APPENDIX B SEISMIC WALKDOWN CHECKLISTS (SWCs)



Status(Y)N U

Equipment ID No. 2N	Equip. Class	15. Battery Racks					
Equipment Description	BATTERY 2N						- -
Location: Bldg. AUX	XB Floor El.	603	Room	428A			
Manufacturer, Model, Etc)		-				
SWEL. The space below	eting Checklist and to document the results of each of the following questi e is provided at the end of the	ons may be used to re	cord the r	esults of judge	nents and		
Anchorage							
1.7.1		17.		Y	N		
of the 50% of SWEL it	guration verification required tems requiring such verificat of single tier/two row brace	tion)?		X			
				Y	N	U	N/A
2. Is the anchorage free of	f bent, broken, missing or lo	ose hardware?		X			1 1///
	verified and no significant d		ntified.		<u> </u>		
				Y	N	U	N/A
3. Is the anchorage free of oxidation?	f corrosion that is more than	mild surface		X			
Anchorage inspected and	no corrosion identified.						
				Y	N	U	N/A
4. Is the anchorage free of	f visible cracks in the concre	ete near the anchors?		X		<u>~</u>	
3							
				Y	N	U	N/A
5. Is the anchorage config	guration consistent with plar	it documentation?		X			
(Note: This question or which an anchorage of Drawings C-752 (Section	only applies if the item is one onfiguration verification is a B) and E-854Q-115-1 iden the field during walkdown in	of the 50% for required.) tify the configuration	as four ca	ast in place bol	ts per row		
				Y	N	U	1
6. Based on the above and potentially adverse sei	chorage evaluations, is the a smic conditions?	nchorage free of		X	<u> </u>]



Status (Y)N U

Equipment ID No. 2N	Equip. Class 15. Battery Racks					
Equipment Description BA	TTERY 2N					
Interaction Effects			Y	N	U	N/A
	t by nearby equipment or structures?		X			
Nearby wooden platform identified		7.	i 			
During inspection it was verified in	n control process that scaffold is within	working p		N	U	N/A
8 Are overhead equipment distrib	ution systems, ceiling tiles and lighting,		X	<u>N</u>		11//
• •	ely to collapse onto the equipment?				<u> </u>	
Seismic capacity of block walls in						
Block walls 4016 and 4026 verified	_					
based on ref. VBW20-B001-100, R						
,			Y	N	U	N/A
9. Do attached lines have adequate	flexibility to avoid damage?		X			
			Y	N	U	1
	eraction evaluations, is equipment free		X			
of potentially adverse seismic in	nteraction effects?					
Other Adverse Conditions 11. Have you looked for and found	I no other seismic conditions that could		Y	N	U	
adversely affect the safety func			X			
Comments (Additional pages may	be added as necessary)				-	
	~ ; <i>d</i>					
Evaluated by: Eddie M. Gu	erra	_Date:	7/25/2012		-	
	May Define	_Date:	7/25/2012		-	
Adam L. Hel	ffrich					

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2N

Equip. Class 15. Battery Racks

Equipment Description

BATTERY 2N



2N plate ID Plate of component



2N general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. 2N

Equip. Class 15. Battery Racks

Equipment Description

BATTERY 2N



2N Anchorage Partial view of anchorage, view is typical of all anchors



2N Masonry Wall
Potential interaction hazard from masonry wall near unit

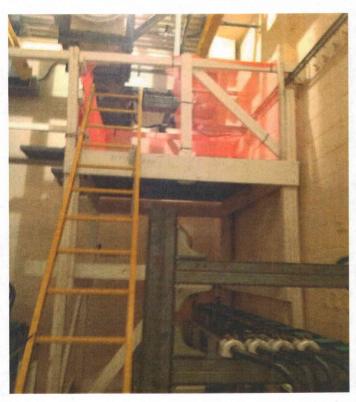


Seismic Walkdown Checklist (SWC)

Equipment ID No. 2N Equip. Class 15. Battery Racks

Equipment Description

BATTERY 2N



2N wood platform Wood platform erected above battery



Equipment ID No.	<u>2P</u>	Equip. Class	15. Battery Rack	s				
Equipment Descript	tion B	ATTERY 2P		<u></u>				•
Location: Bldg.	AUXB	Floor El.	603	Room	428A			
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space t findings. Additiona	be used to doc below each of t	ument the results of the following questi	ons may be used to	record the	results of judg	gments and		
Anchorage					V	N		
1. Is the anchorage	configuration	verification required	d (i.e., is the item o	ne	$\begin{array}{c c} Y \\ \hline X \end{array}$	N		
_	VEL items requested in visits of single	uiring such verificat	tion)?					21/4
2 Is the anchorage	free of bent b	malean missing on la	ogo hordwara?		$\begin{bmatrix} \mathbf{Y} \\ \mathbf{X} \end{bmatrix}$	N	U	N/A
2. Is the anchorage Rack to floor ancho				identified.				<u> </u>
					Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosi	on that is more than	mild surface		X			
Anchorage inspecte	ed and no corr	osion identified.						
					Y	N	U	N/A
4. Is the anchorage	free of visible	cracks in the concre	ete near the anchor	s?	X			
					Y	N	U	N/A
•	tion only appli rage configura	es if the item is one ation verification is	of the 50% for required.)	as four	X			
cast in place bolts j					V	N	U	
inspection.6. Based on the about	ove anchorage	evaluations, is the a	inchorage free of		X	N		1
potentially adve						<u> </u>		_



Equipment ID No	b. <u>2P</u> Equip. Class 15. Battery Racks				
Equipment Descr	iption BATTERY 2P				
Interaction Effec		Y	N	U	N/A
_	s free from impact by nearby equipment or structures?	X			
	latform identified as a seismic concern.				
During inspection	n it was verified in control process that scaffold is within working				.
		Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting,	X		L	
-	ock walls not likely to collapse onto the equipment?				
	of block walls in the area verified.				
	and 4026 verified to be to be seismically adequate	V	NI	11	NI/A
•	W20-B001-100, Rev 14 (12/6/88).	$\begin{array}{c c} Y \\ \hline X \end{array}$	N	<u> U</u>	N/A
9. Do attached lin	es have adequate flexibility to avoid damage?	X		L .	
		Y	N	U	
10 Rased on the	above seismic interaction evaluations, is equipment free	X			
	adverse seismic interaction evaluations, is equipment free	Α			
or potentially t	and the selection of th				
				-	
Other Adverse C				**	
•	ked for and found no other seismic conditions that could	Y	N	U	
adversely after	ct the safety functions of the equipment?	X			
Comments (Addi	itional pages may be added as necessary)			-	
	in the second second				
	The MA SH				
Evaluated by:	Date:	7/25/2012		_	
	Eddie M. Guerra				
	Chang Delling Date:				
		7/25/2012		-	
	Adam L. Helffrich				



Main line supports showed adequate condition and no missing parts.

Status: YN U

Equipment ID No.	<u>AF19</u>	Equip. Class	0d. Other - check	k/manual va	alve			
Equipment Descrip	tion <u>CH</u>	ECK VALVE AF	19					
Location: Bldg.	AUXB	Floor El.	565	Room	237	-		
Manufacturer, Mod	el, Etc.						_	
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to docu below each of th	ment the results of e following quest	ons may be used to	o record the	e results of jud	lgments an		
Anchorage					V	N		
1. Is the anchorage	configuration ve	erification require	d (i.e., is the item o	one	Y	$\frac{N}{X}$	1	
_	VEL items requi	iring such verifica						
					Y	N	U_	N/A
2. Is the anchorage <i>Main line supports</i>								X
					Y	N	U	N/A
3. Is the anchorage	free of corrosio	n that is more than	n mild surface					X
oxidation?								
					Y	N	U_	N/A
4. Is the anchorage	free of visible c	racks in the concr	ete near the anchor	rs?		<u>L</u>		X
5 Is the anchorage	andiquestion a	angistant with play	nt documentation?		Y	T N	U T	$\frac{N/A}{X}$
_	tion only applie	onsistent with plans if the item is one ion verification is	of the 50% for		L	1	1	
					Y	N	U	
6. Based on the abo	ove anchorage e	valuations, is the a	inchorage free of		X]
potentially adve	rse seismic cond	ditions?						



Equipment ID No.	AF19 Equip. Class 0d. Other - check/ma	nual valv	ve			
Equipment Descrip	ption CHECK VALVE AF 19					
Interaction Effect	ts free from impact by nearby equipment or structures?		Y	N	U	N/A
7. Are soft targets	nee from impact by hearby equipment of structures:		<u> </u>			
8. Are overhead ec	quipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
	ck walls not likely to collapse onto the equipment?					
			Y	N	U	N/A
9. Do attached line	es have adequate flexibility to avoid damage?		X	·····		
10. Pasad on the a	above seismic interaction evaluations, is equipment free		Y	N	U	
	dverse seismic interaction effects?		Α		<u></u>	
•	conditions sed for and found no other seismic conditions that could to the safety functions of the equipment?		Y	N	U	
Comments (Addit	tional pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Adam L. Helffrich	Date:	7/25/2012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. AF19

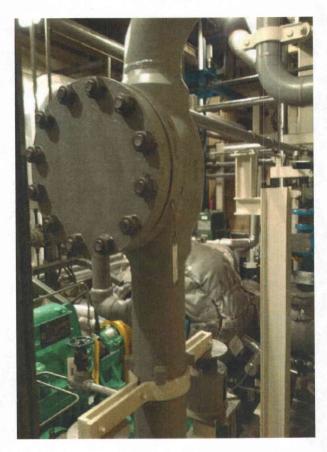
Equip. Class 0d. Other - check/manual valve

Equipment Description

CHECK VALVE AF 19



AF19 Plate
ID Plate of component



AF19 General General view of component



Equipment ID No.	AF608	Equip. Class	8A. Motor-Opera	ited Valves				
Equipment Descrip	tion A	UX FEED TO STE	AM GEN 1-1 LINI	E STOP VL	V			
Location: Bldg.	AUXB	Floor El.	585	Room	303			
Manufacturer, Mod	el, Etc.							
Instructions for C This checklist may SWEL. The space I findings. Additiona	be used to doc below each of t	ument the results of he following questi	ons may be used to	record the	results of jud	gments and		
Anchorage					v	N		
1. Is the anchorage	configuration	verification required	d (ie is the item o	ne	Y	N X	1	
	VEL items requ	uiring such verificat		ne			I	
					Y	N	U	N/A_
2. Is the anchorage	free of bent, b	roken, missing or lo	oose hardware?					X
					Y	N	U_	N/A
3. Is the anchorage oxidation?	free of corrosi	on that is more than	mild surface					X
Oxidation.								
					Y	N	U	N/A
4. Is the anchorage	free of visible	cracks in the concre	ete near the anchor	s?				X
					Y	N	U	N/A
•	tion only appli	consistent with plar es if the item is one tion verification is	of the 50% for					X
					Y	N	U	-
6. Based on the abo	_		inchorage free of		X		<u> </u>	J



Equipment ID No	AF608	Equip. Class	8A. Motor-Ope	rated Valves				
Equipment Descr	iption	AUX FEED TO STEA	M GEN 1-1 LIN	NE STOP VLV	7			
Interaction Effec	ets				Y	N	U	N/A
		mpact by nearby equipme	ent or structures?	•	X			
					Y	N	U	N/A
		istribution systems, ceilir t likely to collapse onto t	-	ing,	X			<u> </u>
					Y	N	U	N/A
		quate flexibility to avoid	•		X			
The effect of seism	nic different	ding from Auxiliary Buila ial displacement between erified from Calc No.1B l	the Auxiliary B	-	: Shield			
3 1	1 0	<i>y</i>	,	,	Y	N	U	•
		ic interaction evaluations mic interaction effects?	, is equipment fi	ree	X			
Other Adverse C		found no other seismic co	anditions that as	old.	Y	N	- U	
-		functions of the equipme		uiu	X	11		
· · · · · · · · · · · · · · · · · · ·		rancorons or one equipme						
Comments (Add	itional page:	s may be added as necessar	ary)				-	
Evaluated by:	Eddia N	Addre M. M. M. Guerra	helt	Date:	7/25/2012		-	
	Eddle N	i. Guerra Ibwy/Dily	Brus -	Date:	7/25/2012			
	Adam I	Helffrich					-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. AF608

Equip. Class 8A. Motor-Operated Valves

Equipment Description

AUX FEED TO STEAM GEN 1-1 LINE STOP VLV



AF608 plate
ID Plate of component



AF608 general General view of component



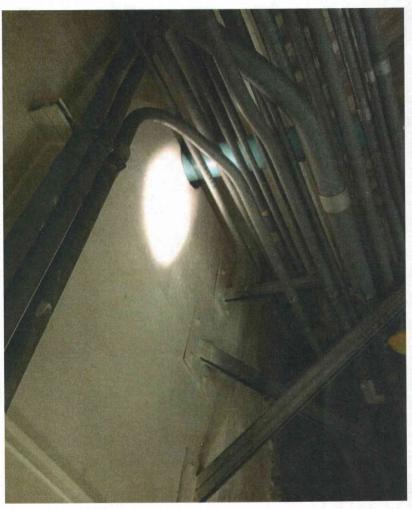
Seismic Walkdown Checklist (SWC)

Equipment ID No. AF608

Equip. Class 8A. Motor-Operated Valves

Equipment Description

AUX FEED TO STEAM GEN 1-1 LINE STOP VLV



Run of pipe from AF608 from Auxiliary Building to Shield Building Subject to seismic anchor movements



Equipment ID No.	BW10	Equip. Class	0d. Other - check	valve or ma	nual valve			
Equipment Descript	ion	Flush Connection						
Location: Bldg.	AUXB	Floor El.	565'10.25"	Room	209			
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to o	Checklist document the results of of the following question rovided at the end of the	ons may be used to	record the	esults of jud	gments and		
Anchorage					37	N		
	VEL items	on verification required requiring such verificat 3" diameter.		ne	Y	X		
2. Is the anchorage	free of ben	t, broken, missing or lo	ose hardware?		Y	N	U	N/A X
3 Is the anchorage	free of corr	osion that is more than	mild surface		Y	N	U _	N/A X
oxidation?	nee or con	osion that is more than	ining surface					
4. Is the anchorage	free of visi	ble cracks in the concre	ete near the anchors	s?	Y	N_	U	N/A X
					Y	N	U	N/A
(Note: This ques	tion only a _l	on consistent with plan oplies if the item is one guration verification is	of the 50% for		<u></u>		<u> </u>	X
6. Based on the aboreout ally adve		ge evaluations, is the a	inchorage free of		Y X	N	U]



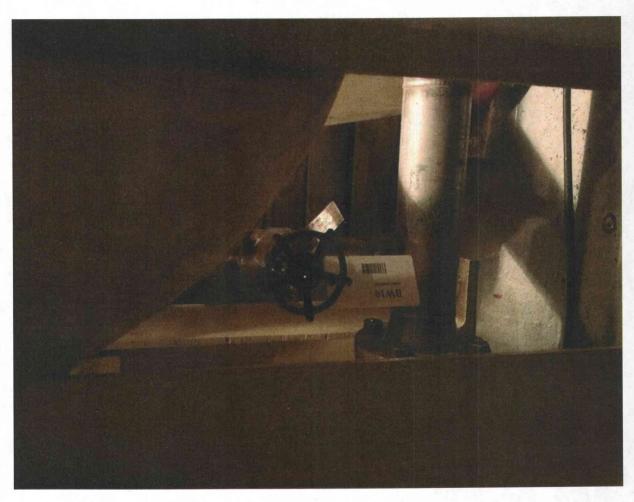
ion Flush Connection				
			-	
	V	N	IJ	N/A
ee from impact by nearby equipment or structures?		11		14/21
ce from impact by hearby equipment of structures.	1 1			
	Y	<u>N</u>	U	N/A
	X			
walls not likely to collapse onto the equipment?				
	Y	N	U	N/A
have adequate flexibility to avoid damage?	X		<u> </u>	
	Y	N	U	
ove seismic interaction evaluations, is equipment free	X			
				•
nditions			-	
	Y	N	U	
	X			
			-	
onal pages may be added as necessary)				
The West				
	7/25/2012		_	
2. 101111				
Thung by affinity Date:	7/25/2012			
			_	
	ipment, distribution systems, ceiling tiles and lighting, k walls not likely to collapse onto the equipment? have adequate flexibility to avoid damage? ove seismic interaction evaluations, is equipment free verse seismic interaction effects? Inditions d for and found no other seismic conditions that could the safety functions of the equipment? onal pages may be added as necessary) Date: Adam L. Helffrich	tipment, distribution systems, ceiling tiles and lighting, k walls not likely to collapse onto the equipment? Thave adequate flexibility to avoid damage? Yhave seismic interaction evaluations, is equipment free verse seismic interaction effects? The additions of the equipment? The additions of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment? The additions of the equipment free verse seismic interaction of the equipment free verse seismic interactio	ipment, distribution systems, ceiling tiles and lighting, k walls not likely to collapse onto the equipment? Y N have adequate flexibility to avoid damage? Y N have seismic interaction evaluations, is equipment free verse seismic interaction effects? Inditions If for and found no other seismic conditions that could the safety functions of the equipment? In additions In addition of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment free verse seismic interaction of the equipment? In addition of the equipment free verse seismic interaction of the equipment free verse sei	tipment, distribution systems, ceiling tiles and lighting, k walls not likely to collapse onto the equipment? Y N U A Date: 7/25/2012



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>BW10</u> Equip. Class 0d. Other - check valve or manual valve

Equipment Description Flush Connection



BW10 Plate and General ID plate and general view of component



Equipment ID No.	BW21	Equip. Class	0d. Other - chec	ck valve or ma	anual valve			
Equipment Descrip	tion <u>Bor</u>	ated Water Storag	e Tank Outlet Iso	lation				
Location: Bldg.	AUXB	Floor El.	586'	Room	304			
Manufacturer, Mod	lel, Etc.						_	
Instructions for C This checklist may SWEL. The space I findings. Additiona	be used to docu below each of th	ment the results or e following questi	ons may be used	to record the	results of jud	gments an		
Anchorage					Y	N		
1. Is the anchorage of the 50% of SV No degraded condi	WEL items requi	ring such verifica	tion)?	one		X]	
					Y	N	U	N/A
2. Is the anchorage	free of bent, bro	oken, missing or lo	oose hardware?			<u> </u>	1	X
3. Is the anchorage	free of corrosio	n that is more than	n mild surface		Y	N_	U	N/A X
oxidation?								
					Y	N	U	N/A
4. Is the anchorage	free of visible c	racks in the concr	ete near the ancho	ors?				X
					Y	N	U	N/A
•	stion only applie	onsistent with plans if the item is one ion verification is	of the 50% for	?				X
					Y	N_	U	-
6. Based on the abo	ove anchorage e erse seismic con		anchorage free of		X	L	<u> </u>	J



Equipment ID No.	BW21 Equip. Class 0d. Other - check valve or n	nanual valve			
Equipment Descrip	Borated Water Storage Tank Outlet Isolation				
Interaction Effect		Y	N	U	N/A
/. Are son targets i	free from impact by nearby equipment or structures?	Α			
Q. Are arranhand on	winner distribution systems, sailing tiles and lighting	Y	N	U_	N/A
	nuipment, distribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment?				
9. Do attached line	es have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the al	bove seismic interaction evaluations, is equipment free	Y	N	U]
of potentially ac	dverse seismic interaction effects?				
	onditions ed for and found no other seismic conditions that could t the safety functions of the equipment?	Y	N	U] •
Comments (Addit	ional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012		-	



Seismic Walkdown Checklist (SWC)

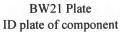
Equipment ID No. BW21

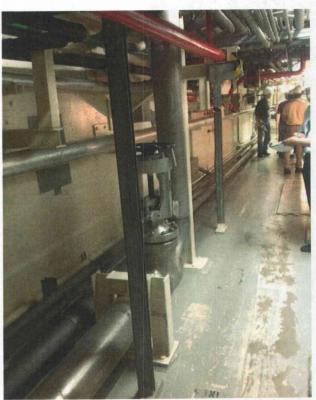
Equip. Class 0d. Other - check valve or manual valve

Equipment Description

Borated Water Storage Tank Outlet Isolation







BW21 General General view of component



Status: (Y)N U

Equipment ID No. C1 Equip. Class 3. Medium Voltage Switchgear				
Equipment Description BUS C1				
Location: Bldg. AUXB Floor El. 585 Room	325			
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an ite SWEL. The space below each of the following questions may be used to record the res findings. Additional space is provided at the end of this checklist for documenting other	ults of jud	gments and		
Anchorage	V	N		
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	Y	X		
	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware? Cabinet could not be opened during walkdown. Mounting base found in adequate condition. (See also item 5 below)	X	NI	TT	NI/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y X	N_	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y	N	U_	N/A
4. Is the anchorage free of visible cracks in the concrete flear the anchors:	A		l	
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.) Panel door was closed and anchorage inside cabinet could not be verified. However, SQUG C-CSS-C1 calculation was used and it was verified that anchorage capacity is adequate for the configuration shown.	V	N	T T	
6. Based on the above anchorage evaluations, is the anchorage free of	Y X	N	U]



