C

Seismic Walkdown Checklists (SWCs)

	mary of Seismic Walkdown Checklists for DCCNF		,
COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE
12-CRV-51	UNIT 1 & UNIT 2 CONDENSATE STORAGE TANKS CROSSTIE	N	C-5
12-HE-16N	Spent Fuel Pit Heat Exchanger (Note: This is the only SWEL2 Component included)	Y	C-8
12-HV-ACCP-3	COMPONENT COOLING WATER PUMPS VENTILATION SOUTH	N	C-10
12-HV-ESW-5	UNIT 1 WEST ESW PP ROOM SUPPLY VENTILATION FAN	Y	C-13
1-ABD-A	600VAC MOTOR CONTROL CENTER ABD-	Y	C-19
1-ABD-B	600VAC MOTOR CONTROL CENTER ABD-B	N	C-28
1-ACRA-2	CONTROL ROOM AIR HANDLING SUBPANEL #2	Υ	C-37
1-AM-A	600VAC MOTOR CONTROL CENTER AM-A	Υ	C-44
1-BATT-AB	PLANT BATTERY AB	Υ	C-49
1-BC-AB	PLANT BATTERY BATT-AB CONTROL PANEL	Υ	C-54
1-BC-AB1	PLANT BATTERY BATT-AB BATTERY CHARGER #1	Y	C-59
1-BC-AB2	PLANT BATTERY BATT-AB CHARGER #2	N	C-65
1-BCTC-AB ⁽¹⁾	PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER	Y	C-71
1-BLI-130	STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR TRANSMITTER	Υ	C-75
1-BLP-132	STEAM GENERATOR OME-3-1 CHANNEL III REACTOR	N	C-79
1-CCV-AB	250VDC TRAIN 'B' CRITICAL SOLENOID VALVES	N	C-83
1-CCW	COMPONENT COOLING WATER CONTROL PANEL	N	C-87
1-CFI-420	COMPONENT COOLING WATER TO WEST COMPONENT COOLING	Y	C-91
1-CFI-429	WEST RHR HEAT EXCHANGER HE-17W COMPONENT COOLING	N	C-95
1-CLI-114	CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR	Υ	C-99
1-CMO-420	WEST CCW HEAT EXCHANGER CCW OUTLET SHUTOFF VALVE	N	C-103

Table C-1 Summary of Seismic Walkdown Checklists for DCCNP1 Online Walkdowns				
COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE	
1-CRID-3	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION	Υ	C-107	
1-CRID-4-INV	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM	Υ	C-111	
1-DGAB	AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL	Υ	C-115	
1-DGAB-INV	AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	N	C-126	
1-ESW	ESSENTIAL SERVICE WATER CONTROL PANEL	N	C-132	
1-EZC-A	600VAC MOTOR CONTROL CENTER EZC-A	Y	C-137	
1-EZC-A1	600VAC MOTOR CONTROL CENTER EZC- A1	N	C-143	
1-EZC-B	600VAC MOTOR CONTROL CENTER EZC-B	Υ	C-147	
1-EZC-B1	600VAC MOTOR CONTROL CENTER EZC- B1	N	C-153	
1-FFI-240	AUX FEEDWATER TO SG OME-3-4 FLOW INDICATOR TRANSMITTER	Υ	C-157	
1-HE-15W	WEST COMPONENT COOLING WATER HEAT EXCHANGER	N	C-161	
1-HE-17W	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	Υ	C-166	
1-HE-18W	WEST CONTAINMENT SPRAY HEAT EXCHANGER	Υ	C-170	
1-HV-ACRA-2	CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING	N	C-177	
1-HV-ACRF-2	CONTROL ROOM PRESSURIZATION/CLEANUP FILTER UNIT	N.	C-180	
1-HV-AES-2	AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY	Υ	C-184	
1-HV-CEQ-1	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	N	C-190	
1-HV-CEQ-2	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2	Υ	C-194	
1-HV-DGX-1	AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION	Υ	C-199	
1-HV-SGRS-8	4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11A AND	Y	C-203	
1-IFI-53	BORON INJECTION TO REACTOR COOLANT LOOP #3 FLOW	N	C-207	
1-IMO-222	WEST CONTAINMENT SPRAY PUMP DISCHARGE TO	N	C-210	
1-IMO-225	REFUELING WATER STORAGE TANK TO WEST CONTAINMENT	N	C-213	

