APPENDIX B: SEISMIC WALK-DOWN CHECKLISTS (SWCs)

U

N

(Y)

Status:



Seismic Walkdowi	n Checklist (SWC	C)					
Equipment ID No.	<u>0G41A00</u> 02A	Equip. Class	21. Tanks and Heat Exchang	ers			
Equipment Descrip	tion <u>FPCC</u>	Surge Tank					
Location: Bldg.	IB	Floor El.	599				
Manufacturer, Mod	lel, Etc.						
SWEL. The space l	be used to docume below each of the	ent the results of following questi	f the Seismic Walkdown of an ons may be used to record the his checklist for documenting o	results of judgm			
Anchorage				Y	N		
of the 50% of SV	WEL items requiri	ng such verifica	d (i.e., is the item one tion)? on 620. Top bracing provided	by	X		
2. Is the anchorage	free of bent, brok	en, missing or lo	oose hardware?	Y	N	U	N/A X
3. Is the anchorage	free of corrosion	that is more than	n mild surface	Y	N	U	N/A X
oxidation? Surrounding area	found in adequate	condition.		`			
4. Is the anchorage	free of visible cra	cks in the concr	ete near the anchors?	Y	N	U	N/A X
Is the unenerage				Y	N	U	N/A
	configuration corstion only applies orage configuration	if the item is one	e of the 50% for				X
6. Based on the ab	ove anchorage eva		anchorage free of	Y	N	U]



		Status:	\bigcirc	N	U
Seismic Walkdov	vn Checklist (SWC)				
Equipment ID No.	. <u>0G41A00</u> 02A Equip. Class 21. Tanks and Heat Exchan	gers			
Equipment Descri	ption FPCC Surge Tank				•
Interaction Effec	ts				27/4
7. Are soft targets	free from impact by nearby equipment or structures?	Y	N	U	N/A
		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	X			
·				**	N1/4
9 Do attached lin	es have adequate flexibility to avoid damage?	Y	N	U	N/A
	s rigidly supported and attached conduits were found with adequ				
		Y	N	U	_
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	X			
Other Adverse C	Conditions ked for and found no other seismic conditions that could	Y	N	- U	
	ct the safety functions of the equipment?	X]
Comments (Addi	itional pages may be added as necessary)			_	
	addie Mhrafi				
Evaluated by:	Eddie M. Guerra Date	e: <u>8/26/2</u>	2012	_	
	Enfell				
	Brian A. Lucarelli Date	e: <u>8/26/2</u>	2012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A

Equip. Class 21. Tanks and Heat Exchangers

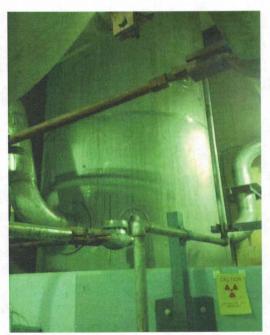
Equipment Description

FPCC Surge Tank

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-22.jpeg Description: Component Plate ID



File Name: 2-62-1-4-22.jpeg



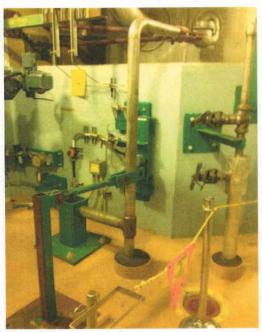
Status:

N
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41A0002A Equip. Class 21. Tanks and Heat Exchangers

Equipment Description FPCC Surge Tank



File Name: 2-63-1-4-22.jpeg

Description: View of attached lines to component



File Name: 2-64-1-4-22.jpeg

Description: View of component anchorage detail



	Status:	\odot	N	U
Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>0G41C000</u> 3A Equip. Class 5. Horizontal Pump	s			
Equipment Description FPCC Pump A				
Location: Bldg. IB Floor El. 574				
Manufacturer, Model, Etc.	_			
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgme			
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)? Anchored with 10 - 7/8" diam anchor bolts on ~6" concrete pad.				
	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
	Y	N_	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			
				27/1
5. Is the anchorage configuration consistent with plant documentation?	Y	N	U	N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration confirmed by Drawing 18_0019-00000_004.				
	Y	N	U	-
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			J



Seismic Walkdov	n Checklist (SWC)	Sta	tus:	(Y)	N	U
Equipment ID No.	0G41C0003A Equip. Class 5. Horizontal Pumps					
Equipment Descri	ption FPCC Pump A					
Interaction Effec	ts	V		N	ΙΙ	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X		N	U	IVA
		Y		N	U	N/A_
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?					
O. Do attached lin	on have adequate floribility to evoid demage?	Y	<u> </u>	N	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with adeq					
	above seismic interaction evaluations, is equipment free	Y X		N	U	
of potentially a	dverse seismic interaction effects?					
Other Adverse C		V		N	- U	
-	ted for and found no other seismic conditions that could the safety functions of the equipment?	Y X]
Comments (Addi	tional pages may be added as necessary)				-	
	-detro Michael V					
Evaluated by:	Eddie M. Guerra Da	ate:	3/26/2	012	_	
	Enfli					
	Brian A. Lucarelli Da	ate:	3/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A

Equip. Class 5. Horizontal Pumps

Equipment Description

FPCC Pump A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-21.jpeg

Description: General view of component



File Name: 2-62-2-4-21.jpeg Description: View of attached lines



Y

N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003A Equip. Class 5. Horizontal Pumps

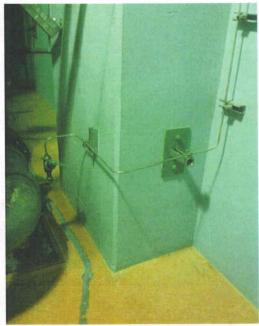
Equipment Description

FPCC Pump A



File Name: 2-63-2-4-21.jpeg

Description: View of component anchorage configuration



File Name: 2-64-2-4-21.jpeg

Description: View of small tube line supports



			Status:	\bigcirc	N	U
Seismic Walkdown Check	dist (SWC)					
Equipment ID No. 0G410	C0003B Equip. (Class 5. Horizontal Pumps				
Equipment Description	FPCC Pump B					
Location: Bldg. IB	Floor El	l. <u>574</u>				
Manufacturer, Model, Etc.						
SWEL. The space below ea	to document the resu ach of the following of	ults of the Seismic Walkdown questions may be used to reco d of this checklist for docume	rd the results of judgm			
Anchorage			Y	N		
1. Is the anchorage configured of the 50% of SWEL item	ms requiring such ve	rification)?	X	11]	
Anchored with 10 - 7/8" die	am anchor bolts on ~	-6" concrete pad.				
2. Is the anchorage free of	hent hroken missing	or loose hardware?	Y	N	U_	N/A
2. Is the alleholage free of	oem, broken, missing	s of 100se naturale.	المستثناء		<u> </u>	
			Y	N	U	N/A
3. Is the anchorage free of oxidation?	corrosion that is mor	e than mild surface	X			
						
			Y	N	U	N/A
4. Is the anchorage free of	visible cracks in the	concrete near the anchors?	X		<u> </u>	
			• •	N	* 1	NT/A
5. Is the anchorage configu	ration consistent wit	h plant documentation?	Y	N	U	N/A
(Note: This question onl which an anchorage co Anchorage configuration of	y applies if the item nfiguration verificati	is one of the 50% for on is required.)				
			Y	N	U	_
6. Based on the above anch potentially adverse seis	-	s the anchorage free of	X]



			Status:	\bigcirc	N	U
Seismic Walkdov	wn Checklist (SWC)					
Equipment ID No	b. <u>0G41C00</u> 03B Equip. Class 5. Horizontal Pumps					
Equipment Descri	iption FPCC Pump B					
Interaction Effec	ets		V	NI	II	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?	[X	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting,	[Y X	N_	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?					
0 D	and a second of the second decreases	ſ	Y	N	U	N/A
	nes have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with adea	l <i>quate</i>				
		,	Y	N	U	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	[X			
Other Adverse (Conditions				-	
11. Have you loo	ked for and found no other seismic conditions that could ct the safety functions of the equipment?	[Y X	N	U	
Comments (Add	itional pages may be added as necessary)				-	
	Total Christ					
Evaluated by:	Eddie M. Guerra D.	ate:	8/26/2	012	-	
	Enfell					
	Brian A. Lucarelli D	ate:	8/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

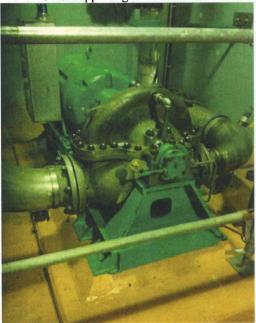
Equipment ID No. 0G41C0003B

Equip. Class 5. Horizontal Pumps

Equipment Description

FPCC Pump B

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-21.jpeg

Description: General view of component



File Name: 2-62-1-4-21.jpeg Description: View of attached lines



Y

N

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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41C0003B

Equip. Class 5. Horizontal Pumps

Equipment Description

FPCC Pump B



File Name: 2-63-1-4-21.jpeg

Description: View of component anchorage configuration



Caiamia Walladanna Chaoblist	(CWC)		Status:	\bigcirc	N	U
Seismic Walkdown Checklist	(SWC)					
Equipment ID No. 0G41F054	2A Equip. Class	0D. Other-Check Valve or	Manual Valve			
Equipment Description	Fuel Pool Circ Pump	Suction Valve				
Location: Bldg. IB	Floor El.	574				
Manufacturer, Model, Etc.						
Instructions for Completing C This checklist may be used to d SWEL. The space below each c findings. Additional space is pr	ocument the results o of the following quest	ions may be used to record the	e results of judgm			
Anchorage			Y	N		
1. Is the anchorage configuration				X		
of the 50% of SWEL items re Small manual valve on ~14" did						
			Y	N	U	N/A
2. Is the anchorage free of bent	, broken, missing or le	oose hardware?				X
			Y	N	U	N/A
3. Is the anchorage free of corre oxidation?	osion that is more tha	n mild surface				X
Oxidation?						
			Y	N	U	N/A
4. Is the anchorage free of visit	ole cracks in the conci	rete near the anchors?				X
5. Is the anchorage configuration	on consistent with pla	nt documentation?	Y	N	U	N/A X
(Note: This question only ap which an anchorage config	plies if the item is on	e of the 50% for	L.,		<u> </u>	I
			Y	N	U	_
6. Based on the above anchorage	•	anchorage free of	X]



			Status:	\bigcirc	N	U
Seismic Walkdow	vn Checklist (SWC)					
Equipment ID No.	0G41F0542A Equip. Class 0D. Other-Check Valve	or Manu	ual Valve			
Equipment Descri	ption Fuel Pool Circ Pump Suction Valve				_	
Interaction Effec	ts		Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		Y	N	U	N/A
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with ad	lequate	X			
			Y	N	U	ì
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X			
Other Adverse C		-	37	NI	-	
-	sed for and found no other seismic conditions that could be the safety functions of the equipment?		Y	N	U	
Comments (Addi	tional pages may be added as necessary)				_	
	- detro Ministr					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	_	
	Entill					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

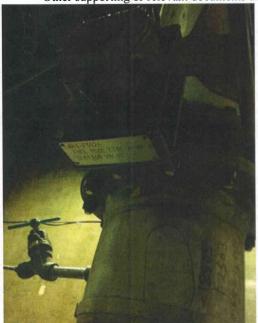
Equipment ID No. 0G41F0542A

Equip. Class OD. Other-Check Valve or Manual Valve

Equipment Description

Fuel Pool Circ Pump Suction Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-1-21.jpeg Description: Component Plate ID



File Name: 2-62-6-1-21.jpeg

N

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Status:



Seismic Walkdown Che	cklist (SWC	()					
Equipment ID No. 0G4	11F0542B	Equip. Class	0D. Other-Check Valve of	or Manual Valve			
Equipment Description	Fuel I	Pool Circ Pump	B Suction Valve				
Location: Bldg. <u>IB</u>		Floor El.	574				
Manufacturer, Model, Et	c						
SWEL. The space below	ed to docume each of the	ent the results o following quest	of the Seismic Walkdown of ions may be used to record his checklist for documenting	the results of jud	gments and		
Anchorage				Y	N		
1. Is the anchorage confi of the 50% of SWEL i Small manual valve on ~	tems requirir	ng such verifica			X		
	C1 . 1 1	,		<u>Y</u>	N	U	N/A X
2. Is the anchorage free of	of bent, broke	en, missing or ic	, missing or loose hardware?				A
3. Is the anchorage free oxidation?	of corrosion t	hat is more than	n mild surface	Y	N_	U	N/A X
4. Is the anchorage free of	of visible cra	cks in the conc	rete near the anchors?	Y	N	U	N/A X
				Y	N	U	N/A
5. Is the anchorage confi (Note: This question of which an anchorage	only applies i	f the item is one	e of the 50% for				X
6. Based on the above an potentially adverse se			anchorage free of	Y X	N	U]



Seismic Walkdov	vn Checklist (SWC)	Status:	W	N	U
Equipment ID No	0G41F0542B Equip. Class 0D. Other-Check Valve or Man	nual Valve			
Equipment Descri	ption Fuel Pool Circ Pump B Suction Valve				
Interaction Effec	ts	V	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X	N		IV/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y	N_	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with adequate	Y	N	U	N/A
10. Based on the a	above seismic interaction evaluations, is equipment free deverse seismic interaction effects?	Y	N	U]
•	Conditions ked for and found no other seismic conditions that could to the safety functions of the equipment?	Y X	N	- <u>U</u>]
Comments (Addi	tional pages may be added as necessary)			-	
	Total Should				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	2012	_	
	Enfell				
	Brian A. Lucarelli Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0542B

Equip. Class 0D. Other-Check Valve or Manual Valve

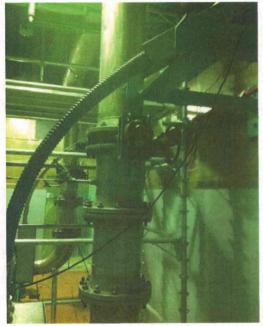
Equipment Description

Fuel Pool Circ Pump B Suction Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-7-1-21.jpeg



Seismic Walkdow	n Checklist (SWC	C)		Status:	Ψ	N	U
Equipment ID No.	0G41F0545A	Equip. Class	0D. Other-Check Valve or	Manual Valve			
Equipment Descrip	tion FPCC	Pump A Disch	Check Valve				
Location: Bldg.	<u>IB</u>	Floor El.	574				
Manufacturer, Mod	lel, Etc.						
SWEL. The space	be used to documbelow each of the	ent the results of following questi	f the Seismic Walkdown of a ons may be used to record th his checklist for documenting	e results of judgm			
Anchorage				Y	N		
of the 50% of SV	WEL items requiri on~14" diam pipe	ng such verificat	d (i.e., is the item one tion)? thows adequate support. No		X		
2. Is the anchorage	free of bent, broke	en, missing or lo	oose hardware?	Y	N	U_	N/A X
3. Is the anchorage	free of corrosion	that is more than	n mild surface	Y	N	U	N/A X
oxidation?	Tice of corrosion	mat is more than	i illitu suriace	<u></u>			<u> 27</u> - J
4. Is the anchorage	free of visible cra	cks in the concr	ete near the anchors?	Y	N	U	N/A X
				Y	N	U	N/A
` .	e configuration con stion only applies i orage configuration	f the item is one	of the 50% for			<u> </u>	X
6. Based on the ab	ove anchorage eva		anchorage free of	Y	N	U]



			Status:	(A)	N	U
Seismic Walkdov	vn Checklist (SWC)					
Equipment ID No.	. <u>0G41F0545A</u> Equip. Class 0D. Other-Check Valve	or Manu	ıal Valve			
Equipment Descri	ption FPCC Pump A Disch Check Valve			-		
Interaction Effec	ts					/.
7. Are soft targets	free from impact by nearby equipment or structures?		Y X	N	U	N/A
			Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		X			
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with ad	lequate	X			
10 Based on the a	above seismic interaction evaluations, is equipment free		Y	N	U	
	ndverse seismic interaction effects?					
Other Adverse C	Conditions				-	
11. Have you lool	ked for and found no other seismic conditions that could be the safety functions of the equipment?		Y	N	U]
Comments (Addi	itional pages may be added as necessary)	· -		··· · · · · · · · · · · · · · · · · ·	-	
	addres Millian &					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	_	
	Entfll					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A

Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description

FPCC Pump A Disch Check Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-21.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-21.jpeg

Description: View of valve location in pipe main line



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545A Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description FPCC Pump A Disch Check Valve



File Name: 2-63-3-4-21.jpeg

Description: View of main pipe line connected to component



Seismic Walkdown Checklist (SWC)		Status:	\odot	N	U
, ,	er-Check Valve or Manu	al Valve			
Equipment Description FPCC Pump B Disch Check Va	alve				
Location: Bldg. IB Floor El. 574					
Manufacturer, Model, Etc.					
Instructions for Completing Checklist This checklist may be used to document the results of the Seisr SWEL. The space below each of the following questions may l findings. Additional space is provided at the end of this checklist.	e used to record the resu	lts of judgm			
Anchorage		v	N		
1. Is the anchorage configuration verification required (i.e., is t of the 50% of SWEL items requiring such verification)?	he item one		X		
Inline check valve on~14" diam pipe line. Pipe line shows adeq degraded condition identified.	nuate support. No				
		Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardy	vare?				X
3. Is the anchorage free of corrosion that is more than mild sur	face	Y	N L	U	N/A X
oxidation?					
		Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the	e anchors?				X
		Y	N	U	N/A
5. Is the anchorage configuration consistent with plant docume (Note: This question only applies if the item is one of the 50 which an anchorage configuration verification is required.)	% for				X
		Y	N	U	1
6. Based on the above anchorage evaluations, is the anchorage potentially adverse seismic conditions?	free of	X			