Status.(1)	Status: Y	U
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Equipment ID No. C1 Equip. Class 3. Medium Voltage S	Switchgear			
Equipment Description BUS C1				
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y	N	U_	N/A
Nearby fire extinguisher not fixed to wall. Judged not to be significant inter		:		
8. Are overhead equipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
and masonry block walls not likely to collapse onto the equipment?				
9. Do attached lines have adequate flexibility to avoid damage?	Y	N	U_	N/A
	<u> Y</u>	N	U	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	X			
		· .	_	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	<u>Y</u> X	N	U	
Comments (Additional pages may be added as necessary)			-	
Evaluated by: Eddie M. Guerra	Date: <u>7/25/2</u>	012	_	
Adam L. Helffrich	Date: <u>7/25/2</u>	012	_	

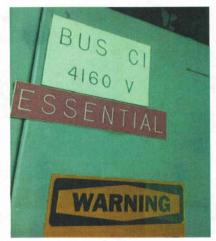


Status: Y U

Seismic Walkdown Checklist (SWC)

Equipment ID No.	C1	Equip. Class	3. Medium	Voltage Switchgear
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Equipment Description BUS C1



C1 Plate
ID Plate of component



C1 General General view of component



Equipment ID No.	<u>C11-1</u>	Equip. Class	12. Air Comp	oressors					
Equipment Descrip	tion <u>Emer</u>	gency Diesel Ge	enerator Startin	g Air compre	essor 1-1				
Location: Bldg.	AUXB	Floor El.	585	Roon	n <u>318</u>	3			
Manufacturer, Mod	el, Etc.								
Instructions for Control This checklist may SWEL. The space of findings. Additional	be used to docume below each of the	ent the results of following questi	ons may be use	ed to record the	he results	of judg	gments and		
Anchorage						Y	N		
1. Is the anchorage of the 50% of SV Compressor rigidly Skid is welded to a	WEL items requiring mounted on skid	ng such verifica with 4-1/2" bolt	tion)? s.		lts.		X]	
						Y	N	U	N/A
2. Is the anchorage Bolts on frame-skid					L_	X			
2.1.41	C C	41 - 4 ! 4b - 4	:1.46		_	Y	N	U	N/A
3. Is the anchorage oxidation?	iree of corrosion	that is more than	i mild surface		<u> </u>	Λ			
						Y	N	U_	N/A
4. Is the anchorage	free of visible cra	cks in the concr	ete near the and	chors?	L	X		<u> </u>	
						Y	N	U	N/A
` -	configuration con stion only applies in orage configuration	if the item is one	of the 50% fo		L				X
6. Based on the abo	ove anchorage eva		anchorage free	of		Y X	N	U]



Equipment ID No	Equip. Class 12. Air Compressors					
Equipment Descri	ption Emergency Diesel Generator Starting Air cor	npresso	r 1-1			
Interaction Effec			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, ock walls not likely to collapse onto the equipment?		X			
			Y	N	U	N/A
9. Do attached line	es have adequate flexibility to avoid damage?		X			
10. Based on the a	above seismic interaction evaluations, is equipment free		Y	N	U	
	adverse seismic interaction effects?		<u> </u>			
Other Adverse C	Conditions					
-	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U	
Comments (Addi	tional pages may be added as necessary)				•	
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Show Dellaw I	Date:	7/25/2012			
	Adam L. Helffrich					



Seismic Walkdown Checklist (SWC)

Equipment ID No. C11-1

Equip. Class 12. Air Compressors

Equipment Description

Emergency Diesel Generator Starting Air compressor 1-1



C11-1 plate
ID Plate of component



C11-1 general
General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. C11-1

Equip. Class 12. Air Compressors

Equipment Description

Emergency Diesel Generator Starting Air compressor 1-1



C11-1 skid anchor
Partial view of anchorage, view is typical of all anchors



C11-1 connection to skid underneath
Attachment of component to skid underneath



Status:(Y)N U	Status: (Y)N	U
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Seismic Walkdown Checklist (SWC)

Equipment ID No.	C21-1	Equip. Class	9. Fans					
Equipment Descrip	tion <u>C</u>	NTRL RM EMERG	VENT SYS FAI	N1-1				
Location: Bldg.	AUXB	Floor El.	638	Room	603	-		
Manufacturer, Mod	lel, Etc.						_	
SWEL. The space l	be used to do below each of	necklist cument the results of the following questivided at the end of th	ons may be used	to record the	results of jud	lgments an		
Anchorage								
	,		1.71		Y	N_	1	
		verification required uiring such verificat		one	X	<u> </u>]	
		ach with 2-5/8" anch	,					
8					Y	N	U	N/A
		proken, missing or lo			X			
No degraded condi	tion found for	bolts on component	base frame					
					Y	N	U	N/A
3. Is the anchorage	free of corros	ion that is more than	mild surface		X	T	Γ	10/1
oxidation?								
					Y	N	U _	N/A
4. Is the anchorage	free of visible	cracks in the concre	ete near the ancho	rs?	X	<u> </u>		
					\mathbf{Y}	N	U	N/A
5. Is the anchorage	configuration	consistent with plan	t documentation?		X	T -		
		ies if the item is one ation verification is r						
		identifies the config		oring				
isolators and it was	s confirmed in	the field during wal	kdown inspection					
6 Dagad on the -l-		avaluations is the	nahamas for s		X	N	U	1
potentially adve		evaluations, is the a	nenorage tree of		X		<u> </u>	J
•		identified outlier - v	ibration isolators	on fan base				
-		nt of overturning mor		•				

Fixity provided to resolve outlier presented in SQUG calc (MOD95-0031).



Status(Y)N U	J
--------------	---

Equipment ID No	Equip. Class 9. Fans				
Equipment Descri	iption CNTRL RM EMERG VENT SYS FAN1-1				
	ets free from impact by nearby equipment or structures? equipment identified in the congested area.	Y	N	U	N/A
8. Are overhead e	quipment, distribution systems, ceiling tiles and lighting, 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?	Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U	
	Conditions ked for and found no other seismic conditions that could to the safety functions of the equipment?	YX	N	U	
Comments (Addi	tional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012		-	



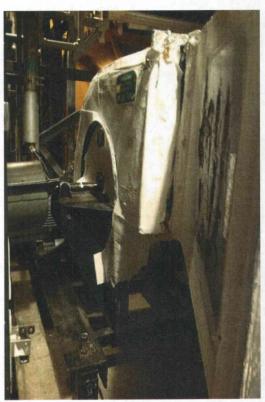
Seismic Walkdown Checklist (SWC)

Equipment ID No. C21-1 Equip. Class 9. Fans

Equipment Description CNTRL RM EMERG VENT SYS FAN1-1



C21-1 Plate
ID Plate of component



C21-1 General General view of component



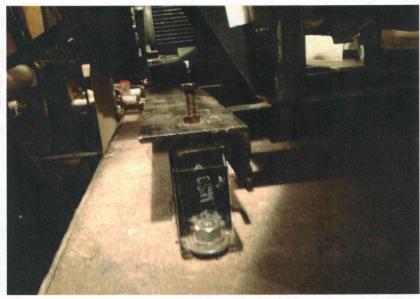
Seismic Walkdown Checklist (SWC)

Equipment ID No. C21-1

Equip. Class 9. Fans

Equipment Description

CNTRL RM EMERG VENT SYS FAN1-1



C21-1 anchorage typical View of anchorage



Status: YN	U
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Equipment ID No.	C25-3	_ Equip.	Class	9. Fans						
Equipment Descrip	tion	VENT FAN 3								-
Location: Bldg.	AUXB	_ Floor I	EI.	585		Room	319			
Manufacturer, Mod	el, Etc.					-			_	
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to below each	document the re- of the following	questi	ons may be	used to re	cord the	esults of ju	dgments an		
Anchorage							V	N		
1. Is the anchorage	configurati	on verification r	eguired	l(ie is the	item one		X	N	1	
of the 50% of SV Fan suspended from	VEL items	requiring such v	erificat	ion)?						
							Y	N	U	N/A
2. Is the anchorage Fan is part of ventile			ig or lo	ose hardwar	e?			1		X
3. Is the anchorage oxidation?	free of cor	rosion that is mo	re than	mild surfac	e		Y	N	U	N/A X
							Y	N	U_	N/A
4. Is the anchorage	free of visi	ble cracks in the	concre	ete near the a	inchors?			<u> </u>	<u></u>	X
5.7.1	٠						Y	N	U	N/A
5. Is the anchorage (Note: This quest which an ancho Previous SQUG cal SQUG calculation	tion only ap rage config <i>lculation C</i>	oplies if the item guration verificat I-CSS-C25-3 iden	is one tion is r ntified o	of the 50% equired.) connection h	for nas adequa	ate flexib	X ility (p.5 of	8).	1	
Anchorage found a										
							Y	N	U	_
6. Based on the abo		•	is the a	nchorage fre	e of		X			J



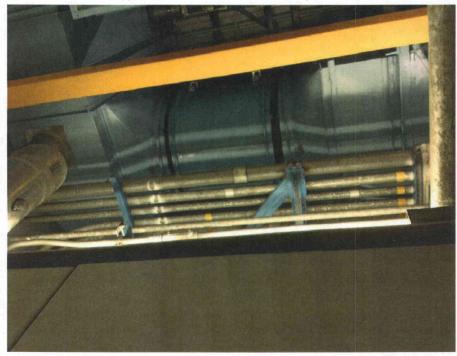
Equipment ID No	. <u>C25-3</u>	Equip. Class 9. Fans					
Equipment Description VENT FAN 3 Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? X No potential interaction due to fan location.							
						U 	N/A
		distribution systems, ceiling tiles and ligh of likely to collapse onto the equipment?	nting,	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? Y X						U	N/A
		nic interaction evaluations, is equipment smic interaction effects?	free	Y	N	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? X					N	- U	I
Comments (Addi	tional page	s may be added as necessary)	· · · · · · · · · · · · · · · · · · ·			-	
Evaluated by:	Eddie M	A. Guerra	Date:	7/25/2012		-	
	Adam L. Helffrich Date: 7/25/2012					-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. C25-3 Equip. Class 9. Fans

Equipment Description VENT FAN 3



Vent Fan C25-3



Equipment ID No.	<u>C31-4</u>	Equip. Class	9. Fans					
Equipment Descripti	on <u>F</u>	AN C31-4						- -
Location: Bldg.	AUXB	Floor El.	545	Room	105			
Manufacturer, Mode	l, Etc							
Instructions for Con This checklist may b SWEL. The space be findings. Additional	e used to doc clow each of t	ument the results of he following questi	ons may be used	to record the	results of jud	gments an	he ad	
Anchorage								
1. Is the anchorage c of the 50% of SW	Y	N X]					
Mounted on 4 W-sha Each W-shape is and		vo 5/8" diameter an	chor bolts.					
2. Is the anchorage fi					Y	N	U	N/A
Missing closure nuts Confirmed with main	along one sid	le of the unit.		ts are not requ	<u> </u>			<u> </u>
				_	Y	N	U	N/A
3. Is the anchorage fi oxidation?	ree of corrosi	on that is more than	mild surface		X			
Slight corrosion four	nd in wide fla	nges used for mount	ing base.					
4. Is the anchorage fi	ree of visible	cracks in the concre	te near the ancho	ors?	Y X	N	U	N/A
				_	Y	N_	U	N/A
	on only appli	consistent with planters if the item is one tion verification is r	of the 50% for	?			<u> </u>	X
6. Based on the above potentially advers	_		nchorage free of		Y X	N	U	



Equipment ID No. <u>C31-4</u> Equip. Class 9. Fans					
Equipment Description FAN C31-4					
Interaction Effects		Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?		X			
		Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	g,	X			
		v	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?		Y	N		IVA
Several pipe lines running into fan housing properly supported with floor mounted HSS sections.	•				
10. Based on the above seismic interaction evaluations, is equipment free		Y	N	U	
of potentially adverse seismic interaction effects?	,	71			
Other Adverse Conditions					
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	d	Y	N	U	
The second of the squipment.					
Comments (Additional pages may be added as necessary)	<u>_</u> _				
Evaluated by:	Date:	7/25/2012			
Eddie M. Guerra	_ _				
Bland Dellow	Det	7/25/2012			
Adam I. Helffrich	Date:	7/25/2012			



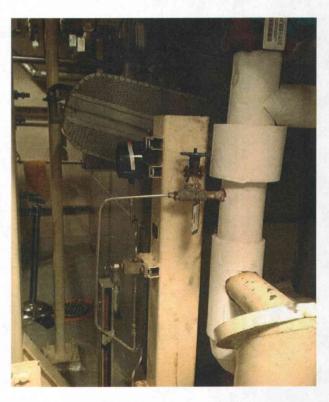
Seismic Walkdown Checklist (SWC)

Equipment ID No. C31-4 Equip. Class 9. Fans

Equipment Description FAN C31-4



C31-4 plate
ID Plate of component



C31-4 general General view of component



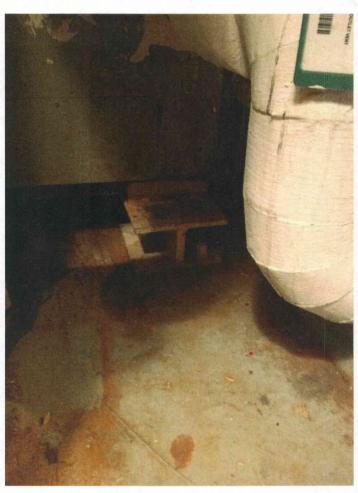
Seismic Walkdown Checklist (SWC)

Equipment ID No. C31-4

Equip. Class 9. Fans

Equipment Description

FAN C31-4



C31-4 anchorage
Partial view of anchorage, view is typical of all anchors



Seismic Walkdown Checklist (SWC)

potentially adverse seismic conditions?

Equipment ID No.	<u>C3615</u>	Equip. Class	20. Instrument ar	d Control F	anels			
Equipment Descript	tion _	EDG 1 CONTROL P	ANEL					- -
Location: Bldg.	AUXB	Floor El.	585	Room	318	-		
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to do elow each o	Checklist ocument the results of f the following questi ovided at the end of the	ons may be used to	record the	results of jud	gments an		
Anchorage								
1. Is the anchorage	configuratio	n verification required	l (i.e. is the item o	ne	X	N	1	
	/EL items re	equiring such verificat	, ,		<u> </u>		J	
					Y	N	U	N/A
		broken, missing or lo			X		L	
or missing parts we		ion and no degraded (condition					
2 Is the enchance	C	-:			Y	N	U	N/A
oxidation?	iree of corro	sion that is more than	X			<u> </u>		
					Y	N	U_	N/A
4. Is the anchorage	free of visibl	le cracks in the concre	ete near the anchors	i?	X		<u> </u>	
					Y	N	U	N/A
		n consistent with plan			X			
which an anchor Calculation C-CSS-	rage configu C3615 ident	olies if the item is one ration verification is in the configuration of	equired.)	ts and it wa	s			
confirmed in the fiel	a auring wa	ukaown inspection.			Y	N	U	
6. Based on the above	ve anchorage	e evaluations, is the a	nchorage free of		X]



Equipment ID No	Equip. Class 20. Instrument and Control	Panels			
Equipment Descr	iption EDG 1 CONTROL PANEL				
Interaction Effect 7. Are soft targets	cts 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 lin	nes have adequate flexibility to avoid damage?	Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	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 (Addi	itional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich Date:	7/25/2012		-	

Seismic Walkdown Checklist (SWC)

Equipment ID No. C3615

Equip. Class 20. Instrument and Control Panels

Equipment Description

EDG 1 CONTROL PANEL



C3615 plate
ID Plate of component



C3615 general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. C3615

Equip. Class 20. Instrument and Control Panels

Equipment Description

EDG 1 CONTROL PANEL



C3616 anchorage
Anchorage from unit C3616 is similar to C3615 which is currently energized



Status (Y)N U	Status	Y	\mathcal{Y}_{N}	U
----------------	--------	---	-------------------	---

Equipment ID No.	C3645	Equip. Class	20. Instrument a	nd Control l	Panels			
Equipment Descrip	tion <u>CON</u>	NTROL PANEL	(AUX FEEDWAT	ER)				- -
Location: Bldg.	AUXB	Floor El.	585	Room	325	_		
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space b findings. Additiona	be used to docun below each of the	nent the results of following questi	ons may be used to	o record the	results of jud	dgments an		
Anchorage								
1 7 .1 1					Y	N	7	
1. Is the anchorage of the 50% of SW Cabinet anchored w	VEL items requir	•	, ,	one	X	1		
					Y	N	U	N/A
2. Is the anchorage Mounting base four			ose hardware?		X			
3. Is the anchorage	free of corrosion	that is more than	mild surface		Y	N I	U	N/A
oxidation?						L	· · · · · · · · · · · · · · · · · · ·	<u> </u>
No signs of significa	ant corrosion fou	ınd.						
					Y	N	U	N/A
4. Is the anchorage No cracks identified			ete near the anchor	s?	X			
					v	N	U	N/A
5. Is the anchorage					X	11		IV/A
(Note: This quest								
which an anchor SQUG C-CSS-C364 is adequate for the o	45 and C-CSS-C4		• .	vas verified	that anchord	ige capacii	ty	
					Y	N	U	
6. Based on the abo	ve anchorage eva se seismic condi		nchorage free of		X]



Equipment ID No	Equip. Class 20. Instrument and Control	Panels			
Equipment Descri	ption CONTROL PANEL (AUX FEEDWATER)		<u></u>		
Interaction Effect 7. Are soft targets	ets 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
9. Do attached line	es have adequate flexibility to avoid damage?	Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U	
	xed for and found no other seismic conditions that could	Y	N	<u>U_</u>	
Comments (Addi	tional pages may be added as necessary)	X			
Mantainance or m	novable equipment found in the area with proper tight conditions.				
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012			

Seismic Walkdown Checklist (SWC)

Equipment ID No. C3645

Equip. Class 20. Instrument and Control Panels

Equipment Description

CONTROL PANEL (AUX FEEDWATER)



C3645 Plate ID Plate of component



C3645 General General view of component



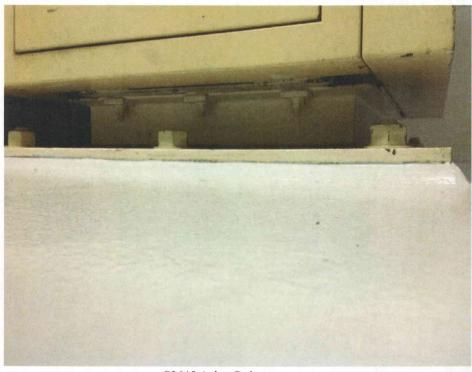
Seismic Walkdown Checklist (SWC)

Equipment ID No. C3645

Equip. Class 20. Instrument and Control Panels

Equipment Description

CONTROL PANEL (AUX FEEDWATER)



C3645 Achor Bolts
Partial view of anchorage, view is typical of all anchors



Seismic Walkdown Checklist (SWC)

potentially adverse seismic conditions?

