Status: Y N U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.: 1-HE-15W	
	Equipment Class: (21) Tanks and Heat Exchangers	
F	Equipment Description: WEST COMPONENT COOLING WATER HEAT EXCHANGER	
	Project: DC Cook 1 SWEL	1000 - 10000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -
Lesstie		
Locatio	n (Bldg, Elev, Room/Area): <u>AB2, 609.00 ft, 609</u>	in i
Instaus	Manufacturer/Model: tions for Completing Checklist	1911 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 - 1917 -
This ch SWEL.	ecklist may be used to document the results of the Seismic Walkdown of an item of equipm The space below each of the following questions may be used to record the results of judg a. Additional space is provided at the end of this checklist for documenting other comments	gments and
Ancho	rage	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	Threads not fully engaged on south west bolt, but OK only minor.	
3.	le the anchorage free of correction that is more than mild surface evidation?	Yes
э.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Tes
4.	Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
5.		lot Applicable
	This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
1211 An des 1111 1111 1111 1111		19 20 20 20 20 20 20 20 20 20 20 20 20 20

Interaction Effects

		Status:	Y N U
Seism	ic Walkdown Checklist		
	Equipment ID No.:	1-HE-15W	
	Equipment Class:	(21) Tanks and Heat Exchangers	
		WEST COMPONENT COOLING WATER HEAT EXCHANGER	
		m impact by nearby equipment or structures?	Yes
8.	masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? est side of heat exchanger - retrofitted - OK per DWG	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other	Adverse Conditions		
	Have you looked for an	Id found no adverse seismic conditions that could fety functions of the equipment? ded	Yes
Comm	<u>ients</u>		
Fire pi	ping above well supporte	d	
Evalua	ited by:	George G Thomas Date: 10/18/12	
	All	Meda Stoeva 10/18/12	
		10/10/12	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 1-HE-15W

 Equipment Class:
 (21) Tanks and Heat Exchangers

 Equipment Description:
 WEST COMPONENT COOLING WATER HEAT EXCHANGER



P9100010



P9100012





P9100011



P9100013



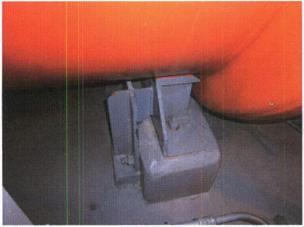
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HE-15W			
Equipment Class:	(21) Tanks and Heat Exchangers	8. 		11. 11. 11.
ipment Description:	WEST COMPONENT COOLING WATER	R HEAT EXCHA	ANGER	4.8
n in the second s	P9100015	-		

P9100017

Equ P9100014



P9100016





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Status: Y N U

Seismic	Walkdown	Checklist	(SWC)

Equipment ID No.: 1-HE-17W	
Equipment Class: _(21) Tanks and Heat Exchangers	
Equipment Description: WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 6	An an ann an Ann Ann Ann Ann Ann Ann Ann
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SQUG 1-HE-17W REV0 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
	103
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-HE-17W	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: Date: 10/	/18/12
Munp. Neda Stoeva 10/	/18/12
Photos	

Status: Y N U

Seismic Walkdown Checklist	(SWC)
Equipment ID No.:	1-HE-17W
	(21) Tanks and Heat Exchangers
	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER
Equipment Description:	
P9181103	
	2012/09/18

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HE-17W	
Equipment Class:	(21) Tanks and Heat Exchangers	
quipment Description:	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	14 ¹⁰ 19
95	P9181106	ani Sala a kili

Equ P9181105





P9181107

P9181108

Status: Y	NU
Seismic Walkdown Checklist (SWC)	ii U
Equipment ID No : 1 HE 1914	
Equipment ID No.: 1-HE-18W	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: WEST CONTAINMENT SPRAY HEAT EXCHANGER	
Project: DC Cook 1 SWEL	<u></u>
Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 4	
Manufacturer/Model: Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on t SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SQUG 1-HE-18W REV0 	Yes
	. v
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Verified with pictures where not visible from platforms	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