	CL IV. (CWC)	St	atus:	${f \hat{Y}}$	N	U
Seismic Walkdov	wn Checklist (SWC)					
Equipment ID No	e. 0G41F0545B Equip. Class 0D. Other-Check Valve	or Manual Va	lve			
Equipment Descri	iption FPCC Pump B Disch Check Valve					
Interaction Effec	ets	,	7	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	2		N_		IVA
				N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		ζ			
			<i>Y</i>	N	U_	N/A
	nes have adequate flexibility to avoid damage? Is rigidly supported and attached conduits were found with ade		ζ			
10. Deced on the	shows sciencia intersection avaluations is againment from		Y X	N	U_	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		<u> </u>		1	ı
Other Adverse (Conditions				_	
11. Have you loo	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N	U]
Comments (Add	itional pages may be added as necessary)				-	
	addie Monast					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	_	
	Entill					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0545B

Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description

FPCC Pump B Disch Check Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-21.jpeg

Description: View of valve location in main pipe line

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Status:



Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>0G41F0546A</u> Equip. Class 0D. Other-Check Valve or Ma	anual Valve			
Equipment Description Fuel Pool Circ Pump A Discharge Valve				
Location: Bldg. IB Floor El. 574				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an it SWEL. The space below each of the following questions may be used to record the re findings. Additional space is provided at the end of this checklist for documenting of	esults of judgn	nents and		
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)? Small manual valve on ~14" diam pipe line. No degraded condition identified.		X		
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y	N	U	N/A X
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y	N	U	N/A
CAIUATION:	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X
5. Is the anchorage configuration consistent with plant documentation?	Y	N	U	N/A X
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)				
6. Based on the above anchorage evaluations, is the anchorage free of notentially adverse seismic conditions?	Y	N	U]



C W.H.A.	Charles (CWC)	Status	s: (Y)	N	U
Seismic Walkdov	vn Checklist (SWC)				
Equipment ID No	. <u>0G41F0546A</u> Equip. Class 0D. Other-Check Valve	or Manual Valve			
Equipment Descri	ption Fuel Pool Circ Pump A Discharge Valve				-
				-	
Interaction Effec	ts	••	3 7	T T	NI/ A
7 Are soft targets	free from impact by nearby equipment or structures?	$\frac{Y}{X}$	N	T U	N/A
7. The bolt targets	non impact by nearby equipment of constraints.				
		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting,	X			
and masonry blo	ock walls not likely to collapse onto the equipment?				
					27/1
9 Do attached lin	es have adequate flexibility to avoid damage?	Y X	N	U	N/A
	s rigidly supported and attached conduits were found with ad	L	<u> </u>		
		Y	N	U	
	above seismic interaction evaluations, is equipment free	X]
of potentially a	adverse seismic interaction effects?				
Other Adverse C	onditions			-	
11. Have you lool	ked for and found no other seismic conditions that could	Y	N	U	1
adversely affect	ct the safety functions of the equipment?	X		<u> </u>]
				_	
Comments (Addi	tional pages may be added as necessary)				
	,				
	Addie Millian 1				
Evaluated by:	Eddie M. Guerra	Date: 8/2	26/2012	_	
	Enfl				
	Brian A. Lucarelli	Date: 8/2	26/2012	_	



Y

N

U

Seismic Walkdown Checklist (SWC)

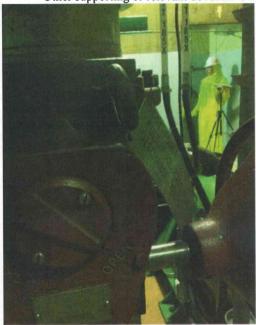
Equipment ID No. 0G41F0546A

Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description

Fuel Pool Circ Pump A Discharge Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-5-1-21.jpeg

Description: View of valve location in pipe main line



	S	tatus:	\bigcirc	N	U
Seismic Walkdown Checklist (SWC)					
Equipment ID No. <u>0G41F0546B</u> Equip. Class 0D. Other-Che	ck Valve or Manual V.	alve			
Equipment Description Fuel Pool Circ Pump B Discharge Iso	Valve				
Location: Bldg. IB Floor El. 574					
Manufacturer, Model, Etc.					
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Wa SWEL. The space below each of the following questions may be used findings. Additional space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of this checklist for one of the space is provided at the end of the space	to record the results o	fjudgm			
Anchorage		Y	N		
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)?	one		X		
Small manual valve on ~14" diam pipe line. No degraded condition in	lentified.				
		Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	<u>L</u>				X
		Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?					X
Oxidation?					
		Y	N	U_	N/A
4. Is the anchorage free of visible cracks in the concrete near the anch	ors?				X
		Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	?				X
6. Based on the above anchorage evaluations, is the anchorage free of	;	Y X	N	U	



Seismic Walkdov	wn Checklist (SWC)		Status:	${f \hat{Y}}$	N	U
Equipment ID No		or Mani	ıal Valve			
Equipment 15 No	Equip. Class OD. Other-Check varve	OI IVIAII	aai vaive			
Equipment Descri	ption Fuel Pool Circ Pump B Discharge Isol Valve				_	
Interaction Effec	ets					
			Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
			Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting,		X			
and masonry blo	ock walls not likely to collapse onto the equipment?					
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with ade	equate	X			
			Y	N_	U	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X			
Other Adverse C	Conditions				-	
11. Have you look	ked for and found no other seismic conditions that could		Y	N	U	1
adversely affe	ct the safety functions of the equipment?		_ A _			J
Comments (Add	itional pages may be added as necessary)				-	
	addie White					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Enfl					
	Brian A. Lucarelli	Date:	8/26/2	.012	-	



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546B

Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description

Fuel Pool Circ Pump B Discharge Isol Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-8-1-21.jpeg
Description: Component Plate ID



File Name: 2-62-8-1-21.jpeg

Description: View of wall mounted pipe line support

U



Status:

N

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0G41F0546B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Fuel Pool Circ Pump B Discharge Isol Valve



File Name: 2-63-8-1-21.jpeg

Description: View of pipe line support configuration



Seismic Walkdow	n Checklist (SW	C)		Status:	U .	IN	U
Equipment ID No.	<u>0H51P003</u> 9	Equip. Class	20. Instrument and Control	Panels			
Equipment Descrip	otion <u>ECC</u>	& ESW Inst Rac	:k				
Location: Bldg.	CC	Floor El.	574				
Manufacturer, Moo	del, Etc.						
SWEL. The space	be used to documbelow each of the	ent the results of following questi	The Seismic Walkdown of a ons may be used to record the is checklist for documenting	e results of judg	ments and		
Anchorage				Y	N		
of the 50% of S	WEL items requir	ing such verificat	I (i.e., is the item one ion)? I anchors. Rack is on a ~6"	X			
2. Is the anchorage	e free of bent, brok	en, missing or lo	ose hardware?	Y X	N	U	N/A
3. Is the anchorage oxidation? No significant corn		that is more than	mild surface	Y X	N	U	N/A
4. Is the anchorage	e free of visible cra	acks in the concre	ete near the anchors?	Y X	N	U	N/A
-	stion only applies orage configuration	if the item is one n verification is i	of the 50% for required.)	Y X	N	U	N/A
6. Based on the ab	ove anchorage ever		nchorage free of	Y X	N	U]



Seismic Walkdov	vn Checklist (SWC)		Status:	Ŷ	N	U
Equipment ID No	. <u>0H51P0039</u> Equip. Class 20. Instrument and Con	trol Pane	ls			
Equipment Descri	ption ECC & ESW Inst Rack					
Interaction Effec	its		3.7	NI	.	N1/4
7. Are soft targets	free from impact by nearby equipment or structures?		Y X	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		Y	N	U	N/A
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with aa	leauate	Y X	N	U	N/A
10. Based on the a	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	equate	Y	N_	U	
	Conditions Ked for and found no other seismic conditions that could get the safety functions of the equipment?		Y X	N	U	
Comments (Addi	tional pages may be added as necessary)				-	
	Total Chrasi					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	-	
	Enfl					
	Brian A. Lucarelli	Date:	8/26/2	012	_	



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0H51P0039</u>

Equip. Class 20. Instrument and Control Panels

Equipment Description

ECC & ESW Inst Rack

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-4-01.jpeg Description: Component Plate ID



File Name: 2-62-6-4-01.jpeg



Status:

N
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0H51P0039</u> Equip. Class 20. Instrument and Control Panels

Equipment Description ECC & ESW Inst Rack



File Name: 2-63-6-4-01.jpeg

Description: Anchorage view of component



File Name: 2-64-6-4-01.jpeg

Description: View of attached top lines



Seismic Walkdown Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control P	anels			
Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A			· · · · · · · · · · · · · · · · · · ·	,
Location: Bldg. CC Floor El. 574				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an SWEL. The space below each of the following questions may be used to record the findings. Additional space is provided at the end of this checklist for documenting of	results of judgm			
Anchorage	Y	N		
1. Is the anchorage configuration verification required (i.e., is the item one	X			
of the 50% of SWEL items requiring such verification)? Braced rack made of $L2x2x1/4$. Anchored with 8-1/2" anchors. Rack is on a \sim 6" concrete pad.				
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y	N	U	N/A
2. In the anahomous function of commercian that is more than mild surface	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			
	Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Document SP-594 confirms the anchorage configuration.	X			<u> </u>
	Y	N	U	_
6. Based on the above anchorage evaluations, is the anchorage free of notentially adverse seismic conditions?	X			J



Seismic Walkdow	n Checklist (SWC)		Status:	W	N	U
Equipment ID No.	0H51P0193 Equip. Class 20. Instrument and Cor	ntrol Pane	els			
Equipment Descri	ection ECCW Pumps & CC Chill H2O Inst Rack A					
Interaction Effec	ts		Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X	11		11/A
			Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment?		X	3 (1 <u>4)</u>	<u></u>	
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with ac	dequate	X		<u> </u>	
10. Based on the a	bove seismic interaction evaluations, is equipment free		Y	N	U	
of potentially a	dverse seismic interaction effects?					
Other Adverse C	onditions				_	
-	ted for and found no other seismic conditions that could the safety functions of the equipment?		Y	N	U]
Comments (Addi	tional pages may be added as necessary)				-	
	-detro What's					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	_	
	Enfli					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	

U



Status:

Y

N

Seismic Walkdown Checklist (SWC)

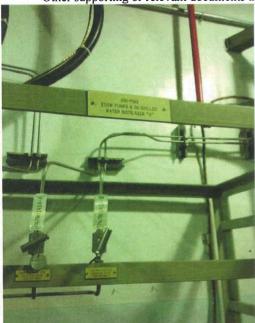
Equipment ID No. <u>0H51P019</u>3

Equip. Class 20. Instrument and Control Panels

Equipment Description

ECCW Pumps & CC Chill H2O Inst Rack A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-7-4-01.jpeg



Status:

N
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0193 Equip. Class 20. Instrument and Control Panels

Equipment Description ECCW Pumps & CC Chill H2O Inst Rack A



File Name: 2-63-7-4-01.jpeg

Description: Anchorage view of component



File Name: 2-64-7-4-01.jpeg

Description: View of attached top lines



Seismic Walkdown	n Checklist ((SWC)		Status:	\bigcirc	N	U
Equipment ID No.	<u>0H51P031</u>	8 Equip. Class	20. Instrument and Control Pa	anels			
Equipment Descript	tion _	Control Complex Chi	iller A Control Panel				
Location: Bldg.	CC	Floor El.	574				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to do elow each o	ocument the results of the following question	f the Seismic Walkdown of an i ions may be used to record the nais checklist for documenting of	results of judgm			
Anchorage				Y	N		
of the 50% of SW Mounted to HX skid	VEL items re d on two stee d all around t	equiring such verifica al plates (L shape, ~1/	d (i.e., is the item one tion)? '2" thick) braced with cantileve Panel attached to framing w/ 4-	er	X		
2. Is the anchorage None observed duri		broken, missing or lo	pose hardware?	Y	N	U	N/A
3. Is the anchorage oxidation?	free of corro	sion that is more than	n mild surface	Y	N	U	N/A
None observed duri	ing inspectio	n.					
4. Is the anchorage	free of visib	le cracks in the concr	ete near the anchors?	Y	N	U	N/A X
				Y	N	U	N/A
(Note: This ques	tion only app	n consistent with plan plies if the item is one tration verification is	e of the 50% for				X
6. Based on the aboreotentially adve		ge evaluations, is the a conditions?	anchorage free of	Y	N	U]

Saismia Walkday	vn Checklist (SWC)		Status:	$ \mathfrak{V} $	N	U
Seismic warkdov						
Equipment ID No	Equip. Class 20. Instrument and Con	trol Panels				
Equipment Descri	ption Control Complex Chiller A Control Panel					•
Interaction Effec	ets			_		21/4
7 Amagast targata	free from impact by nearby equipment or structures?		$\frac{\mathbf{Y}}{\mathbf{X}}$	N	U_	N/A
_						
			Y	N	U	N/A
	the protection piping not directly above panel. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? To attached lines have adequate flexibility to avoid damage? The accordant to above seismic interaction evaluations, is equipment free.					
			Y	N	U	N/A
			X			
Attached piping is	s rigidly supported and attached conduits were found with aa	lequate				
			Y	N	U	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	<u>L</u>	X			J
					- .	
Other Adverse C	Conditions ked for and found no other seismic conditions that could		Y	N	U	
-	ct the safety functions of the equipment?		X		<u> </u>]
Comments (Add	itional pages may be added as necessary)				-	
	The Mhade					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	-	
	Enfl					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318

Equip. Class 20. Instrument and Control Panels

Equipment Description

Control Complex Chiller A Control Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-1-01.jpeg Description: Component Plate ID



File Name: 2-62-1-1-01.jpeg



N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318

Equip. Class 20. Instrument and Control Panels

Equipment Description

Control Complex Chiller A Control Panel



File Name: 2-63-1-1-01.jpeg Description: Isolator close up



File Name: 2-64-1-1-01.jpeg

Description: Isolators, plate welded to chiller



(1)

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Complex Chiller A Control Panel



File Name: 2-73-1-1-01.jpeg

Description: Control panel base weld detail



File Name: 2-94-1-1-01.jpeg

Description: Left side isolators attached to L



Y

J

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P0318

Equip. Class 20. Instrument and Control Panels

Equipment Description

Control Complex Chiller A Control Panel



File Name: 2-95-1-1-01.jpeg
Description: Back view of component



Seismic Walkdowr	ı Checklist (SWC)		Status:	\bigcirc	N	U
	0H51P131		20. Instrument and Control Pa	nels			
Equipment Descript	tion <u> </u>	Local Panel					
Location: Bldg.	EW	Floor El.	586				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to do below each o	ocument the results of f the following questi	the Seismic Walkdown of an it ons may be used to record the ruis checklist for documenting of	esults of judgm			
Anchorage		······································	1 (: - in the item one	Y	N X	l	
of the 50% of SV Mounted on a HSSO anchor bolts. Two o	VEL items re 6x6 post anch other compor	quiring such verificat	n its baseplate with 4-1/2" diam. : P49N0040A-B by 2 - 1/4" dian		A		
2. Is the anchorage	free of bent,	broken, missing or lo	ose hardware?	Y	N	U	N/A
3. Is the anchorage oxidation?	free of corro	sion that is more than	mild surface	Y	N	U	N/A
4. Is the anchorage	free of visib	le cracks in the concre	ete near the anchors?	Y	N	U	N/A
5. Is the anchorage	configuratio	n consistent with plar	nt documentation?	Y	N	U	N/A X
(Note: This ques	tion only app	olies if the item is one tration verification is	of the 50% for				
6. Based on the aboreout ally adve	_	e evaluations, is the a conditions?	unchorage free of	Y	N	U	



Soismic Walkdoy	vn Checklist (SWC)		Status:	${f \hat{Y}}$	N	U
		4 - 1 D 1	l_			
Equipment ID No.	. <u>0H51P131</u> 0 Equip. Class 20. Instrument and Cor	itroi Panei	is			
Equipment Descri	ption Local Panel	100				
Interaction Effec	ts					
~	6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1	Y X	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?					
			Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		X			
			Y	N	U	N/A
	es have adequate flexibility to avoid damage?		X			
Attached piping is	s rigidly supported and attached conduits were found with a	dequate				
			Y	N	U	_
	above seismic interaction evaluations, is equipment free		X	-	l	
of potentially a	adverse seismic interaction effects?					
Other Adverse C	Conditions	<u> </u>			-	
-	ked for and found no other seismic conditions that could		$\begin{array}{c c} Y \\ \hline X \end{array}$	N	U	1
adversely affect	ct the safety functions of the equipment?		<u> </u>		1	l
Comments (Addi	itional pages may be added as necessary)	., .,			-	
	addres Might V					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Enfl					
	Brian A. Lucarelli	Date:	8/26/2	2012		



Y

N

U

Seismic Walkdown Checklist (SWC)

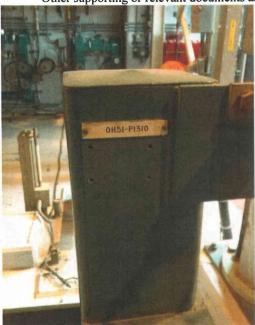
Equipment ID No. 0H51P1310

Equip. Class 20. Instrument and Control Panels

Equipment Description

Local Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-1-05.jpeg
Description: Component Plate ID