Equipment ID No.	C4606	Equip. Class	2. Low Voltage	Switchgear				
Equipment Descrip	tion <u>RE</u>	EACTOR TRIP BR	EAKER A (TYPI	CAL OF 4)				- -
Location: Bldg.	AUXB	Floor El.	603	Room	428	-		
Manufacturer, Mod	el, Etc.							
Instructions for Control This checklist may SWEL. The space of findings. Additional	be used to docu below each of the	iment the results of ne following questi	ons may be used t	o record the	results of jud	lgments an		
Anchorage					37	N		
1. Is the anchorage	configuration v	erification required	l (i.e. is the item (one	$\frac{Y}{X}$	N N	1	
	VEL items requ	iring such verificat	ion)?		A			
base, similar to as-			perimeter sy the	penier				
					Y	N	U	N/A
2. Is the anchorage Component could nadequate condition.	ot be opened di	_		nd in	X			
					Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosio	n that is more than	mild surface		X		<u> </u>	
					Y	N	U	N/A
4. Is the anchorage	free of visible of	cracks in the concre	ete near the anchor	rs?	X		I	1,474
					Y	N	U	N/A
5. Is the anchorage	configuration c	onsistent with plan	t documentation?		X			
(Note: This quest	tion only applie rage configurat 06 <i>and C-CSS</i> -0	es if the item is one ion verification is the C4603 calculations	of the 50% for equired.) were used and it					
					Y	N_	U	_
6. Based on the abo	ve anchorage e	valuations, is the a	nchorage free of		X			



Equip. Class 2. Low Voltage Switch	ngear				
ption REACTOR TRIP BREAKER A (TYPICAL C	OF 4)				
ts		Y	N	U	N/A
free from impact by nearby equipment or structures? cated in vicinity deemed not an interaction concern.	l	X			
quipment, distribution systems, ceiling tiles and lighting,	[Y X	N	U	N/A
	ſ	Y X 1	N	U	N/A
end have rigid supports and will provide lateral restraint	l		· 	<u> </u>	
bove seismic interaction evaluations, is equipment free dverse seismic interaction effects?	[Y	N	U	
onditions ed for and found no other seismic conditions that could t the safety functions of the equipment?	[Y X	N	U	
tional pages may be added as necessary)	-				
Eddie M. Guerra	Oate:	7/25/2012			
Adam L. Helffrich	oate:	7/25/2012			
	REACTOR TRIP BREAKER A (TYPICAL of the state of the free from impact by nearby equipment or structures? The state of in vicinity deemed not an interaction concern. The state of the free from impact by nearby equipment or structures? The state of the invicinity deemed not an interaction concern. The state of the stribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment? The state of the stribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment? The state of the stribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment? The state of the stribution systems, ceiling tiles and lighting, ck walls not light	ts free from impact by nearby equipment or structures? rated in vicinity deemed not an interaction concern. quipment, distribution systems, ceiling tiles and lighting, ck walls not likely to collapse onto the equipment? es have adequate flexibility to avoid damage? end have rigid supports and will provide lateral restraint bove seismic interaction evaluations, is equipment free diverse seismic interaction effects? onditions ed for and found no other seismic conditions that could the safety functions of the equipment? cional pages may be added as necessary) Date: Eddie M. Guerra Date:	ts free from impact by nearby equipment or structures? And impact the number of the free from impact by nearby equipment or structures? And impact the number of the free from impact by nearby equipment or structures? And impact the number of the free from impact by nearby equipment or structures? And impact the number of the free from impact by nearby equipment, distribution systems, ceiling tiles and lighting, and lighting, and lighting, and lighting impacts and lighting in the share of the equipment? And have rigid supports and will provide lateral restraint interaction effects? And impact the equipment free free from impact the share of the equipment free free from impact the equipment free free free from impact to structure free free from impact the share of the equipment free free free free free from impact to structure free free free free free free free f	ts	ts free from impact by nearby equipment or structures? Auted in vicinity deemed not an interaction concern. The property of the equipment of

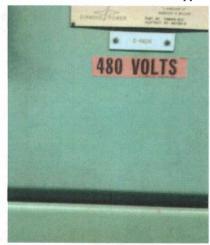
Seismic Walkdown Checklist (SWC)

Equipment ID No. C4606

Equip. Class 2. Low Voltage Switchgear

Equipment Description

REACTOR TRIP BREAKER A (TYPICAL OF 4)



C4606 Plate
ID Plate of component



C4606 General General view of component

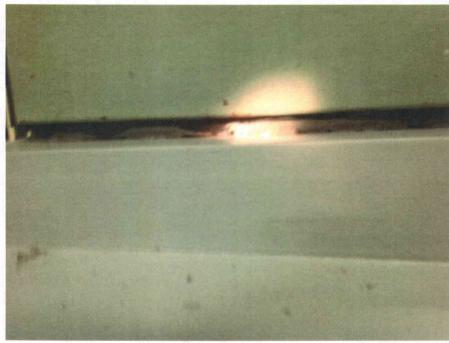
Seismic Walkdown Checklist (SWC)

Equipment ID No. C4606

Equip. Class 2. Low Voltage Switchgear

Equipment Description

REACTOR TRIP BREAKER A (TYPICAL OF 4)



C4606 stitch weld
Partial view of anchorage, view is typical of all anchors



C4606 crane int Sliding crane located in component vicinity.



Equipment ID No.	C5702	_ 1	Equip. Class	20. Instrun	nent and C	Control P	anels			
Equipment Descrip	tion	operator	console pane	els - left						- -
Location: Bldg.	AUXB	_	Floor El.	623		Room	505	_		
Manufacturer, Mod	el, Etc.								_	
Instructions for Co This checklist may SWEL. The space b findings. Additiona	be used to below each	document of the foll	the results of lowing questi	ons may be	used to red	cord the	results of ju	dgments an		
Anchorage										
1 To 4b a smala small	·¢	• • •		17	••		Y	N	1	
1. Is the anchorage of the 50% of SV	-		-		item one			X	_	
Anchorage not veri, Back panel doors a 4-1/2" screws.	fied since is	s covered	with fire pro	ofing materia						
							Y	N	U	N/A
2. Is the anchorage None observed duri			missing or lo	ose hardwar	e?		X			
							Y	N	U	N/A
3. Is the anchorage oxidation?	free of corr	rosion that	t is more than	mild surfac	e		X		L	
No significant corre	osion obser	ved in the	component.							
							V	N	ŢŢ	NI/A
4. Is the anchorage	free of visi	hle cracks	in the concr	ete near the a	nchors?		X	N	U	N/A
None observed.				oto mour tiro c						
							*7	NI	T T	NI/A
5. Is the anchorage	configurati	on consist	tent with nlar	it documents	tion?		Y	N	U	N/A X
(Note: This quest which an ancho SQUG C-CSS-C570 capacity is adequat	tion only ap rage config 02 calculati	pplies if th guration ve ion was us	ne item is one erification is a seed and it was	of the 50% required.)	for	ge	L			
6. Based on the abo		-		nchorage fre	e of		Y X	N	U]



Equip. Class 20. Instrument and	Control P	aneis			
iption operator console panels - left	-				
ets		Y	N	U	N/A
s free from impact by nearby equipment or structures? equipment identified in the area.		<u> </u>			
	, ,,	Y	N	U	N/A
ock walls not likely to collapse onto the equipment?					
es have adequate flexibility to avoid damage?		Y	N	U	N/A
ahove seismic interaction evaluations is equipment free		Y	N_	U	
adverse seismic interaction effects?		<u> </u>			
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could					
et the safety functions of the equipment?		X	<u> </u>		
tional pages may be added as necessary)		-		•	
= Hota Wil Air					
Eddie M. Guerra	Date:	7/25/2012			
	Date:	7/25/2012			
	respective of the part of the	integration operator console panels - left its free from impact by nearby equipment or structures? Iquipment identified in the area. quipment, distribution systems, ceiling tiles and lighting, bock walls not likely to collapse onto the equipment? es have adequate flexibility to avoid damage? above seismic interaction evaluations, is equipment free adverse seismic interaction effects? fonditions ted for and found no other seismic conditions that could be the safety functions of the equipment? tional pages may be added as necessary) Date: Eddie M. Guerra	iption operator console panels - left Its free from impact by nearby equipment or structures? quipment identified in the area. quipment, distribution systems, ceiling tiles and lighting, bock walls not likely to collapse onto the equipment? Problem of the equipment of the safety functions of the equipment	interpretation operator console panels - left Its free from impact by nearby equipment or structures? Its	integration operator console panels - left Its free from impact by nearby equipment or structures? If free from impact by nearby equipment o



Seismic Walkdown Checklist (SWC)

Equipment ID No. C5702 Equip. Class 20. Instrument and Control Panels

Equipment Description operator console panels - left



C5702 General view of component



Equipment ID No.	C5706	Equip. Class	2. Low Voltage S	witchgear				
Equipment Descript	tion <u>N</u>	MANUAL REACTO	R TRIP SWITCHE	S (2) IN C	ONTROL RO	ООМ		- -
Location: Bldg.	AUXB	Floor El.	<u>623</u>	Room	505	_		
Manufacturer, Mod	el, Etc.						_	
This checklist may be SWEL. The space b	be used to do elow each of	cument the results of the following questi	ons may be used to	record the	results of jud	lgments an		
Anchorage								
	_	•		ne	Y	N X]	
					Y	N	U	N/A
	Interpretation MANUAL REACTOR TRIP SWITCHES (2) IN CON- strion: Bldg. AUXB Floor El. 623 Room ufacturer, Model, Etc. ructions for Completing Checklist checklist may be used to document the results of the Seismic Walkdown of an iter EL. The space below each of the following questions may be used to record the res ings. Additional space is provided at the end of this checklist for documenting other the anchorage configuration verification required (i.e., is the item one the 50% of SWEL items requiring such verification)? the anchorage free of bent, broken, missing or loose hardware? the anchorage free of corrosion that is more than mild surface didation? the anchorage free of corrosion that is more than mild surface didation? the anchorage free of visible cracks in the concrete near the anchors? the anchorage free of visible cracks in the concrete near the anchors? the anchorage configuration consistent with plant documentation? the anchorage configuration consistent with plant documentation? the anchorage configuration verification is required.) GC-CSS-C5702 and C-CSS-C5706 calculations were used and it was verified anchorage capacity is adequate for the configuration shown.	X	<u> </u>					
	free of corros	ion that is more than	mild surface		Y X	N	U	N/A
	structions for Completing Checklist nis checklist may be used to document the results of the Seismic Walkdown of an WEL. The space below each of the following questions may be used to record the ndings. Additional space is provided at the end of this checklist for documenting nchorage Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Is the anchorage free of bent, broken, missing or loose hardware? Inchorage not accessible during inspection since it was covered with							
_			ete near the anchors	?	Y X	N	U	N/A
					Y	N	U	N/A
(Note: This quest which an anchor SQUG C-CSS-C570	ion only appl rage configura 2 and C-CSS	ies if the item is one ation verification is ra-C5706 calculations	of the 50% for equired.) were used and it w	as verified		<u> </u>		X
			nchorage free of		Y X	N	U]



Adam L. Helffrich

Status Y N U

Equip. Class 2. Low voltage	Switchgear				
Equipment Description MANUAL REACTOR TRIP SWITCH	ES (2) IN C	ONTROL RO	ОМ		
Interaction Effects		Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? No maintenance equipment identified in the area.		X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighti	ng,	Y	N	U	N/A
and masonry block walls not likely to collapse onto the equipment?		1			<u> </u>
9. Do attached lines have adequate flexibility to avoid damage?		Y	N	U	N/A
2. Do attached files have adequate flexibility to avoid damage:		A		<u></u>	
10. Based on the above seismic interaction evaluations, is equipment from	ee	Y	N	U	
of potentially adverse seismic interaction effects?					
Other Adverse Conditions				-	
11. Have you looked for and found no other seismic conditions that cou adversely affect the safety functions of the equipment?	ld	Y	N	U	
				_	
Comments (Additional pages may be added as necessary)					
Evaluated by: Eddie M. Guerra	Date:	7/25/2012		-	
/					
May Dellow	Date:	7/25/2012			



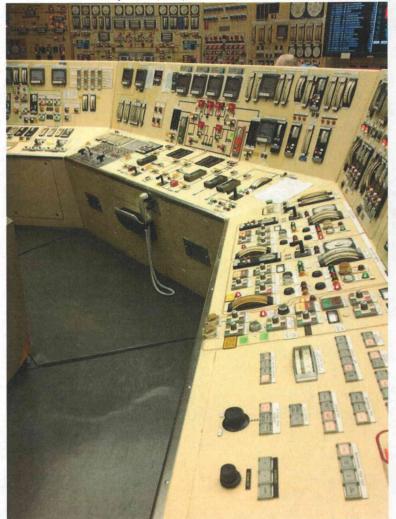
Seismic Walkdown Checklist (SWC)

Equipment ID No. C5706 Equip. Class 2. Low Voltage Switchgear

Equipment Description MANUAL REACTOR TRIP SWITCHES (2) IN CONTROL ROOM



C5706 plate
ID Plate of component



C5706 front General view of component

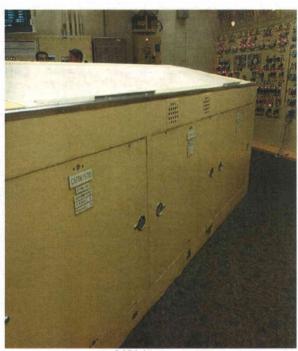
Seismic Walkdown Checklist (SWC)

Equipment ID No. C5706

Equip. Class 2. Low Voltage Switchgear

Equipment Description

MANUAL REACTOR TRIP SWITCHES (2) IN CONTROL ROOM



C5706 rear General view of component



C5706 typical interior3
Typical view of interior components

Seismic Walkdown Checklist (SWC)

Equipment ID No. C5706

Equip. Class 2. Low Voltage Switchgear

Equipment Description

MANUAL REACTOR TRIP SWITCHES (2) IN CONTROL ROOM



C5706 bolted to left and right sides Cabinets are bolted together on both sides



Equipment ID No. C5712 Equip. Class 20. Instrument and Control Panels								
Equipment Descrip	otion <u>op</u>	erator console pane	ls - right					
Location: Bldg.	AUXB	Floor El.	623	Room	505	_		
Manufacturer, Mod	lel, Etc.							
SWEL. The space	be used to docu below each of th	ment the results of ne following question	the Seismic Walkdo ons may be used to use the checklist for docu	ecord the	results of jud	lgments an		
Anchorage						<u>-</u> -		
	WEL items requ ified since is cov	iring such verificat vered with fire prod	fing material.	e	Y	N X]	
					Y	N	U	N/A
2. Is the anchorage None observed dur		oken, missing or lo	ose hardware?		X			
3. Is the anchorage	free of corrosio	n that is more than	mild surface		Y	N	U	N/A
oxidation? No significant corr	osion observed	in the component.						
4. Is the anchorage None observed.	free of visible of	racks in the concre	te near the anchors?		Y X	N	U	N/A
					Y	N	U	N/A
which an ancho	tion only applie orage configurat Panel C5702. S	s if the item is one ion verification is response to the second s	of the 50% for equired.) C-CSS-C5702 verifie	es that				X
6. Based on the about	ove anchorage e	·	nchorage free of		Y X	N	U	



Equipment ID No	5. C5712 Equip. Class 20. Instrument and	Control P	anels			
Equipment Descr	iption operator console panels - right					
7. Are soft targets	nteraction Effects Are soft targets free from impact by nearby equipment or structures? To maintenance equipment identified in the area.		Y	N	U	N/A
No maintenance e	equipment identified in the area.		Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		X			
). Do attached lin	nes have adequate flexibility to avoid damage?		Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		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 (Addi	itional pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012			
	Adam L. Helffrich	_Date:	7/25/2012			



Status: N U

Equipment ID No. C5755 Equip. Class 20. Instrument and Control Panels								
Equipment Descrip	otion	Control Room cabinet	room					- -
Location: Bldg.	AUXB	Floor El.	623	Room	502	-		
Manufacturer, Mod	lel, Etc.							
SWEL. The space l	be used to obelow each	Checklist document the results of of the following question rovided at the end of the	ons may be used t	o record the	results of jud	lgments an		
Anchorage							-	
1 7 4 1	<i>~</i>				Y	N	7	
_	-	on verification required equiring such verificati	, ,	one	L	X]	
	End cabine	ts connected by $\sim 1/4$ " v	,					
	Į.				Y	N	U	N/A
		, broken, missing or lo			X			
		for inspection. However anchorage oultiers wei		rences	**	27	**	27/4
3. Is the anchorage oxidation?	free of corr	osion that is more than	mild surface		Y X	N	U	N/A
None observed dur	ing inspecti	on.						
4.7.4. 1					Y	N	U	N/A
None observed dur		ole cracks in the concre	te near the ancho	rs?	X		<u></u>	
					Y	N	U	N/A
		on consistent with plant						X
which an ancho Panel door was clo C-CSS-C5755C, D	orage config esed and and & G calcul	plies if the item is one uration verification is rechorage inside cabinet attions indicate that MC eismically adequate.	equired.) could not be verif					
6 Dogod on the abo		and the safe of the safe			Y	N	U	1 .
potentially adve		ge evaluations, is the ar conditions?	ichorage tree of		X		<u> </u>	j



Equipment ID No. C5755 Equip. Class 20. Instrument and Control Par	nels			
Equipment Description Control Room cabinet room				
Interaction Effects	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X		L	
	Y	N	U	N/A
3. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage?	Y	N	U	N/A
Attached lines found with adequate flexibility.				
10. Based on the above seismic interaction evaluations, is equipment free	Y	N	U	1
of potentially adverse seismic interaction effects?				
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could	Y	N	U	_
adversely affect the safety functions of the equipment?	X			
Comments (Additional pages may be added as necessary) C-CSS-C5755C, D & G indicate cabinets A to G need to be bolted together to prevent Issue resolved by MOD95-0032. Field walkdown verified top connection of adjacent panels are per MOD95-0032.	t pounding	interaction	1.	
Evaluated by: Eddie M. Guerra Date:	7/25/2012		-	
Adam L. Helffrich	7/25/2012			

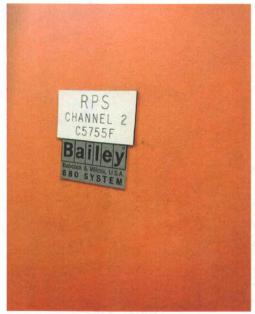
Seismic Walkdown Checklist (SWC)

Equipment ID No. C5755

Equip. Class 20. Instrument and Control Panels

Equipment Description

Control Room cabinet room



C5755 plate
ID Plate of component



C5755 general General view of component



C5755 anchorage General view of anchorage detail



C5755 anchorage Closeup of anchor bolts and channel mounting base.



Seismic Walkdown Checklist (SWC)

Equipment ID No. C5755 Equip. Class 20. Instrument and Control Panels

Equipment Description Control Room cabinet room



C5755 anchorage blocked interior



C5755 Cabinet bracing
Top bracing detail for end cabinets



C5755 Cabinets welding Welded plates detail for middle cabinets



Equipment ID No.	C5792A LB2	Equip. Class	20a. Inst. in cor	trol panel/cal	oinet			
Equipment Descrip	tion SFRO	CS CHANNEL	2 LOGIC BOARI)				- -
Location: Bldg.	AUXB	Floor El.	623	Room	502	_		
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to docum below each of the	ent the results o following quest	ions may be used	to record the	results of jud	lgments an		
Anchorage								
1.1.4	٠	٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠	17.		<u>Y</u>	N V	7	
1. Is the anchorage	configuration veri VEL items requiri			one		X	J	
No degraded condit C5782 at top. Pane together at top and	tion identified.Cal l is composed of 2	binet is attached 2 sections which	l to adjacent pane h are attached	l .				
					Y	N	U	N/A
2. Is the anchorage Anchor bolts are in presents no signific	accessible for insp	pection. Howeve		ion C-CSS-C.	X 5792A		l,	
presents no signific	am aegraaea com	aiiion.			Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	n mild surface		X			
None observed duri	ing walkdown.							
4 7 3 1					Y	N_	U	N/A
4. Is the anchorage No cracks identified			ete near the ancho	rs?	X	<u>]</u>		
					Y	N	U	N/A
5. Is the anchorage (Note: This quest	configuration con							X
	rage configuration							
At the time of the w. SQUG C-CSS-C579	92 calculation was	s used and it wa			city			
is adequate for the	conjiguration sho	wn.			Y	N	U	
6. Based on the abo	ve anchorage eva		nnchorage free of		X	N]
Skid mounting and			onditions.					



Equipment ID No	e. C5792A LB2 Equip. Class 20a. Inst. in control panel/c	abinet			
Equipment Descri	iption SFRCS CHANNEL 2 LOGIC BOARD			***	-
Interaction Effec		Y	N_	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X			
		Y	N	U	N/A
and masonry blo Seismic capacity of	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? of block walls in the area verified. 5197 confirmed to be adequate based on Ref C-CSS-C5792	X		<u> </u>	
9. Do attached lin	es have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Rased on the s	above seismic interaction evaluations, is equipment free	Y	N	U	l
	ndverse seismic interaction effects?			-	
Other Adverse C	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 (Addi	tional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam I. Halffish Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012		-	

Seismic Walkdown Checklist (SWC)

Equipment ID No. C5792A LB2 Equip. Class 20a. Inst. in control panel/cabinet

Equipment Description SFRCS CHANNEL 2 LOGIC BOARD



C5792A plate ID Plate of component



C5792A general General view of component

Seismic Walkdown Checklist (SWC)

Equipment ID No. C5792A LB2 Equip. Class 20a. Inst. in control panel/cabinet

Equipment Description

SFRCS CHANNEL 2 LOGIC BOARD



C5792A anchorage Partial view of anchorage, view is typical of all anchors



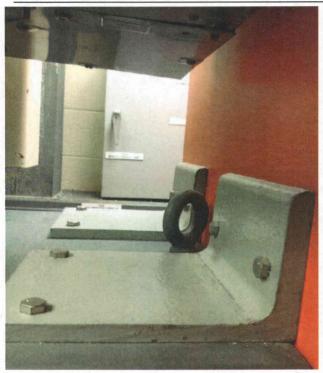
C5792A bolted to cabinet at right Adjacent cabinets are bolted together

Seismic Walkdown Checklist (SWC)

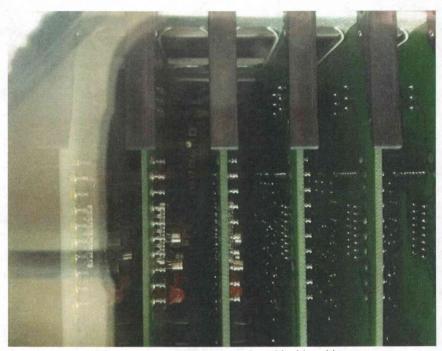
Equipment ID No. C5792A LB2 Equip. Class 20a. Inst. in control panel/cabinet

Equipment Description

SFRCS CHANNEL 2 LOGIC BOARD



C5792A bolted to cabinet at left Adjacent cabinets are bolted together



C5792A logic board inside cabinet View of Logic Board inside the cabinet



Seismic Walkdown Checklist (SWC)

potentially adverse seismic conditions?

