom, Are	ea ¹ <u>FPC I</u>	leat Ex	changer	Room		
SWEL	. Compo	onents:	SWE	L2-00	07, -008	, -009			_				-
4.	and light	iteraction ing)?	s with ol	ther ec	uipment	t in the a		e seismic ., ceiling t	iles	YX N		/A	
	•	The area	was visi	ually in	spected								
			,										
5.	Does it a	ppear that c								YX N		/A	
		The area			-								
6.	Does it a interactic						adverse	seismic		Y 🛛 N		/A🔲	
6.	interactic		ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🛛 N[] U[] N	/A	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N[) U[] N	/A	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(<u>л п</u> и	/A	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N[<u>л п</u> и	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse) seismic		Y 🖾 N[л U Ц N.	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N[_ ∪_ N.	/A 🗍	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N[_ U_ N	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N[] U[] N	/A 🗍	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(] U[] N	/A 🗍	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N() U[] N	/A 🗍	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic	•	Y 🖾 N(] U[] N	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(] U[] N	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(] U[] N	/A 🗌	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(/A 🗍	
6.	interactic	ons that c	ould cau	use a f	ire in the	area?	adverse	e seismic		Y 🖾 N(/A 🗌	

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· <u> </u>							Rev. Page 195 of 19
ATTACHMENT 9	.7					AREA WAL	K-BY CHECKLIST
Sheet 3 of 6 Area Walk-f	3v Checkli	st (AWC)	AWC-039			Status:	Y⊠ N□ U□
Location: Bld		Floor El.		Room, Area ¹ <u>F</u>	PC Heat Ex	changer Room	
SWEL Com			7, -008, -00				
interac portab shieldi	tions associ le equipmer ng)?	ated with hous t, and tempora	sekeeping pra ary installation	ally adverse seis actices, storage ns (e.g., scaffold	of ding, lead		N/A
sufficie		proximity to ca		ONE of the item ally adverse sei			
•	box is not related eq still in plac Scaffold L the norma and the sc affect durit There are None are l cause a se There is a miscellane significant	safety related upment. In ad e to secure the T-063 was with Fuel Pool heat affold did not a ng or after a set 4 unsecured/in ocated close a sismic concern bucket, a carco ous items sca	and it is not le dition 11 well e relatively sr hin ½" of vent at exchanger. appear that it eismic event. mproperly sto enough to saf board style b ttered about to proximity to sa	12 cover screw ocated near any secured fasten nall mass of the t valve FPC V19 This is not safe would have any red ladders in th ety related equi pox, trash, and o the room. None afety related equi oncern.	v safety ers are cover. -44A on ety related v adverse ne room. pment to ther are of		

TACHMENT 9.7		:		AR	EA WALK-BY	<u>196 of 198</u> CHECKLIST
eet 4 of 6						
rea Walk-By (Checklist (AWC)	AWC-039			Status: Y🛛	
ocation: Bldg.	RB Floor	El. <u>303</u>	Room, Area ¹ FPC Heat E.	xchanger	Room	
WEL Compon	ents: <u>SWEL2</u>	-007, -008, -009	9			
adversely Lin sp as lin lin	affect the safety fur nes 3" FPC-26A, 3" ere specifically insp pent fuel pool. There ssociated with these les is overhead ligh	The equivalence of the equivalen	aic conditions that could upment in the area? PC-5A, and 6" FPC-6A ir direct connection to the c or interaction concerns equipment above the o the robust nature of the lighting poses no seismic	Y⊠ N		
omments (Addi	tional pages may b	e added as nece	ssarv)			
	·····				· ,	
valuated by Mil	o Bose With a	13		Data	10/00/0010	
	ve Grimes	F.J.m.			10/22/2012	
		F.Jouri				······································
		F.J.m.				
		F.J.m.				
		F.J.				
		F.J.				¥
		F.J.				
		F.J.				¥
		F.J.m.				¥
		Ferrer				¥
		Ele-				
		Em				
		Em				
valuated by: <u>Mik</u> <u>Dav</u>		Em			10/22/2012	
		Em				

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	Attachment D	Engineering Report No. \	Y-RPT-12-0001/ Rev. Page 197 of 19
ATTACHMENT 9.7		AREA WALK	-BY CHECKLIST
Sheet 5 of 6 Area Walk-By Checklist (AWC) _	AWC-039	Status:	YX ND UD
Location: Bldg. <u>RB</u> Floor E	I. <u>303</u> Room, Area ¹ <u>F</u>	PC Heat Exchanger Room	
SWEL Components: SWEL2-0	007, -008, -009		
<image/>	Note:		ПЛ 1672212