File Name: 2-62-3-1-05.jpeg

Description: Attached lines with adequate flexibility



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310

Equip. Class 20. Instrument and Control Panels

Equipment Description

Local Panel



File Name: 2-63-3-1-05.jpeg

Description: Anchorage view of component



File Name: 2-64-3-1-05.jpeg

Description: Close up view of angle support



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0H51P1310

Equip. Class 20. Instrument and Control Panels

Equipment Description

Local Panel



File Name: 2-73-3-1-05.jpeg Description: Instrumentation support detail



File Name: 2-94-3-1-05.jpeg Description: Differential not expected

Seismic Walkdown Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No. 0M23C0001A Equip. Class 9. Fans				
Equipment Description Supply Fan M23-C0001A	<u> </u>			
Location: Bldg. CC Floor El. 679				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an iter SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other	ılts of judgm			
Anchorage		-		
1. It the anchorage configuration varification required (i.e. in the item one	Y	N		
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Large fan supported by four C5 channels from floor. C4's welded to embedded angles with at least 10" of wrap around welds. Fan motor on concrete pad attached to angle embeds with 4 - 3/4" bolts.				
	Y	N	U.	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
3. Is the anchorage free of corrosion that is more than mild surface	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		<u>U</u>	N/A
oxidation?		•		
	Y	N	U.	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Several hairline cracks identified but judged no adverse condition.	X			
	Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration confirmed by Drawing 68-0112.	X			
	Y	N	U	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X]



Caiamia Walladaa	Charliet (CWC)		Status:	\bigcirc	N	U
Seismic Walkdov	wn Checklist (SWC)					
Equipment ID No	o. <u>0M23C00</u> 01A Equip. Class 9. Fans					
Equipment Descri	iption Supply Fan M23-C0001A					
Interaction Effec	ets		•	NI	ŢŢ	NT/A
7. Are soft targets	free from impact by nearby equipment or structures?		Y X	N	U	N/A
			37	N T	* 1	NI/A
	equipment, distribution systems, ceiling tiles and lighting,		Y X	N	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?					
		_	Y	N	U_	N/A
	nes have adequate flexibility to avoid damage? Is rigidly supported and attached conduits were found with ade	L equate	X			
		Г	Y	N	U_	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X			
Other Adverse (V	N	- U	
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N		
Comments (Add	itional pages may be added as necessary)	·····			-	
Comments (Add	ntional pages may be added as necessary)					
	addie Mhail					
Evaluated by:	Eddie M. Guerra	Date: _	8/26/2	2012	-	
	Entfl					
	Brian A. Lucarelli	Date: _	8/26/2	2012	_	



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A

Equip. Class 9. Fans

Equipment Description

Supply Fan M23-C0001A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-04.jpeg



(Y)

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A

Equip. Class 9. Fans

Equipment Description

Supply Fan M23-C0001A



File Name: 2-63-3-4-04.jpeg
Description: General view of anchorage



File Name: 2-64-3-4-04.jpeg



V

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0001A Equip. Class 9. Fans

Equipment Description Supply Fan M23-C0001A



File Name: 2-73-3-4-04.jpeg
Description: View of attached line



Seismic Walkdown	n Checklist (SW	(C)		Status:	Ø	N	U
Equipment ID No.	0M23C0002A	Equip. Class	9. Fans				
Equipment Descrip	tion Retu	ırn Fan M23-C00	02A				
Location: Bldg.	CC	Floor El.	679				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to docur below each of the	nent the results of e following questi	the Seismic Walkdown of an iter ons may be used to record the resuis checklist for documenting othe	ults of judgm			
Anchorage				Y	N_		
of the 50% of SV Large fan supporte	WEL items requing the second of the second we want to the second we second with the second	ring such verificat unnels from floor.	1 (i.e., is the item one ion)? C4's welded to embedded angles a concrete pad attached to angle	X			
2. Is the anchorage		ken, missing or lo	ose hardware?	Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	n that is more than	mild surface	Y	N	U	N/A
			ete near the anchors?	Y	N	U	N/A
Several hairline cr	acks identified bi	ut judged no adve	rse condition.	Y	N	U	N/A
•	stion only applies orage configurati	s if the item is one on verification is	of the 50% for required.)	X			
6. Based on the about potentially adve	ove anchorage everse seismic cond		unchorage free of	Y	N	U]



o			Status:	\bigcirc	N	U
Seismic Walkdov	wn Checklist (SWC)					
Equipment ID No	. <u>0M23C00</u> 02A Equip. Class 9. Fans					
Equipment Descri	iption Return Fan M23-C0002A					
Interaction Effec	ets			2.7	7.1	21/4
7. Are soft targets	free from impact by nearby equipment or structures?	[Y	N	U	N/A
			Y	N_	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	l	X	 .		
			Y	N	U	N/A
9. Do attached lin	es have adequate flexibility to avoid damage?		X			
Attached piping is	s rigidly supported and attached conduits were found with ade	equate				
			Y	N	U	
10. Based on the	above seismic interaction evaluations, is equipment free		X			
of potentially	adverse seismic interaction effects?					
Other Adverse C					-	
-	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N_	U]
Comments (Add	itional pages may be added as necessary)	-		· · · · · · · · · · · · · · · · · · ·	-	
	addie White					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	_	
	Enfell					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



Y

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description

Return Fan M23-C0002A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-04.jpeg



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description

Return Fan M23-C0002A



File Name: 2-63-3-4-04.jpeg

Description: General view of anchorage



File Name: 2-64-3-4-04.jpeg



Y

ж

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23C0002A Equip. Class 9. Fans

Equipment Description

Return Fan M23-C0002A



File Name: 2-73-3-4-04.jpeg Description: View of attached line



Seismic Walkdow	n Checklist (SWC	E)		Status:	${\mathfrak A}$	N	U
Equipment ID No.	<u>0M23F01</u> 00A	Equip. Class	7. Pneumatic-Operated Valves	S			
Equipment Descrip	tion Suppl	y Fan Vortex D	amper				•
Location: Bldg.	CC	Floor El.	679				
Manufacturer, Mod	lel, Etc.						
SWEL. The space	be used to docume below each of the	ent the results of following questi	The Seismic Walkdown of an it ons may be used to record the ruis checklist for documenting of	esults of judgn	nents and		
Anchorage				Y	N		
I. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?					X		
Small motor opera	tor on heavy brace	ed frame. Anchor	red to floor with 16 - 5/8" diam " diam machine bolts.				
				Y	N	U	N/A_
2. Is the anchorage free of bent, broken, missing or loose hardware?	X						
				· Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface	X			
				Y	N	U	N/A
4. Is the anchorage	free of visible cra	cks in the concre	ete near the anchors?	X	1		
				Y	N	U	N/A
` *	e configuration con stion only applies i orage configuration	f the item is one	of the 50% for				X
6. Based on the about potentially adve	ove anchorage eva		nchorage free of	Y	· N	U]



Seismic Walkdow	vn Checklist (SWC)		Status:	(X)	N	U
Equipment ID No.	<u>0M23F01</u> 00A Equip. Class 7. Pneumatic-Operated	Valves				
Equipment Descri	ption Supply Fan Vortex Damper					
Interaction Effec	ts		V	NI	ŢŢ	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X	N	U	IN/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		YX	N	U	N/A
	es have adequate flexibility to avoid damage?		Y X	N	U	N/A
Attached piping is rigidly supported and attached conduits were found with adequate			Y	N	U	I
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	L	_ A		<u> </u>	ı
•	Conditions ked for and found no other seismic conditions that could to the safety functions of the equipment?		Y X	N	U_]
Comments (Addi	tional pages may be added as necessary)				_	
	addio Milyman V					
Evaluated by:	Eddie M. Guerra	Date: _	8/26/2	2012	-	
	Enfl					
	Brian A. Lucarelli	Date: _	8/26/2	2012	_	



Y

N

II

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equi

Equip. Class 7. Pneumatic-Operated Valves

Equipment Description

Supply Fan Vortex Damper

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-04.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-04.jpeg



Status:

N
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0M23F0100A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Supply Fan Vortex Damper



File Name: 2-63-1-4-04.jpeg Description: View of attached lines



File Name: 2-64-1-4-04.jpeg

Description: General view of anchorage



Saigmia Walledown Charletiet (SWC)		Status:	\bigcirc	N	U
Seismic Walkdown Checklist (SWC)					
Equipment ID No. <u>0P47B000</u> 1A Equip. Class 11. Chi	llers				
Equipment Description CCCW Chiller 0P47-B0001A					
Location: Bldg. CC Floor El. 574					
Manufacturer, Model, Etc.					
Instructions for Completing Checklist This checklist may be used to document the results of the Seis SWEL. The space below each of the following questions may findings. Additional space is provided at the end of this checkling.	be used to record the result	s of judgm			
Anchorage		Y	. N		
1. Is the anchorage configuration verification required (i.e., is	the item one	X			
of the 50% of SWEL items requiring such verification)? Chiller mounted on two steel $\sim\!8''$ HSS sections anchored with to a 6"-thick concrete pad. Motor and pump on the same skid.	4 - 1 3/4" anchor bolts				
		Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware? <i>Anchors inspected found in adequate condition.</i>		X			
		Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild sur oxidation?	face	X			
		Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near t	he anchors?	X			
		Y	N	U	N/A
5. Is the anchorage configuration consistent with plant docum (Note: This question only applies if the item is one of the 50 which an anchorage configuration verification is required.)% for)	X			
Anchorage configuration confirmed by Drawing 414-046, Au	ahary Plan "K".				
	сс Г	Y	N	U_	
6. Based on the above anchorage evaluations, is the anchorage potentially adverse seismic conditions?	rree of	X	1		



			Status:	\bigcirc	N	U
Seismic Walkdov	vn Checklist (SWC)					
Equipment ID No	. <u>0P47B000</u> 1A Equip. Class 11. Chillers					
Equipment Descri	iption CCCW Chiller 0P47-B0001A				-	
Interaction Effec	ets		V	N	II	N/A
	free from impact by nearby equipment or structures?		X	N	U	IVA
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		Y	N	U	N/A
and masomy on	sek wans not likely to conapse onto the equipment.		Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? Attached piping is rigidly supported and attached conduits were found with adequate		equate	X			
		_	Y	N	U	ı
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Ĺ	X			
Other Adverse (Conditions		****		_	
-	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N	U	
Comments (Add	itional pages may be added as necessary)	<u></u>			-	
	added White I'm					
Evaluated by:	Eddie M. Guerra	ate: _	8/26/2	012	_	
	Entfll					
	Brian A. Lucarelli	ate:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A

Equip. Class 11. Chillers

Equipment Description

CCCW Chiller 0P47-B0001A

Other supporting or relevant documents and photos (if any):



File Name: 2-61-8-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-01.jpeg



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P47B000</u>1A Equip. Class 11. Chillers

Equipment Description CCCW Chiller 0P47-B0001A



File Name: 2-63-8-4-01.jpeg
Description: Scaffolding located in the area



File Name: 2-64-8-4-01.jpeg

Description: View of insulation material in concrete wall



Y

N

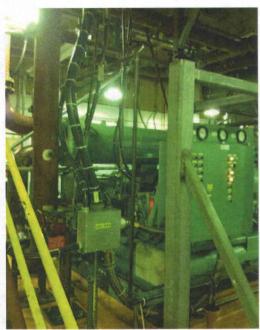
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description

CCCW Chiller 0P47-B0001A



File Name: 2-73-8-4-01.jpeg

Description: View of flexible attached lines



File Name: 2-94-8-4-01.jpeg

Description: View of anchorage condition



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P47B0001A Equip. Class 11. Chillers

Equipment Description

CCCW Chiller 0P47-B0001A



File Name: 2-95-8-4-01.jpeg

Description: View of mounting base detail



Seismic Walkdown	n Checklist (SWC	C)		Status:	${\mathfrak A}$	N	U
Equipment ID No.	<u>0P47C000</u> 1A	Equip. Class	5. Horizontal Pumps				
Equipment Descrip	tion <u>CCC</u>	W Pump					-
Location: Bldg.	CC	Floor El.	574				
Manufacturer, Mod	lel, Etc.						
SWEL. The space l	be used to docum below each of the	ent the results of following questi	the Seismic Walkdown of arons may be used to record the is checklist for documenting	e results of judgm			
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)?			X				
	inted on steel boxe	•	ion)? I with 6 -7/8" diam anchors				
				Y	N	U	N/A
2. Is the anchorage	free of bent, brok	en, missing or lo	ose hardware?	X			
				Y	N	U	N/A
3. Is the anchorage	free of corrosion	that is more than	mild surface	X			
oxidation? Pump housing four	nd with good exter	rior condition.					
				Y	N	U	N/A
4. Is the anchorage	free of visible cra	icks in the concr	ete near the anchors?	X			
				Y	N	U	N/A
which an ancho	stion only applies orage configuration	if the item is one n verification is	of the 50% for	X			
6. Based on the abo	_		unchorage free of	Y	N	U]
potentially adve	erse seismic condi	tions?					



Seismic Walkdov	wn Checklist (SWC)		Status:	Y	N	U
Equipment ID No	. <u>0P47C000</u> 1A Equip. Class 5. Horizontal Pumps					
Equipment Descri	ption CCCW Pump					•
Interaction Effec	ets		Y			N T/A
7. Are soft targets	7. Are soft targets free from impact by nearby equipment or structures?			N	U_	N/A
			Y	N_	U	N/A
and masonry blo	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? entified above component. Judged not to be an adverse condi-	tion.	X	<u>.</u>	L	
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with ad	equate L	X			
		_	Y	N	U_	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	L	X			ļ
Other Adverse (Conditions				_	
11. Have you lool	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N	U]
Comments (Add	itional pages may be added as necessary)				-	
	addie Uhraft					
Evaluated by:	Eddie M. Guerra	Date: _	8/26/2	2012	_	
	En Afli					
	Brian A. Lucarelli I	Date: _	8/26/2	2012	_	



(1)

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P47C000</u>1A Equip. Class 5. Horizontal Pumps

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-01.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-01.jpeg



Y

N

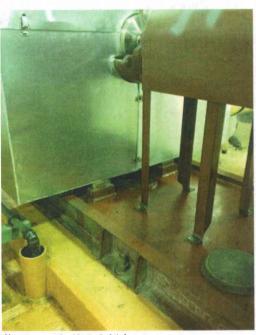
U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P47C0001A</u> Equip. Class 5. Horizontal Pumps

Equipment Description

CCCW Pump



File Name: 2-63-5-4-01.jpeg

Description: Anchorage view of component



File Name: 2-64-5-4-01.jpeg

Description: View of attached lines at component base



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P47C0001A</u> Equip. Class 5. Horizontal Pumps



File Name: 2-73-5-4-01.jpeg

Description: View of flexible attached lines



Seismic Walkdown Checklist (SWC)		Status:	\bigcirc	N	U
` ,					
Equipment ID No. <u>0P49D000</u> 1A Equip. Class 0. Ot	her				
Equipment Description ESW Traveling Screen					
Location: Bldg. EW Floor El. 586					
Manufacturer, Model, Etc.					
Instructions for Completing Checklist This checklist may be used to document the results of the Se SWEL. The space below each of the following questions ma findings. Additional space is provided at the end of this check	y be used to record the results	ofjudgm			
Anchorage		Y	N		
1. Is the anchorage configuration verification required (i.e.,	is the item one	X			
of the 50% of SWEL items requiring such verification)? Anchored with 7 - 1/2" diam anchors.					
		Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose ha	rdware?	X			
		Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild s	surface	X	11		14/74
oxidation? Slight surface corrosion identified on anchor bolts and base affect operability and seismic capacity.	plates. Judged not to				
		Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near	r the anchors?	X			-
		Y	N	U	N/A
5. Is the anchorage configuration consistent with plant docu (Note: This question only applies if the item is one of the which an anchorage configuration verification is require Drawing 220027-00001_008 confirms anchorage configuration	50% for d.)	X			
		Y	N	U	
6. Based on the above anchorage evaluations, is the anchorage potentially adverse seismic conditions?	ge free of	X	11		



Seismic Walkdov	wn Checklist (SWC)		Status:	\bigcirc	N	U
Equipment ID No	o. <u>0P49D000</u> 1A Equip. Class 0. Other					
Equipment Descri	iption ESW Traveling Screen					
Interaction Effec	ets		Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? Scafolding identified next to screen. Scaffolding properly tied and supported thus no adverse potential condition.				N		IV/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?				N_	U	N/A
			Y	N	U_	N/A
	nes have adequate flexibility to avoid damage? Is rigidly supported and attached conduits were found with add	equate	X			
	10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?				U]
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?				N	- U]
Comments (Add	itional pages may be added as necessary)		<u></u>	<u>.</u>	-	
	- detall frage					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	2012	-	
	Brian A. LucarelliI	Date:	8/26/2	2012	_	



Y

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U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P49D000</u>1A

Equip. Class 0. Other

Equipment Description

ESW Traveling Screen

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-05.jpeg Description: Component Plate ID



File Name: 2-62-2-4-05.jpeg

U



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0P49D0001A</u> Equip. Class 0. Other

Equipment Description ESW Traveling Screen



File Name: 2-63-2-4-05.jpeg

Description: View of component mounting base



File Name: 2-64-2-4-05.jpeg

Description: Anchorage view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description ESW Traveling Screen



File Name: 2-73-2-4-05.jpeg
Description: View of anchorage detail



File Name: 2-94-2-4-05.jpeg

Description: Scaffold located near component



(Y)

1

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49D0001A Equip. Class 0. Other