Table C-1 Summary of Seismic Walkdown Checklists for DCCNP1 Online Walkdowns				
COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE	
1-IMO-320	WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUCTION	N	C-216	
1-IMO-331	WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	N	C-219	
1-IMO-350	WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION	N	C-223	
1-IMO-52	BORON INJECTION TO REACTOR COOLANT LOOP #2 SHUTOFF	N	C-227	
1-IMO-911	REFUELING WATER STORAGE TANK TO CVCS CHARGING	N	C-232	
1-MCAB ⁽¹⁾	250VDC DISTRIBUTION PANEL MCAB	Υ	C-236	
1-MCM-221	MAIN STEAM LEAD #2 TO AUXILIARY FEED PUMP TURBINE	N	C-240	
1-MRV-230	STEAM GENERATOR OME-3-3 STOP VALVE	N	C-243	
1-MRV-243	STEAM GENERATOR OME-3-4 POWER OPERATED RELIEF	N	C-247	
1-NLP-153	PRESSURIZER OME-4 PROTECTION CHANNEL 3 LEVEL	Y	C-250	
1-NPS-111	REACTOR VESSEL TRAIN 'B' WIDE RANGE PRESSURE	Y	C-253	
1-OME-150-AB	AB EMERGENCY DIESEL GENERATOR	Υ	C-258	
1-PP-10W	WEST COMPONENT COOLING WATER PUMP	N	C-264	
1-PP-26S	SOUTH SAFETY INJECTION PUMP	N	C-267	
1-PP-35W	WEST RESIDUAL HEAT REMOVAL PUMP	N	C-272	
1-PP-3W	WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	Y	C-276	
1-PP-4	TURBINE DRIVEN AUXILIARY FEED PUMP	N	C-281	
1-PP-50W	WEST CENTRIFUGAL CHARGING PUMP	Y	C-286	
1-PP-7W	WEST ESSENTIAL SERVICE WATER PUMP	Υ	C-290	
1-PP-9W	WEST CONTAINMENT SPRAY PUMP	Y	C-297	
1-PS-A	600VAC MOTOR CONTROL CENTER PS-A	N	C-301	
1-QT-106-AB1	AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	Y	C-307	
1-QT-107-AB	AB EMERGENCY DIESEL FUEL OIL DAY TANK	Υ	C-312	
1-QT-130-AB2	AB EMERGENCY DIESEL JACKET WATER PUMP #2	Y	C-317	
1-QT-141-AB1	AB EMERGENCY DIESEL STARTING AIR RECEIVER #1	N	C-320	
1-QT-142-AB1	AB EMERGENCY DIESEL STARTING AIR COMPRESSOR #1	Y	C-325	
1-QT-506	TURBINE DRIVEN AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	N	C-330	



Table C-1 Summary of Seismic Walkdown Checklists for DCCNP1 Online Walkdowns				
COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE	
1-RC	REACTOR CONTROL RODS CONTROL PANEL	N	C-333	
1-RPS-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION	Υ	C-336	
1-RPST-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION	N	C-341	
1-RPSX-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION	N	C-346	
1-SG	STEAM GENERATOR AND AUXILIARY FEED PUMP CONTROL	Υ	C-350	
1-SIS	SAFETY INJECTION CONTROL PANEL	Y	C-354	
1-SPY	CONTAINMENT SPRAY CONTROL PANEL	N	C-360	
1-TDAB ⁽¹⁾	250VDC TRAIN 'B' TRANSFER CABINET	N	C-364	
1-TR11A	600VAC BUS 11A SUPPLY TRANSFORMER	N	C-368	
1-TR-AFWX	120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL	Y	C-372	
1-WMO-702	WEST ESSENTIAL SERVICE WTR PUMP PP-7W DISCH S/O VA	N	C-378	
1-WMO-715	WEST CONTAINMENT SPRAY HEAT EXCHANGER 1-HE-18W	N	C-381	
1-WMO-717	WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL	N	C-384	
1-WMO-744	ESSENTIAL SERVICE WATER TO WEST MOTOR DRIVEN	N	C-387	
1-WMO-753	ESSENTIAL SERVICE WATER TO TURBINE DRIVEN	N	C-390	
1-WPA-702	WEST ESW PUMP PP-7W DISCH LOW PRES ALARM XMTR	N	C-393	
1-XPC-211	AB EMER DIESEL STARTING AIR RECEIVER QT-141-AB1 PRESSURE XMTR	N	C-397	

Notes: 1) Partial walkdowns performed on these Components because they could not be opened. These components were walked down again during the outage walkdowns and new checklists were developed and completed under Table C-3.



Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 12-CRV-51 Equipment Class: (7) Fluid-Operated Valves Equipment Description: UNIT 1 & UNIT 2 CONDENSATE STORAGE TANKS CROSSTIE Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): TB1, 591.00 ft, 83 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 No the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable 3. Is the anchorage free of corrosion that is more than mild surface Not Applicable oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Not Applicable anchors? 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (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?

Joionno mai	Kuomi Gilookiid		
Ed	uipment ID No.:	12-CRV-51	
Е	quipment Class:	(7) Fluid-Operated Valves	
Equipm	nent Description:	UNIT 1 & UNIT 2 CONDENSATE STORAGE TANKS CROSST	IE
Interaction E	Effects		
		om impact by nearby equipment or structures?	Yes
		short hooks cannot impact valve and therefore r this component AR 2012-11669 was issued.	\triangle
		ent, distribution systems, ceiling tiles and lighting, lls not likely to collapse onto the equipment?	Yes
9. Do att	ached lines have	adequate flexibility to avoid damage?	Yes
		eismic interaction evaluations, is equipment free seismic interaction effects?	Yes
11. Have		nd found no adverse seismic conditions that the safety functions of the equipment?	Yes
Comments			
Evaluated by	25 mary 31.	George G Thomas Date: 08/15/2013	
		Neda Stoeva 08/15/2013	
<u>Photos</u>			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-CRV-51

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: UNIT 1 & UNIT 2 CONDENSATE STORAGE TANKS CROSSTIE



P9170902



P9170903



P9170904

Seismic Walkdown Checklis		tatus: Y N U
Equipment ID No.:	•	
	(21) Tanks and Heat Exchangers	
	Spent Fuel Pit Heat Exchanger	
	t: DC Cook 1 SWEL	
Location (Bldg, Elev		
Manufacturer/Mode	l:	
Instructions for Completing	Checklist	
SWEL. The space below eac	document the results of the Seismic Walkdown of an ite h of the following questions may be used to record the re e is provided at the end of this checklist for documenting	esults of judgments
<u>Anchorage</u>		
	ation verification required (i.e., is the item one of its requiring such verification)? EVO	Yes
2. Is the anchorage free of	of bent, broken, missing or loose hardware?	Yes
Is the anchorage free oxidation? PAINTED	of corrosion that is more than mild surface	Yes
4. Is the anchorage free of anchors?	of visible cracks in the concrete near the	Yes
(Note: This question of	guration consistent with plant documentation? nly applies if the item is one of the 50% for which ation verification is required.)	Yes
Based on the above an potentially adverse sei	nchorage evaluations, is the anchorage free of smic conditions?	Yes

.				
Status:	_ Y _	N	U	

	Equipment ID No.:	12-HE-16N			
	Equipment Class:	(21) Tanks and Heat Exchangers			
	Equipment Description:	Spent Fuel Pit Heat Exchanger			
	<u> </u>	m impact by nearby equipment or structures? or swing into 12-HE-16N but is not damaging	Yes		
8.		nt, distribution systems, ceiling tiles and lighting, is not likely to collapse onto the equipment?	Yes		
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes		
10.	10. Based on the above seismic interaction evaluations, is equipment free Yes of potentially adverse seismic interaction effects?				
Other	Adverse Conditions				
11.	Have you looked for an	d found no adverse seismic conditions that he safety functions of the equipment?	Yes		
Comn	<u>nents</u>				
Evalua	ated by: Shaw 31.	George G Thomas Date:	10/18/12		
		Neda Stoeva	10/18/12		
Photo	<u>s</u>				

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 12-HV-ACCP-3 Equipment Class: (9) Fans Equipment Description: COMPONENT COOLING WATER PUMPS VENTILATION SOUTH Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB2, 633.00 ft, 633 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 No the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable Insulated component attached inline with HVAC vents 3. Is the anchorage free of corrosion that is more than mild surface Not Applicable oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Not Applicable anchors? 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (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?