 Attachment D
 Engineering Report No. VY-RPT-12-00019 Rev. 0 Page 198 of 198

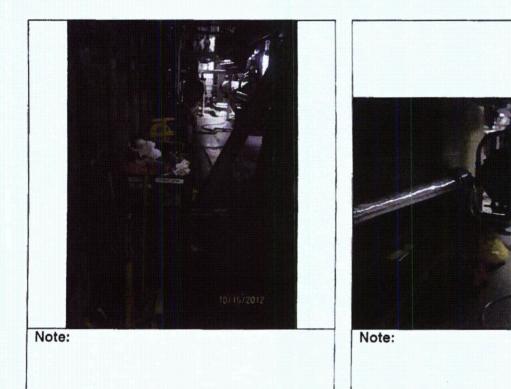
 ATTACHMENT 9.7
 AREA WALK-BY CHECKLIST

 Sheet 6 of 6
 Status: Y N I
 UI

 Area Walk-By Checklist (AWC)
 AWC-039

 Location: Bldg.
 RB
 Floor El.
 303
 Room, Area¹
 FPC Heat Exchanger Room

 SWEL Components:
 SWEL2-007, -008, -009
 SWEL2-007, -008, -009



Potentially Adverse Seismic Conditions

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						Attachment E					Engineering Report	No. VTY-RPT-12-0001 Rev. Page 2 of 2
Entergy	NUCLEAR									NON-QUALITY RELATED	EN-DC-168	REV. 0
Lineigy	MANAGEMENT MANUAL									REFERENCE USE	PAGE 6	9 OF 79
		 Fukush	nima Near	-Term Tasl	k Force Re	commendati	on 2.3 Se	eismic Walk-	down Procedure)		

ATTACHMENT 9.8												Po	TENTIAL	LY ADVE	RSE SE	ISMIC CO	NDITION	S FORM	AND INST	RUCTIONS
Sheet 1 of 3											-									

LB #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION CONCLUSION	RESOLUTION	STATUS
N/A	N/A	N/A	N/A	N/A	N/A
Prepared	by:			Date:	

Reviewed by:

Peer Review Team Member

Date: _____

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Attachment F

Licensing Basis Evaluation Forms

There were no Licensing Basis Evaluations required. All unusual conditions were entered into the CAP system immediately and dispositioned for operability, with no operability issues identified.

Peer Review Checklist for SWEL

ATTACHMENT 9.10

PEER REVIEW CHECKLIST FOR SWEL FORM

Sheet 1 of 3

Peer Review Checklist for SWEL

Instructions for Completing Checklist

This peer review checklist may be used to document the review of the Seismic Walkdown Equipment List (SWEL) in accordance with EPRI 1025286, Section 6: Peer Review. The space below each question in this checklist should be used to describe any findings identified during the peer review process and how the SWEL may have changed to address those findings. Additional space is provided at the end of this checklist for documenting other comments.

1.	Were the five safety functions adequately represented in the SWEL 1 selection?	YX N					
	The SWEL1 contains 102 components and addresses all five safety functions from a population of about 750. Many components provide safety functions for multiple systems, and/or are part of frontline support systems. The five safety functions discussed in EPRI Report 1025286 are well represented in the SWEL. Reactivity control, reactor pressure boundary, RC inventory control, DH removal and containment integrity were considered in the selection process.						
2.	Does SWEL 1 include an appropriate representation of items having the following sample se attributes:	election					
	a. Various types of systems?	Y⊠N⊟					
	Items included on the SWEL comprise a variety of systems such as Emergency Diesel Generators and Auxiliaries, Service Water System, Component Cooling Water System, Pressure Control, Residual Heat Removal System, Vital A/C and D/C systems.						
	b. Major new and replacement equipment?						
	Equipment with anchorage modifications as a result of USI A-46/IEEE is included. SWEL1-101 and SWEL1-102 are replacement and new equipment, respectively.	Y⊠N⊟					
	c. Various types of equipment?	Y⊠ N□					

SWEL 1 includes at least one example of each of the 21 classes of equipment, except class 11 (chillers). All classes of equipment except for the one identified class are well represented. In general, the number of components in each class is proportional to the number of safety-related components of that class in the plant as a whole, except that the number of in-line valves was reduced to allow for the inclusion of equipment that is anchored because anchored equipment is potentially more vulnerable to seismic loads.