Equipment Description

ESW Traveling Screen



File Name: 2-95-2-4-05.jpeg
Description: View of attached lines



				Status:	\bigcirc	N	U
Seismic Walkdown	n Checklist (SWC	C)					
Equipment ID No.	<u>0P49F050</u> 2A	Equip. Class	0D. Other-Check Valve or	Manual Valve			
Equipment Descrip	tion ESW	Check Valve					
Location: Bldg.	EW	Floor El.	586				
Manufacturer, Mod	lel, Etc.			_			
SWEL. The space I	be used to documbelow each of the	ent the results of following questi	the Seismic Walkdown of a ons may be used to record th his checklist for documenting	ne results of judgm			
Anchorage				V	N		
	1. Is the anchorage configuration verification required (i.e., is the item one						
	=	•	tion)? s on a short pipe between two	o well			
				Y	N	U	N/A
2. Is the anchorage	free of bent, brok	en, missing or lo	oose hardware?				X
	0 0	a a		Y	N	U	N/A X
3. Is the anchorage oxidation?	free of corrosion	that is more thar	i mild surface	<u> </u>		<u> </u>	
				Y	N	U	N/A X
4. Is the anchorage	free of visible cra	icks in the concr	ete near the anchors?			<u> </u>	
	•			Y	N	U	N/A
	configuration cor stion only applies orage configuration	if the item is one	of the 50% for	<u> </u>			X
6. Based on the about potentially adve	ove anchorage eva		anchorage free of	Y X	N	U]



Seismic Walkdov	vn Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No		al Valve			
Equipment Descri	ption ESW Check Valve			_	
Interaction Effec	ets	Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X			
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y X	N	U	N/A
0. Do attached lin	as have adequate flevibility to avoid damage?	Y	N	U	N/A
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with adequate	Λ	- <u>-</u>	<u> </u>	
10 Paged on the	above seismic interaction evaluations, is equipment free	Y	N	U	1
	adverse seismic interaction effects?	Α		<u> </u>	ı
	Conditions ked for and found no other seismic conditions that could t the safety functions of the equipment?	Y X	N	- U	
Comments (Add	itional pages may be added as necessary)	<u>.</u>		-	
	- deter Mhraft				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	_	
	Entfli				
	Brian A. Lucarelli Date:	8/26/2	2012	_	



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0P49F0502A

Equip. Class OD. Other-Check Valve or Manual Valve

Equipment Description

ESW Check Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-1-05.jpeg
Description: Component Plate ID



File Name: 2-62-6-1-05.jpeg



				Status:	\bigcirc	N	U
Seismic Walkdowi	n Checklist (SW	C)					
Equipment ID No.	<u>0R24S002</u> 0	Equip. Class	1. Motor Control Centers				
Equipment Descrip	tion <u>480</u>	V MCC EF1A09					
Location: Bldg.	CC	Floor El.	620				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to documelow each of the	nent the results of following questi	The Seismic Walkdown of an ite ons may be used to record the re is checklist for documenting oth	sults of judgm			
Anchorage				**	N.T.		
•	•	•	I (i.e., is the item one	Y	N		
Inside MCC EF1AC perimeter concrete welds at back of the	09. Anchored wit pad angles. 20 s e first section. Th	hims at front and is configuration v	ion)? that are plug welded to base 17 shims at back of MCC. 3 - 3" was addressed adequately in her action was required.	,			
				Y	N	U	N/A
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?	X			
				Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface	X			
				Y	N	U	N/A
4. Is the anchorage	free of visible cr	acks in the concre	ete near the anchors?	X			
						**	27/4
5. Is the anchorage	configuration co	nsistent with plar	at documentation?	Y	N	<u>U_</u>	N/A
(Note: This ques	stion only applies orage configuration	if the item is one on verification is	of the 50% for				
6. Based on the abo	ove anchorage everse seismic cond		nchorage free of	Y	N	U]



Seismic Walkdov	wn Checklist (SWC)	Statu	s: Ý	N	U
Equipment ID No		s			
Equipment Descr	iption 480 V MCC EF1A09				-
Interaction Effec	ets	V	N	U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?	X	IN	T	IN/A
8. Are overhead e	equipment, distribution systems, ceiling tiles and lighting,	Y	N	U T	N/A
	ock walls not likely to collapse onto the equipment?	<u> </u>	······································		
9. Do attached lin	nes have adequate flexibility to avoid damage?	Y	N _	U	N/A
Attached piping i	s rigidly supported and attached conduits were found with ade	_	•	* 1	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	X	N	<u>U</u>]
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y X	N	U]
Comments (Add	itional pages may be added as necessary)				
	addie Month				
Evaluated by:	Eddie M. Guerra D	eate: 8/2	6/2012	_	
	Entfl				
	Brian A. Lucarelli D	eate: 8/2	26/2012	_	



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020

Equip. Class 1. Motor Control Centers

Equipment Description

480 V MCC EF1A09

Other supporting or relevant documents and photos (if any):



File Name: 2-61-11-4-06.jpeg Description: Component Plate ID



File Name: 2-62-11-4-06.jpeg



Y

N

U

Seismic Walkdown Checklist (SWC)

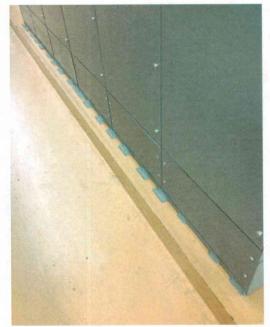
Equipment ID No. <u>0R24S0020</u> Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09



File Name: 2-63-11-4-06.jpeg

Description: View of base anchorage detail



File Name: 2-64-11-4-06.jpeg

Description: View of base anchorage detail



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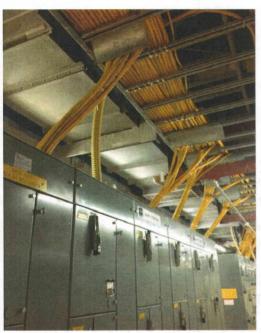
N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R24S0020 Equip. Class 1. Motor Control Centers

Equipment Description 480 V MCC EF1A09



File Name: 2-73-11-4-06.jpeg
Description: View of top attached lines



Seismic Walkdowi	n Checklist (SWC	C)		Status:	W	N	U
Equipment ID No.	<u>0R42S001</u> 1	Equip. Class	16. Battery Chargers and Inve	rters			
Equipment Descrip	tion <u>EFD</u>	-12-C Reserve B	attery Charger				•
Location: Bldg.	CC	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space l	be used to docum below each of the	ent the results of following questi	the Seismic Walkdown of an it ons may be used to record the rais checklist for documenting of	esults of judgm			
Anchorage				Y	N		
of the 50% of SV	VEL items requiri	ng such verificat			X		
	es of C4's. Charge		oerimeter pad angle with ~18" o onnected with 6 - 1/2" diam	of			
2. Is the anchorage	free of hent brok	en missing or lo	ose hardware?	Y	N	U	N/A
2, 10 0.00 0.00000	,,	en, moonig or re		.		•	
3. Is the anchorage	free of corrosion	that is more than	mild surface	Y X	N	U	N/A
oxidation?							
4 Is the anchorage	free of visible cra	icks in the concr	ete near the anchors?	Y	N	U	N/A
4. 13 the allehorage	nee of vision of	icks in the concre	the mean the anomors.				<u>,</u>
5. Is the anchorage	configuration cor	ecistent with nlar	ut documentation?	Y	N	U	N/A X
(Note: This ques	tion only applies orage configuration	if the item is one	of the 50% for				
				Y	N	U	-
6. Based on the abo	ove anchorage eva		nchorage free of	X		<u> </u>]



Seismic Walkdov	vn Checklist (SWC)		Status:	Ø	N	U
Equipment ID No.	. <u>0R42S001</u> 1 Equip. Class 16. Battery Chargers	and Invert	ers			
Equipment Descri	ption EFD-12-C Reserve Battery Charger				_	
Interaction Effec	ts		Y	N	U	N/A
7. Are soft targets	7. Are soft targets free from impact by nearby equipment or structures?					14/71
	the state of the s		Y	N	U	N/A
and masonry blo Hanging fluoresce	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? ent lights identified with compression-type fittings. Judgeo of fluorescent tubes.	l adequate				
			Y	N	U	N/A
	. Do attached lines have adequate flexibility to avoid damage? ttached piping is rigidly supported and attached conduits were found with adequate					
Attached piping is	s rigidly supported and attached conduits were found with	aaequate				
			Y	<u>N</u>	U	i
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X		<u> </u>	
Other Adverse C	Conditions ked for and found no other seismic conditions that could		Y	N	- U	
•	ct the safety functions of the equipment?		X			
Comments (Addi	tional pages may be added as necessary)			-	-	
	deter Michael					
Evaluated by:	Eddie M. Guerra	_Date:	8/26/2	012	_	
	Enffl					
	Brian A. Lucarelli	Date:	8/26/2	012	_	



Y

N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011

Equip. Class 16. Battery Chargers and Inverters

Equipment Description

EFD-12-C Reserve Battery Charger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-6-1-06.jpeg Description: Component Plate ID



File Name: 2-62-6-1-06.jpeg Description: Component Plate ID

U



Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger



File Name: 2-63-6-1-06.jpeg

Description: General view of component



File Name: 2-64-6-1-06.jpeg

Description: View of base anchorage detail



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 0R42S0011

Equip. Class 16. Battery Chargers and Inverters

Equipment Description

EFD-12-C Reserve Battery Charger



File Name: 2-73-6-1-06.jpeg

Description: View of base anchorage detail



File Name: 2-94-6-1-06.jpeg

Description: View of mounting base detail



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>0R42S001</u>1 Equip. Class 16. Battery Chargers and Inverters

Equipment Description EFD-12-C Reserve Battery Charger



File Name: 2-95-6-1-06.jpeg

Description: View of top attached lines



Seismic Walkdowi	n Checklist (S	WC)		Status:	Ø	N	U
Equipment ID No.	1B21N00676	C Equip. Class	18. Instrument (on) Racks				
Equipment Descript	tion <u>Pr</u>	ess Element					
Location: Bldg.	CO	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to doc below each of t	ument the results of the following questi	the Seismic Walkdown of an it ons may be used to record the r is checklist for documenting of	esults of judgm			
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)?					X		
	ched to P1000	with 4 - 1/4" diam.	Rack attached to steel framing				
				Y	N	U	N/A
2. Is the anchorage	free of bent, b	roken, missing or lo	ose hardware?	X			
				Y	N_	U	N/A
3. Is the anchorage oxidation?	free of corrosi	on that is more than	mild surface	X			
Slight surface corre	osion identified	l but judged not a co	oncern.				
				Y	N	U	N/A
4. Is the anchorage	free of visible	cracks in the concre	ete near the anchors?			-	X
				Y	N	U	N/A
(Note: This ques	tion only appli	consistent with plan es if the item is one tion verification is i	of the 50% for				X
6. Based on the aboreout ally adve	_		nchorage free of	Y	N	U]



Seismic Walkdov	vn Checklist (SWC)	Status:	Ø	N	U
Equipment ID No	. <u>1B21N0067C</u> Equip. Class 18. Instrument (on) Racks				
Equipment Descri	ption Press Element			_	
Interaction Effec	ts	V	Ni	ŢŢ	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	Y	N	U	IV/A
		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	X			
		Y	N	U	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with adequate	te X		<u> </u>	
10 Dl 4l		Y	N	U	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		<u>.</u>	<u></u> .	
Other Adverse C	'anditions			_	
11. Have you lool	ked for and found no other seismic conditions that could be the safety functions of the equipment?	Y	N	U]
Comments (Addi	tional pages may be added as necessary)			-	
	added Whom I'l				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	2012	_	
	Enfll				
	Brian A. Lucarelli Date:	8/26/2	2012		



Seismic Walkdown Checklist (SWC)

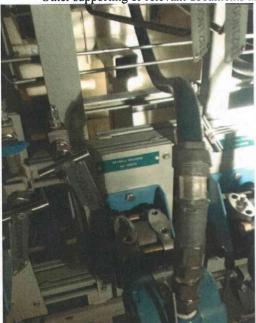
Equipment ID No. 1B21N0067C

Equip. Class 18. Instrument (on) Racks

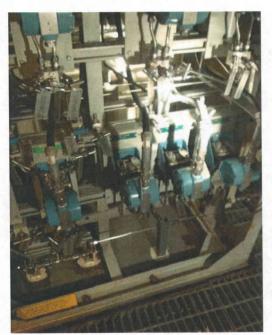
Equipment Description

Press Element

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-13.jpeg Description: Component Plate ID



File Name: 2-62-1-4-13.jpeg

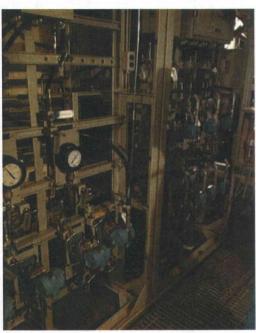


Seismic Walkdown Checklist (SWC)

Equipment ID No. 1B21N0067C Equip. Class 18. Instrument (on) Racks

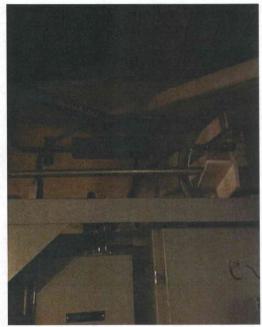
Equipment Description

Press Element



File Name: 2-63-1-4-13.jpeg

Description: General view of component rack



File Name: 2-64-1-4-13.jpeg

Description: View or top attached lines



Seismic Walkdowi	n Checklist (SWC	()		Status:	${\mathfrak A}$	N	U
Equipment ID No.	<u>1B21N007</u> 3C	Equip. Class	18. Instrument (on) Racks				
Equipment Descrip	tion <u>Level</u>	Element					
Location: Bldg.	CO	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docume below each of the	ent the results of following questi	f the Seismic Walkdown of an it ons may be used to record the ruis checklist for documenting of	esults of judgm			
Anchorage				Y	N		
of the 50% of SV	WEL items requiring the with the world in th	ng such verificat h 4 - 1/4" diam.	Rack attached to steel framing		X		
2. Is the anchorage	free of bent, broke	en, missing or lo	oose hardware?	Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion t	hat is more than	ı mild surface	Y X	N	Ú	N/A
4. Is the anchorage	free of visible cra	cks in the concr	ete near the anchors?	Y	N	U	N/A X
_				Y	N	U	N/A
	configuration con stion only applies i orage configuration	f the item is one	of the 50% for				X
6. Based on the abo	ove anchorage eva		unchorage free of	Y	N	U]



Seismic Walkdov	wn Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No	Equip. Class 18. Instrument (on) Racks				
Equipment Descri	iption Level Element			_	
Interaction Effec	ets	V	3 . ī	ĪĪ	NI/A
7. Are soft targets free from impact by nearby equipment or structures?		Y X	N	U	N/A
8. Are overhead e	quipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?				
9. Do attached lines have adequate flexibility to avoid damage? Attached piping is rigidly supported and attached conduits were found with adequate		Y X	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y X	N	U	1
Other Adverse C		Y		_	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?			N	U]
Comments (Add	itional pages may be added as necessary)			_	
	Total White				
Evaluated by:	Eddie M. Guerra Date	e: <u>8/26/2</u>	012	_	
	Entfl				
	Brian A. Lucarelli Date	e: 8/26/2	2012	_	



Y

N

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Seismic Walkdown Checklist (SWC)

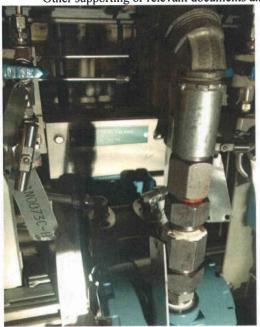
Equipment ID No. 1B21N0073C

Equip. Class 18. Instrument (on) Racks

Equipment Description

Level Element

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-13.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-13.jpeg



Y

N

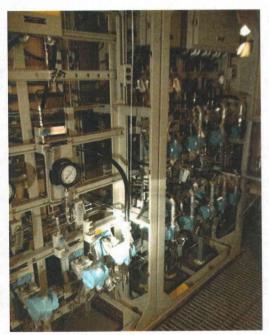
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Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1B21N0073C</u> Equip. Class 18. Instrument (on) Racks

Equipment Description Leve

Level Element



File Name: 2-63-2-4-13.jpeg



Seismic Walkdown	n Checklist (SWC	C)		Status:	W	N	U
Equipment ID No.	1C11F0083	Equip. Class	8A. Motor-Operated Valves				
Equipment Descrip	tion MO\	/	-				- -
Location: Bldg.	<u>FH</u>	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docum below each of the	ent the results of following questi	f the Seismic Walkdown of an ions may be used to record the is checklist for documenting o	results of judgm			
Anchorage				Y	N		
	VEL items requiri	ng such verificat	•		X		
2. Is the anchorage	free of bent, brok	en, missing or lo	ose hardware?	Y	N	U	N/A X
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface	Y	N	U	N/A X
				Y	N	U	N/A
4. Is the anchorage	free of visible cra	acks in the concre	ete near the anchors?	X			
	configuration cortion only applies orage configuration	if the item is one	of the 50% for	Y	N	U	N/A X
6. Based on the abo	ove anchorage eva		nchorage free of	Y	N	U]