()))))))))))))))))))))))))))))))))))))	nent ID No.:	1-HE-18W			191 		
Equip			d Heat Exchang	jers			
Equipment	Description:	WEST CONT	AINMENT SPRA	AY HEAT EXC	HANGER		
			arby equipment				Yes
		a and content the					
			systems, ceiling use onto the equ		ng, and		Yes
9. Do attache	ed lines have	adequate flexit	pility to avoid da	mage?			Yes
o. Do utuoin			and to avoid da	nage.			
			n evaluations, is	equipment fre	e of		Yes
potentially	adverse seis	smic interaction	effects?				
Other Adverse Co	onditions						
11. Have you adversely			erse seismic co the equipment?		buld		Yes
	81		2-1 64 - 2			9 11	
Comments							
- 							
Evaluated by:	General J). dr. 2	George G Thor	mas	Date:	10/18/12	
	\cap	Λ	<u> </u>				
	Ou	mf.	1 0			10/10/10	
		I N	eda Stoeva	.		10/18/12	
		11. · ····					
Photos							
Photos							
Photos							

Status: Y N U

Seismic Walkdown Checklist (SWC)

F

eisinic wardown checklist (Swo)	
Equipment ID No.: 1-HE-18W	
Equipment Class: (21) Tanks and Heat E	xchangers
Equipment Description: WEST CONTAINMEN	T SPRAY HEAT EXCHANGER
SSO EL DETTEORN	
9180947	P9180948





P9180950



Status: Y N U

Seismic Walkdown Checklist (SWC)

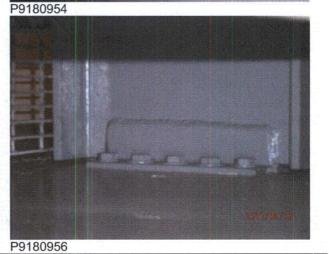




2012/09/18

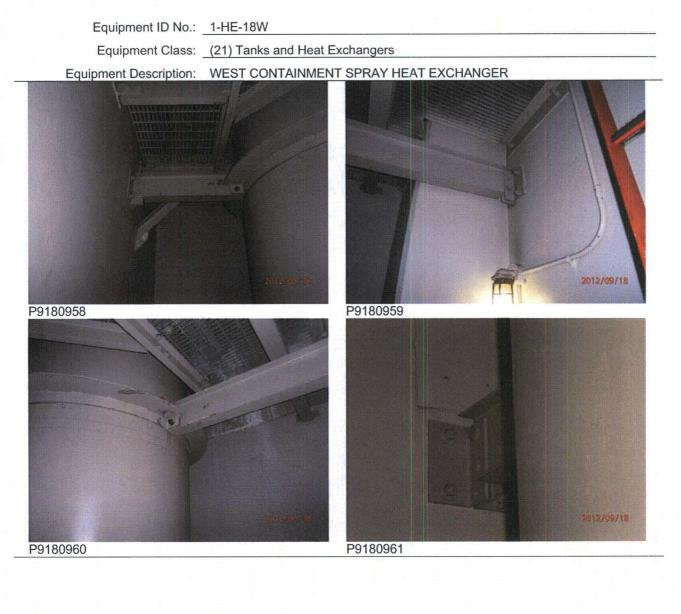
P9180953





Status: Y N U

Seismic Walkdown Checklist (SWC)



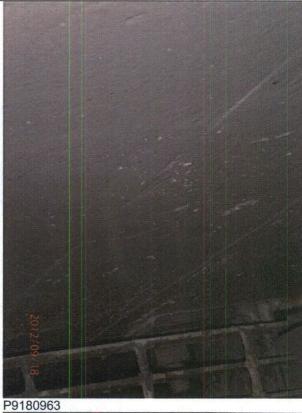
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HE-18W	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	WEST CONTAINMENT SPRAY HEAT EXCHANGER	
		0



P9180962







Status: Y N U
Seismic Walkdown Checklist (SWC)
Equipment ID No.: 1-HV-ACRA-2
Equipment Class: (10) Air Handlers
Equipment Description: CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING
Project: DC Cook 1 SWEL
Location (Bldg, Elev, Room/Area): _AB1, 650.00 ft, 129
Manufacturer/Model:
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
Anchorage
1. Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