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ATTACHMENT 9.10	PEER REVIEW CHECKLIST FOR SWEL FORM
Sheet 2 of 3	
Peer Review Checklist for SWEL	
d. Various environments?	YX N
Components are located in different buildings, rooms, elevations as well as different enviornments (Inside, o humidity). The SWEL also includes components loca containment and steam tunnel.	outside, temperature,
 Equipment enhanced based on the findings of the IPE The SWEL includes components that were identified potentially vulnerable to a seismic event. 	
f. Were risk insights considered in the development of S Vermont Yankee does not have a seismic PRA. Indus used to aid in selection. Additionally, Section 6.2 and describe the risk ranking assessment method applied significant components.	try models of PRAs were Attachment I of the report
3. For SWEL 2:	
 a. Were spent fuel pool related items considered, and if SWEL 2? SWEL 2 includes 11 components for maintaining cool Seismic Category (components.) 	
 b. Was an appropriate justification documented for spent included in SWEL 2? Based on reviewer knowledge, it appears that this crit components that could contribute to rapid SFP drainds on review of the information presented in Sections 6.3 	erion is met. There were no own that were identified based

ATTACHMENT 9.10	PEER REVIEW CHECKLIST FOR SWEL FORM
Sheet 3 of 3	

Peer Review Checklist for SWEL

4. Provide any other comments (Attachment 9.11) related to the peer review of the SWELs.

Based on my review, the list selected is adequate, complete and in compliance with EPRI guidance. Plant personnel review was at all level was thorough and multidiscipline.

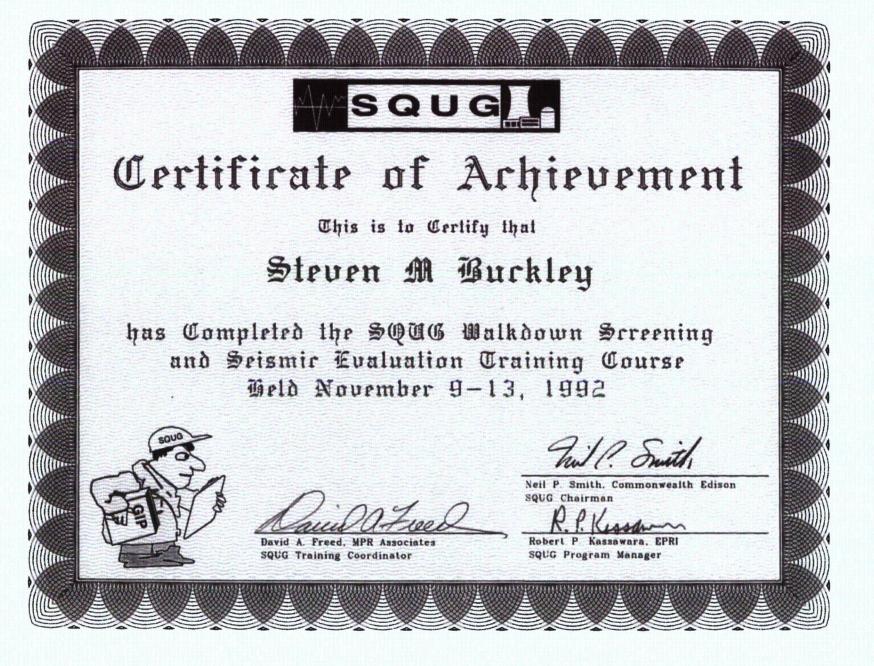
The peer reviewer ensured that the SWELs met the requirements of EPRI Report 1025286.

During implementation of selsmic walkdown of SWEL1-065 (FCV-104-17D Travelling Screen Control Valve) it was determined that the valve was inaccessible for inspection it was replaced with LCV-108-3 which is located in the Fuel Oil Pump House and is simmilar in class (GIP 07) and is located in a simmilar humid environment as FCV-104-17D.

No other SWEL1 & SWEL2 Items have been changed since the original SWEL was approved prior to the Seismic Walkdowns.