Equipment ID No.	C73-1	Equip. Class	9. Fans					
Equipment Descrip	tion	AFP ROOM EXHAU	ST FAN					- -
Location: Bldg.	AUXB	Floor El.	565	Room	237	-		
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to opelow each	Checklist document the results of of the following question rovided at the end of the	ons may be use	d to record the re	sults of jud	lgments an		
Anchorage								
1. Is the anchorage	configurati	on verification required	l (i.e., is the iter	n one	X	N_]	
		requiring such verificat					_	
		· isolators supported by teel support structure, v		ed to the				
Q-deck with four 3/		• •			Y	N	U	N/A
_		t, broken, missing or lo			X			
No missing bolts id	entified ass	ociated with componen	t supports.					
					Y	N	U	N/A
	free of corr	rosion that is more than	mild surface		X			
oxidation? None observed duri	ing inspecti	ion.						
4 Is the anchorage	free of visi	ble cracks in the concre	ete near the ancl	nore?	Y	N N	U	$\frac{N/A}{X}$
1. Is the unenorage	iree or visi	bic cracks in the cohere	ne near the aner	1013:	<u> </u>	<u> </u>	1	Α
					V	NI	11	NI/A
5. Is the anchorage	configurati	on consistent with plan	t documentation	19	$\frac{Y}{X}$	N	U_	N/A
(Note: This quest	tion only ap	oplies if the item is one	of the 50% for	**		<u> </u>	<u> </u>	L
		guration verification is r		_				
		pporting the fan suppor	t assembly are s	shown to				
ve seismically adeq	uaie in Cal	lculation C-CSS-73-1.			Y	N	U	
6. Based on the abo	ve anchora	ge evaluations, is the a	nchorage free o	f	X]



Status (Y) N	U	
--------------	---	--

Equipment ID No.	<u>C73-1</u> Equip. Class 9. Fans					
Equipment Descrip	ption AFP ROOM EXHAUST FAN					
Interaction Effect 7. Are soft targets	ts free from impact by nearby equipment or structures?		Y	N	U	N/A
	quipment, distribution systems, ceiling tiles and lighting ck walls not likely to collapse onto the equipment?	g,	Y	N	U	N/A
9. Do attached line	es have adequate flexibility to avoid damage?		Y X	N	U	N/A
	bove seismic interaction evaluations, is equipment free dverse seismic interaction effects?	;	Y	N	U	
adversely affect	onditions ed for and found no other seismic conditions that could t the safety functions of the equipment? S-73-1 evaluates the expansion joints and shows seismi		Y	N	U U	
Comments (Addit	cional pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012		-	
	Adam L. Helffrich	Date:	7/25/2012			

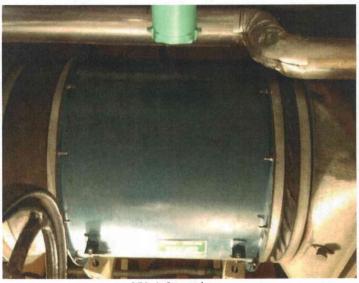
Seismic Walkdown Checklist (SWC)

Equipment ID No. C73-1

Equip. Class 9. Fans

Equipment Description

AFP ROOM EXHAUST FAN



C73-1 General General view of component



C73-1 plate and anchorage no lateral bracing View of anchorage, no lateral bracing is visible for hanging fan



Status:	(Y)N	U
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Equipment ID No.	<u>C78-</u> 2	_ Equ	iip. Class	9. Fans							
Equipment Descrip	tion	BATTERY	ROOM V	ENT FAN	2-2						• •
Location: Bldg.	AUXB	_ Flo	or El.	603	-	Room	428A				
Manufacturer, Mod	el, Etc.										
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to opelow each	document the of the follow	ing questi	ons may be	used to re	ecord the	results of	judgme			
Anchorage											
1. Is the anchorage of the 50% of SV	VEL items i	requiring suc	h verifica	tion)?	e item one		X		N		
Anchors identified i SQUG calc C-CSS-					ponent.				NI	T T	NI/A
2. Is the anchorage free of ben None observed during walkdo			ssing or lo	ose hardwa	are?		X		<u>N</u>	U	N/A
3. Is the anchorage oxidation?	free of corr	osion that is	more thar	ı mild surfa	ce		Y X		N_	U	N/A
None observed duri	ing walkdov	vn.									
4. Is the anchorage <i>Anchors installed th</i>			the concr	ete near the	anchors?		Y X		N	U	N/A
5. Is the anchorage	configuratio	on consistent	with plar	nt documen	tation?		Y	1	N	U	N/A
(Note: This quest which an ancho Yes. Verification ba Calcualtion C-CSS-	tion only ap rage config used on calc	oplies if the in uration verificulations for	em is one ication is componer	of the 50% required.) at C78-1, ca	for alc ID C-C					-	I
6. Based on the abo	ve anchora	ge evaluation			_	-	Y X		N	U]



Equipment ID No.	Equip. Class 9. Fans				
Equipment Descript	ion BATTERY ROOM VENT FAN 2-2				•
Interaction Effects		Y	N	U	N/A
	ree from impact by nearby equipment or structures? not a concern due to fan elevation.	X			
8. Are overhead equ	tipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
and masonry block Seismic capacity of	k walls not likely to collapse onto the equipment? block walls in the area verified. ified to be seismically adequate				
	0-B001-100, Rev 14 (12/6/88). have adequate flexibility to avoid damage?	Y	N	U	N/A
	, ,	<u> </u>			
	ove seismic interaction evaluations, is equipment free	Y	N	U	
of potentially adv	verse seismic interaction effects?				
	nditions d for and found no other seismic conditions that could the safety functions of the equipment?	YX	N	U_	
					•
	onal pages may be added as necessary) equately stiffened against lateral motion with bracing and compo	nent framing			
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Blum Date:	7/25/2012		-	
	Adam L. Helffrich				

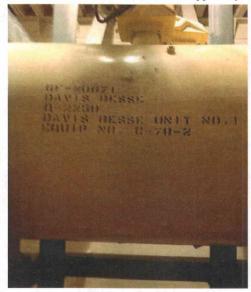
Seismic Walkdown Checklist (SWC)

Equipment ID No. C78-2

Equip. Class 9. Fans

Equipment Description

BATTERY ROOM VENT FAN 2-2



C78-2 Plate
ID Plate of component



C78-2 General General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. C78-2

Equip. Class 9. Fans

Equipment Description

BATTERY ROOM VENT FAN 2-2



C78-2 anchorage
Partial view of anchorage, view is typical of all anchors



Seismic Walkdown Checklist (SWC)

potentially adverse seismic conditions?

****			- -
113			
sults of jud	gments an		
17	N		
Y	X]	
Y	N	U	N/A
			X
Y	N	U	N/A
		<u> </u>	X
Y	N	U	N/A
		<u> </u>	X
Y	N	U	N/A
			X
	y Y	y N Y N Y N Y N Y N	y N U Y N U Y N U



Status(Y)N U

Equipment ID No	b. <u>CC1469</u> Equip. Class 7. Pneumatic-Oper	ated Valve	es			
Equipment Descri	iption AOV CC 1469					
Interaction Effec			Y	N	- U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?		X		1	
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?	,	<u> </u>			
9. Do attached lin	es have adequate flexibility to avoid damage?		Y	N	U	N/A
	owed adequate flexibility.		Α		1.	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		Y	N	U	
					- -	
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U_	
Comments (Addi	itional pages may be added as necessary)				-	
	- 101 Ai					
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012		-	
	Show Define	Date:	7/25/2012			
	Adam L. Helffrich	_		****	-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. CC1469

Equip. Class 7. Pneumatic-Operated Valves

Equipment Description

AOV CC 1469



CC1469 General view of component



Equipment ID No.	CS1530	Equip. Clas	ss 8A. Motor-C	perated Valves				
Equipment Descrip	otion <u>(</u>	CONTAINMENT S	SPRAY TRAIN	1 INJECTION V	VALVE AT	PUMP 1-1	DISCHA	RGE
Location: Bldg.	AUXB	Floor El.	585	Room	303	-		
Manufacturer, Mod	lel, Etc.			· · · · · · · · · · · · · · · · · · ·			_	
Instructions for C This checklist may SWEL. The space I findings. Additiona	be used to do below each of	ocument the results f the following que	stions may be us	ed to record the	results of jud	lgments an		
Anchorage					Y	N		
1. Is the anchorage of the 50% of SV	-	n verification requinquiring such verific		em one		X]	
2. Is the anchorage	free of hent	hroken missing or	loose hardware?		Y	N	U_	N/A
Limitorgue has a na cover on that is not of component.	ut on the lowe	er part of the actua	tor that holds the	2		<u> </u>	<u> </u>	
2.7.4. 1	6 6				Y	N	U	N/A
3. Is the anchorage oxidation?	free of corros	sion that is more the	an mild surface		X		<u> </u>	
4. Is the anchorage	free of visible	e cracks in the cond	crata near the and	chare?	Y	N_	U_	N/A
Main line anchor sa Main line presents	upport shows	not enough grout l	below anchor pla	ite.				
5. Is the anchorage	configuration	n consistent with pl	ant documentation	on?	Y	N	U	N/A X
(Note: This ques	tion only app	lies if the item is or ration verification i	ne of the 50% for					
6. Based on the abo	ove anchorage	e evaluations, is the	anchorage free	of	Y	N	U]
potentially adve	_	· ·	٥					-



Equipment ID No	Equip. Class 8A. Motor-Operated Valves	3		
Equipment Descri	iption CONTAINMENT SPRAY TRAIN 1 INJECTION	VALVE AT PUMP	1-1 DISCHA	RGE
Interaction Effect 7. Are soft targets	ets a free from impact by nearby equipment or structures?	Y N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting, bock walls not likely to collapse onto the equipment?	Y N	U	N/A
	es have adequate flexibility to avoid damage? otion confirmed acceptable per calc 1B R/12.	Y N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y N	U]
	Conditions ked for and found no other seismic conditions that could t the safety functions of the equipment?	Y N	 U]
Comments (Addi	tional pages may be added as necessary)			
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		
	Adam L. Helffrich	7/25/2012		

Seismic Walkdown Checklist (SWC)

Equipment ID No. CS1530

Equip. Class 8A. Motor-Operated Valves

Equipment Description

CONTAINMENT SPRAY TRAIN 1 INJECTION VALVE AT PUMP 1-1 DISCHARGE



CS1530 plate ID Plate of component



CS1530 general
General view of component



Valve located to the side of main line right before wall penetration.

Status: YN U

Equipment ID No.	CV-5005	Equip. Class	0d. Other - check	k/manual va	lve			
Equipment Descrip	tion PUR	GE VALVE ISO	DLATION					-
Location: Bldg.	AUXB	Floor El.	643	Room	600			
Manufacturer, Mod	el, Etc.						_	
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to docum below each of the	ent the results o following quest	ions may be used to	record the	results of jud	gments an		
Anchorage					Y	N		
1 Is the anchorage	Is the anchorage configuration verification required (i.e., is the item one						1	
of the 50% of SV	-	•	, ,	ne		X	J	
2 Is the anchorage	free of hout brok	an missing or le	oogo houdssamo?		Y	N	U	N/A X
2. Is the anchorage	nee of bent, brok	en, missing or ic	ose nardware?				<u> </u>	
2. In the condition	C C .	al al al			Y	N	U_	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface				<u> </u>	X
oxidation?					Y	N	U	N/A
4. Is the anchorage	free of visible cra	icks in the concr	ete near the anchor	s?				X
					Y	N _	U	N/A
5. Is the anchorage								X
(Note: This quest which an ancho	tion only applies i rage configuration							
					Y	N	U	
6. Based on the abo			inchorage free of		X		<u> </u>]
notentially adver	rse seismic condit	tions?						



Equipment ID No	o. <u>CV-5005</u> Equip. Class 0d. Other - check/m	anual val	ve			
Equipment Descr	iption PURGE VALVE ISOLATION					•
	Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?				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
	nes have adequate flexibility to avoid damage? und with adequate flexibility.		Y	N	U	N/A
	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?		Y	N	U U	
Comments (Addi	itional pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012			
	Adam L. Helffrich	Date:	7/25/2012			

Seismic Walkdown Checklist (SWC)

Equipment ID No. CV-5005

Equip. Class 0d. Other - check/manual valve

Equipment Description

PURGE VALVE ISOLATION



CV-5005 general
General view of valve connected to main lines



Status Y N	U
\ /	

Equipment ID No.	<u>D1</u>	_ Equip. Cl	ass 3. Medi	um Voltage	Switchge	ear			
Equipment Descript	tion	BUS D1							
Location: Bldg.	AUXB	_ Floor El.	585		Room	323	_		
Manufacturer, Mod	el, Etc.	Manager and Control of the Control o			_			_	
Instructions for Co This checklist may SWEL. The space b findings. Additional	be used to elow each	document the result of the following qu	estions may l	e used to re	cord the	results of jud	lgments an	he ad	
Anchorage			-	,					
1 Is the anchorage	. Is the anchorage configuration verification required (i.e., is the item one						N X	7	
	/EL items	requiring such verif		ne item one		.		j	
						Y	N	U	N/A
2. Is the anchorage						X			
Verified plug welds						ac D1			
Verification of anch	orage of o	iner sections aejerr	ea to previou	s SEWS in C	ale C-Ci	SS-D1. Y	N	U	N/A
3. Is the anchorage oxidation?	free of corr	rosion that is more than mild surface				X			14/11
None observed duri	ng inspecti	on.							
1 Is the anchorage	Cunn ne vini	hla ana las in 4h a an		1 0		X	N	U	N/A
4. Is the anchorage a None observed duri			ncrete near th	e anchors?		X			
						Y	N	U	N/A
5. Is the anchorage	configurati	on consistent with r	olant docume	ntation?		1	1		X
(Note: This quest	ion only aprage config sed and and alculation configurati	oplies if the item is a curation verification chorage inside cabi was used and it was	one of the 50 th is required.) net could not verified that	% for be verified. anchorage	capacity				
						V	Nī	T T	
6. Based on the above	ve anchora	ge evaluations, is th	e anchorage	free of		X	N	U	
potentially adver								·	I



Equipment ID No	o. <u>D1</u>	Equip. Class 3. Medium Volta	ige Switchge	ear			
Equipment Descr	iption	BUS DI			* ** ***********		
	free from	impact by nearby equipment or structures?		Y	N	U	N/A
		identified in the area. distribution systems, ceiling tiles and lighting	ισ	Y	N	U	N/A
		not likely to collapse onto the equipment?	15,				
		equate flexibility to avoid damage?		Y	N	U	N/A
Relative movemen are rigidly connec		ncern since attached lines omponent.		Y	N	U	
of potentially a	adverse sei	mic interaction evaluations, is equipment fre smic interaction effects? dged not to be operability issue.	e	X			
						-	
	ked for and	I found no other seismic conditions that coul y functions of the equipment?	d	Y	N	U	
Comments (Addi	tional page	es may be added as necessary)				-	
		,					
Evaluated by:	Eddie 1	M. Guerra	Date:	7/25/2012		-	
		Blum Dellow	Date:	7/25/2012	·	-	
	Adam	L. Helffrich					

Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.	D1	Equip. Class	3. Medium Voltage Switchgear	

Equipment Description BUS D1



D1 Plate ID
ID Plate of component



D1 General General view of component



Status: N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. D1 Equip. Class 3. Medium Voltage Switchgear

Equipment Description BUS D1



D1 Inside Cabinet
View of floor detail inside D1 cabinet



Statur YN U

Equipment ID No. <u>D1_EI</u>	D Equip. Clas	s 1. Motor Conti	rol Centers				
Equipment Description	MCC 1						
Location: Bldg. AUXE	Floor El.	603	Room	429	-		
Manufacturer, Model, Etc.		· · · · · · · · · · · · · · · · · · ·					
Instructions for Completing This checklist may be used SWEL. The space below ea findings. Additional space in the space in	to document the results ch of the following ques	stions may be used	to record the	results of jud	gments an		
Anchorage				V	λī		
1. Is the anchorage configur	ration verification requir	ed (i.e. is the item	one	X	N	1	
of the 50% of SWEL iten MCC composed of 14 section of 5.5" long 3/16" welds at 1	ns requiring such verific ons welded to embedded	ation)? channels with an				J	
of the vong to rectus and	ironi una vaca oj inc un			Y	N	U	N/A
2. Is the anchorage free of b	ent, broken, missing or	loose hardware?		X			
3. Is the anchorage free of c oxidation?	orrosion that is more tha	an mild surface		Y X	N	U	N/A
None observed during walk	down.						
4. Is the anchorage free of v		rete near the anch	ors?	Y X	N	U	N/A
None observed during walk	aown.			Y	N	U	N/A
5. Is the anchorage configur	ration consistent with pla	ant documentation	?	X			
(Note: This question only which an anchorage con Top bracing verified agains CSS-CS-DCMCC1 verified	figuration verification is t drawing C-0233 and S	s required.)					
6. Based on the above anchorontelly adverse seism		anchorage free of		Y X	N	U	



Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	
7. Are soft targets free from impact by nearby equipment or structures? X Y N U 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U 9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. Y N U Y N U Y N U Y N U N U 10. Based on the above seismic interaction evaluations, is equipment free	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. Y N U X V V V V V V V V V	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. Y N U Y N U 10. Based on the above seismic interaction evaluations, is equipment free	
9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. Y N U Y N U 10. Based on the above seismic interaction evaluations, is equipment free	N/A
9. Do attached lines have adequate flexibility to avoid damage? Cabinets are interconnected and braced to wall at top. Y N U 10. Based on the above seismic interaction evaluations, is equipment free	
Y N U 10. Based on the above seismic interaction evaluations, is equipment free X	N/A
10. Based on the above seismic interaction evaluations, is equipment free X	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? X U	
Comments (Additional pages may be added as necessary)	
Evaluated by: Date: 7/25/2012	
Eddie M. Guerra Date: 7/25/2012 Adam L. Helffrich	

Seismic Walkdown Checklist (SWC)

Equipment ID No. D1_ED Equip. Class 1. Motor Control Centers

Equipment Description MCC 1



D1_ED plate
ID Plate of component



D1_ED general General view of component



D1_ED stitch weld Partial view of welded base detail.