- 4. Is the anchorage free of visible cracks in the concrete near the anchors?
- 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
- 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Interaction Effects

Yes

								Statu	s: YN	U I
Seism	ic Walkdow	n Checklist (S	NC)							
	Equipn	nent ID No.: 1-	HV-ACRA-2	8.,				····**: 181 189	j) D	
	Equip	ment Class: (1	0) Air Handle	rs				300 y		
	Equipment I	Description: C	ONTROL RO	OM VENT	ILATION S	OUTH AIR	CONDI	TIONING		
7.	Are soft ta	rgets free from i	mpact by nea	rby equipr	nent or stru	ctures?				Yes
									*	
8.		ead equipment, lock walls not lil					and			Yes
9.	Do attache	ed lines have ad	equate flexibil	lity to avoid	d damage?				2400 	Yes
10.		the above seism adverse seismi			ıs, is equipr	nent free c	of			Yes
· · · · · · · · · · · · · · · · · · ·		onditions looked for and for affect the safety				that could	1		8	Yes
	auversely	allect the salety		ne equipri						
Comm	<u>nents</u>			н - 13 1		: مریکی کی کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد کرد		a an	1	<u></u>
Evalua	ated by:	Howy H.	and ,	George G	Thomas		_ Date:	10/18/12		
		Alun	N.	da Stoeva				10/18/12		

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-ACRA-2
Equipment Class:	(10) Air Handlers

Equipment Description: CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING







P9100124



P9100126

Status: Y N U	1
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-HV-ACRF-2	-
Equipment Class: (9) Fans	-
Equipment Description: CONTROL ROOM PRESSURIZATION/CLEANUP FILTER UNIT	
Project: DC Cook 1 SWEL	_
Location (Bldg, Elev, Room/Area): AB1, 650.00 ft, 129	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and	
findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage	
Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? No	
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes	
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes	
4. In the enchances free of visible encodes in the concrete point the enchance?	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	
6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?	

Interaction Effects

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1-HV-ACRF-2	
	Equipment Class: (9) Fans	nin in ni nin in ni
	Equipment Description: CONTROL ROOM PRESSURIZATION/CLEANUP FILTEF	
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Block Wall - retrofitted - OK per DWG 12-4031, Wall W-1	Yes
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
214 7.3 7.3		
	Adverse Conditions Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comm	nents	
Evalua	ated by: <u>Mark M. A. R. George G Thomas</u> Date: 1	0/18/12
	(Mun).	0/18/12

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-HV-ACRF-2

Equipment Class: (9) Fans

Equipment Description: CONTROL ROOM PRESSURIZATION/CLEANUP FILTER UNIT

P9100105





P9100104



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ROOM-603 PRESSURE EQUALIZING TAN ROOM *T

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-HV-ACRF-2

Equipment Class: (9) Fans

Equipment Description: CONTROL ROOM PRESSURIZATION/CLEANUP FILTER UNIT P9100108 P9100109

Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-HV-AES-2	
Equipment Class: (10) Air Handlers	
Equipment Description: AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY	
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): AB1, 633.00 ft, 8	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipmer SWEL. The space below each of the following questions may be used to record the results of judgm findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 12-5739 REV1 	Yes
Dwg 12-5/39 (LV1	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
2. In the production of comparison that is more than wild surface suidation?	Vee
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	

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						Status:	YNU
Seismic Walk	down Checklist (S	WC)					
Fo	uipment ID No.: 1	-HV-AES-2					
	uipment Class: (191 191 191	10 CT	79 ³		. 77
	ent Description: A		ING VENTI		GINEERED	SAFETY	
7. Are so	ft targets free from	impact by nearby	equipment of	or structures	?		Yes
mason	erhead equipment, ry block walls not l wall behind filter u	kely to collapse or	nto the equip		ting, and		Yes
0 Da atta		1	a and all all and				Ver
9. Do atta	ached lines have a	bequate flexibility t	o avoid darr	nage?			Yes
	on the above seisi ally adverse seism			equipment fi	ree of		Yes
Other Adverse	Conditions		1				
	ou looked for and	found no adverse	seismic con	ditions that o	could		Yes
	ely affect the safet						
Comments	na ¹ ageria and marzó czest and and i con m					200	
	: 		teri 19				5. : pr. 111
Evaluated by:	Howy H.	and Geo	rge G Thom	as	Date:	10/18/12	
	â	0					
	am	Neda S	Stoeva			10/18/12	
		Tieda (
			100 ag	ii.	1¢	ni Mi _{da} Mi	
Photos							