			Status:	\bigcirc	N	U
Seismic Walkdo	wn Checklist (SWC)					
Equipment ID No	e. 1C11F0083 Equip. Class 8A. Motor-Operated	Valves				
Equipment Descr	iption MOV					
Interaction Effe	ets				-	
			Y	N	U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?		X		<u></u> .	
			Y	N	U	N/A
8 Are overhead e	equipment, distribution systems, ceiling tiles and lighting,		X	- 1 1		1971
	ock walls not likely to collapse onto the equipment?					
			Y	N	U	N/A
9. Do attached lin	nes have adequate flexibility to avoid damage?		X			
	s rigidly supported and attached conduits were found with a	adequate				
			Y	N	U	
10. Based on the	above seismic interaction evaluations, is equipment free		X			
of potentially	adverse seismic interaction effects?				_	
Other Adverse (Conditions					
	ked for and found no other seismic conditions that could		Y	<u>N</u>	U	I
adversely affe	ct the safety functions of the equipment?		X			
Comments (Add	itional pages may be added as necessary)	- 1 Mar-			-	
	addres Albury 1					
Evaluated by:	Eddie M. Guerra	_Date:	8/26/2	012	_	
	Enfll					
	Brian A. Lucarelli	_Date:	8/26/2	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1C11F0083</u> Equip. Class 8A. Motor-Operated Valves

Equipment Description MOV

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-17.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-17.jpeg



N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083

Equip. Class 8A. Motor-Operated Valves

Equipment Description

MOV



File Name: 2-63-1-4-17.jpeg Description: View of attached lines



File Name: 2-64-1-4-17.jpeg Description: View of attached line



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0083

Equip. Class 8A. Motor-Operated Valves

Equipment Description

MOV



File Name: 2-73-1-4-17.jpeg

Description: View of pipe line support



Seismic Walkdowi	n Checklist (SWC	5)		Status:	$ar{\mathbf{Y}}$	N	U
Equipment ID No.		Equip. Class	8B. Solenoid Valves				
Equipment Descrip	tion RPS	Valve					
Location: Bldg.	СО	Floor El.	642				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docume below each of the	ent the results of following questi	f the Seismic Walkdown of an item ons may be used to record the resu is checklist for documenting other	ılts of judgm			
Anchorage				Y	N		
	configuration veri VEL items requiri		I (i.e., is the item one tion)?		X		
			et with 2 - 3/8" diam machine ll with 2 - 5/8" diam anchor bolts.				
2. Is the anchorage	free of bent, broke	en, missing or lo	ose hardware?	Y	N	U	N/A X
3. Is the anchorage oxidation?	free of corrosion t	hat is more than	mild surface	Y	N	U	N/A X
4. Is the anchorage	free of visible cra	cks in the concre	ete near the anchors?	Y	N	U	N/A X
5. Is the anchorage	configuration con	sistent with plan	nt documentation?	Y	N	U	N/A X
(Note: This ques	tion only applies i	f the item is one	of the 50% for				
6. Based on the about potentially adve	ove anchorage eva rse seismic condit		nchorage free of	Y	N	U	



Seismic Walkdov	wn Checklist (SWC)	Status:	Ø	N	U
Equipment ID No	. 1C11F0110A Equip. Class 8B. Solenoid Valves				
Equipment Descri	ption RPS Valve			_	
Interaction Effec	ets	•	N	.	NI/A
_	free from impact by nearby equipment or structures? area found with adequate bracing.	Y X	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y	N	U	N/A
	es have adequate flexibility to avoid damage?	Y	N	U	N/A
	s rigidly supported and attached conduits were found with adeq	<u>Y</u>	N_	U	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	X		1	
·	ked for and found no other seismic conditions that could	Y	N	- U	1
	itional pages may be added as necessary)	Α		_	
	the Mhaji				
Evaluated by:	Eddie M. Guerra Da	ste: 8/26/2	2012	-	
	Entfl				
	Brian A. Lucarelli Da	ate: <u>8/26/2</u>	2012	_	



(Y)

V

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0110A

Equip. Class 8B. Solenoid Valves

Equipment Description

RPS Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-3-4-12.jpeg
Description: View of attached lines



Seismic Walkdown	n Checklist (SWC	E)		Status:	$\langle \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	N	U
Equipment ID No.	1C11F0160A	Equip. Class	8B. Solenoid Valves				
Equipment Descrip	tion RRCS	S Valve					
Location: Bldg.	CO	Floor El.	642				
Manufacturer, Mod	lel, Etc.			_			
SWEL. The space I	be used to docume below each of the	ent the results of following questi	the Seismic Walkdown of an ite ons may be used to record the re his checklist for documenting oth	sults of judgm			
Anchorage				V	N		
	configuration veri WEL items requiri		d (i.e., is the item one ion)?	Y	X		
			et with 2 - 3/8" diam machine ll with 4 - 5/8" diam anchor bolt:	s.			
2. Is the anchorage	free of bent, broke	en, missing or lo	ose hardware?	Y	N	U	N/A X
3. Is the anchorage oxidation?	free of corrosion t	hat is more than	mild surface	Y	N	U	N/A X
4. Is the anchorage	free of visible cra	cks in the concre	ete near the anchors?	Y	N	U_	N/A X
5. Is the anchorage (Note: This ques	configuration con	-		Y	N	U	N/A X
· -	orage configuration			Y	N	U	
6. Based on the about potentially adve	ove anchorage eva		nchorage free of	X	111	<u> </u>	



Seismic Walkdov	wn Checklist (SWC)		Status:	Ø	N	U
Equipment ID No	e. 1C11F0160A Equip. Class 8B. Solenoid Valves					
Equipment Descr	iption RRCS Valve				_	
Interaction Effec	ets					> / A
7. Are soft targets	free from impact by nearby equipment or structures?		Y X	N	U	N/A
8. Are overhead e	equipment, distribution systems, ceiling tiles and lighting,		Y X	N	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?					
	Do attached lines have adequate flexibility to avoid damage? tached piping is rigidly supported and attached conduits were found with adequate				U	N/A
7. 0	<i>,</i>		Y	N	U	
	0. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?					
				-	-	
-	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N	U	
Comments (Add	itional pages may be added as necessary)				-	
	addres M. Jonas J.					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Enfli					
	Brian A. Lucarelli	Date:	8/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

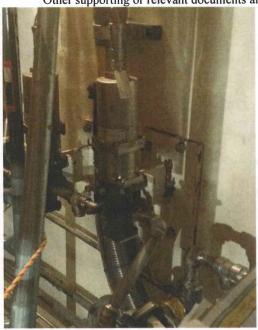
Equipment ID No. 1C11F0160A

Equip. Class 8B. Solenoid Valves

Equipment Description

RRCS Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-12.jpeg Description: Component Plate ID



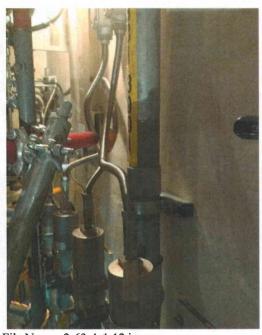
File Name: 2-62-4-4-12.jpeg



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C11F0160A Equip. Class 8B. Solenoid Valves

Equipment Description RRCS Valve



File Name: 2-63-4-4-12.jpeg
Description: View of top attached lines



Seismic Walkdowi	n Checklist (SW	·C)		Status:	\odot	N	U
Equipment ID No.		Equip. Class	20. Instrument and Contro	l Panels			
Equipment Descrip	tion ATV	WS Panel					
Location: Bldg.	CC	Floor El.	654				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to docur below each of the	nent the results of e following questi	the Seismic Walkdown of a ons may be used to record this checklist for documenting	ne results of judgm			
Anchorage				Y	N		
of the 50% of SV Panels bolted to flo	WEL items requirences of ~C10 ch	ring such verificat annels with 10 - 1	d (i.e., is the item one tion)? /2" diam bolts. C10's are we		X		
to cross steel memb	vers at floor level	l.					
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?	Y X	N	U	N/A
3. Is the anchorage	free of corrosion	that is more than	mild surface	Y	N	U	N/A
oxidation? No excessive corro							
4. Is the anchorage	free of visible cr	racks in the concre	ete near the anchors?	Y	N	U	N/A
				Y	N	U	N/A
	tion only applies	onsistent with plar if the item is one on verification is	of the 50% for				X
				Y	N	U_	1
6. Based on the abo	ove anchorage everse seismic cond		nchorage free of	X		<u> </u>]



Caiamia Walledon	wn Checklist (SWC)	Status:	\bigcirc	N	U
Seismic waikuov	wii Checklist (SWC)				
Equipment ID No	Equip. Class 20. Instrument and Control Pa	nels			
Equipment Descri	iption ATWS Panel				•
Interaction Effec	ets			_	
7 Are soft targets	free from impact by nearby equipment or structures?	$\begin{array}{c c} Y \\ \hline X \end{array}$	N	U	N/A
7. The sore targets	rice non impact by nearby equipment of structures.	<u> </u>		·	
		Y	N	U	N/A
and masonry blo	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? entified with diagonal braces and rod hangers.	X		1	
		Y	N	U	N/A
	es have adequate flexibility to avoid damage?	X			
Attached piping is	s rigidly supported and attached conduits were found with adequate	!			
		Y	N	U	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	X		<u></u>	
Other Adverse (Conditions			_	
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y	N	U]
Comments (Add	itional pages may be added as necessary)			-	
	= deto Mhrafi				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	2012	-	
	Entfl				
	Brian A. Lucarelli Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

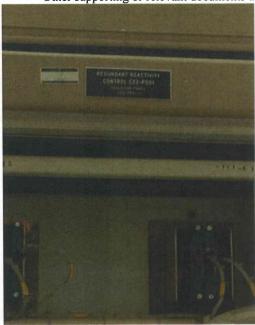
Equipment ID No. 1C22P0001

Equip. Class 20. Instrument and Control Panels

Equipment Description

ATWS Panel

Other supporting or relevant documents and photos (if any):



File Name: 2-62-1-4-03.jpeg Description: Component Plate ID



File Name: 2-63-1-4-03.jpeg

Description: Inside view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C22P0001 Equip. Class 20. Instrument and Control Panels

Equipment Description ATWS Panel



File Name: 2-61-1-4-03.jpeg Description: Anchorage view



Seismic Walkdowr	ı Checklist (SV	VC)		Status:	Ø	N	U
Equipment ID No.	1C41A0003	Equip. Class	21. Tanks and Heat Excha	ngers			
Equipment Descrip	tion SLO	C Auxiliary Mixin	g Tank				
Location: Bldg.	<u>IB</u>	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docu below each of th	ment the results of e following questi	the Seismic Walkdown of a cons may be used to record the checklist for documenting	he results of judg	ments and		
Anchorage				Y	N		
of the 50% of SV	VEL items requi	ring such verificat	f (i.e., is the item one ion)? oith 2 - 1" diam anchor bolts	X			
y er iicai iank mouni	ieu on 4 iegs, eu	en ieg anchorea w	un 2 - 1 alam anchor bolls		NI	T I	N/A
2. Is the anchorage	free of bent, bro	oken, missing or lo	ose hardware?	X	N	U	IN/A
				Y	N_	U	N/A
3. Is the anchorage oxidation?	free of corrosio	n that is more than	mild surface	X			
				Y	N	U	N/A
4. Is the anchorage	free of visible c	racks in the concre	ete near the anchors?	X	1		1071
				Y	N	U	N/A
5. Is the anchorage	_	-		X	1,		
which an ancho	rage configurati	s if the item is one on verification is	required.)				
Drawing 413-0237 configuration.	, Equipment Fo	undation "Detail N	" confirms anchorage				
6. Based on the abo	ove anchorage e	valuations is the a	nchorage free of	X	N_	U	1
potentially adve	_		nonviugo noc or		L	<u>. </u>	J



Seismic Walkdov	wn Checklist (SWC)		Status:	W	N	U
Equipment ID No	. <u>1C41A00</u> 03 Equip. Class 21. Tanks and	Heat Exchangers				
Equipment Descri	iption SLC Auxiliary Mixing Tank				_	•
Interaction Effec	ets		V	N I	ŢŢ	N/A
7. Are soft targets	free from impact by nearby equipment or structures	?	X	N	U	IN/A
	quipment, distribution systems, ceiling tiles and ligh	ting,	Y	N	U	N/A
and masonry ok	ock walls not likely to collapse onto the equipment?		Y	N	U	N/A
The contraction of the contracti						IV/A
	10. Based on the above seismic interaction evaluations, is equipment free]
of potentially a	adverse seismic interaction effects?					
11. Have you lool	Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?					
Comments (Addi	itional pages may be added as necessary)				-	
	adde M. Juna 18					
Evaluated by:	Eddie M. Guerra	Eddie M. Guerra Date:		012	_	
	Entfl					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



Y

J

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Seismic Walkdown Checklist (SWC)

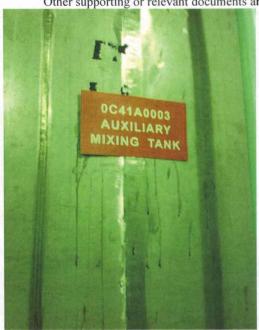
Equipment ID No. 1C41A0003

Equip. Class 21. Tanks and Heat Exchangers

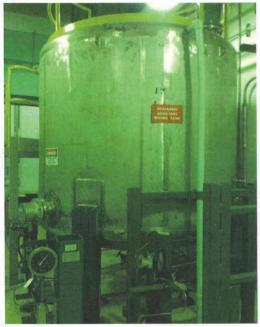
Equipment Description

SLC Auxiliary Mixing Tank

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-09.jpeg Description: Component Plate ID



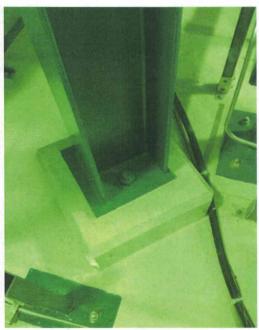
File Name: 2-62-1-4-09.jpeg



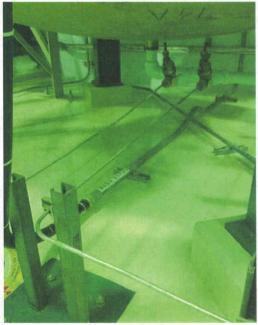
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41A0003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description SLC Auxiliary Mixing Tank



File Name: 2-63-1-4-09.jpeg Description: General view of anchorage



File Name: 2-64-1-4-09.jpeg
Description: View of attached lines



Seismic Walkdown	n Checklist (SWC	C)		Status:	\odot	N	U
Equipment ID No.	1C41C0001A	Equip. Class	5. Horizontal Pumps				
Equipment Descrip	tion Moto	r Pump					
Location: Bldg.	CO	Floor El.	642				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to docume below each of the	ent the results of following questi	the Seismic Walkdown of an it ons may be used to record the rois checklist for documenting of	esults of judgm			
Anchorage				Y	N		
	I. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?						
	red through check	ered grating with	non): h 7 - 3/4" diam machine bolts.				
				Y	N	U	N/A
2. Is the anchorage	free of bent, broke	en, missing or lo	ose hardware?	X			
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface	Y	N	U	N/A
Oxidation?							
4. Is the anchorage	free of visible cra	cks in the concr	ete near the anchors?	Y	N	U	N/A
				Y	N	U	N/A
•	stion only applies i	f the item is one n verification is	of the 50% for required.)	X			
				Y	N	U	1
6. Based on the abo	ove anchorage eva erse seismic condit		nchorage free of	X			J



Seismic Walkdo	wn Checklist (SWC)		Status:	${f \hat{Y}}$	N	U
Equipment ID No	, ,					
Equipment Descr	iption Motor Pump					
					-	
Interaction Effec	ets					
7. Are soft targets	s free from impact by nearby equipment or structures?	ſ	$\frac{Y}{X}$	N	U	N/A
		L				
			\mathbf{Y}^{-1}	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting,	[X			
and masonry bi	ock walls not likely to collapse onto the equipment?					
			Y	N	U	N/A
9. Do attached lin	es have adequate flexibility to avoid damage?	[X			
Attached piping i	s rigidly supported and attached conduits were found with ac	lequate				
		_	Y	N	U	
	above seismic interaction evaluations, is equipment free		X			
or potentially	adverse seismic interaction effects?					
Other Adverse (<u> </u>			-	
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?	[$\frac{Y}{X}$	N	U	
adversely affe	et the safety functions of the equipment:	ı	75			
Comments (Add	itional pages may be added as necessary)				-	
	menus pages may so added as necessary)					
	The Miland &					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	-	
	Entfl					
	Brian A. Lucarelli	Date:	8/26/2	012	_	

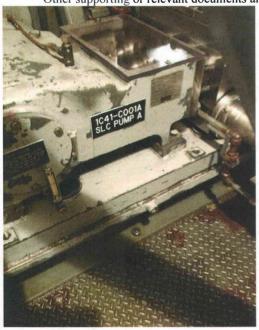


Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-12.jpeg
Description: Component Plate ID



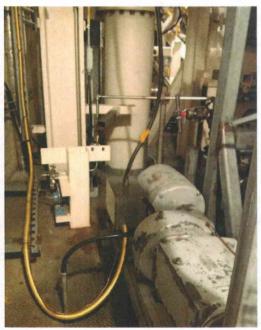
File Name: 2-62-1-4-12.jpeg



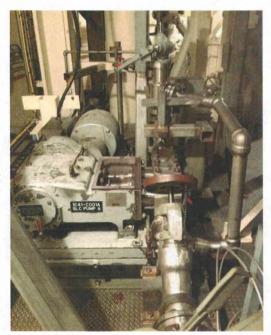
Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41C0001A Equip. Class 5. Horizontal Pumps