Equipment ID No.	DIN	Equip. Class	14. Distribution	Panels				
Equipment Descripti	on PNL	DIN						- -
Location: Bldg.	AUXB	Floor El.	603	Room	429A	_		
Manufacturer, Mode	l, Etc.							
Instructions for Con This checklist may b SWEL. The space be findings. Additional	e used to documelow each of the	ent the results of following questi	ons may be used t	o record the	results of jud	lgments an		
Anchorage								
1. Is the anchorage coof the 50% of SW Similar anchorage co	EL items requiri	ng such verificat	ion)?	one	Y X	N]	
2. Is the anchorage fi			ose hardware?		Y X	N_	U	N/A
3. Is the anchorage fi oxidation?	ree of corrosion	that is more than	mild surface		Y X	N	U	N/A
No signs of excesive	corrosion identi	fied during inspe	ection.					
4. Is the anchorage fi			ete near the anchor	rs?	Y X	N	U	N/A
5. Is the anchorage co	onfiguration con	sistent with nlan	t documentation?		Y	N_	U	N/A
(Note: This questic which an anchora Configuration for D2 identifies the configu confirmed in the field	on only applies in age configuration 2N is used as referration as four 7/100 as four 7	f the item is one n verification is reference. Drawing 8"diam anchor l	of the 50% for equired.)					
6. Based on the abov potentially advers			nchorage free of		Y X	N	U]



Equipment ID No	. <u>D1N</u>	Equip. Class 14. Distribution P	anels				
Equipment Descri	ption	PNL D1N					•
Interaction Effect 7. Are soft targets		impact by nearby equipment or structures?		Y	N	U	N/A
8. Are overhead e	quipment, (distribution systems, ceiling tiles and lighting	g,	Y	N	U	N/A
and masonry blo No maintenance e	ock walls ne quipment i	ot likely to collapse onto the equipment? dentified in the area.					
9. Do attached line	es have ade	equate flexibility to avoid damage?		Y	N	U	N/A
		nic interaction evaluations, is equipment free mic interaction effects?		Y	N	U	l
	ed for and	found no other seismic conditions that could functions of the equipment?	I	Y	N	U	
		s may be added as necessary) associated with D1N.			**************************************	-	
Evaluated by:	Eddie M	Addition Michael 1. Guerra	Date:	7/25/2012			
	Adam L	Chang Deffmu	Date:	7/25/2012		-	

Seismic Walkdown Checklist (SWC)

Equipment ID No. D1N Equip. Class 14. Distribution Panels

Equipment Description PNL D1N



D1N plate
ID Plate of component



D1N General General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. D1N

Equip. Class 14. Distribution Panels

Equipment Description

PNL D1N



D1N anchorage
Partial view of anchorage, view is typical of all anchors



Status (Y)N U

Equipment ID No.	D2_ED	_	Equip. Class	1. Motor C	ontrol Ce	nters					
Equipment Descrip	tion	MCC 2	2								- -
Location: Bldg.	AUXB	_	Floor El.	603		Room	428				
Manufacturer, Mod	lel, Etc.										
Instructions for C This checklist may SWEL. The space I findings. Additiona	be used to below each	documer	nt the results of Illowing questi	ons may be i	ised to rec	ord the	results of	judgm			
Anchorage											
							Y		N	_	
1. Is the anchorage					item one		X]	
of the 50% of SV			-								
MCC composed of					an averag	ze					
of 5.5" long 3/16" v	veias ai jro	nt ana b	ack of the unit.				v		NI	T T	NI/A
2. Is the anchorage	free of hen	t broker	missing or lo	ose hardwar	- 2		Y		N	U	N/A
No access to inside					<i>-</i>					I	
Missing bolt mention	-				reauest 9	05-1368.					
o .					7		Y		N	U	N/A
3. Is the anchorage oxidation?	free of con	rosion th	at is more than	mild surface	:		X				
No excesive corros	ion identific	ed aroun	d base detail.								
							Y		N	U	N/A
4. Is the anchorage	free of visi	ble cracl	cs in the concre	ete near the a	nchors?		X			[
No cracks identified								<u> </u>			
							Y		N	U	N/A
5. Is the anchorage	configurati	on consi	stent with plan	t documenta	tion?		X				
(Note: This ques which an ancho	rage config	guration	verification is r	equired.)				•			
Top bracing provia CSS-CS-DCMCC1											
6. Based on the abo	ve anchora	ige evalu	ations is the a	nchorage fre	e of		YX		N	U	1
potentially adve		-								L	J



Equipment ID No	Equip. Class 1. Motor Control Centers				
Equipment Descr	ription MCC 2				
Interaction Effec		Y	N	U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?	X	*****		
8. Are overhead ε	equipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
	ock walls not likely to collapse onto the equipment?	<u> </u>			
0. Da assala dilia		Y	N_	U	N/A
	nes have adequate flexibility to avoid damage? at the top by large conduits providing lateral restraint.	X			
10. Based on the	above seismic interaction evaluations, is equipment free	Y	N	U	
of potentially	adverse seismic interaction effects?	•			
Other Adverse (Conditions				
11. Have you look adversely affe	ked for and found no other seismic conditions that could ct the safety functions of the equipment? t found near the area. Judged not to be a significant interaction.	Y	N	U	
	itional pages may be added as necessary)	·			
`					
	The Will Sign				
Evaluated by:	Eddie M. Guerra Date:	7/25/2012			
	Date:	7/25/2012			
	Adam L. Helffrich	1123/2012			

Seismic Walkdown Checklist (SWC)

Equipment ID No. D2_ED Equip. Class 1. Motor Control Centers

Equipment Description MCC 2



D2 ED plate
ID Plate of component



D2 ED general General view of component



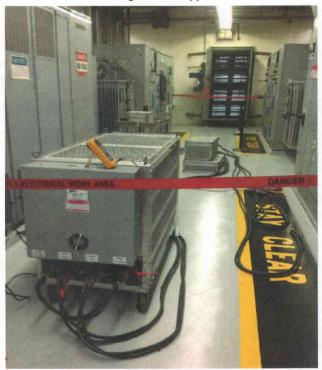
Seismic Walkdown Checklist (SWC)

Equipment ID No. D2_ED Equip. Class 1. Motor Control Centers

Equipment Description MCC 2



D2 ED stitch weld
Partial view of anchorage, view is typical of all anchors



D2 ED carts int
Unsecured carts near unit can cause relay chatter on impact



Equipment ID No.	D2N	Equip. Class	14. Distribution Pa	nels				
Equipment Descrip	tion PNI	D2N						-
Location: Bldg.	AUXB	Floor El.	603	Room	428B			
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 Walkdo ons may be used to r is checklist for docu	ecord the	results of jud	gments an		
Anchorage								
1 7 .1 1	<i>a</i>				Y	N	1	
_	-	•	l (i.e., is the item one	9	X]	
This panel is part of	-	ring such verificat						
is anchored to the c	-		•					
	onereie minijou	1 3/4 alameter al	chor bons.		Y	N	U	N/A
2. Is the anchorage	free of bent, bro	ken, missing or lo	ose hardware?		X		I	
No missing parts or	· degraded condi	tion identified du	ring the inspection.					
					Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface		X			
No significant corre	osion idantifiad i	n cahinat and mo	untina hasa					
no significam corre	osion identified i	n cavinei ana moi	mung vase.					
					Y	N	U	N/A
4. Is the anchorage	free of visible cr	acks in the concre	ete near the anchors?		X			
_							•	
					Y	N	U	N/A
5. Is the anchorage					X		<u> </u>	
-		if the item is one						
		on verification is r	equirea.) fication of the ancho	rage for th	his nanel			
2200 calemanon	C COO ITT HICH	mes seismie quaij	neation of the unche	ruge joi ti	нь ринет.			
					Y	N	U	
6. Based on the abo	ve anchorage ev	aluations, is the a	nchorage free of		X]]
potentially adver	rse seismic cond	itions?	-					-



Equipment ID No	Equip. Class 14. Distribution Panels				
Equipment Descri	iption PNL D2N				
Interaction Effec		Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X			
Q. A		Y	N	U	N/A
and masonry blo Seismic capacity of Block wall 4016 v	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? of block walls in the area verified. verified to be to be seismically adequate V20-B001-100, Rev 14 (12/6/88).	X	N.	11	NI/A
	es have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the a	above seismic interaction evaluations, is equipment free	Y	N	U	
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y	N	- U_	
Comments (Addi	tional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012		=	



Seismic Walkdown Checklist (SWC)

Equipment ID No.	D2N	Equip. Class	14. Distribution Panels
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Equipment Description PNL D2N



D2N plate
ID Plate of component



D2N general
General view of component

Seismic Walkdown Checklist (SWC)

Equipment ID No. D2N

Equip. Class 14. Distribution Panels

Equipment Description

PNL D2N



D2N 4 anchor bolts
Partial view of anchorage, view is typical of all anchors



D2N masonry walls
Potential interaction hazard from masonry wall near unit



Equipment ID No.	D2P	Equip. Class	14. Distribution Pa	nels				
Equipment Descrip	tion	PNL D2P						- -
Location: Bldg.	AUXB	Floor El.	603	Room	428	-		
Manufacturer, Mod	el, Etc.			_				
SWEL. The space b	be used to o	Checklist locument the results of of the following questi rovided at the end of the	ons may be used to r	ecord the	results of jud	lgments and		
Anchorage								
_		on verification required equiring such verificat	` '	:	X	N L		
2. Is the anchorage	free of bent	, broken, missing or lo	ose hardware?		Y X	N	U	N/A
3. Is the anchorage oxidation?	free of corre	osion that is more than	mild surface		Y	N	U	N/A
No significant corre	osion identij	feid						
4. Is the anchorage	free of visib	ole cracks in the concre	ete near the anchors?		Y X	N	U	N/A
5. Is the anchorage	configuration	on consistent with plan	it documentation?		Y	N	U	N/A
(Note: This quest which an anchor	ion only ap rage configi dentifies the	plies if the item is one uration verification is a econfiguration as four	of the 50% for equired.)	nd it was		I		<u></u>
6. Based on the aboretentially adver		ge evaluations, is the a conditions?	nchorage free of		Y X	N	U]



Equipment ID No	Equip. Class 14. Distribution Panels				
Equipment Descri	iption PNL D2P				
Interaction Effec		Y	N	- U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?	X		<u> </u>	
and masonry blo	equipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?	Y	N	U	N/A
Fire extinguisher	in area judged not to be an operability issue.	Y	N	U	N/A
9. Do attached lin	nes have adequate flexibility to avoid damage?	X	-		
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U	
	Conditions ked for and found no other seismic conditions that could ct the safety functions of the equipment?	Y	N	- U	
Comments (Addi	itional pages may be added as necessary)				
Evaluated by:	Eddie M. Guerra Date	e: <u>7/25/2012</u>	<u>.</u>		
	Adam L. Helffrich	e: <u>7/25/2012</u>	·		



Seismic Walkdown Checklist (SWC)

Equipment ID No. D2P Equip. Class 14. Distribution Panels

Equipment Description PNL D2P



D2P plate ID Plate of component



D2P general General view of component



D2P anchor bolts
Partial view of anchorage, view is typical of all anchors



Status: YN	U
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Equipment ID No.	DA-3783	Equip. Class	8B. Solenoid Valv	es				
Equipment Descrip	tion <u>SOI</u>	ENOID VALVE	FROM AIR STAR	RECEIV	ER 1-1-1, T	86-1		- -
Location: Bldg.	AUXB	Floor El.	585	Room	318	_		
Manufacturer, Mod	el, Etc.			_				
SWEL. The space b	be used to docume low each of the	nent the results of following questi	f the Seismic Walkdo ons may be used to r nis checklist for docu	ecord the	results of jud	lgments an		
Anchorage								
	_				Y	N	-	
_	-	•	d (i.e., is the item one	•		X	J	
of the 50% of SW Mounted on 1/4" pi		ing such verifica	tion)?					
					V	NI	T T	N1/A
2. Is the anchorage	free of bent, brok	ken, missing or lo	ose hardware?		Y	N	U	N/A X
3	,	, g				<u> </u>		
					Y	N	U	N/A
3. Is the anchorage	free of corrosion	that is more than	mild surface					X
oxidation?								
4. Is the anchorage	free of visible cr	acks in the concr	ete near the anchors?		Y	N	<u>U_</u>	N/A X
. Is the anonorage	iree of visible en	acks in the concre	the mean the anchors:		L.,	<u> </u>		
					Y	N	U	N/A
5. Is the anchorage	configuration co	nsistent with plan	t documentation?					X
-		pplies if the item is one of the 50% for guration verification is required.)						
					Y	N	U	
6. Based on the abo			nchorage free of		X]
potentially adver	se seismic condi	tions?						



Adam L. Helffrich

Status Y N U

Equipment ID No. DA-3783 Equip. Class 8B. Solenoid Valves				
Equipment Description SOLENOID VALVE FROM AIR START RECEI	VER 1-1-1, T8	36-1		-
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y	N	- U	N/A
Components is surrounded by air compressor tanks. No significant potential interaction was founded.			<u> </u>	<u>L</u>
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y	N	U	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y	N	- <u>U</u>	I
Comments (Additional pages may be added as necessary)			_	
Evaluated by: Eddie M. Guerra Date:	7/25/2012		-	
Chary Define Date:	7/25/2012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. DA-3783 Equip. Class 8B. Solenoid Valves

Equipment Description SOLENOID VALVE FROM AIR START RECEIVER 1-1-1, T86-1



DA3783 plate ID Plate of component



DA3783 general General view of component



adverse condition were identified for previous similar cases.



Equipment ID No.	<u>DBC1PN</u>	Equip. Class	16. Battery Cha	rgers and	Inv	erters			
Equipment Descrip	tion <u>CH</u>	ARGER (Newly	installed equipmen	nt)					- -
Location: Bldg.	AUXB	Floor El.	603	Roo	om	429			
Manufacturer, Mod	el, Etc.								
Instructions for Control This checklist may SWEL. The space of findings. Additional	be used to docur below each of the	nent the results o e following quest	ions may be used	to record	the 1	results of jud	gments an		
Anchorage						***	.		
1. Is the anchorage	configuration ve	rification require	d (i.e., is the item	one		Y	N X	1	
of the 50% of SV Four 1" diameter a Stiffened base on ~	VEL items requing the second of the vertical terms of the vertical	ring such verifica s and six 1" diam	tion)?					J	
	0 01					Y	N	U	N/A
2. Is the anchorage No access to mount		_							X
						Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	n mild surface						X
4 Y al - 1						Y	N	U	N/A
4. Is the anchorage	tree of visible cr	acks in the concr	ete near the ancho	rs?					X
						Y	N	U	N/A
5. Is the anchorage (Note: This quest which an ancho	tion only applies		of the 50% for				<u> </u>		X
6. Based on the abo	ve anchorage ev	aluations, is the a	unchorage free of			Y	N	U	1
potentially adver Based on previously is presented by this	rse seismic cond v inspected simil	itions? ar mounting and	skid details, it is j	_		potential ad	verse con	dition	I



Equipment ID No	Equip. Class 16. Battery Charger	s and Inv	erters			
Equipment Descri	iption CHARGER (Newly installed equipment)					
Interaction Effec			Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
			Y	N	U	N/A
and masonry blo Seismic capacity o Block wall 4016 v	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment? of block walls in the area verified. verified to be to be seismically adequate		X			
-	V20-B001-100, Rev 14 (12/6/88). zuisher judged not to be an operability issue.		Y	N	U	N/A
9. Do attached lin	es have adequate flexibility to avoid damage?		X	11		IV/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		Y	N	U	
Other Adverse C		***************************************			-	
	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)				-	
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012		-	
	Adam L. Helffrich	_Date:	7/25/2012		-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>DBC1PN</u>

Equip. Class 16. Battery Chargers and Inverters

Equipment Description

CHARGER (Newly installed equipment)



DBC1PN plate
ID Plate of component



DBC1PN general
General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. DBC1PN

Equip. Class 16. Battery Chargers and Inverters

Equipment Description

CHARGER (Newly installed equipment)



DBC1PN anchorage inaccessible Anchorage is not visible



()	Status:	M	U
-----	---------	---	---

Equipment ID No.	DBC2P	Equip. Class 16. Battery Chargers and Inverters									
Equipment Descript	tion	CHARGER	2 2 P								
Location: Bldg.	AUXB	_ Flo	or El.	603	_	Room	428				
Manufacturer, Mod	el, Etc.				<u>.</u>	<u>-</u>					
Instructions for Co This checklist may SWEL. The space b findings. Additional	be used to elow each	document the of the follow	ing quest	ions may be	e used to re	cord the	results of	udgment			
Anchorage											
1. Is the anchorage	configurați	on verificatio	n require	d (ie is th	e item one		Y	$\frac{N}{1}$			
of the 50% of SW Skid mounting ident	VEL items	requiring suc	h verifica		e item one						
							Y	N	U	J	N/A
2. Is the anchorage No missing parts or			-				X				
							Y	N	υ	Ī	N/A
3. Is the anchorage oxidation?	free of corr	osion that is	more than	n mild surfa	ce		X				1777
No significant corre	osion identi	ified in cabin	et and ma	ounting base	2.						
							Y	N	U	J	N/A
4. Is the anchorage No cracks identified			the concr	ete near the	anchors?		X				
							Y	N	U	ī	N/A
5. Is the anchorage	configurati	on consistent	with plan	nt documen	tation?		X				14/11
(Note: This quest which an anchor SQUG C-CSS-DBC is adequate for the d	ion only ap rage config <i>2P calcula</i>	oplies if the in suration verif tion was used	tem is one ication is	of the 50% required.)	for	rage capo	acity				
C Daniel and the 1	1		• .1		C		Y	N	<u> </u>	J	
Based on the aborentially adver		-	is, is the a	inchorage fi	ree of		X	L			



Equipment ID No	Equip. Class 16. Battery Chargers an	d Inverters			
Equipment Descri	ption CHARGER 2P				
Interaction Effec		Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?	X		l	
8. Are overhead e	quipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
Seismic capacity o	ock walls not likely to collapse onto the equipment? of block walls in the area verified. to references found for seismic analysis.				
9. Do attached line	es have adequate flexibility to avoid damage?	Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U	
Other Adverse C		Y X	N N	- U	
Comments (Addi	tional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra	ate: <u>7/25/2</u> 0	012	-	
	Adam L. Helffrich	7/25/20	012	_	



Seismic Walkdown Checklist (SWC)

Equipment ID No. DBC2P Equip. Class 16. Battery Chargers and Inverters

Equipment Description CHARGER 2P



DBC2P plate
ID Plate of component



DBC2P masonry walls
Potential interaction hazard from masonry wall near unit



adverse condition were identified for previous similar cases.

Status:	(Y	Y	U
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Equipment ID No. DBC	<u>C2PN</u> Equip. Clas	ss 16. Battery Charg	ers and Inv	erters			
Equipment Description	CHARGER (Newly	y installed equipment)					- -
Location: Bldg. AUX	KB Floor El.	603	Room	428	-		
Manufacturer, Model, Etc			_				
Instructions for Complete This checklist may be use SWEL. The space below a findings. Additional space	d to document the results each of the following que	stions may be used to	record the	results of jud	gments an		
Anchorage							
1. Is the anchorage config	uration varification requir	rad (i a ia tha itam an		Y	N X	1	
	ems requiring such verific		e		A	J	
				Y	N	U	N/A
2. Is the anchorage free of	-						X
No access to mounting and	chorage and/or document	tation.					
				Y	N	U	N/A
3. Is the anchorage free of oxidation?	corrosion that is more that	an mild surface					X
				Y	N	U	N/A
4. Is the anchorage free of	visible cracks in the cond	crete near the anchors?	•			<u>L</u>	X
5 Indoord				Y	N	U	N/A
5. Is the anchorage configuration on	uration consistent with plants of the item is or						X
	onfiguration verification is						
				Y	N	U	
6. Based on the above and		anchorage free of		X]
potentially adverse seis Based on previously inspe is presented by this newly	cted similar mounting and				lverse cond	dition	



Seismic Walkdown Checklist (SWC)

Status (Y)N U

Equipment ID No. DBC2PN Equip. Class 16. Battery Chargers and Ir	iverters			
Equipment Description CHARGER (Newly installed equipment)				
Interaction Effects	Y	N	- U	N/A
7. Are soft targets free from impact by nearby equipment or structures?	X		1	
8. Are everyood equipment distribution sections will a self-condition	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Seismic capacity of block walls in the area verified. Block wall 4016 verified to be to be seismically adequate based on ref. VBW20-B001-100, Rev 14 (12/6/88). Nearby fire extinguisher and barrier judged not to be significant interactions.	X		I	
	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	X	Nī		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y	X	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?	Y	N	U	
Comments (Additional pages may be added as necessary)			•	
Evaluated by: Date: Eddie M. Guerra	7/25/2012	******	-	
Adam L. Helffrich	7/25/2012			



Status: Y U

Seismic Walkdown Checklist (SWC)

Equipment ID No. DBC2PN

Equip. Class 16. Battery Chargers and Inverters

Equipment Description

CHARGER (Newly installed equipment)



DBC2PN plate
ID Plate of component



DBC2PN general General view of component



DBC2PN anchorage inaccessible Anchorage is not visible



Equipment ID No.	DH101	Equip. Class	0d. Other - chec	k valve or r	nanual valve			
Equipment Descripti	on SFP	Inlet Line Vent	from DHR					- -
Location: Bldg.	AUXB	Floor El.	597'	Room	312	_		
Manufacturer, Mode	l, Etc.							
Instructions for Cor This checklist may b SWEL. The space be findings. Additional	e used to documelow each of the	nent the results o following quest	ons may be used	o record the	e results of jud	dgments an		
Anchorage								
1 In the analysis :	C	• • • • •	17		<u> </u>	N	1	
1. Is the anchorage co				one		X	j	
Small check valve loc								
No degraded condition		iameter pipe tine	•					
	-				Y	N	U	N/A
2. Is the anchorage fr	ee of bent, brok	en, missing or lo	ose hardware?					X
					Y	N	U	N/A
3. Is the anchorage fr	ee of corrosion	that is more than	mild surface		1			X
oxidation?							!	
1 Is the anahomes for		1	-4	.0	Y	$\frac{N}{1}$	U	N/A
4. Is the anchorage fr	ee of visible cra	icks in the concr	ete near the ancho	rs?			<u> </u>	X
					Y	N	U	N/A
5. Is the anchorage co								X
		plies if the item is one of the 50% for uration verification is required.)						
					Y	N	U	
6. Based on the above	e anchorage eva	luations, is the a	nchorage free of		X		I]
potentially advers								=



Equipment ID No	D. DH101 Equip. Class 0d. Other - check valve or	manual valve			
Equipment Descr	iption SFP Inlet Line Vent from DHR				
Interaction Effect 7. Are soft targets	ets s free from impact by nearby equipment or structures?	Y	N	U	N/A
	equipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
Seismic capacity and Block walls 3257 based on ref. VBV	ock walls not likely to collapse onto the equipment? of block walls in the area verified. and 3267 verified to be to be seismically adequate V16-B001-083, Rev 2 (4/27/88) and				
	4, Rev 5 (4/27/88). les have adequate flexibility to avoid damage?	Y	N	U	N/A
	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 (Addi	tional pages may be added as necessary)			-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012			
	Adam I. Helffrich	7/25/2012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. DH101

Equip. Class 0d. Other - check valve or manual valve

Equipment Description

SFP Inlet Line Vent from DHR



DH101 general General view of component



Equipment ID No.	DH9B	Equip. Class	8A. Motor-Ope	erated Valves				
Equipment Descript	ion Mo	OV DH 9B						- -
Location: Bldg.	AUXB	Floor El.	545	Room	225	_		
Manufacturer, Mode	el, Etc.							
Instructions for Co This checklist may b SWEL. The space b findings. Additional	pe used to docu elow each of the	ument the results of ne following questi	ons may be used	to record the	results of jud	lgments an		
Anchorage								
1	C		17: 14:		Y	N	1	
1. Is the anchorage of the 50% of SW	-	erification required iring such verificat		one		X	J	
Valve located on lin	-	-	ion):					
					V	NI	T T	NI/A
2. Is the anchorage f	ree of bent br	oken missing or lo	ose hardware?		X	N	U U	N/A
and anonorage i	iree of bent, or	oken, missing or to	ose naraware:		A	L	L	L
2		41 41.	111 6		Y	N	U	N/A
3. Is the anchorage f oxidation?	ree of corrosic	n that is more than	mila surface		X	<u> </u>	<u> </u>	l
57 11 da								
4 7 4 1 4					Y	N	U	N/A
4. Is the anchorage f	ree of visible of	cracks in the concre	te near the ancho	ors?	X		<u> </u>	
					Y	N	U	N/A
5. Is the anchorage of				,	X			
		s if the item is one ion verification is r						
					Y	N	U	
6. Based on the abov	ve anchorage e	valuations, is the ar	nchorage free of		X			
potentially advers								-