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID	No.: 1-HV-AES-2		
Equipment C	Class: (10) Air Handlers		
Equipment Descri	ption: AUXILIARY BUILDING	G VENTILATION ENGINEERED S	AFETY
1HV ENGI SA			

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-AES-2
Equipment Class:	(10) Air Handlers
Equipment Description:	AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY









P9100159

P9100160

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-AES-2
Equipment Class:	(10) Air Handlers
	AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY
· · · · ·	
P9100161	P9100162
P9100163	P9100164

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-AES-2	81 			41 19. julio 19. julio		
Equipment Class:	(10) Air Handlers			e P		-	

Equipment Description: AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY



Seismic Walkdown Checklist (SWC) Equipment ID No:: 1-HV-CEQ-1 Equipment Class: (10) Air Handlers Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1 Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts 3. 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Not Applicable	Status: Y N	U
Equipment Class: (10) Air Handlers Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1 Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75 Manufacturer/Model:		
Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1 Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Equipment ID No.: 1-HV-CEQ-1	
Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Equipment Class: (10) Air Handlers	
Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	
Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Project: DC Cook 1 SWEL	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 75	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage Is 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? Yes Only saw 2.5 out of 4 sides of bolts Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Is the anchorage free of visible cracks in the concrete near the anchors? Yes Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Manufacturer/Model:	
SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	Instructions for Completing Checklist	
1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Only saw 2.5 out of 4 sides of bolts Yes 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable	SWEL. The space below each of the following questions may be used to record the results of judgments an	
 of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes <i>Only saw 2.5 out of 4 sides of bolts</i> 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage 	Anchorage	
Only saw 2.5 out of 4 sides of bolts 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable		No
Only saw 2.5 out of 4 sides of bolts 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable		
Only saw 2.5 out of 4 sides of bolts 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage Not Applicable		
 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 	2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 	Only saw 2.5 out of 4 sides of bolts	
 4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 		
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 		
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 		
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage 		
This question only applies if the item is one of the 50% for which an anchorage	4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
This question only applies if the item is one of the 50% for which an anchorage		
This question only applies if the item is one of the 50% for which an anchorage		
	This question only applies if the item is one of the 50% for which an anchorage	able
	comparation vemication is required.y	
6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?	6. Based on the above anchorage evaluations, is the anchorage free of	Yes
potentially adverse seismic conditions:	potentially adverse seisific conditions:	

111101

Interaction Effects

	Equip	ment ID No	.: <u>1-HV</u>	-CEQ-1							
	Equij	oment Class	s: (10) /	Air Hand	lers						7
	Equipment	Description	: CON	TAINME	NT HYDRO	OGEN SI	KIMMER	VENTILAT		N #1	
7		argets free f							÷.		Yes
8		nead equipn block walls						iting, and			Yes
~							0				V
9	Do attach	ned lines ha	ve adequ	late flexi	bility to avo	old dama	ge?				Ye
			ан алан алан алан алан алан алан алан а			10 10 10 10 10 10 10 10 10 10 10 10 10 1					20 20
10		the above				ons, is eq	uipment	free of			Ye
10		the above y adverse s				ons, is eq	uipment	free of			Ye
10						ons, is eq	uipment	free of			Ye
10						ons, is eq	uipment t	free of			Ye
	potentiall er Adverse C	y adverse so	eismic in	teraction	effects?						Ye
	potentiall er Adverse C 1. Have you	y adverse s	eismic in	teraction	effects?	nic condit					Ye
Othe	potentiall er Adverse C 1. Have you	y adverse s conditions I looked for	eismic in	teraction	effects?	nic condit					
Othe	potentiall er Adverse C 1. Have you	y adverse s conditions I looked for	eismic in	teraction	effects?	nic condit					
<u>Othe</u> 11	potentiall er Adverse C 1. Have you	y adverse s conditions I looked for	eismic in	teraction	effects?	nic condit					
<u>Othe</u> 11	potentiall er Adverse C 1. Have you adversely	y adverse s <u>Conditions</u> I looked for y affect the s	eismic in and foun safety fur	teraction d no adv nctions o	effects?	nic condit					
Othe 11	potentiall er Adverse C 1. Have you adversely	y adverse s <u>Conditions</u> I looked for y affect the s	eismic in	teraction d no adv nctions o	effects?	nic condit ment?	tions that	could	e: <u>10/1</u>	8/12	
Dthe 11	potentiall er Adverse C 1. Have you adversely	y adverse s <u>Conditions</u> I looked for y affect the s	eismic in and foun safety fur	teraction d no adv nctions o	effects? verse seism f the equip	nic condit ment?	tions that	could	e: <u>10/1</u>	8/12	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-CEQ-1
Equipment Class:	(10) Air Handlers

Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1

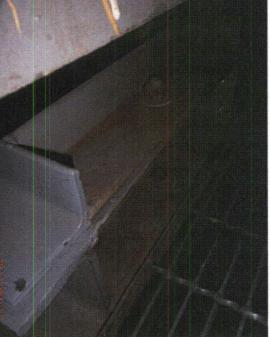


61

P9120430







P9120432

P9120433

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-CEQ-1
Equipment Class:	(10) Air Handlers
Equipment Description:	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1



C-187

Status: Y N U

Seismic Walkdown Checklist (SWC)	12 -18 -19 -19 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10
Equipment ID No.: 1-HV-CEQ-2	
Equipment Class: (10) Air Handlers	ан алан алан алан алан алан алан алан а
Equipment Description: CONTAINMENT HYDROGEN SKIMMER VENTILATION FA	N #2
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): CON1, 625.00 ft, 74	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of eq SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comm	f judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SHOULD BE CHANGED TO 'NO' NOT ACCESSIBLE ALL THE WAY 	Yes
AROUND	
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Can only see one side and 1 wall beam anchorage	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Painted bolts	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Should be taken off anchorage list cannot see all anchors 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

					Status: Y	NU
Seismic Walkdo	wn Checklist	(SWC)				
Equip	ment ID No.:	1-HV-CEQ-2				
		(10) Air Handlers				
		CONTAINMENT HY	DROGEN SKIMME		N FAN #2	88
7. Are soft t	argets free fro	m impact by nearby e	equipment or structu	res?		Yes
		nt, distribution system ot likely to collapse on		ighting, and		Yes
9. Do attach	ned lines have	adequate flexibility to	o avoid damage?			Yes
		ismic interaction eval		nt free of		Yes
Other Adverse C	Conditions	an a				
11. Have you	looked for ar	nd found no adverse s fety functions of the e		at could		Yes
Comments	91	2511 (1997) (199	10 10 10 	10 10 10 10 10		
	Howy J). July Geor	0.7		40/40/40	
Evaluated by:	·	Geor	ge G Thomas	Date:	10/18/12	
	(1).	und.				
	- Ul	∼ T Neda S	stoeva	19 81 2011	10/18/12	
Photos						

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-CEQ-2
Equipment Class:	(10) Air Handlers
Equipment Description:	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2





P9120406



P9120408



P9120409



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-CEQ-2	. 40	4	
Equipment Class:	(10) Air Handlers			
ipment Description:	CONTAINMENT HYDROGEN SKIMMER VENTILATION	FAN #2	2	

Equi P9120410





P9120412



Status: Y N U

Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-HV-DGX-1 Equipment Class: (9) Fans Equipment Description: AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 587.00 ft, 121 Manufacturer/Model: Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments. Anchorage 1. Is anchorage configuration verification required (i.e., is the item one of the 50% Yes of SWEL items requiring such verification)? SQUG 1-HV-DGX-1 REV0 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes Cannot see all bolts - other equipment/piping in area obstruct view. Visible bolts OK 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes Visible bolts OK 4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable 5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This guestion only applies if the item is one of the 50% for which an anchorage configuration verification is required.) CANNOT VERIFY ALL BOLTS 6. Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions?