Equipment Description Motor Pump



File Name: 2-63-1-4-12.jpeg
Description: View of attached lines



File Name: 2-64-1-4-12.jpeg



Colonia Walladania Charlin	A (CREIC)		Status:	\bigcirc	N	U
Seismic Walkdown Checklis	t (SWC)					
Equipment ID No. 1C41F00	201A Equip. Class	8A. Motor-Operated Valves				
Equipment Description	Motor Valve					
Location: Bldg. CO	Floor El.	642				
Manufacturer, Model, Etc.						
SWEL. The space below each	document the results of of the following question	The Seismic Walkdown of an item ons may be used to record the resu is checklist for documenting other	ts of judgm			
Anchorage			Y	N		
Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?				X		
	• •	ion)? Pipe supports located before and				
			Y	N	U	N/A
2. Is the anchorage free of ben	t, broken, missing or lo	ose hardware?				X
			V	NI	11	N/A
3. Is the anchorage free of cor	rosion that is more than	mild surface	<u> </u>	N	U	X
oxidation?						
		ŗ	Y	N	U	N/A
4. Is the anchorage free of visi	ible cracks in the concre	ete near the anchors?				X
			Y	N	U	N/A
5. Is the anchorage configurat (Note: This question only a which an anchorage config	pplies if the item is one	of the 50% for		1_		X
6. Based on the above anchora potentially adverse seismic	•	nchorage free of	Y X	N	U	



Seismic Walkdo	wn Checklist (SWC)		Status:	\odot	N	U
	o. 1C41F0001A Equip. Class 8A. Motor-Operated Va	lves				
Equipment Descr	iption Motor Valve				_	
Interaction Effec	cts		V	N	_ I I	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?		X	N	U	IN/A
	equipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
and masonry bl	ock walls not likely to collapse onto the equipment?				**	27/4
	. Do attached lines have adequate flexibility to avoid damage? ttached piping is rigidly supported and attached conduits were found with adequate		Y X	N	<u>U</u>	N/A
	above seismic interaction evaluations, is equipment free	•	Y	N	U	
	adverse seismic interaction effects?			-	· 	
Other Adverse C			N.		~	
•	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U	
Comments (Add	itional pages may be added as necessary)			···	-	
	adde Maria !!					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Enfell					
	Brian A. Lucarelli	Date:	8/26/2	012_		



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1C41F0001A Equip. Class 8A. Motor-Operated Valves

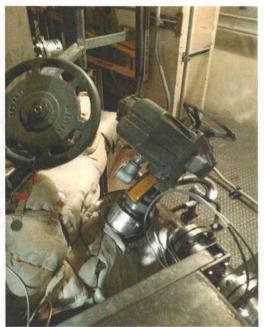
Equipment Description

Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-12.jpeg Description: Component Plate ID



File Name: 2-62-2-4-12.jpeg



Seismic Walkdown	n Checklist (SW	/C)		Status:	W	N	U
Equipment ID No.	1C41F0029A	Equip. Class	7. Pneumatic-Operated Valv	es			
Equipment Descrip	tion Reli	ef Valve					•
Location: Bldg.	CO	Floor El.	642				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to docur below each of the	ment the results of e following questi	f the Seismic Walkdown of an ons may be used to record the his checklist for documenting of	results of judgm			
Anchorage				Y	N		
of the 50% of SV	WEL items requi	ring such verificat	d (i.e., is the item one tion)? very well supported.		X		
2. Is the anchorage	free of bent, bro	ken, missing or lo	oose hardware?	Y	N	U	N/A X
3. Is the anchorage	free of corrosion	n that is more than	ı mild surface	Y	N	U	N/A X
oxidation?							
4 Is the anchorage	free of visible o	racks in the concr	ete near the anchors?	Y	N	U	N/A X
4. 13 the unonorage	nee of visione en	deks in the conciv	the mean the anomors.	L		<u></u>	
5. Is the anchorage	configuration co	onsistent with nlar	nt documentation?	Y	N	U	N/A X
(Note: This ques	tion only applies	s if the item is one on verification is	of the 50% for	<u> </u>	· · · · · · · · · · · · · · · · · · ·		
6. Based on the abordentially adve	ove anchorage everse seismic cond		unchorage free of	Y	N	U]



Seismic Walkdov	vn Checklist (SWC)	Status:	W	N	U
Equipment ID No	. <u>1C41F002</u> 9A Equip. Class 7. Pneumatic-Operated Valves				
Equipment Descri	ption Relief Valve				
Interaction Effec	ts	N/	NI	11	NI/A
7. Are soft targets	free from impact by nearby equipment or structures?	Y	N	U	N/A
		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	X			
		Y	N	U_	N/A
	es have adequate flexibility to avoid damage? rigidly supported and attached conduits were found with adequate	X			
		Y	N_	U]
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?				l
Other Adverse C 11. Have you look	Conditions seed for and found no other seismic conditions that could	Y	N	U_	-
adversely affect	et the safety functions of the equipment?	X			
Comments (Add	tional pages may be added as necessary)			-	
	addie Mahra IV				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	-	
	Enfell				
	Brian A. Lucarelli Date:	8/26/2	2012	-	



Seismic Walkdown Checklist (SWC)

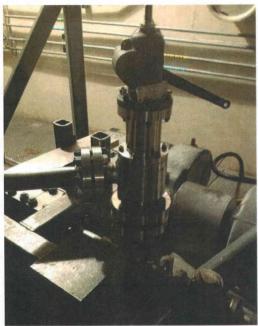
Equipment ID No. 1C41F0029A Equip. Class 7. Pneumatic-Operated Valves

Equipment Description Relief Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-12.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-12.jpeg



Seismic Walkdown	n Checklist (SWC	C)		Status:	Ø	N	U
Equipment ID No.	1E12B0001B	Equip. Class	21. Tanks and Heat Exchanger	s			
Equipment Descrip	tion RHR	Heat Exchanger					
Location: Bldg.	AX	Floor El.	599				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to documbelow each of the	ent the results of following questi	the Seismic Walkdown of an ite ons may be used to record the re is checklist for documenting oth	sults of judgm			
Anchorage				Y	N		
	configuration ver WEL items requiri		d (i.e., is the item one cion)?	X			
•			m. 12 total 2 3/4" diam anchors. port identified at El. 615.				
2. Is the anchorage	free of bent, brok	en, missing or lo	oose hardware?	Y	N	U	N/A
3. Is the anchorage	free of corrosion	that is more than	mild surface	Y	N	U	N/A
oxidation?				v	N	U	N/A
4. Is the anchorage	free of visible cra	acks in the concr	ete near the anchors?	Y	IN I		IN/A
5. Is the anchorage	configuration co	scictent with plan	at documentation?	Y	N	U	N/A
(Note: This ques	stion only applies orage configuration	if the item is one n verification is	of the 50% for required.)				
6. Based on the abo	ove anchorage ev	aluations is the a	nchorage free of	Y	N_	U	1
	erse seismic condi		monorage nee or				1



C.:: Wallada.	Charles (CWC)		Status:	Ø	N	U
Seismic Walkdov	vn Checklist (SWC)					
Equipment ID No	Equip. Class 21. Tanks and Heat E	xchangers				
Equipment Descri	ption RHR Heat Exchanger					
Interaction Effec	ts					
7. Are soft targets	free from impact by nearby equipment or structures?		Y X	N	U	N/A
8. Are overhead e	quipment, distribution systems, ceiling tiles and lighting,		Y	N_	U	N/A
	ock walls not likely to collapse onto the equipment?					
			Y	N	U	N/A
	es have adequate flexibility to avoid damage? Trigidly supported and attached conduits were found with a	adequate	X			
			Y	N	U	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X			
200					_	
Other Adverse C	Conditions ked for and found no other seismic conditions that could		Y	N	U	
	ct the safety functions of the equipment?		X]
Comments (Add	itional pages may be added as necessary)	-			-	
	adde Mhrati					
Evaluated by:	Eddie M. Guerra	_Date:	8/26/2	012	_	
	Entfle					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



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Seismic Walkdown Checklist (SWC)

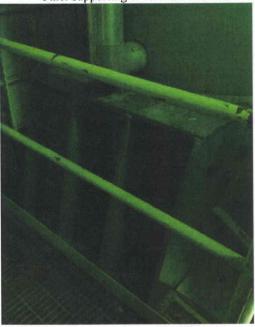
Equipment ID No. 1E12B0001B

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

RHR Heat Exchanger

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-20.jpeg

Description: Anchorage view of component



File Name: 2-62-1-4-20.jpeg

Description: View of anchorage detail of component



Seismic Walkdown Checklis	t (SWC)		5	tatus:	Œ	IN	U
Equipment ID No. <u>1E12B00</u>	001D Equip. C	lass 21. Tanks and Heat	Exchangers				
Equipment Description	RHR Heat Excha	anger Plug					
Location: Bldg. AX	Floor El.	599					
Manufacturer, Model, Etc.			_				
Instructions for Completing This checklist may be used to SWEL. The space below each findings. Additional space is p	document the result of the following quantum distributions are seen as the contract of the con	uestions may be used to re-	cord the results of	judgm			
Anchorage			,	v	N		
1. Is the anchorage configurat of the 50% of SWEL items	-	-		Y X	N		
Very tall vertical Heat Ex. Hu 3 anchors located on 4 opposi		v					
2. Is the anchorage free of ber	nt, broken, missing	or loose hardware?		Y X	N	<u>U</u>	N/A
<u> </u>	3			•			
3. Is the anchorage free of coroxidation?	rosion that is more	than mild surface		Y X	N 	U	N/A
			,	Y	N	U	N/A
4. Is the anchorage free of vis	ible cracks in the co	oncrete near the anchors?		X			
				Y	N	U	N/A
5. Is the anchorage configurat (Note: This question only a which an anchorage confi Anchorage configuration con	applies if the item is guration verification	s one of the 50% for on is required.)	<u> </u>	X	1		
6. Based on the above anchor potentially adverse seismic	•	the anchorage free of		Y X	N	U	



Seismic Walkdov	wn Checklist (SWC)		Status:	\bigcirc	N	U
Equipment ID No	o. <u>1E12B000</u> 1D Equip. Class 21. Tanks and Heat Exc	changers				
Equipment Descr	iption RHR Heat Exchanger Plug					
Interaction Effec	ets				-	
7. Are soft targets	s free from impact by nearby equipment or structures?		Y X	N	U_	N/A
8. Are overhead e	equipment, distribution systems, ceiling tiles and lighting,		Y	N	U_	N/A
	ock walls not likely to collapse onto the equipment?					
9. Do attached lin	nes have adequate flexibility to avoid damage?		Y	N	U	N/A
	s rigidly supported and attached conduits were found with ac	lequate				
	above seismic interaction evaluations, is equipment free		Y X	N	U	
of potentially	adverse seismic interaction effects?					
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U]
Comments (Add	itional pages may be added as necessary)				-	
	- detro Milhand V					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Entill					
	Brian A. Lucarelli	Date:	8/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12B0001D

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

RHR Heat Exchanger Plug

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-20.jpeg

Description: Anchorage view of component



File Name: 2-62-2-4-20.jpeg

Description: View of anchorage detail of component



	Status:	\odot	N	U
Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>1E12C000</u> 2B Equip. Class 6. Vertical Pump	os			
Equipment Description RHR Pump B				
Location: Bldg. AX Floor El. 574				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Wall SWEL. The space below each of the following questions may be used t findings. Additional space is provided at the end of this checklist for do	o record the results of judgm			
Anchorage	Y	N		
1. Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 24 total 2" anchors. No degradation identified for anchors and base place.	one X			
	<u> </u>	N	<u>U</u>	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
Oxidation:				
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the ancho	rs? X			
	Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration confirmed by Drawing 210005-00000_004	:			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y	N	U]



Seismic Walkdov	wn Checklist (SWC)		Status:	(A)	N	U
Equipment ID No	e. 1E12C0002B Equip. Class 6. Vertical Pumps					
Equipment Descr	iption RHR Pump B				· · · · · · · · · · · · · · · · · · ·	
Interaction Effec	ets					27/4
7. Are soft targets	free from impact by nearby equipment or structures?		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
and masonry bl	ock walls not likely to collapse onto the equipment?					
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with	adequate	Y	N	U	N/A
10. Based on the	above seismic interaction evaluations, is equipment free		Y	N	U	
of potentially	adverse seismic interaction effects?					
Other Adverse (-	
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U	
Comments (Add	itional pages may be added as necessary)		, was		-	
	-detro Man 19					
Evaluated by:	Eddie M. Guerra	_Date:	8/26/2	012	_	
	Entfl					
	Brian A. Lucarelli	_Date:	8/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B

Equip. Class 6. Vertical Pumps

Equipment Description

RHR Pump B

Other supporting or relevant documents and photos (if any):



File Name: 2-61-2-4-19.jpeg
Description: Component Plate ID



File Name: 2-62-2-4-19.jpeg



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12C0002B Equip. Class 6. Vertical Pumps

Equipment Description

RHR Pump B



File Name: 2-63-2-4-19.jpeg

Description: View of anchorage configuration



Seismic Walkdowi	n Checklist (SW	/C)		Status:	W	N	U
Equipment ID No.	1E12F0003B	Equip. Class	8A. Motor-Operated Valves	3			
Equipment Descrip	tion RH	R B HXS Outlet V	/alve				- -
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docur below each of the	ment the results of e following questi	The Seismic Walkdown of an ons may be used to record the is checklist for documenting	results of judgm		-	
Anchorage				Y	N		
of the 50% of SV	VEL items requi	ring such verificat			X]	
Large MOV with he	eavy yoke. Pipin	g identified with a	dequate support near valve.	V	N	T.T.	N/A
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?	Y	N	U	X
				Y	N	U_	N/A
3. Is the anchorage oxidation?	free of corrosion	n that is more than	mild surface				X
A Is the auchomose	for a freisible a	waalka ira 4h a aawaawa	ste ween the one hous?	Y	N	U	N/A
4. Is the anchorage	iree of visible c	racks in the concre	ete near the anchors?	<u></u>			Λ_{i}
6 Indianahan		anatar a talantan	4.14.4	Y	N	U_	N/A
	tion only applies	onsistent with plants if the item is one on verification is a	of the 50% for	. [/		X
6. Based on the aboreotentially adve	_		nchorage free of	Y	N	U]



Seismic Walkdov	wn Checklist (SWC)		Status:	Ø	N	U
Equipment ID No	e. <u>1E12F000</u> 3B Equip. Class 8A. Motor-Operated Va	alves				
Equipment Descri	iption RHR B HXS Outlet Valve				* · · · · · · · · · · · · · · · · · · ·	
Interaction Effec	ets				•	DT/A
7. Are soft targets	free from impact by nearby equipment or structures?		X	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting,		Y X	N	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?					
	Do attached lines have adequate flexibility to avoid damage? ttached piping is rigidly supported and attached conduits were found with adequate				U	N/A
10 Paged on the		Y	N	<u>U</u>	1	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		Α			ı
Other Adverse (Conditions ked for and found no other seismic conditions that could		Y	N	- U	
-	ct the safety functions of the equipment?		X]
Comments (Add	itional pages may be added as necessary)			-	-	
	addie M. Jonas i					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	_	
	Entfli					
	Brian A. Lucarelli	Date:	8/26/2	012	_	



Y

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E12F000</u>3B Equip. Class 8A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-19.jpeg

Description: View of valve location in main pipe line



File Name: 2-62-3-4-19.jpeg

Description: View of valve location in pipe main line



V

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E12F000</u>3B Equip. Class **8**A. Motor-Operated Valves

Equipment Description RHR B HXS Outlet Valve



File Name: 2-63-3-4-19.jpeg



Seismic Walkdowi	n Checklist (SW	C)		Status:	W	N	U
Equipment ID No.	1E12F0004B	Equip. Class	8A. Motor-Operated Valv	res			
Equipment Descrip	tion <u>Mot</u>	or Valve					- -
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	lel, Etc.						
SWEL. The space b	be used to docur below each of the	nent the results of following questi	the Seismic Walkdown of ons may be used to record t is checklist for documentin	he results of judgn	nents and		
Anchorage				Y	N		
	VEL items requir	ring such verificat			X]	
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?	Y	N	U	N/A X
3. Is the anchorage	free of corrosion	that is more than	mild surface	Y	N	U	N/A X
oxidation?	nee of corresion	that is more than	mind surface				
4. Is the anahorose	from af winible or	ooka in the consu	nto maan tha anahama?	Y	N	U	N/A X
4. Is the anchorage	iree of visible ci	acks in the concre	ete near the anchors?			<u> </u>	
5 Is the anchorage	configuration	ngistant with plan	t documentation?	Y	N	U	N/A X
	tion only applies	if the item is one on verification is i	of the 50% for			1	A
6. Based on the aboreout ally adve	ove anchorage ev		nchorage free of	Y	N	U]



Seismic Walkdo	wn Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No	o. <u>1E12F000</u> 4B Equip. Class 8A. Motor-Operated Valves				
Equipment Descr	iption Motor Valve				•
Interaction Effe	cts			•	24/4
7. Are soft targets	s free from impact by nearby equipment or structures?	Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y	N	U	N/A
9. Do attached lir	nes have adequate flexibility to avoid damage?	Y	N	U	N/A
	s rigidly supported and attached conduits were found with adequate				
	above seismic interaction evaluations, is equipment free	Y	N	U	
or potentially	adverse seismic interaction effects?				
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y	N	U U]
Comments (Add	itional pages may be added as necessary)			-	
	The Mhand				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	_	
	Enfl		·		
	Brian A. Lucarelli Date:	8/26/2	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E12F000</u>4B Equip. Class 8A. Motor-Operated Valves