Seismic Walkdown Checklist (SWC)

Status: Y U

Equipment ID No	Equip. Class 8A. Motor-Operated	Valves				
Equipment Descr	ription MOV DH 9B					
Interaction Effect		Y	N	U U	N/A	
7. Are soπ targets	s free from impact by nearby equipment or structures?		X	····-		
	equipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
and masonry bl	ock walls not likely to collapse onto the equipment?					
9. Do attached lir	nes have adequate flexibility to avoid damage?		Y	N	U	N/A
	und with adequate flexibility.				· · · · · · · · · · · · · · · · · · ·	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		Y	N	U	
or potentially	adverse seisinic interaction effects:					
Other Adverse (
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?					U	
Comments (Add	itional pages may be added as necessary)		\ <u>-</u>	*******	-	
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Shany Defining					
	Adam L. Helffrich	Date:	7/25/2012			



Equipment ID No. E1	Equip. Class	2. Low Voltage Sw	itchgear				
Equipment Description	BUS E1, Low Voltag	e Switchgear					- -
Location: Bldg. AU	XB Floor El.	603	Room	429			
Manufacturer, Model, Et	c	-	_				
SWEL. The space below	eting Checklist ed to document the results of each of the following questi e is provided at the end of the	ons may be used to re	ecord the r	esults of jud	gments an		
Anchorage							
1. 1. 41				Y	N	1	
	guration verification require				X		
	tems requiring such verifica 7 sections. End panels were						
	nt (2~1/4"diam at 18"oc).	ореней ини					
The grant program of the grant control of the grant program of the grant	, (2 1, 7 diam di 10 00).			Y	N	U	N/A
2. Is the anchorage free o	of bent, broken, missing or lo	ose hardware?		X			
				v	N	U	N/A
3. Is the anchorage free o	of corrosion that is more than	mild surface		X	1N	Τ	IN/A
oxidation?	The state of the s					<u> </u>	L
				Y	N	U	N/A
4. Is the anchorage free o	of visible cracks in the concre	ete near the anchors?		X			
				Y	N	U	N/A
5. Is the anchorage config	guration consistent with plan	t documentation?			11	T	$\frac{1071}{X}$
	nly applies if the item is one			L			
which an anchorage of	configuration verification is	required.)					
	nus verification based on ade						
SQUG calculations show	anchorage to be adequate f	rom previous outlier	resolution				
(D1 1 - 1	1 1 2 1 4			Y	N	U	1
6. Based on the above an potentially adverse sei	chorage evaluations, is the a ismic conditions?	nchorage free of		X			



Equipment ID No.	E1 Equip. Class 2. Low Voltage Sw	itchgear				
Equipment Descrip	BUS E1, Low Voltage Switchgear					•
Interaction Effect			Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
8. Are overhead eq	uipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
	ck walls not likely to collapse onto the equipment?		LL			
			Y	N	U	N/A
9. Do attached line <i>Top entry conduit i</i>	s have adequate flexibility to avoid damage? rigidly supported.		X			
10 Paged on the al	pove seismic interaction evaluations, is equipment free		Y	N	U	
of potentially ac						
	ed for and found no other seismic conditions that could the safety functions of the equipment?	-	Y	N	U	
adversery affect	the safety functions of the equipment:		_ A _			
Comments (Additi	ional pages may be added as necessary)					
Evaluated by:	det White	_Date:	7/25/2012			
	Eddie M. Guerra					
	Chang Definin	_Date:	7/25/2012			
	Adam L. Helffrich					



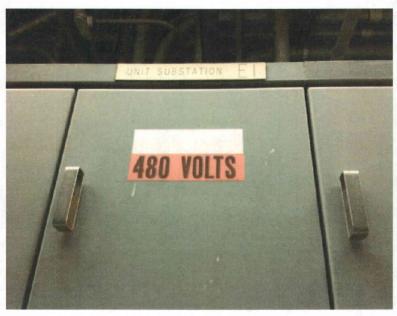
Seismic Walkdown Checklist (SWC)

Equipment ID No. E1

Equip. Class 2. Low Voltage Switchgear

Equipment Description

BUS E1, Low Voltage Switchgear



E1 plate ID Plate of component



E1 general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. E1

Equip. Class 2. Low Voltage Switchgear

Equipment Description

BUS E1, Low Voltage Switchgear



E1 anchorage inaccessible Anchorage is not visible



Status (Y) N U

Equipment ID No.	E11B	Equip. Class	1. Motor Cor	ntrol Centers				
Equipment Descript	tion	MCC E11B						- -
Location: Bldg.	AUXB	Floor El.	585	Room	304	-		
Manufacturer, Mod	el, Etc.						_	
SWEL. The space b	be used to delow each of	Checklist locument the results of of the following questic rovided at the end of the	ons may be use	ed to record the re	esults of jud	gments an	he ad	
Anchorage								
of the 50% of SW	/EL items r	on verification required equiring such verification is welded to	on)?		X	N]	
		elds. Top bracing prov			Y	N	U	N/A
2. Is the anchorage	free of bent	, broken, missing or loo	ose hardware?		X			IVA
					Y	N	U	N/A
3. Is the anchorage to oxidation?	free of corro	osion that is more than	mild surface		X		<u> </u>	
					Y	N	U	N/A
4. Is the anchorage f	free of visib	le cracks in the concre	te near the and	chors?	X			
					Y	N	U	N/A_
(Note: This quest which an anchor Top bracing of this	ion only app Tage configu MCC verifie	on consistent with plant plies if the item is one of tration verification is re- ted against Drawing C- tion calculations for the	of the 50% for equired.) 0233. SQUG	calculation	X ng.			
6. Based on the above potentially adver		ge evaluations, is the anconditions?	chorage free o	of	Y	N	U	l



Equipment ID No	5. E11B Equip. Class 1. Motor Control Cent	ters				
Equipment Descr	ription MCC E11B	_	-			
Interaction Effe		Y	N	U	N/A	
7. Are soft targets	s free from impact by nearby equipment or structures?		X			
3. Are overhead ε	equipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
	lock walls not likely to collapse onto the equipment?			I		
) Da -44- da 4 Pa			Y	N	U	N/A
. Do attached fir	nes have adequate flexibility to avoid damage?		X			·
0. Based on the	above seismic interaction evaluations, is equipment free		Y	N	U	
of potentially	adverse seismic interaction effects?					
Other Adverse (Conditions					
1. Have you loo	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)		·			
	= 101 A					
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Blum Deffine	Date:	7/25/2012			
	Adam L. Helffrich	· acc.	112312012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. E11B Equip. Class 1. Motor Control Centers

Equipment Description MCC E11B



E11B plate
ID Plate of component



E11B general General view of component



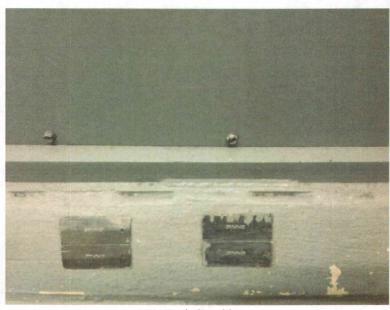
Seismic Walkdown Checklist (SWC)

Equipment ID No. E11B

Equip. Class 1. Motor Control Centers

Equipment Description

MCC E11B



E11B stitch weld Partial view of anchorage, view is typical of all anchors



E11B is bolted between E11C Units are bolted together to prevent pounding



Status: (Y) N U

Equipment ID No.	E12B	Equip. Class	1. Motor Cont	rol Centers				
Equipment Descrip	tion _	MCC E12B						- -
Location: Bldg.	AUXB	Floor El.	585	Room	318	_		
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to do elow each or	hecklist ocument the results of f the following question wided at the end of th	ons may be used	I to record the r	esults of jud	lgments an		
Anchorage							-	
1. Is the anchorage	configuration	n verification required	(i.e., is the item	n one	Y	N	1	
of the 50% of SW	/EL items re	quiring such verificat	ion)?		L			
This is a 4 section N an average of 6" loi		ing panel YE1), welde t welds per section.	d to embed chai	nels with				
		broken, missing or lo	ose hardware?		Y X	N	U	N/A
					Y	N	U	N/A
3. Is the anchorage : oxidation?	free of corro	sion that is more than	mild surface		X			
					Y	N	U	N/A
4. Is the anchorage	free of visibl	e cracks in the concre	te near the anch	ors?	X			
5. Is the anchorage	configuration	consistent with plant	t documentation	9	Y	N	U	N/A
(Note: This quest which an anchor Top bracing provide	ion only app rage configu ed by several	lies if the item is one ration verification is rule top entry conduit. So ion calculations for the	of the 50% for equired.) <i>QUG calculation</i>		Λ	<u> </u>		
6. Based on the abo potentially adver	_	e evaluations, is the aronditions?	nchorage free of		Y X	N	U	



Equipment ID No	E12B	Equip. Class 1. Motor	Control Centers				
Equipment Descr	iption	MCC E12B	, ,				
Interaction Effection 7. Are soft targets		impact by nearby equipment or struc	etures?	Y	N	U_	N/A
	a a como	impact by nearby equipment of struc	itures:	A	·	I	·
		distribution systems, ceiling tiles and	• •	Y	N	U	N/A
		not likely to collapse onto the equipm ment properly braced. No interaction					
9. Do attached lin Attached lines rig		equate flexibility to avoid damage?		Y	N	U	N/A
10. Based on the	above seisi	nic interaction evaluations, is equipn	nent free	Y	N_	U	
\sim 1/2" gap found l	between ba	smic interaction effects? ck of cabinet and water line. a problem due to rigidity of cabinet	and provided top br	racing.			
	ked for and	found no other seismic conditions the functions of the equipment?	hat could	Y	N	U	
Comments (Addi	tional page	es may be added as necessary)			· · · · · · · · · · · · · · · · · · ·		
Evaluated by:	Eddie I	M. Guerra	Date:	7/25/2012			
		Shay Defina	Date:	7/25/2012			
	Adam	Helffrich					



is provided in C-CSS-E12C and VF12/800-008 shown to be adequate.

Status (Y) N	U
Status. 1	U

Equipment ID No. E12C Equip. Class 1. Motor Control Centers				
Equipment Description MCC E12C				•
Location: Bldg. INTK Floor El. 576 Room	51			
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other	ılts of judg	gments an	ne d	
Anchorage				
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	X	N]	
This is a 4 section MCC, welded to embed channels with an average of at least 5" long, 3/16" fillet welds per section (front and back).	Y	N	U	N/A
2. Is the anchorage free of bent, broken, missing or loose hardware? No degraded conditions found for base stitch welds.	X	1		IN/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y X	N	U	N/A
	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? No cracks identified in grout at mounting base.	X			
5. Is the anchorage configuration consistent with plant documentation?	Y X	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.) Top bracing of this MCC verified against Drawing C-0233. SQUG calculation C-CSS-E12B provides qualification calculations for the base welds and the top bracing	•			
Base welds verified against drawing C-0412B, section L. 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No significant degraded condition identified during inspection. Anchorage configuration	Y X n capacity	N ,	U	



Seismic Walkdown Checklist (SWC)

Status: YN U

Equipment ID No	o. <u>E12C</u>	·	Equip. Class	1. Motor Co	ontrol Center	rs				
Equipment Descr	ription	MCC E	12C					_		-
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?				Y	N	U U	N/A			
7. Are son target	s free from	ппраст бу г	learby equipr	nent or structu	ires?		X	<u></u>	<u> </u>	
8. Are overhead e	equinment /	distribution	systems coi	ling tiles and l	iahtina		Y	N	U_	N/A
and masonry bl Scafolding found No interaction co	ock walls no near compo	ot likely to	collapse onto	the equipmer				1	<u> </u>	
							Y	N	U	N/A
	9. Do attached lines have adequate flexibility to avoid damage? Attached lines rigidly connected to cabinet.				X					
Attacnea tines rig	ziaiy connec	ctea to cabi	net.							
							Y	N	U	
10. Based on the				ns, is equipme	nt free		X			
of potentially a 1/2 gap found bet				2.						
No interaction co					ded top brac	ing.				
Other Adverse (Conditions				<u> </u>					
11. Have you loo					t could		Y	N	U	•
adversely affect the safety functions of the equipment?					X					
Comments (Add Missing grout at a an adverse seismi	lower right	of compone			not to be	_		-		
Evaluated by:	Eddie M	1. Guerra	date M	the St.	Da	te:	7/25/2012			
	Adom		lung) [b].	Albrin	Da	te:	7/25/2012			
	Adam L	Helffrich								



Seismic Walkdown Checklist (SWC)

Equipment ID No. E12C	Equip. Class	 Motor Control Centers
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Equipment Description MCC E12C



E12C plate
ID Plate of component



E12C general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. E12C

Equip. Class 1. Motor Control Centers

Equipment Description





E12C grout missing
View of mounting base showing stitch weld detail and grout



E12C gap conduit and cabinet Close up view of gap identified between back of cabinet and conduit.



Seismic Walkdown Checklist (SWC)

Equipment ID No. E12C Equip. Class 1. Motor Control Centers

Equipment Description MCC E12C



E12C Scaffold View of scafolding near component



Equipment ID No.	E22-1	Equip. Class	21. Tanks and I	Heat Exchan	gers			
Equipment Descript	tion <u>CCW I</u>	НЕАТ ЕХСНА	NGER 1-1 AT I	OISCHARGI	E OF CCW F	PUMP 43-1		-
Location: Bldg.	AUXB	Floor El.	585	Room	328	_		
Manufacturer, Mode	el, Etc.		****					
Instructions for Co This checklist may be SWEL. The space be findings. Additional	be used to documer elow each of the fo	nt the results of ollowing questic	ons may be used	to record the	results of ju	dgments an		
Anchorage								
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?			Y X	N]			
2. In the anchorage	S				Y	N	U	N/A
2. Is the anchorage t	ree of bent, broken	i, missing or iod	ose hardware?		X	<u> </u>	<u> </u>	<u> </u>
2.1.4					Y	N	U	N/A
3. Is the anchorage to oxidation?	ree of corrosion the	at is more than	mild surface		X		<u> </u>	
					Y	N	U	N/A
4. Is the anchorage t	free of visible crack	s in the concre	te near the ancho	rs?	X			
					Y	N	UU	N/A
5. Is the anchorage of (Note: This quest) which an anchor Nozzle load issue ide by MOD 98-0058. Sof the as-installed de	ion only applies if t age configuration ventified and docum EQUG calculation (the item is one overification is re ented in PCAQ	of the 50% for equired.) 198-1945, and suc	osequently re quacy				
6. Based on the above potentially advers	ve anchorage evaluates seismic condition		chorage free of		Y X	N	U	



Seismic Walkdown Checklist (SWC)

Status YN U

Equipment ID No. E22-1 Equip. Class 21. Tanks and Heat Exchang	ers			
Equipment Description CCW HEAT EXCHANGER 1-1 AT DISCHARGE	OF CCW PU	MP 43-1		
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?		N	U	N/A
waste sort angels are non impact by nearby equipment of structures.	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting,	Y	N	U	N/A
and masonry block walls not likely to collapse onto the equipment? Seismic capacity of block walls in the area verified. Block walls 3307, 3397 and 3407 verified to be to be seismically adequate based on ref. VBW17-B001-088, Rev 6 (6/21/89), VBW19-B001-094, Rev 5 (6/3/06) and VBW19-B001-095, Rev 10 (7/5/06).				
9 Do attached lines have adequate flowibility to quaid James 2	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage? Flexibility of drain piping judged acceptable to accommodate thermal growth of the heat exchanger.	<u> </u>			
10. Deced on the share rejective interesting a Latin 1.	Y	N	U	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?				
Other Adverse Conditions				
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y	N I	U	
Comments (Additional pages may be added as necessary)				
Evaluated by: Date:	7/25/2012			
Adam L. Helffrich	7/25/2012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. E22-1

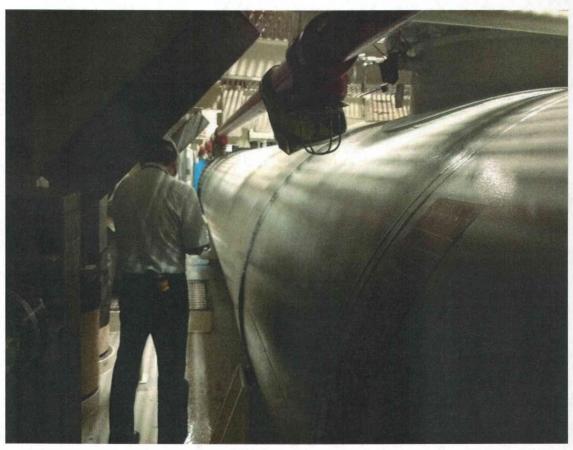
Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

CCW HEAT EXCHANGER 1-1 AT DISCHARGE OF CCW PUMP 43-1



E22-1 plate
ID Plate of component



E22-1 general General view of component

Status Y N U

Equipment ID No. E22-1

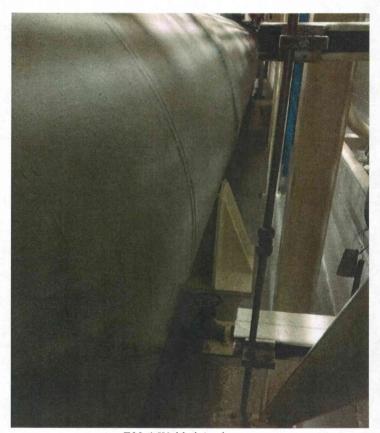
Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

CCW HEAT EXCHANGER 1-1 AT DISCHARGE OF CCW PUMP 43-1



E22-1 anchorage left
Partial view of anchorage, view is typical of all anchors



E22-1 Welded Anchor Configuration of the Welded Anchor Plate



Status: (Y)N U

Equipment ID No.	E22-2	Equip. Class	21. Tanks and I	Heat Exchang	ers			
Equipment Descript	tion <u>CC</u>	W HEAT EXCHA	NGER 1-2 AT E	DISCHARGE	OF CCW PI	JMP 43-2		
Location: Bldg.	AUXB	Floor El.	585	Room	328	_		
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may I SWEL. The space b findings. Additional	be used to docur below each of the	ment the results of e following questi	ons may be used	to record the	results of jud	lgments an		
Anchorage								
1. Is the anchorage of the 50% of SW	_	•	` '	one	Y X	N]	
2. Is the anchorage t	frag of hant hea	kan missing an la	asa handuuana?		Y	N_	U	N/A
2. Is the alichorage	iree or bent, bro	ken, missing or io	ose nardware?		<u> </u>	l	<u> </u>	
3. Is the anchorage t	free of corrosion	that is more than	mild surface		Y	N	U	N/A
oxidation?		that is more than	mild surface					
4. Is the anchorage t	free of visible or	ooks in the concre	ta naar tha anaba	~ 07	Y	N	U	N/A
4. Is the anchorage	iree or visible cr	acks in the concre	te near the ancho	18?				
5. Is the anchorage of	configuration co	nsistent with plan	t documentation?		Y	N	U	N/A
(Note: This quest	ion only applies rage configuration lentified and doc SQUG calculation	if the item is one on verification is rumented in PCAQ	of the 50% for equired.) 198-1945, and suit	bsequently re	solved			
6. Based on the above potentially adver			nchorage free of		Y X	N	U	



Status YN U

Equipment ID No	o. E22-2 Equip. Class 21. Tanks and Heat Exc	hangers			
Equipment Descr	ription CCW HEAT EXCHANGER 1-2 AT DISCHAI	RGE OF CCW PU	JMP 43-2		
Interaction Effe 7. Are soft target	cts s free from impact by nearby equipment or structures?	Y	N	U 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? in piping judged acceptable to accommodate thermal growth o er.	Y X	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	Y	N	U ·	
	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)	· · · · · · · · · · · · · · · · · · ·		-	
Evaluated by:	Eddie M. Guerra Date M. Guerra	te: <u>7/25/2012</u>		-	
	Adam L. Helffrich	te: <u>7/25/2012</u>		-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. E22-2

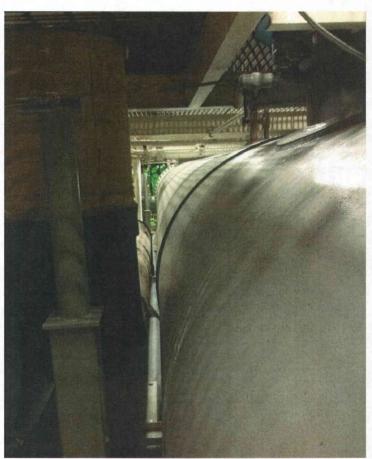
Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