Interaction Effects

	Equipr	ment ID No	o.: 1-HV-E)GX-1					
			s: (9) Far						
					Y DIESEL (GENERATO	R ROOM VEN	ITILATION	
						nt or structure			Yes
	یله الله ۱۹۹۹ ۱۹۹۹ کار ۱۹۹۰ کار ۱۹۹۰ کار			4 ⁸⁸¹ s." 5					4.
8.					tems, ceiling onto the eq	g tiles and lig uppment?	hting, and		Yes
	indeein j i		not intoly t	o concipco		laipinionti			
9.	Do attach	od linos ba		to flovibilit	y to avoid d	200202			Ye
5.	DU attach	eu intes na	ive auequa		y to avoid d	amayer			Ie
10.	Based on	the above	seismic int	eraction e	valuations,	is equipment	t free of		Ye
	potentially	adverse s	seismic inte	raction eff	ects?				
ther /	Adverse C	onditions				Di Tali			
11.					e seismic c e equipmen	onditions tha t?	t could		Ye
omm	<u>ents</u>							an a	
valua	ted by:	Howy	H. Dr	2 Ge	eorge G Tho	omas	Date:	10/18/12	
			0						*
		IMI							

Photos

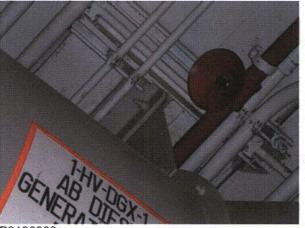
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-DGX-1
Equipment Class:	(9) Fans
Equipment Description:	AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION
HANDIN VIII	



P9130301

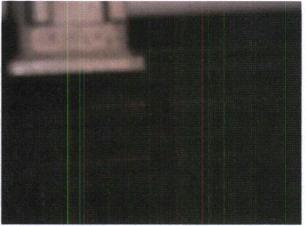


P9130303





P9130302



P9130304



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-DGX-1	
Equipment Class:	(9) Fans	
Equipment Description:	AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION	
P9130305	P9130306	



	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-HV-SGRS-8	
Equipment Class: (9) Fans	Change and the second sec
Equipment Description: 4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11	A AND
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 204	
Manufacturer/Model:	
Instructions for Completing Checklist	an ni
This checklist may be used to document the results of the Seismic Walkdown of an item of easier. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other communications.	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SQUG 1-HV-SGRS-8 REV0 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
Unistrut mounted	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

						Status	S: YN U
Seismic Walke	down Checklist	(SWC)					20 2007. (***)
Equ	uipment ID No.:	1-HV-SGRS-	8			nia Nia	
Eq	uipment Class:	(9) Fans	in an an air				
	ent Description:					FR11A AND	
7. Are so	ft targets free fro	om impact by n	earby equipn	nent or structure	es?		Yes
	erhead equipme ry block walls no				hting, and		Yes
9. Do atta	ached lines have	adequate flex	ibility to avoid	d damage?			Yes
	on the above se ally adverse seis			is, is equipment	free of		Yes
Other Adverse	e Conditions						
	ou looked for ar ely affect the sa				t could		Yes
Comments	11 11 11 11 11 11 11 11 11 11 11 11 11					22 	100 100 101 101 101
Evaluated by:	Yorany J	1. d. 2	George G	Thomas	Date:	10/18/12	
	Alle	m).					
			Neda Stoeva		11. 11. 11. 11. 11. 11. 11. 11. 11. 11.	10/18/12	
	áir Air	ti de la cilita		11 50	e 🕺 🙂	*:	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1-HV-SGRS-8	81.
	Equipment Class:	(9) Fans	
Equ	ipment Description:	4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11A AND	
			A A A A A A A A A A A A A A A A A A A
	N-BA		

P9170748

P9170750

P9170749



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	1-HV-SGRS-8	
Equipment Class:	(9) Fans	
Equipment Description:	4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11A AND	



P9170752