Equipment Description

Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-4-4-19.jpeg

Description: View of valve location in main pipe line



File Name: 2-62-4-4-19.jpeg



Seismic Walkdow	n Checklist (SWC	C)		Status:	W	N	U
Equipment ID No.	1E12F0029B	Equip. Class	0D. Other-Check Valve or	Manual Valve			
Equipment Descrip	otion RHR	Pump B Manua	Disch. Shutoff Valve				- -
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	del, Etc.						
SWEL. The space	be used to documbelow each of the	ent the results of following questi	The Seismic Walkdown of an ons may be used to record the is checklist for documenting	e results of judgi	nents and		
Anchorage				Y	N		
	Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?				X		
	•	-	ndition and pipe line shows				
				Y	N	U	N/A
2. Is the anchorage	free of bent, broke	en, missing or lo	ose hardware?			l	X
				Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion t	that is more than	mild surface		<u> </u>		X
				Y	N	U	N/A
4. Is the anchorage	free of visible cra	cks in the concre	ete near the anchors?				X
				Y	N	U	N/A
	configuration con stion only applies i orage configuration	f the item is one	of the 50% for			<u> </u>	X
6. Based on the about potentially adve	ove anchorage eva		nchorage free of	Y	N	U]



Seismic Walkdo	wn Checklist (SWC)	Status:	Ø	N	U
Equipment ID No	o. <u>1E12F002</u> 9B Equip. Class 0D. Other-Check Valve or Man	ual Valve			
Equipment Descr	iption RHR Pump B Manual Disch. Shutoff Valve				-
Interaction Effe	ets			•	27/4
7. Are soft targets	s free from impact by nearby equipment or structures?	Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y	N	U	N/A
	nes have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with adequate	Y X	N	U	N/A
Attachea piping i. 10. Based on the	Y	N	U	1	
	adverse seismic interaction effects?				•
•	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y	N	U]
Comments (Add	itional pages may be added as necessary)			-	
	attent Whomas i				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	-	
	Entill				
	Brian A. Lucarelli Date:	8/26/2	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E12F002</u>9B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-19.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-19.jpeg



N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0029B Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description RHR Pump B Manual Disch. Shutoff Valve



File Name: 2-63-1-4-19.jpeg



Seismic Walkdown	n Checklist (SW	'C)		Status:	Ø	N	U
Equipment ID No.	1E12F0048B	Equip. Class	8A. Motor-Operated Valve	s			
Equipment Descrip	tion Mot	or Valve					
Location: Bldg.	AX	Floor El.	599				
Manufacturer, Mod	lel, Etc.						
SWEL. The space I	be used to docur	nent the results of e following questi	f the Seismic Walkdown of a ons may be used to record th his checklist for documenting	e results of judgm			
Anchorage				Y	N		
of the 50% of SV	WEL items requir	ring such verificat	d (i.e., is the item one ion)? 24"pipe line with adequate		X		
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?	Y	N	U	N/A X
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface	Y	N	U	N/A X
4. Is the anchorage	free of visible cr	acks in the concre	ete near the anchors?	Y	N	U	N/A X
5. Is the anchorage	configuration co	onsistent with plan	nt documentation?	Y	N	U	N/A X
		if the item is one on verification is					
6. Based on the abo	•		nchorage free of	Y	N	U]



Seismic Walkdov	wn Checklist (SWC)		Status:	W	N	U
Equipment ID No	e. <u>1E12F004</u> 8B Equip. Class 8A. Motor-Ope	erated Valves				
Equipment Descri	iption Motor Valve			1475-111		-
Interaction Effec	ets		3 7	N T	11	NI/A
_	free from impact by nearby equipment or structures away from a wall, judged no potential interaction.	?	Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and ligh	ting,	Y X	N	U	N/A
and masonry blo	ock walls not likely to collapse onto the equipment?					
	nes have adequate flexibility to avoid damage?	Y X	N	U	N/A	
	Attached piping is rigidly supported and attached conduits were found with adequate					1
	above seismic interaction evaluations, is equipment that adverse seismic interaction effects?	rree	X			J
Other Adverse C					-	
	ked for and found no other seismic conditions that co ct the safety functions of the equipment?	ould	Y X	N	U I]
Comments (Add	itional pages may be added as necessary)			· · · · · · · · · · · · · · · · · · ·	-	
	Tathe Month					
Evaluated by:	Eddie M. Guerra	8/26/2	012	-		
	Enfl					
	Brian A. Lucarelli	Date:	8/26/2	2012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-3-4-20.jpeg

Description: Scaffolding located in the area



File Name: 2-62-3-4-20.jpeg

Description: View of scaffolding in the area

U



Status:

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E12F0048B Equip. Class 8A. Motor-Operated Valves

Equipment Description

Motor Valve



File Name: 2-63-3-4-20.jpeg

Description: View of support condition for pipe line



Seismic Walkdown	n Checklist (SV	VC)		Status:	$ar{\mathbf{Y}}$	N	U
Equipment ID No.			6. Vertical Pumps				
Equipment Descrip	tion <u>LP</u> e	CS Motor Pump					
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	lel, Etc.						
SWEL. The space b	be used to docu below each of th	ment the results of e following questi	the Seismic Walkdown of a ons may be used to record this checklist for documenting	ne results of judgn	nents and	-	
Anchorage				Y	N		
of the 50% of SV	WEL items requi	iring such verificat	I (i.e., is the item one ion)? anchors and base plate.	X	11]	
				Y	N	U	N/A
2. Is the anchorage	free of bent, bro	oken, missing or lo	ose hardware?	X			
				Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosio	n that is more than	mild surface	X		<u> </u>	<u> </u>
				Y	N	U	N/A
4. Is the anchorage	free of visible of	racks in the concre	ete near the anchors?	X			
				Y	N	U	N/A
-	stion only applie orage configurat	s if the item is one ion verification is	of the 50% for required.)	X			
6. Based on the aboreout ally adve	-		nchorage free of	Y	N	U]



C			Status:	\bigcirc	N	U
Seismic Walkdov	wn Checklist (SWC)					
Equipment ID No	Equip. Class 6. Vertical Pumps					
Equipment Descr	iption LPCS Motor Pump					
Interaction Effec	ets		V	NI	ŤĬ	N I/A
7. Are soft targets	free from impact by nearby equipment or structures?		Y	N	U	N/A
0. 4 1 . 1			Y	N_	U	N/A
	e overhead equipment, distribution systems, ceiling tiles and lighting, masonry block walls not likely to collapse onto the equipment?		X			
0 Da attacked P	an have a decrease of anihilian to accord decrease 0		Y	N	U	N/A
	es have adequate flexibility to avoid damage? s rigidly supported and attached conduits were found with ac	lequate				
10 Rasad on the	above seismic interaction evaluations, is equipment free		Y	N	U	
	adverse seismic interaction effects?		<u> </u>			
Other Adverse (Conditions	* ***		<u> </u>	-	
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U	
Comments (Add	itional pages may be added as necessary)				-	
	- detro Meline I v					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	-	
	Enfli					
	Brjan A. Lucarelli	Date:	8/26/2	012		



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21C0001 Equip. Class 6. Vertical Pumps

Equipment Description LPCS Motor Pump

Other supporting or relevant documents and photos (if any):



File Name: 2-61-10-4-18.jpeg Description: Component Plate ID



File Name: 2-62-10-4-18.jpeg



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21C0001

Equip. Class 6. Vertical Pumps

Equipment Description

LPCS Motor Pump



File Name: 2-63-10-4-18.jpeg



	Status:	\bigcirc	N	U
Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>1E21F000</u> 1 Equip. Class 8A. Motor-Operate	d Valves			
Equipment Description Motor Valve				
Location: Bldg. AX Floor El. 574				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdo SWEL. The space below each of the following questions may be used to refindings. Additional space is provided at the end of this checklist for documents.	ecord the results of judgmen			
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)? MOV well supported.		X		
	Y	N	U	N/A X
2. Is the anchorage free of bent, broken, missing or loose hardware?	<u> </u>			Λ
	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?				X
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?				X
	Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	<u> </u>			X
	Y	N_	U	
6. Based on the above anchorage evaluations, is the anchorage free of	X			



Seismic Walkdow	n Checklist (SW	(C)			Status:	(A)	N	U
Equipment ID No.	<u>1E21F000</u> 1	Equip. Class	8A. Motor-Operated	Valves				
Equipment Descrip	otion <u>Mot</u>	or Valve						•
Interaction Effect	s				Y	N	U	N/A
7. Are soft targets the Nearby scaffolding	-				X	11	I.	IV/A
			ng tiles and lighting,		Y X	N	U	N/A
and masonry bloc	ck walls not likel	y to collapse onto	the equipment?		**	N.		21/4
9. Do attached line Attached piping is	•	•	damage? duits were found with	adequate	Y X	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free					Y	N	U	
of potentially ac	lverse seismic int	eraction effects?						
	ed for and found		onditions that could		Y	N	- U	1
		ons of the equipme		120-200	X		<u> </u>	
Comments (Addit	ional pages may t	oe added as necess	sary)					
	dillo	Ulfrat &						
Evaluated by:	Eddie M. Guer	ra		_Date:	8/26/2	012	-	
	En A	LU						
	Brian A. Lucar	relli		_Date:	8/26/2	012	_	



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I

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001

Equip. Class 8A. Motor-Operated Valves

Equipment Description

Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-8-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-8-4-18.jpeg



Seismic Walkdown Checklist (SWC)

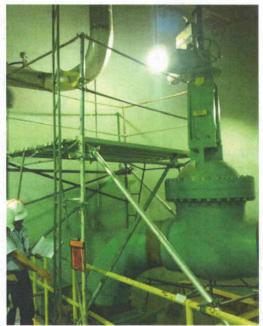
Equipment ID No. 1E21F0001 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve



File Name: 2-63-8-4-18.jpeg

Description: View of main pipe line run through shield building



File Name: 2-64-8-4-18.jpeg

Description: Scaffolding located in the area



U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21F0001

Equip. Class 8A. Motor-Operated Valves

Equipment Description

Motor Valve



File Name: 2-73-8-4-18.jpeg

Description: View vertical support for main line



File Name: 2-94-8-4-18.jpeg

Description: View of main pipe line support configuration



Seismic Walkdowi	n Checklist (SW)	C)		Status:	Ø	N	U
Equipment ID No.	1E21N0050	Equip. Class	18. Instrument (on) Racks				
Equipment Descrip	tion Press	sure Sensor					
Equipment Beserip	1103	sure Benson				_ _	
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docume below each of the	ent the results of following questi	The Seismic Walkdown of an ite ons may be used to record the results the checklist for documenting other	ults of judgm			
Anchorage				v	N		
_	configuration ver VEL items requir	-	I (i.e., is the item one ion)?	Y	N X		
			s to strut channels. Rack made of 14 - 1/2" diam anchor bolts.	r			
2. Is the anchorage	free of bent, brok	en, missing or lo	ose hardware?	Y	N	U_	N/A X
3. Is the anchorage	free of corrosion	that is more than	mild surface	Y	N	U	N/A X
oxidation?				V	N	17	NI/A
4. Is the anchorage	free of visible cra	acks in the concre	ete near the anchors?	Y	N T	U	N/A
5. Is the anchorage	configuration co.	eniatant vyith mlanna	t documentation?	Y	N	U	N/A X
(Note: This ques	tion only applies rage configuration	if the item is one	of the 50% for		L		Α
6. Based on the abore potentially adve	ove anchorage eva		nchorage free of	Y	N	U	



Seismic Walkdov	wn Checklist (SWC)		Status:	${\mathfrak V}$	N	U
Equipment ID No	b. <u>1E21N0050</u> Equip. Class 18. Instrument (on) Racl	ks				
Equipment Descri	iption Pressure Sensor					
Interaction Effec	ets		•	NI	11	NI/A
7. Are soft targets	s free from impact by nearby equipment or structures?		Y X	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		Y X	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? Attached piping is rigidly supported and attached conduits were found with adequate				N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?			YX	N	U	
-	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?		YX	N	U U	
Comments (Add	itional pages may be added as necessary)				.	
	addio Mhraf V					
Evaluated by:	Eddie M. Guerra	Date:	8/26/2	012	-	
	Brian A. Lucarelli	Date:	8/26/2	012	_	



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050

Equip. Class 18. Instrument (on) Racks

Equipment Description

Pressure Sensor

Other supporting or relevant documents and photos (if any):



File Name: 2-61-7-4-18.jpeg Description: Component Plate ID



File Name: 2-62-7-4-18.jpeg



N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050

Equip. Class 18. Instrument (on) Racks

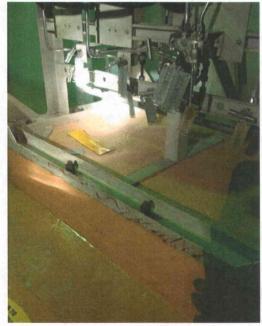
Equipment Description

Pressure Sensor



File Name: 2-63-7-4-18.jpeg

Description: General view of component rack



File Name: 2-64-7-4-18.jpeg

Description: Anchorage configuration for instrument rack



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E21N0050 Equip. Class 18. Instrument (on) Racks

Equipment Description Pressure Sensor



File Name: 2-73-7-4-18.jpeg

Description: View of top attached lines



Seismic Walkdow	n Checklist (SWC	C)		Stati	us: Y	N	U
Equipment ID No.	1E22B5003	Equip. Class	21. Tanks and Heat Excha	ngers			
Equipment Descrip	otion <u>Divis</u>	ion 3 D/G Lube	Oil Cooler				• •
Location: Bldg.	DG	Floor El.	620				
Manufacturer, Mod	del, Etc.		-				
SWEL. The space	be used to docume below each of the	ent the results of following questi	the Seismic Walkdown of a ons may be used to record this checklist for documenting	e results of ju	dgments and		
Anchorage				Y	N		
of the 50% of SV	WEL items requiri	ng such verificat	d (i.e., is the item one ion)? d. No degraded condition		X]	
2. Is the anchorage	free of bent, broke	en, missing or lo	ose hardware?	Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion t	hat is more than	mild surface	Y	N	U	N/A
4. Is the anchorage	free of visible cra	cks in the concre	ete near the anchors?	Y X	N	U	N/A
	stion only applies i	f the item is one	of the 50% for	Y	N	U	N/A X
6. Based on the abo	orage configuration ove anchorage eva erse seismic condit	luations, is the a		Y X	N	U]



Seismic Walkdo	wn Checklist (SWC)	Status:	W	N	U
Equipment ID No	o. <u>1E22B500</u> 3 Equip. Class 21. Tanks and Heat Exchangers				
Equipment Descr	iption Division 3 D/G Lube Oil Cooler				
Interaction Effe	cts				27/1
7. Are soft targets	s free from impact by nearby equipment or structures?	Y X	N	U	N/A
0 A		<u>Y</u> X	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	<u> </u>			
9 Do attached lin	nes have adequate flexibility to avoid damage?	<u>Y</u> X	N_	U	N/A
	s rigidly supported and attached conduits were found with adequate			<u> </u>	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?			N	U	
or potentially	adverse seisime interaction effects:				
-	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y X	N	U	I
Comments (Add	itional pages may be added as necessary)			-	
	Total Minute				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	-	
	Enfli				
	Brian A. Lucarelli Date:	8/26/2	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22B5003 Equip. Class 21. Tanks and Heat Exchangers

Equipment Description Division 3 D/G Lube Oil Cooler

Other supporting or relevant documents and photos (if any):



File Name: 2-61-13-4-08.jpeg
Description: Component Plate ID



File Name: 2-62-13-4-08.jpeg



Seismic Walkdown Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No. <u>1E22C000</u> 1 Equip. Class 6. Vertical Pump	S			
Equipment Description HPCS Motor Driven Pump				
Location: Bldg. AX Floor El. 574				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walk SWEL. The space below each of the following questions may be used to findings. Additional space is provided at the end of this checklist for do	record the results of judgm			
Anchorage	Y	N		
 Is the anchorage configuration verification required (i.e., is the item of the 50% of SWEL items requiring such verification)? 24 total 2 1/2" anchors. No degradation identified for anchors and base 	ne X			
	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			
	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	X			
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchor				X
	V	N		N/A
5. Is the anchorage configuration consistent with plant documentation?	<u>Y</u>	N	U	IVA
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Drawing 200039-00001_000 confirms anchorage configuration.				
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y	N	U .	