5. Have all peer review comments been adequately add	essed in the final SWEL? Y N
Peer Reviewer #1: JULIEN ABRAMOVICI(ENERCON)	Ulu A Cer_Date: 11-16-2012
Peer Reviewer #2: LAURA MACLAY(ENERCON)	Jaura Maday Date: <u>11-16-2012</u>

Peer Review Checklist for SWEL



NTTF 2.3 Seismic Walkdowns

Certificate of Achievement

This is to certify that

Marcus Hecht-Nielsen

Has completed the NTTF 2.3 Seismic Walkdown Training

Course completed September 16, 2012



Andrew Maham, P.E. CJC Associates NTTF 2.3 Training Instructor

NTTF 2.3 Seismic Walkdowns

Certificate of Achievement

This is to certify that Randall Stephens

Has completed the NTTF 2.3 Seismic Walkdown Training Course held July 26, 2012



MWEW

Mark W. Eli, SCE, PE ARES NTTF 2.3 Training Coordinator

Engineering Report No. VTY-RPT-12-00019 Rev. 0 Page 5 of 11

NTTF 2.3 Seismic Walkdowns

Attachment H

Certificate of Achievement

This is to certify that Raymond Tworek

Has completed the NTTF 2.3 Seismic Walkdown Training Course held August 31, 2012



MWEW

Mark W. Eli, SCE, PE ARES NTTF 2.3 Training Coordinator

Engineering Report No. VTY-RPT-12-00019 Rev. 0 Page 6 of 11

Attachment H

ENERCON Excellence—Every project. Every day.

Certificate of Completion

is hereby granted to

Kirit Parikh

for successful completion of

TRAINING ON NEAR TERM TASK FORCE RECOMMENDATION 2.3 PLANT SEISMIC WALKDOWNS

Awarded: 9/28/2012 in Naperville, IL

Kevin Bessell

Certified Seismic Walkdown Engineer Palo Alto, CA – 6/13/2012

Alex Smerch Certified Seismic Walkdown Engineer Palo Alto, CA – 6/13/2012

ELECTRIC POWER RESEARCH INSTITUTE Epgi

Certificate of Completion

Christopher Rose

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

July 27, 2012 Date

R P. Kassan

Robert K. Kassawara EPRI Manager, Structural Reliability & Integrity

ELECTRIC POWER RESEARCH INSTITUTE Certificate of Completion **Dave Grimes Training on Near Term Task Force Recommendation 2.3** - Plant Seismic Walkdowns R.P. Kassawan July 27, 2012 Date Rohert K Kaccawar EPRI Manager. Structural Reliability & Integrity

Engineering Report No. VTY-RPT-12-00019 Rev. 0 Page 9 of 11

Attachment H



Certificate of Completion

is hereby granted to

Julian Abramovici

for successful completion of

TRAINING ON NEAR TERM TASK FORCE RECOMMENDATION 2.3 PLANT SEISMIC WALKDOWNS

Awarded: 9/13/2012 in Mt. Arlington, NJ

Kevin Bessell Certified Seismic Walkdown Engineer Palo Alto, CA – 6/13/2012

alla

Alex Smerch Certified Seismic Walkdown Engineer Palo Alto, CA – 6/13/2012

Engineering Report No. VTY-RPT-12-00019 Rev. 0 Page 10 of 11

Attachment H



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Certificate of Completion

is hereby granted to

Juan Vizcaya

for successful completion of

TRAINING ON NEAR TERM TASK FORCE RECOMMENDATION 2.3 PLANT SEISMIC WALKDOWNS

Awarded: 7/26/2012 in Mt. Arlington, NJ

Kenneth Whitmore Certified Seismic Walkdown Engineer Alexandria, VA – 6/20/2012

Engineering Report No. VTY-RPT-12-00019 Rev. 0 Page 11 of 11

Attachment H



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is hereby granted to

Jeff Horton

for successful completion of

TRAINING ON NEAR TERM TASK FORCE RECOMMENDATION 2.3 PLANT SEISMIC WALKDOWNS

Awarded: 7/26/2012 in Mt. Arlington, NJ

Kenneth Whitmore Certified Seismic Walkdown Engineer Alexandria, VA – 6/20/2012

J

Attachment I

Peer Review Checklist for SWEL

		Attachment I	Engineering Report No. V	TY-RPT-12-000 Rev. Page 2 of
Entergy	NUCLEAR	NON-QUALITY RELATED	EN-DC-168	REV. 0
Lineigy	MANAGEMENT MANUAL	REFERENCE USE	PAGE 79 0	OF 79
		sk Force Recommendation 2.3 Seis		