CCW HEAT EXCHANGER 1-2 AT DISCHARGE OF CCW PUMP 43-2



E22-2 plate ID Plate of component



E22-2 general General view of component

Seismic Walkdown Checklist (SWC)

Equipment ID No. E22-2

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

CCW HEAT EXCHANGER 1-2 AT DISCHARGE OF CCW PUMP 43-2



E22-2 anchorage right side Partial view of anchorage, view is typical of all anchors



E22-2 anchorage left side Anchorage at left side of the saddle at fixed end



Status:(Y)N	U
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Equipment ID No.	E27-1	Equip. Class	21. Tanks and H	leat Exchang	ers			
Equipment Descript	tion <u>DE</u>	CAY HEAT REM	OVAL COOLER	1-1, E27-1				
Location: Bldg.	AUXB	Floor El.	545	Room	113			
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space b findings. Additional	be used to docu below each of th	ment the results of e following question	ons may be used t	o record the	results of jud	gments an		
Anchorage							_	
1. Is the anchorage of the 50% of SW Tank mounted on two	/EL items requi	ring such verificat	ion)?	one	Y X	N]	
2. Is the anchorage t	free of bent. bro	oken, missing or loo	ose hardware?		Y	N	U	N/A
	,	,	ose maraware.			<u> </u>		
3. Is the anchorage a oxidation?	free of corrosion	n that is more than	mild surface		Y X	N	U	N/A
4. Is the anchorage	free of visible c	racks in the concre	te near the anchor	s?	Y X	N	U	N/A
	ion only applies	onsistent with plant if the item is one on verification is re	of the 50% for		Y X	N	U	N/A
Nozzle load identifie by MOD97-0068. S as-installed configu	QUG Calculati	_			ne			
6. Based on the abor	-		achorage free of		Y	N	U	



Equipment ID No. E27-1 Equip. Class 21. Tanks and Heat Exchange	13			
Equipment Description DECAY HEAT REMOVAL COOLER 1-1, E27-1			,	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y X	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y	N	U	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y	N	U	
Comments (Additional pages may be added as necessary)				
Evaluated hu				
Evaluated by: Eddie M. Guerra Date: Adam L. Helffrich	7/25/2012		-	

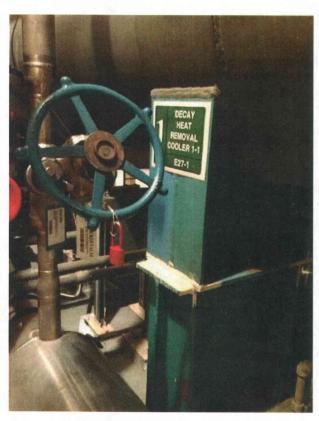
Seismic Walkdown Checklist (SWC)

Equipment ID No. E27-1

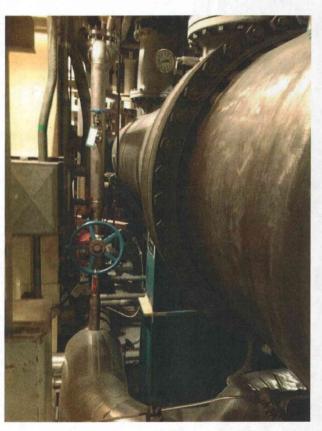
Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

DECAY HEAT REMOVAL COOLER 1-1, E27-1



E27-1 plate
ID Plate of component



E27-1 general2 General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. E27-1

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

DECAY HEAT REMOVAL COOLER 1-1, E27-1



E27-1 anchorage Partial view of anchorage, view is typical of all anchors



E27-1 Slotted hole to allow for expansion Slotted hole between saddle and component



Status: YN U

Equipment ID No. E27-1

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

DECAY HEAT REMOVAL COOLER 1-1, E27-1



E27-1 welded joint Joint welded as specified in MOD 97-0068



Status (Y) N U

Equipment ID No.	E27-2	Equip. Class	21. Tanks and H	Heat Exchang	ers			
Equipment Descript	tion <u>DECA</u>	AY HEAT REM	OVAL COOLER	1-2, E27-2				- -
Location: Bldg.	AUXB	Floor El.	545	Room	113	-		
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space b findings. Additional	be used to docume below each of the f	ent the results of following question	ons may be used t	to record the	results of jud	lgments an	he ıd	
Anchorage							_	
1.7.4. 1	<i>a</i>	~			Y	N	7	
1. Is the anchorage of the 50% of SW Tank mounted on tw	/EL items requirin	g such verificati	ion)?	one	X	<u> </u>	J	
2 Is the anchouse	C				Y	N	U	N/A
2. Is the anchorage t	rree of bent, broke	n, missing or loc	ose hardware?		X			
					Y	N	U	N/A
3. Is the anchorage to oxidation?	free of corrosion th	nat is more than	mild surface		X			
					Y	N	U	N/A
4. Is the anchorage t	free of visible crac	ks in the concre	te near the anchor	rs?	X		<u> </u>	
					Y	N	U	N/A
	ion only applies if age configuration	the item is one overification is re	of the 50% for equired.)	resolved	X			
by MOD97-0068. S as-installed configur	QUG Calculation				ne			
6. Based on the above potentially adver-	ve anchorage evalu se seismic condition		chorage free of		Y X	N	U	



Equipment ID No. E27-2 Equip. Class 21. Tanks and Heat E	xchangers	3			
Equipment Description DECAY HEAT REMOVAL COOLER 1-2, 1	E27-2			<u></u>	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?		Y X	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?		Y X	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?		Y	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	[Y X	N	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?	[Y X	N	U	
Comments (Additional pages may be added as necessary)					
Eddie M. Guerra	Date: .	7/25/2012			
Adam L. Helffrich	Date:	7/25/2012			



Status: Y

Seismic Walkdown Checklist (SWC)

Equipment ID No. E27-2

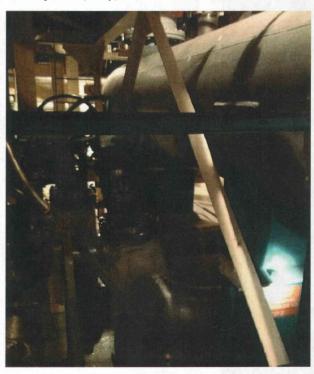
Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

DECAY HEAT REMOVAL COOLER 1-2, E27-2



E27-2 plate ID Plate of component



E27-2 general General view of component



Equipment ID No. E27-2

Equip. Class 21. Tanks and Heat Exchangers

Equipment Description

DECAY HEAT REMOVAL COOLER 1-2, E27-2



E27-2 anchorage
Partial view of anchorage, view is typical of all anchors



E27-2 weld Joint welded as specified in MOD 97-0068



Equipment ID No.	EF12C	Equip. Class	1. Motor Con	trol Centers				
Equipment Descrip	tion	MCC EF12C						- -
Location: Bldg.	INTK	Floor El.	576	Room	52	_		
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to do	Checklist locument the results of of the following questive ovided at the end of the	ons may be use	d to record the r	esults of jud	lgments an	he id	
Anchorage							_	
		on verification required equiring such verificat		n one	Y	N X]	
2. Is the anchorage	free of bent	, broken, missing or loo	ose hardware?		Y	N	U	N/A
3. Is the anchorage	free of corre	osion that is more than	mild curface		Y	N T	U	N/A
oxidation?	ince or come	sion that is more than	mind surface			L	<u>.</u>	
4. Is the anchorage	free of visib	le cracks in the concre	te near the ancl	nors?	Y	N	U	N/A
					Y	N	U	N/A
(Note: This quest which an anchor This is a 4 section N	ion only ap _l age configu ICC, welde welds per so	on consistent with plant plies if the item is one gration verification is red to embed channels w ection (front and back)	of the 50% for equired.) ith an average	of at least	V.	1	I	X
_	ve anchorag	ge evaluations, is the ar	nchorage free o	f	Y X	N 	U	



Status YN U

Equipment ID No. <u>EF12C</u> Equip. Class 1. Motor Control	Centers				
Equipment Description MCC EF12C					
Interaction Effects		Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures?		X			
3. Are overhead equipment, distribution systems, ceiling tiles and lighting	ıg,	Y	N	U	N/A
and masonry block walls not likely to collapse onto the equipment? Seismic capacity of block walls in the area verified Block wall 2371 verified to be to be seismically adequate passed on ref. VBW10-B001-055, Rev 14 (2/10/87). D. Do attached lines have adequate flexibility to avoid damage?		Y	N	U	N/A
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	е	Y X	N	U	
Other Adverse Conditions 1. Have you looked for and found no other seismic conditions that couladversely affect the safety functions of the equipment?	d	Y X	N	U	
Comments (Additional pages may be added as necessary)			· · · · · · · · · · · · · · · · · · ·		
Evaluated by:	Date:	7/25/2012			
Eddie M. Guerra	_				
Adam L. Helffrich	Date:	7/25/2012			



Seismic Walkdown Checklist (SWC)

Equipment ID No. EF12C Equip. Class 1. Motor Control Centers

Equipment Description MCC EF12C



EF12C plate ID Plate of component



EF12C general General view of component

Status Y N U

Equipment ID No. EF12C

Equip. Class 1. Motor Control Centers

Equipment Description

MCC EF12C



EF12C anchorage hidden View of mounting base showing stitch weld detail



EF12C brace left

View of channel section used to restrain front-to-back motion. Same detail at opposite side.



Equipment ID No. F1 Equip. Class 2. Low Voltage Switchgear				
Equipment Description BUS F1, Low Voltage Switchgear				-
Location: Bldg. AUXB Floor El. 603 Room	428	-		
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 jud	lgments an		
Anchorage	•			
1. Is the anchorage configuration verification required (i.e., is the item one	Y	N X]	,
of the 50% of SWEL items requiring such verification)? Component composed of 7 sections. Inspected two end sections at front and verified two plug welds ~3/4" diameter.				
2. Is the anchorage free of bent, broken, missing or loose hardware?	Y	N	U	N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y	N	U	N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y	N	U	N/A
Base grout found in good condition.				
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.) Verification based on adequacy per SQUG calc C-CSS-F1. SQUG calculations show anchorage to be adequate from previous outlier resolution, page 9 of 28.				
	Y	N	U	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			



Status (Y)N U	Status (Y) N	U
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Equipment ID No	o. F1 Equip. Class 2. Low Voltage Sw	itchgear				
Equipment Descr	iption BUS F1, Low Voltage Switchgear	_		·		
Interaction Effect 7. Are soft targets	cts 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 lin	nes have adequate flexibility to avoid damage?		Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		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 (Addi	itional pages may be added as necessary)			** * * *		
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012			
	Adam L. Helffrich	_Date:	7/25/2012			

Seismic Walkdown Checklist (SWC)

Equipment ID No. F1 Equip. Class 2. Low Voltage Switchgear

Equipment Description BUS F1, Low Voltage Switchgear



F1 general (plate inaccessible) General view of component



F1 anchorage inaccessible



Status (Y)N	U
Status	U

Equipment ID No. F108-1	Equip. Class	0c. Other - sub-cor	nponent				
Equipment Description E	DG 1-1 INTAKE FI	LTER					-
Location: Bldg. AUXB	Floor El.	585	Room	318			
Manufacturer, Model, Etc.			_				
Instructions for Completing Ch This checklist may be used to doc SWEL. The space below each of findings. Additional space is prov	cument the results of the following question	ons may be used to re	ecord the	results of jud	gments an		
Anchorage				V	N		
1. Is the anchorage configuration	verification required	l (i.e., is the item one		<u> </u>	X	1	
of the 50% of SWEL items requested anchorage could not be verified s SQUG Calc C-CSS-F108 taken as	uiring such verification in the such that is united to the such that it was fully covered to the such that is the such that i	ion)? ered by roof cover.		V		I	NI/A
2. Is the anchorage free of bent, by	roken, missing or lo	ose hardware?		Y	N	U	N/A X
3. Is the anchorage free of corrosionidation?	on that is more than	mild surface		Y	N	U U	N/A X
4. In the emphasize from a fairly				Y	N	U	N/A
4. Is the anchorage free of visible No detail provided in calc. Unable						<u> </u>	X
				Y	N	U_	N/A
5. Is the anchorage configuration of (Note: This question only application an anchorage configuration)	es if the item is one	of the 50% for					X
6. Based on the above anchorage of	evaluations, is the an	nchorage free of		Y	N	U	
potentially adverse seismic cor Outlier specified in calculation C- Calculation provides an outliner of	nditions? -CSS-F108 with resp	pect to anchorage cap			lditional a	enchors.	ı



Status(Y)N U

Equipment ID No. F108-1 Equip. Class 0c. Other - sub-compor	nent			
Equipment Description EDG 1-1 INTAKE FILTER				
Interaction Effects	Y	N	U	N/A
7. Are soft targets free from impact by nearby equipment or structures? Filter cover deemed to be capable of resisting external hazards.	X			
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y	N	U	N/A
9. Do attached lines have adequate flexibility to avoid damage?	Y	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y	N	U	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y	N	U_	
Comments (Additional pages may be added as necessary)			-	
Evaluated by: Eddie M. Guerra Da	te: <u>7/25/2012</u>			
Adam L. Helffrich	te: <u>7/25/2012</u>	19-19-11		



Equipment ID No. F108-1

Equip. Class 0c. Other - sub-component

Equipment Description

EDG 1-1 INTAKE FILTER



F108-1 plate ID
ID Plate of component



F108-1 general General view of component



F108-1 Encasing Anchroage View of Intake encasing anchroage condition.



Equipment ID No.	<u>F11A</u>	Equip. Class	1. Motor Control Centers				
Equipment Descrip	tion	MCC F11A					- -
Location: Bldg.	AUXB	Floor El.	<u>603</u> Roor	m <u>427</u>	_		
Manufacturer, Mod	el, Etc.						
SWEL. The space b	be used to below each	document the results of of the following question	the Seismic Walkdown of a cons may be used to record the checklist for documenting	he results of jud	lgments ar		
Anchorage							
		ion verification required		Y X	N]	
This is an 11 section	n MCC, we	requiring such verificat elded to embed channels s per section (front and	with an average of at				
2. In the analysis	C C1	A book	1 1 0	Y	N	U	N/A
		t, broken, missing or load for base stitch welds.	ose nardware?	X	<u> </u>	<u> </u>	
				Y	N	U	N/A
3. Is the anchorage oxidation?	free of con	rosion that is more than	mild surface	X			
4. Is the anchorage	free of visi	ble cracks in the concre	te near the anchors?	X	N	U	N/A
Separation found or	n base groi				I	<u> </u>	
		in, merejore no signific	an aaverse effect.	Y	N	U	N/A
(Note: This quest which an anchor	tion only aprage config	on consistent with plan pplies if the item is one guration verification is r	of the 50% for equired.)	X			
			233 and confirmed to be eld 3-6oc). SQUG Calculati	ion			
	_	ection (arawing 174 we eation of as-installed we	, -	Y	N	U	_
6. Based on the abo		ige evaluations, is the ar	nchorage free of	X			



Statu (: Y) N U

Equipment ID No.	F11A	Equip. Class 1. Motor Control C	Centers				
Equipment Descri	ption	MCC F11A					-
Interaction Effec				Y	N	U	N/A
	nd with poo	mpact by nearby equipment or structures? or tie-off, but judged not a potential		X			
		istribution systems, ceiling tiles and lighting tikely to collapse onto the equipment?	,	Y	N	U	N/A
		quate flexibility to avoid damage? adequate top bracing to MCC.		Y	N	U	N/A
of potentially a	dverse seisr	ic interaction evaluations, is equipment free nic interaction effects? and CDF11A-2 have a gap of ~1/4" to this M	CC, but	Y	N	U	
the top connection	of these pa	nels to the MCC negates any interaction pol				_	
Other Adverse Co 11. Have you look adversely affect	ed for and f	Sound no other seismic conditions that could functions of the equipment?		Y X	N	U	
Comments (Addit	ional pages	may be added as necessary)				-	
Evaluated by:	Eddie M	. Guerra	_Date:	7/25/2012		-	
	Adam I	Shary Define	_Date:	7/25/2012			

Seismic Walkdown Checklist (SWC)

Equipment ID No. F11A

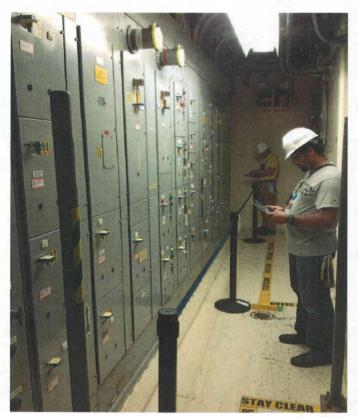
Equip. Class 1. Motor Control Centers

Equipment Description

MCC F11A



F11A plate
ID Plate of component



F11A general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. F11A Equip. Class 1. Motor Control Centers

Equipment Description

MCC F11A



F11A stitch weld Partial view of anchorage, view is typical of all anchors



F11A rigid connection to adjoining conduit and MCC A rigid connection is used to fasten the unit to adjoining conduit



Seismic Walkdown Checklist (SWC)

Equipment ID No. F11A

Equip. Class 1. Motor Control Centers

Equipment Description

MCC F11A



F11A crack in base of grout on corner Separation in base grout. Appears to be aestetic grout only.



F11A poorly secured ladder in area of MCC Ladder loosely tied off.



Status Y N	U
\ /	

Equipment ID No. F1-2	Equip. Class	0. Other					
Equipment Description	Traveling water screen	n F1-2					- -
Location: Bldg. INTK	Floor El.	585	Room	50			
Manufacturer, Model, Etc.			_				
Instructions for Completin This checklist may be used t SWEL. The space below each findings. Additional space is	to document the results of the of the following question	ons may be used to re	ecord the	results of jud	gments an		
Anchorage							
1. Is the anchorage configura of the 50% of SWEL item				Y	N X]	
2. Is the anchorage free of be	ent, broken, missing or loc	ose hardware?		Y X	N	U	N/A
3. Is the anchorage free of cooxidation?	orrosion that is more than	mild surface		Y X	N	U	N/A
Slight corrosion identified in	n bolts due to humid enviro	onment.					
4. Is the anchorage free of vi	sible cracks in the concre	te near the anchors?		Y X	N	U	N/A
5. Is the anchorage configura	ation consistent with plant	documentation?		Y	N	U	N/A X
(Note: This question only		of the 50% for					
Based on the above ancho potentially adverse seism:	-	schorage free of		Y X	N	U	
Although slight corrosion for was identified during inspect	und on screen mounting b	ase, no significant de	egraded c	ondition			



Status (Y) N U

Equipment ID No	o. F1-2 Equip. Class 0. Other				
Equipment Descri	iption Traveling water screen F1-2				•
Interaction Effec		Y	N	U	N/A
7. Are soft targets	s free from impact by nearby equipment or structures?	X			
	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? lines, no concern of differential displacement.	Y	N	U	N/A
	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?	Y	N	U	
Inside of screen h	itional pages may be added as necessary) tousing was accessible and no degraded condition was identified. top of screen housing found in adequate condition.		1000	-	
Evaluated by:	Eddie M. Guerra Date:	7/25/2012		-	
	Adam L. Helffrich	7/25/2012		-	



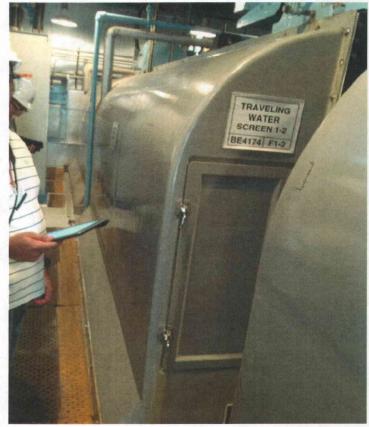
Seismic Walkdown Checklist (SWC)

Equipment ID No. F1-2 Equip. Class 0. Other

Equipment Description Traveling water screen F1-2



F1-2 plate
ID Plate of component



F1-2 general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. F1-2 Equip. Class 0. Other

Equipment Description Traveling water screen F1-2



F1-2 anchorage Partial view of anchorage, view is typical of all anchors



F1-1 inside
F1-1 is opened for inspection because it is more visible than F1-2





Equipment ID No. F12A	Equip. Class	1. Motor Control Co	enters				
Equipment Description	MCC F12A						- -
Location: Bldg. AUXB	Floor El.	603	Room	428			
Manufacturer, Model, Etc.			_				
Instructions for Completing This checklist may be used to SWEL. The space below each findings. Additional space is	to document the results of ch of the following questi	ons may be used to re	cord the r	esults of jud	gments an	he d	
Anchorage					•		
1. Is the anchorage configure of the 50% of SWEL item	ns requiring such verificat	ion)?		X	N]	
This is an 8 section MCC, by It was verified that all adjacembed channels at front and	ent sections are bolted to	gether. Each section	of MCC i	s welded to	5).		
		· ·	<i>y</i>	Y	N	U	N/A
2. Is the anchorage free of be No degraded conditions four		ose hardware?		X			
2 Indianal Confi				Y	N	U	N/A
3. Is the anchorage free of cooxidation?	orrosion that is more than	mild surface		X			
				Y	N	U	N/A
4. Is the anchorage free of vi No cracks identified in slope				X			
6 Indiana la constitución				Y	N	U	N/A
5. Is the anchorage configuration (Note: This question only which an anchorage configuration C-CSS-F	applies if the item is one figuration verification is r	of the 50% for equired.)	led ancho	X rage.		<u> </u>	
				Y	N	U	
6. Based on the above ancho potentially adverse seism		nchorage free of		X			





Equipment ID No. F12A Equip. Class 1. Motor Control Centers				
Equipment Description MCC F12A				
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y	N	- U	N/A_
	Y	N	U	N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	X			
9. Do attached lines have adequate flexibility to avoid damage? Top entry conduit rigidly supported to back wall.	Y	N	U	N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y	N	U	
Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y X	N	U U	l
Comments (Additional pages may be added as necessary) This 8 section MCC is adjacent to MCC F14 and MCC F15. These MCCs were of these MCCs are bolted together. At the south end of this MCC, there is a 1.5" gas acceptable to preclude pounding.				