Seismic Walkdov	wn Checklist (SWC)	Status:	$ar{\mathbf{W}}$	N	U
Equipment ID No					
Equipment Descr	iption HPCS Motor Driven Pump				
Interaction Effe	ets			-	
7. Are soft targets	free from impact by nearby equipment or structures?	Y X	N	U	N/A
9 Are everband a	quinment distribution gratems, sailing tiles and lighting	Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting, cock walls not likely to collapse onto the equipment?	A			
9. Do attached lin	es have adequate flexibility to avoid damage?	Y	N	U	N/A
	s rigidly supported and attached conduits were found with adequate			•	
10 December 45	1	Y	N_	U	1
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	<u> </u>			
Other Adverse (100-		_	
-	ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y X	<u>N</u>	U	
Comments (Add	itional pages may be added as necessary)	***		_	
	added Maria I				
Evaluated by:	Eddie M. Guerra Date:	8/26/2	012	_	
	Enfl				
	Brian A. Lucarelli Date:	8/26/2	.012		



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump

Other supporting or relevant documents and photos (if any):



File Name: 2-61-14-4-18.jpeg
Description: Component Plate ID



File Name: 2-62-14-4-18.jpeg



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22C0001 Equip. Class 6. Vertical Pumps

Equipment Description HPCS Motor Driven Pump



File Name: 2-63-14-4-18.jpeg
Description: View of attached lines



File Name: 2-64-14-4-18.jpeg

Description: View of attached lines to component



Seismic Walkdown	n Checklist (SWC)		Status:	${\mathfrak A}$	N	U
Equipment ID No.	1E22F0004	Equip. Class	8A. Motor-Operated Valves				
Equipment Descrip	tion <u>N</u>	Motor Valve					- -
Location: Bldg.	AX	Floor El.	620				
Manufacturer, Mod	lel, Etc.	-					
SWEL. The space b	be used to do below each of	cument the results of the following question	The Seismic Walkdown of an ite ons may be used to record the re is checklist for documenting oth	sults of judgm			
Anchorage				V	N		
of the 50% of SV	VEL items red	quiring such verificat	l (i.e., is the item one ion)? ided condition identified.	Y	X		
2 Is the anchorage	from of hout 1	broken, missing or lo	ana handuunun ?	Y	N	U	N/A
2. Is the allehorage	nec or bent,	oroken, missing or io	ose naidwaie:		·		I
3 Is the anchorage	free of correc	sion that is more than	mild surface	Y	N	U	N/A
oxidation?	nee of corros	sion that is more than	mind surface				<u> </u>
				Y	N	U	N/A
4. Is the anchorage	free of visible	e cracks in the concre	ete near the anchors?	X	1		
				Y	N	U	N/A
(Note: This ques	tion only app	n consistent with plan lies if the item is one ration verification is r	of the 50% for	<u> </u>		····	<u>X</u>
6. Based on the aboreotentially adve		e evaluations, is the a	nchorage free of	Y	N	U]



Seismic Walkdov	vn Checklist	(SWC)						Sta	atus:	Ø	N	U
Equipment ID No	. <u>1E22F000</u>	04	Equip. Class	8A.	Motor-C	perated \	Valves					
Equipment Descri	ption	Motor V	alve								_	-
Interaction Effec	ts							v		N	IT	N/A
7. Are soft targets	free from im	pact by n	earby equip	ment o	r structur	res?		X		N	U	N/A
								Y	•	N	U	N/A
8. Are overhead eand masonry blo			-	_				X				
								•		N	II	N/A
9. Do attached lin	es have adequ	uate flexi	hility to avoi	id dam	age?			$\frac{Y}{X}$		N_	U	IN/A
Attached piping is flexibility.			•		•	ınd with d	adequate	L				
								<u> </u>		N	U	1
10. Based on the a of potentially a					equipmen	it free		X			<u> </u>	J
											_	
Other Adverse C 11. Have you look		ound no o	ther seismic	condit	tions that	could		Y	,	N	U	
adversely affect								X]
Comments (Addi	tional pages	may be a	dded as nece	ssary)							-	
		February 1	June 1									
Evaluated by:	Eddie M.	Guerra					_Date:		8/26/2	2012	_	
	Œ.	i A	Ü									
	Brian A.	Lucarelli					Date:		8/26/2	2012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0004 Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-1-4-10.jpeg
Description: Component Plate ID



File Name: 2-62-1-4-10.jpeg

U



Status:

Y

N

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0004

Equip. Class 8A. Motor-Operated Valves

Equipment Description

Motor Valve



File Name: 2-63-1-4-10.jpeg
Description: View of attached lines



File Name: 2-64-1-4-10.jpeg

Description: View of main line support configuration



Seismic Walkdowi	ı Checklist (SW	/C)			Status:	\mathfrak{A}	N	U
Equipment ID No.	1E22F0010	Equip. Class	8A. Motor-0	Operated Valves				
Equipment Descrip	tion Mot	or Operated Valv	/e					·
Location: Bldg.	AX	Floor El.	574					
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to docur below each of the	nent the results o e following quest	ions may be us	sed to record the res	ults of judgm			
Anchorage					v	NI		
1. Is the anchorage of the 50% of SV MOV mounted on 1	VEL items requir	ring such verifica	•	em one	Y	N X		
				_	Y	N	U	N/A
2. Is the anchorage	free of bent, bro	roken, missing or loose hardware?		X				
					Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	n mild surface		X			
					Y	N	U	N/A
4. Is the anchorage	free of visible cr	acks in the concr	ete near the an	chors?	X			
5. Is the anchorage	configuration co	onsistent with pla	nt documentati	on?	Y	N	U	N/A X
(Note: This ques	tion only applies	•	e of the 50% fo					•
6 Dagad - Al-			1	. C	Y	N	U	1
6. Based on the abo	-		ancnorage free	01	X			J



Seismic Walkdo	own Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID No					
Equipment Descri	ription Motor Operated Valve				
Interaction Effe	cts			_	
7. Are soft target	s free from impact by nearby equipment or structures?	X	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, lock walls not likely to collapse onto the equipment?	Y	N	U	N/A
	nes have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the	is rigidly supported and attached conduits were found with adequa- above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y X	N	U	
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	YX	N	- U	
Comments (Add	itional pages may be added as necessary)			_	
	Total Whomas I'm				
Evaluated by:	Eddie M. Guerra Date:	8/26/20	012	-	
	Enfll				
	Brian A. Lucarelli Date:	8/26/20	012		

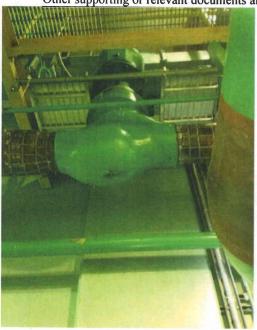


Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E22F0010</u> Equip. Class 8A. Motor-Operated Valves

Equipment Description Motor Operated Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-12-4-18.jpeg

Description: General view of component



File Name: 2-62-12-4-18.jpeg



Seismic Walkdowi	n Checklist (S	WC)		Status:	(Y)	N	U
Equipment ID No.	1E22F0024	Equip. Class	0D. Other-Check Valve or	Manual Valve			
Equipment Descrip	tion <u>Pu</u>	mp Disch. Check V	/alve				
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docu below each of the	ument the results of the following questi	the Seismic Walkdown of a cons may be used to record the checklist for documenting	ne results of judgm	nents and		
Anchorage				Y	N		
	. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?]	
	-24" pipe line s		ion)? des of valve by wall anchore	ed			
	C	of bent, broken, missing or loose hardware?		Y	N	U	N/A
2. Is the anchorage	free of bent, br						X
3. Is the anchorage	free of corrosic	on that is more than	mild surface	Y	N	U	N/A X
oxidation? Slight corrosion ide	ntified but judg	ged not significant.					
4. Is the anchorage	free of visible o	cracks in the concre	ete near the anchors?	Y	N	U	N/A X
				Y	N	U	N/A
	ion only applie	onsistent with plan es if the item is one ion verification is n	of the 50% for				X
6. Based on the abo potentially adver			nchorage free of	Y X	N	U	



Seismic Walkdo	wn Checklist (SWC)		Status:	(Y)	N	U
Equipment ID No	D. <u>1E22F002</u> 4 Equip. Class 0D. Other-Check Valve	or Manı	ıal Valve			
Equipment Descr	iption Pump Disch. Check Valve					• .
Interaction Effe	cts				•	
7. Are soft target	s free from impact by nearby equipment or structures?		Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		Y	N	U	N/A
	nes have adequate flexibility to avoid damage? 's rigidly supported and attached conduits were found with ad	'equate	Y X	N	U	N/A
10. Based on the of potentially		Y	N	U		
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y X	N	U	
Comments (Add	itional pages may be added as necessary)		· · · · · · · · · · · · · · · · · · ·			
	addre Minate					
Evaluated by:	Eddie M. Guerra	Date:	8/26/20	012		
	Enfell					
	Brian A. Lucarelli	Date:	8/26/20	012		

U



Status:

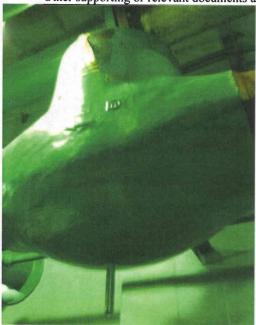
N

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024 Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description Pump Disch. Check Valve

Other supporting or relevant documents and photos (if any):



File Name: 2-61-13-4-18.jpeg

Description: Close up view of component



File Name: 2-62-13-4-18.jpeg



(Y)

N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22F0024

Equip. Class 0D. Other-Check Valve or Manual Valve

Equipment Description

Pump Disch. Check Valve



File Name: 2-63-13-4-18.jpeg

Description: View of pipe line lateral supports



Seismic Walkdowi	n Checklist (SW	/C)		Status:	\odot	N	U
Equipment ID No.	1E22N0005	Equip. Class	18. Instrument (on) Racks				
Equipment Descrip	tion Flo	w Transmitter					- -
Location: Bldg.	AX	Floor El.	574				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to docur below each of the	nent the results of e following questi	The Seismic Walkdown of an ons may be used to record the is checklist for documenting o	results of judgm			
Anchorage							
1. Is the anchorage	configuration ve	rification required	I (i.e., is the item one	Y	$\frac{N}{X}$		
of the 50% of SW	VEL items requir	ring such verificat	` '				
				Y	N	U	N/A
2. Is the anchorage	free of bent, bro	ken, missing or lo	g or loose hardware?				
				Y	N	U	N/A
3. Is the anchorage	free of corrosion	that is more than	mild surface	X			
oxidation? No significant corre	osion identified.						
4. Is the anchorage:	free of visible cr	acks in the concre	te near the anchors?	Y	N	U	N/A
				Y	N	U	N/A
	ion only applies	nsistent with plan if the item is one on verification is r	of the 50% for			-	X
				Y	N	U	1
Based on the abor potentially adver			nchorage free of	X			j



Seismic Walkdo	own Checklist (SWC)	Status:	$ \mathfrak{V} $	N	U
Equipment ID N	o. 1E22N0005 Equip. Class 18. Instrument (on) Racks				
Equipment Desc	ription Flow Transmitter				
Interaction Effe	cts			_	
7. Are soft target	s free from impact by nearby equipment or structures?	Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, lock walls not likely to collapse onto the equipment?	Y	N	U	N/A
	nes have adequate flexibility to avoid damage? is rigidly supported and attached conduits were found with adequate	Y	N	U	N/A
10. Based on the	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U	
Other Adverse (Conditions ked for and found no other seismic conditions that could	Y	N	- U	
adversely affe	ct the safety functions of the equipment?	X			
Comments (Add	itional pages may be added as necessary)			-	
	addie Mohna IV				
Evaluated by:	Eddie M. Guerra Date:	8/26/20	012	-	
	En All				
	Brian A. Lucarelli Date:	8/26/20	012		



(Y)

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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22N0005

Equip. Class 18. Instrument (on) Racks

Equipment Description

Flow Transmitter

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-18.jpeg Description: Component Plate ID



File Name: 2-62-5-4-18.jpeg



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E22N0005</u> Equip. Class 18. Instrument (on) Racks

Equipment Description Flow Transmitter



File Name: 2-63-5-4-18.jpeg

Description: View of component anchorage configuration



File Name: 2-64-5-4-18.jpeg

Description: View of attached small lines



Saigmin Walledown Charliet (SWC)	Status:	\bigcirc	N	U
Seismic Walkdown Checklist (SWC)				
Equipment ID No. <u>1E22S000</u> 1 Equip. Class 17. Engine Generators				
Equipment Description <u>Division 3 HPCS Diesel Generator</u>				
Location: Bldg. DG Floor El. 620				
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an it SWEL. The space below each of the following questions may be used to record the re findings. Additional space is provided at the end of this checklist for documenting of	esults of judgm	nt on the ents and		
Anchorage				
1. Is the anchorage configuration verification required (i.e., is the item one	Y	N		
of the 50% of SWEL items requiring such verification)? Diesel generator anchored to concrete pad with 34 1 1/2" anchor bolts.				
	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware?	X			11/A
3. Is the anchorage free of corrosion that is more than mild surface	Y	N	U	N/A
oxidation?				,
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	X			
All anchors inspected and no cracks were identified.				
	Y	N	U	N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Drawing 417-0067, Foundation Plan "B" confirms anchorage configuration.	X			
Eraning 117 0007, 1 variation 1 tan B confirms anchorage configuration.				
6. Based on the above anchorage evaluations, is the anchorage free of	Y	N	U	
potentially adverse seismic conditions?	A			



Seismic Walkdo	own Checklist (SWC)	Status:	\bigcirc	N	U
Equipment ID N					
Equipment Desc					
Interaction Effe	ects			_	
7. Are soft target	s free from impact by nearby equipment or structures?	Y	N	U	N/A
8. Are overhead and masonry bl	equipment, distribution systems, ceiling tiles and lighting, lock walls not likely to collapse onto the equipment?	Y	N	U	N/A
	nes have adequate flexibility to avoid damage? is rigidly supported and attached conduits were found with adequate	Y	N	U	N/A
10. Based on the	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y X	N	U	
Other Adverse (11. Have you loo adversely affe	Conditions ked for and found no other seismic conditions that could could the safety functions of the equipment?	Y X	N	u	
Comments (Add	itional pages may be added as necessary)			-	
	The Mhandi				
Evaluated by:	Eddie M. Guerra Date:	8/26/20	012		
	Entfl				
	Brian A. Lucarelli Date:	8/26/20	12		



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Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0001

Equip. Class 17. Engine Generators

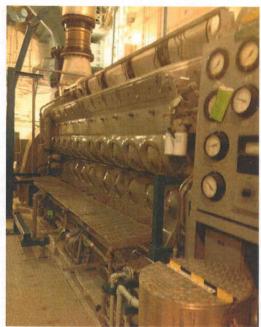
Equipment Description

Division 3 HPCS Diesel Generator

Other supporting or relevant documents and photos (if any):



File Name: 2-61-12-4-08.jpeg Description: Component Plate ID



File Name: 2-62-12-4-08.jpeg



Y

N

U

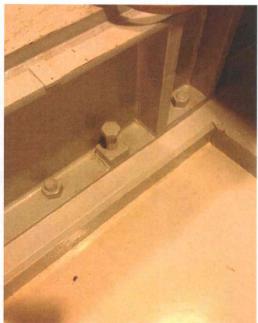
Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E22S0001</u> Equip. Class 17. Engine Generators

Equipment Description Division 3 HPCS Diesel Generator



File Name: 2-63-12-4-08.jpeg Description: View of top conduits



File Name: 2-64-12-4-08.jpeg Description: View of mounting base



Seismic Walkdown	n Checklist ((SWC)		Status:	\bigcirc	N	U
Scisific Walkdown	ii Checklist ((SWC)					
Equipment ID No.	1E22S000	5 Equip. Class	15. Battery Racks				
Equipment Descrip	tion	Unit 1 Div 3 Battery	Addition to the second				-
Location: Bldg.	CC	Floor El.	620				
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to do below each or	ocument the results of the following question	the Seismic Walkdown of a cons may be used to record the is checklist for documenting	ne results of judgm	ent on the ents and		
Anchorage							
1. Is the anchorage	configuration	n verification required	(i.e. is the item one	Y	$\frac{N}{}$		
		quiring such verificat		Λ			
	t is anchored		ames welded to embedment schors. Each frame welded w				
				Y	N	U	N/A
		broken, missing or loo		X			
·	0 ,						
2 In the analysis	£ C	· a · · · a		Y	N	U	N/A
oxidation?	iree of corros	sion that is more than	mild surface	X	1		
Anchorage inspecte	ed and no cor	rosion identified					
				37	> 7	* *	NT/ A
4. Is the anchorage	free of visible	e cracks in the concre	te near the anchors?	X	$\frac{N}{1}$	U	N/A
S			to their the unemons.			· · · · · · · · · · · · · · · · · · ·	<u> </u>
				•	2.7	* *	NT/A
5. Is the anchorage	configuration	consistent with plant	documentation?	X	N	U	N/A
		lies if the item is one		12			
		ration verification is re					
Calculation 40./1 C	onjirms well	ling and anchor bolt o	conjiguration.				
				Y	N	U	
6. Based on the abore potentially adver		e evaluations, is the are onditions?	chorage free of	X			



Seismic Walkdo	own Checklist (SWC)	Status:	$ \mathfrak{V} $	N	U
Equipment ID No	o. <u>1E22S000</u> 5 Equip. Class 15. Battery Racks				
Equipment Descr	ription Unit 1 Div 3 Battery				
Interaction Effe	ects			_	
7. Are soft target	s free from impact by nearby equipment or structures?	Y	N	U	N/A
8. Are overhead	equipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
	lock walls not likely to collapse onto the equipment?	<u> </u>			
	nes have adequate flexibility to avoid damage? is rigidly supported and attached conduits were found with adequa	Y X	N	U	N/A
	Y X	N	U		
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	A		.	
Other Adverse (-	
	ked for and found no other seismic conditions that could ect the safety functions of the equipment?	X	N	U	
Comments (Add	itional pages may be added as necessary)			-	
	- detro Milmand V				
Evaluated by:	Eddie M. Guerra Date:	8/26/20)12	-	
	Entfli				
	Brian A. Lucarelli Date:	8/26/20	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>1E22S0005</u> Equip. Class 15. Battery Racks

Equipment Description Unit 1 Div 3 Battery

Other supporting or relevant documents and photos (if any):



File Name: 2-61-5-4-06.jpeg
Description: Component Plate ID



File Name: 2-62-5-4-06.jpeg



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N

U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1E22S0005

Equip. Class 15. Battery Racks

Equipment Description

Unit 1 Div 3 Battery



File Name: 2-63-5-4-06.jpeg

Description: View of component base detail



File Name: 2-64-5-4-06.jpeg

Description: View of component base detail