ATTACHMENT 9.11

PEER REVIEW COMMENT FORM

Sheet 1 of 1

	Entergy				own Submittal Report s and Resolutions Form	
Engineering Report Number VTY-RPT-12-00019		12-00019	Rev. 0	Title Vermont Yank Fukushima Ne	ee Seismic Walkdown Submittal Re ear-Term Task Force Recommendat	port for Resolution of ion 2.3: Seismic
Quality Rel	ated: 🗌 Yes 🛛	🛾 No	Special Notes or Instructions:			
Comment Number	Section/ Page No	. Review Comment			Response/Resolution	Reviewer's Accept Initials
		by Checklists (AWC) satisfactorily and acc	comments provic epted by VYNPS	led were resolver	3	
Reviewed B	y:			Date	Resolved By:	
Site/Department: Ph.				Date:		

Attachment J

Peer Review Checklist for SWEL

ATTACHMENT J

SWEL 1 Risk Ranking Process

EPRI-TR-1025286 provides guidance for developing the Seismic Walkdown Equipment List (SWEL) and performing the seismic walkdown. Section 3 of EPRI-TR-1025286 identifies that the SWEL should include consideration of the importance of the contribution to risk for the Structures, Systems, and Components (SSCs).

It should be noted that use of risk ranking is only applied in the selection of SSCs included in SWEL-1 group. The SWEL-1 group of SSCs are those associated with maintaining the following five safety functions:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal
- Containment function

Vermont Yankee does not have a Seismic PRA (SPRA). However, based on insights from previous industry SPRA models, the Level 1 site LOOP event sequences would identify the equipment that are also generally risk important during seismic events (e.g., EDGs, DC equipment, and other AC-independent equipment such HPCI).

Therefore, the risk importance from the VY Level 1 full-power internal events PRA, with a minor modification, was used as input for the SWEL. The minor modification is that only the site LOOP event sequences were used as input for the risk importance measures. No other PRA model changes were judged required.

Super components modeled in the PRA generally include all components modeled on the skid (e.g., EDG, control panel, air start system, etc.). Individual components within the defined PRA component boundary do not need to be identified as separate components for the importance list. However, support system components that are modeled as separate basic events (e.g., EDG Fuel Oil Transfer Pump, ventilation, cooling water, etc.) can be identified as separate components for the importance list.

Seismic events may simultaneously damage multiple structures, redundant systems, and components within the plant. Therefore, the risk importance of common cause failure (CCF) events modeled in the PRA were also reviewed and used in the selection process. CCF events represent failure of two or more components (e.g., reactor water level transmitters) during a short period of time as a result of a single shared cause.

<u>SSC Importance Measures</u>

Determining at-power risk importance required the use of a plant PSA model to calculate SSC relative importance to a pre-defined consequence measure – in this case core damage frequency (CDF). Risk ranking was done using two measures of risk importance:

- Risk Achievement Worth (RAW)
- Fussell-Vesely Importance (F-V)

Calculation of Risk Achievement Worth (RAW)

Risk Achievement Worth (RAW) measures the increase in core damage frequency when the component's failure probability is set to 1. That is, a new CDF is calculated with the SSC of interest guaranteed to fail. The equation for RAW is

$$RAW = \frac{CDF_1}{CDF_{base}}$$

where:

 CDF_1 = core damage frequency when the component(s) failure probability is set to 1

 CDF_{base} = base core damage frequency

Calculation of Fussell-Vesely Importance (F-V)

Fussell-Vesely Importance (F-V) measures the decrease in core damage frequency when the component's failure probability is set to 0. That is, a new CDF is calculated with the SSC of interest perfectly reliable or guaranteed to succeed. The equation for F-V is

$$F - V = \frac{\left(CDF_{base} - CDF_{0}\right)}{CDF_{base}}$$

where:

 CDF_0 = core damage frequency when the component(s) failure probability is set to 0

 CDF_{base} = base core damage frequency

SSC Risk Significance

After calculation of the importance measures, the risk significance of SSCs were determined using the following criteria:

Description	Ranking Criteria		
high risk significance	$F-V \ge 0.01$ -or- $RAW \ge 2$		