Seismic Walkdown Checklist (SWC)

Equipment ID No. F12A Equip. Class 1. Motor Control Centers

Equipment Description MCC F12A



F12A plate
ID Plate of component



F12A general General view of component



Seismic Walkdown Checklist (SWC)

Equipment ID No. F12A Equip. Class 1. Motor Control Centers

Equipment Description MCC F12A



F12A stitch weld Partial view of anchorage, view is typical of all anchors





Equipment ID No. F12D Equip. Class 1. Motor Control Centers				
Equipment Description MCC F12D				- -
Location: Bldg. INTK Floor El. 576 Room	52			
Manufacturer, Model, Etc.				
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an i SWEL. The space below each of the following questions may be used to record the r findings. Additional space is provided at the end of this checklist for documenting of	esults of judg	gments an	ne d	
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)? This a single section MCC welded to embed with an average of 9" of 3/16" fillet weld No degraded condition found around cabinet base.	ds at front an	d back.		
	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		T	IV/A
No significant cracks identified around cabinet mounting base.			•	
	V	NI	TY	NI/A
5. Is the anchorage configuration consistent with plant documentation?	Y	<u>N</u>	U	N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)				
Since cabinet could not be opened, configuration is verified based				
on SQUG calculation C-CSS-F12D. This calculation evaluates anchorage based on calculation C-CSS-E12C which conlcudes anchorage configuration is adequate.				
	Y	N	U	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	X			
Outlier close out note (C-CSS-F12D, page 7 of 7) indicates comparison w/ E12C				
has shown anchorage is adequate. Anchorage is also checked with section L of drawing C-0412B and confirmed to be consistent with walkdown inspect	ion.			



Equipment ID No	Equip. Class 1. Motor Control Co	enters				
Equipment Descr	ription MCC F12D					
Interaction Effe			Y	N	- U	N/A
Potential interact	s free from impact by nearby equipment or structures? tion hazard due to near by fire extinguishers without ity. It was agreed that no significant effect expected during	g seismic	X event.			
8. Are overhead e	equipment, distribution systems, ceiling tiles and lighting, 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?		Y	N	U	N/A
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		Y	N	U	
Other Adverse C						
	ked for and found no other seismic conditions that could ct the safety functions of the equipment?		Y	N	U	
Comments (Addi	tional pages may be added as necessary)					
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Adam L. Helffrich	Date:	7/25/2012			



Equipment ID No. F12D Equip. Class 1. Motor Control Centers

Equipment Description MCC F12D



F12D plate ID Plate of component



F12D anchorage
Mounting base detail with embedded channel



F12D general General view of component



F12D fire ext to right

Potential interaction hazard from fire extinguisher in the vicinity of component.





Equipment ID No.	FD1062	Equip. Class	0. Other					
Equipment Descript	tion <u>FII</u>	RE DAMPER FD 1	062					<u>.</u>
Location: Bldg.	AUXB	Floor El.	603	Room	428	_		
Manufacturer, Mod	el, Etc.							
Instructions for Co This checklist may SWEL. The space b findings. Additional	be used to docu elow each of th	ment the results of ne following question	ons may be used	to record the r	esults of judg	ments and	-	
Anchorage								
1. Is the anchorage of	configuration v	erification required	(i.e. is the item	one	Y	$\frac{N}{X}$	1	
-	/EL items requ	iring such verificat	on)?	one	<u> </u>	<u> </u>	J	
					Y	N	U	N/A
2. Is the anchorage to Damper vertical sup				bs.	X			
					Y	N	U	N/A
3. Is the anchorage to oxidation?	free of corrosio	n that is more than	mild surface		X			
					V	N	T I	NI/A
4. Is the anchorage t	free of visible o	racks in the concre	te near the ancho	ors?	X	N	l U	N/A
_					<u> </u>	•		
					Y	N	U	N/A
5. Is the anchorage of (Note: This quest which an anchor	ion only applie	onsistent with plant is if the item is one on verification is re	of the 50% for	?				X
6. Based on the above potentially adver			chorage free of		Y X	N	U	
Damner found adea	uately support	ed against lateral w	ovamant HSS s	actions				

found in adequate condition. No signs of corrosion observed on support members.



Status(Y)N U

Equipment ID No.	FD1062 Equip. Class 0. Other					
Equipment Descrip	ption FIRE DAMPER FD 1062					
Interaction Effect			Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
8 Are overhead ed	quipment, distribution systems, ceiling tiles and lighting,		Y	N	U	N/A
	ck walls not likely to collapse onto the equipment?	,				
9 Do attached line	es have adequate flexibility to avoid damage?		Y	N	U	N/A
	ected with adequate flexibility.					<u> </u>
	bove seismic interaction evaluations, is equipment free		Y	N	U	
of potentially ac	dverse seismic interaction effects?					
Other Adverse Co			V	NI	•	
	ed for and found no other seismic conditions that could t the safety functions of the equipment?		Y	N	U	
Comments (Addit	ional pages may be added as necessary)				-	
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012		-	
	Shary Defina	Datas	7/25/2012			
	Adam L. Helffrich	_Date:	7/25/2012		-	

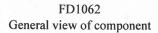


Seismic Walkdown Checklist (SWC)

Equipment ID No. FD1062 Equip. Class 0. Other

Equipment Description FIRE DAMPER FD 1062







FD1062 anchorage View of anchorage



Status (Y) N	U
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Equipment ID No.	FIS 1612	Equip. Class 20. Instrument and Control Panels							
Equipment Descrip	tion _	SFP HX 1 FIS-1612	Cool Water Outlet	Flow Indic	ating Switch			- -	
Location: Bldg.	AUXB	Floor El.	590'6"	Room	312	_			
Manufacturer, Mod	el, Etc.						_		
SWEL. The space b	be used to do below each o	Checklist ocument the results of f the following questi ovided at the end of the	ions may be used to	o record the	results of ju	dgments ar			
Anchorage					v	NI			
of the 50% of SV	VEL items re	n verification required equiring such verificate dequate condition and	tion)?		Y	N X			
2. Is the anchorage	free of bent,	broken, missing or lo	oose hardware?		Y	N	U	N/A	
	0.00				Y	N	U_	N/A	
oxidation?		sion that is more than anchor bolts and bott			X	<u> </u>	I	<u> </u>	
The signs of corresion	on young on	anchor oons una oon	om 1/2 piace.		Y	N	U	N/A	
_		e cracks in the concre ottom plate anchorag		rs?	X				
5. Is the anchorage	configuration	n consistent with plar	nt documentation?		Y	N N	U	N/A X	
(Note: This quest	tion only app	olies if the item is one ration verification is	of the 50% for						
		e evaluations, is the a	nchorage free of		Y	N	U]	
potentially adver		onditions? r mounted rack is jud	lged adequate.						





Equipment ID No	Equip. Class 20. Instrument and Co	ontrol P	anels			
Equipment Descri	iption SFP HX 1 FIS-1612 Cool Water Outlet Flow	Indicat	ing Switch			
Interaction Effec			Y	N	U	N/A
7. Are soft targets	free from impact by nearby equipment or structures?		X			
			3 7	N	* 7	N 1/A
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		X	N	U	N/A
	of block walls in the area verified.					
Block walls 3257	and 3267 verified to be to be seismically adequate V16-B001-083, Rev 2 (4/27/88) and					
	1, Rev 5 (4/27/88).		Y	N	U	N/A
	es have adequate flexibility to avoid damage? small piping were identified with adequate flexibility.		X			
10 Based on the	above seismic interaction evaluations, is equipment free		Y	N	U	
	ndverse seismic interaction effects?					
Other Adverse C	Conditions					
	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)					
Evaluated by:		Date:	7/25/2012			
	Eddie M. Guerra					
	Blund D. Down	Date:	7/25/2012			
	Adam L. Helffrich					



Seismic Walkdown Checklist (SWC)

Equipment ID No. FIS 1612

Equip. Class 20. Instrument and Control Panels

Equipment Description

SFP HX 1 FIS-1612 Cool Water Outlet Flow Indicating Switch



FIS1612 plate
ID Plate of component



FIS1612 general
General view of component



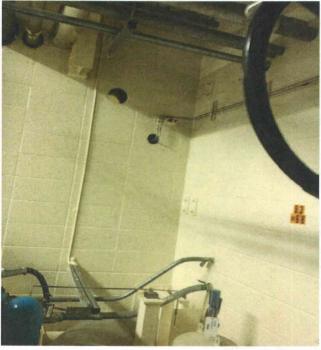


Equipment ID No. FIS 1612 Equip. Class 20. Instrument and Control Panels

Equipment Description SFP HX 1 FIS-1612 Cool Water Outlet Flow Indicating Switch



FIS1612 anchorage View of anchorage



FIS1612 adjacent masonry wall
Potential interaction hazard from masonry wall near unit



Equipment ID No.	FTHP3C	_ Ec	quip. Class	18. Instru	ment (on) I	Racks					
Equipment Descrip	tion	FLOW TR	RANSMITT	TER FT HP3	BC						- -
Location: Bldg.	AUXB	- Flo	oor El.	565		Room	208_				
Manufacturer, Mod	el, Etc.										
Instructions for Co This checklist may SWEL. The space be findings. Additiona	be used to do	locument the	wing questi	ons may be	used to rec	ord the	results of	judgn	nents and		
Anchorage							Y		N		
1. Is the anchorage	configuration	on verificati	ion required	d (i.e., is the	item one			Ī	X		
of the 50% of SV Mounted on tube se 1/2" diameter anche rack with four 3/8"	VEL items r ction 6x6 w ors. The lig	equiring su hich is atta ghtweight tr	ch verificat ched to cor ansmitter (tion)? <i>acrete wall</i> w	vith four	o the	<u> </u>				
							Y		N	U	N/A
2. Is the anchorage Supporting wall tub			_	ose hardwar	re?		X				
							Y		N	U	N/A
3. Is the anchorage oxidation?	free of corre	osion that is	s more than	mild surfac	e		X				
No signs of corrosic	on found on	mounting s	support and	l piping							
							Y		N	U	N/A
4. Is the anchorage				ete near the a	anchors?		X				
No cracks identified	d on wall ne	ar flow trai	nsmitter.								
							Y		N	U	N/A_
5. Is the anchorage (Note: This quest which an ancho	tion only ap	plies if the	item is one	of the 50%				<u> </u>			X
6. Based on the abo potentially adver				nchorage fre	ee of		Y		N	U]



Status(Y)N U

Equipment ID No	FTHP3C Equip. Class 18. Instrument	(on) Racks				
Equipment Descri	ption FLOW TRANSMITTER FT HP3C				· · · · · · · · · · · · · · · · · · ·	
Interaction Effect 7. Are soft targets	ts free from impact by nearby equipment or structures	s?	Y	N	U_	N/A
8. Are overhead e	quipment, distribution systems, ceiling tiles and ligh	ıting.	Y	N	U	N/A
	ck walls not likely to collapse onto the equipment?	·····b [,]				
	es have adequate flexibility to avoid damage? ected to transmitter found with adequate flexibility.		Y	N	U	N/A
	bove seismic interaction evaluations, is equipment	Y	N	U		
	dverse seismic interaction effects? action identified on the vicinity of component.			•		
	onditions ed for and found no other seismic conditions that co t the safety functions of the equipment?	ould	Y X	N	U	
	ional pages may be added as necessary) attached to containment wall. No adverse effects du	e to differentia	l motion are	expected.		
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012	<u> </u>	-	
	Adam L. Helffrich	Date:	7/25/2012	•	-	



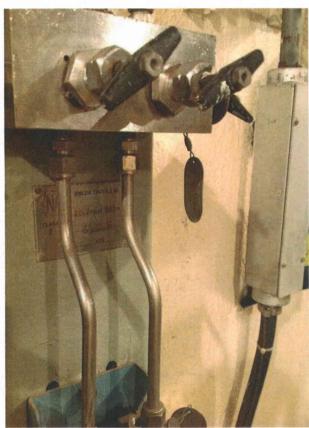
Seismic Walkdown Checklist (SWC)

Equipment ID No. FTHP3C

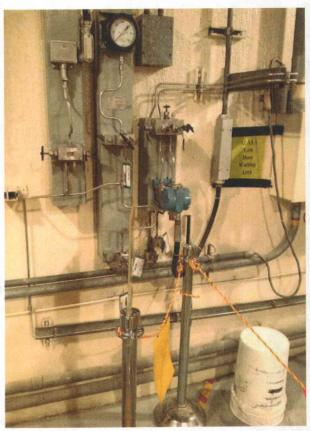
Equip. Class 18. Instrument (on) Racks

Equipment Description

FLOW TRANSMITTER FT HP3C



FTHP3C ID Plate of component



FTHP3C General General view of component



Status: (Y)N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.	FV6451	Equip. Class	8B. Solenoid V	alves				
Equipment Descrip	tion <u>S</u>	OLENOID VALVE	AF6451					- -
Location: Bldg.	AUXB_	Floor El.	565	Room	238	_		
Manufacturer, Mod	el, Etc.							
SWEL. The space b	be used to doo below each of	necklist cument the results of the following questi- vided at the end of th	ons may be used	to record the	results of jud	lgments an		
Anchorage								
	VEL items rec	verification required uiring such verificat ne.		one	Y	N X]	
2. Is the anchorage free of bent, broken, missing or loose hardware?					Y	N	U	N/A X
	free of corros	ion that is more than	mild surface		Y	N	U	N/A X
oxidation? Valve and main pip	e line found w	ith no signs of corro	sion.					
4. Is the anchorage	free of visible	cracks in the concre	ete near the ancho	ors?	Y	N	U	N/A X
5. Is the anchorage	configuration	consistent with plan	t documentation	?	Y	N	U	N/A X
(Note: This quest	tion only appl	applies if the item is one of the figuration verification is require			<u> </u>			
6. Based on the abo potentially adver		evaluations, is the and and itions?	nchorage free of		Y	N N	U]

Main pipe line adequatelly supported. No excessive unsupported lengths identified.



Status (Y)N U

Equipment ID No	o. FV6451 Equip. Class 8B. Solenoid Val	ves				
Equipment Desci	ription SOLENOID VALVE AF6451					
Interaction Effe 7. Are soft target	cts s free from impact by nearby equipment or structures?		Y	N	U_	N/A
			Y	N	U	N/A
and masonry bl	equipment, distribution systems, ceiling tiles and lightin lock walls not likely to collapse onto the equipment? r potential interaction hazard identified in the area.	ng,	X			
	nes have adequate flexibility to avoid damage? with adequate flexibility.		Y	N	U	N/A
10. Based on the	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?	e	Y	N	U	
Other Adverse (-	
	ked for and found no other seismic conditions that coulct the safety functions of the equipment?	d	Y	N_	U	
Comments (Add	itional pages may be added as necessary)				-	
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012		<u>-</u>	
	Adam I. Halffrich	Date:	7/25/2012	·***	-	



Seismic Walkdown Checklist (SWC)

Equipment ID No. FV6451

Equip. Class 8B. Solenoid Valves

Equipment Description

SOLENOID VALVE AF6451



FV-6451 Plate ID Plate of component



FV-6451 General2 General view of component



Equipment ID No.	FV6452	Equip. Class	8B. Solenoid Val	ves				
Equipment Descrip	tion <u>SOI</u>	ENOID VALVE	AF6452				<u> </u>	• •
Location: Bldg.	AUXB	Floor El.	565	Room	237			
Manufacturer, Mod	lel, Etc.							
Instructions for Control This checklist may SWEL. The space of findings. Additional	be used to docur below each of the	nent the results of e following questi	ons may be used to	record the	results of jud	gments an		
Anchorage					37	N T		
1. Is the anchorage	configuration ve	rification require	l (i.a. is the item o	ne	Y	N X	1	
	VEL items requir	ing such verificat		iie		X	J	
2. Is the anchorage	free of hont bro	kan missing or la	oso hardware?		Y	N	U	N/A X
2. Is the allehorage	nee of bent, bro	ken, missing of to	ose natuwate:				I	<u> </u>
					Y	N	U	N/A
3. Is the anchorage oxidation?	free of corrosion	that is more than	mild surface					X
Valve and pipe line	found with good	l surface conditio	n and no signs of co	orrosion.				
					<u>Y</u>	N	U	N/A
4. Is the anchorage	free of visible cr	acks in the concre	ete near the anchors	:?				X
					Y	N	U	N/A
5. Is the anchorage	configuration co	nsistent with plan	t documentation?			1	T C	$\begin{bmatrix} x \\ x \end{bmatrix}$
(Note: This ques	tion only applies	pplies if the item is one of the 50% for guration verification is required.)						
					Y	N_	U	1
Based on the abording potentially adve	_		nchorage free of		X	<u> </u>	L	J





Equipment ID No	o. <u>FV6452</u> Equip. Class 8B. Solenoid Valves					
quipment Descr	ription SOLENOID VALVE AF6452					
iteraction Effe	cts s free from impact by nearby equipment or structures?		Y	N	U T	N/A
riie soit taiget	s nee from impact by hearby equipment of structures:					
	equipment, distribution systems, ceiling tiles and lighting, lock walls not likely to collapse onto the equipment?		Y X	N	U	N/A
Do attached lir	nes have adequate flexibility to avoid damage?		Y	N_	<u>U</u>	N/A
tached lines foi	und with adequate flexibiliy.		Y	N	U	
	above seismic interaction evaluations, is equipment free adverse seismic interaction effects?		X			
ther Adverse Conditions 1. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?			Y	N_	U	
omments (Add	itional pages may be added as necessary)					
	<i>∽ i - i</i>					
Evaluated by:	Eddie M. Guerra	Date:	7/25/2012			
	Adam L. Helffrich	Date:	7/25/2012			
	Audul L. Hellifich					



Seismic Walkdown Checklist (SWC)

Equipment ID No. FV6452 Equip. Class 8B. Solenoid Valves

Equipment Description SOLENOID VALVE AF6452



FV6452 general
General view of component



Equipment ID No.	HIS 5889A	Equip. Class	20. Instrument a	and Control	Panels			
Equipment Descript	tion AFP	TURB 1-1 STE	AM INLET VALV	/E inside Pl	NL C5709			- -
Location: Bldg.	AUXB	Floor El.	623	Room	505	_		
Manufacturer, Mod	el, Etc.		***************************************				_	
Instructions for Co This checklist may SWEL. The space b findings. Additiona	be used to docume below each of the t	ent the results o following quest	ions may be used t	o record the	results of jud	lgments an		
Anchorage					X.	N		
1. Is the anchorage	configuration veri	fication require	d (i.e., is the item o	one	Y	N X	1	
_	VEL items requiring, which has simila	ng such verifica ar anchorage to	tion)? Panel C5702.		V		J	NI/A
2. Is the anchorage	free of bent, broke	en, missing or lo	oose hardware?		X	N	U	N/A
None observed.	, , , , , , , , ,	<i>3</i>				•		
					Y	N	U	N/A
3. Is the anchorage oxidation? None observed.	free of corrosion t	hat is more than	n mild surface		X	<u> </u>		<u> </u>
					Y	N	U	N/A
4. Is the anchorage <i>None observed.</i>	free of visible crac	cks in the concr	ete near the anchor	rs?	X			
					Y	N	U	N/A
_	configuration constion only applies it rage configuration	f the item is one	of the 50% for					X
6. Based on the abo potentially adver	ve anchorage eval rse seismic conditi		anchorage free of		Y X	N	U]



Equipment ID No	Equip. Class 20. Instrument and C	Control Pa	anels			
Equipment Description AFP TURB 1-1 STEAM INLET VALVE inside PNL C5709						
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?			Y	N	U U	N/A
C	1 , 2 , 3 , 1 1					
	quipment, distribution systems, ceiling tiles and lighting, ock walls not likely to collapse onto the equipment?		X	N	U	N/A
9. Do attached line	es have adequate flexibility to avoid damage?		Y	N	U	N/A
10. Based on the a of potentially a		Y X	N	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?			Y X	N	U	
Comments (Addi	tional pages may be added as necessary)	******				
Evaluated by:	Eddie M. Guerra	_Date:	7/25/2012	447		
	Adam L. Helffrich	Date:	7/25/2012			