Status:	Υ	Ν	U	

ocionno riamaoi	••		
Equipm	nent ID No.:	12-HV-ACCP-3	
Equipr	ment Class:	(9) Fans	
Equipment [Description:	COMPONENT COOLING WATER PUMPS VEN	TILATION SOUTH
Interaction Effect 7. Are soft tar		m impact by nearby equipment or structures?	Yes
and masor	ry block wal	nt, distribution systems, ceiling tiles and lighting, is not likely to collapse onto the equipment? Since with vent and at ceiling level	Not Applicable
9. Do attache	d lines have	adequate flexibility to avoid damage?	Yes
		ismic interaction evaluations, is equipment free eismic interaction effects?	Yes
	ooked for an	d found no adverse seismic conditions that he safety functions of the equipment?	Yes
Comments			
Evaluated by:	Strang Dr.	George G Thomas Date:	10/18/12
-	- Wha	Neda Stoeva	10/18/12
<u>Photos</u>			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ACCP-3

Equipment Class: _(9) Fans

Equipment Description: COMPONENT COOLING WATER PUMPS VENTILATION SOUTH







P9100179

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 12-HV-ESW-5 Equipment Class: (9) Fans Equipment Description: UNIT 1 WEST ESW PP ROOM SUPPLY VENTILATION FAN Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): SH1, 591.00 ft, 136 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 Yes the 50% of SWEL items requiring such verification)? DWG 12-5682 REV10 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Yes (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?

Seismic Walkdown	Checklist	(SWC)
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	Equipment ID No.:	12-HV-ESW-5	
	Equipment Class:	(9) Fans	
	Equipment Description:	UNIT 1 WEST ESW PP ROOM SUPPLY VENT	ILATION FAN
	ction Effects Are soft targets free fro	n impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, s not likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		smic interaction evaluations, is equipment free eismic interaction effects?	Yes
Other	Adverse Conditions		
	Have you looked for an	d found no adverse seismic conditions that ne safety functions of the equipment?	Yes
Comn	nents		
Evalua	ated by: 35 aug 21.	Date:	10/18/12
		Noda Otocva	10/10/12
Photo	<u>s</u>		

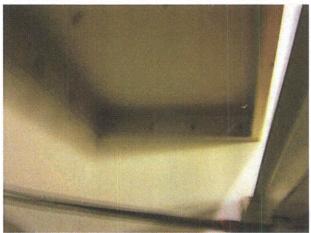
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-5

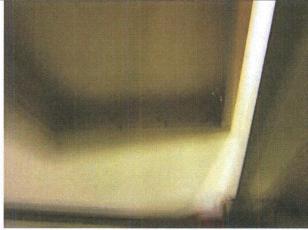
Equipment Class: (9) Fans



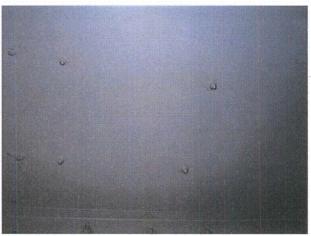
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P9090028



P9090027



P9090029

Seismic Walkdown Checklist (SWC)

Equipment ID No.:

12-HV-ESW-5

Equipment Class: (9) Fans



P9090030



P9090031



P9090032



P9090033

Seismic Walkdown Checklist (SWC)

Equipment ID No.:

12-HV-ESW-5

Equipment Class: (9) Fans



P9090034



P9090035



P9090036



P9090037

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-5

Equipment Class: (9) Fans





Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-ABD-A Equipment Class: (1) Motor Control Centers Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A 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 Yes the 50% of SWEL items requiring such verification)? SQUG 1-ABD-A REVO 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? Concrete only in front of MCC 5. Is the anchorage configuration consistent with plant documentation? Yes (Note: This guestion 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?

Seismic Walkdown Checklist (SWC)

Eq	uipment ID No.:	1-ABD-A	<u> </u>	
E	quipment Class:	(1) Motor Control Centers		
Equipm	ent Description:	600VAC MOTOR CONTROL CENTER ABD-A		
Interaction E	<u>ffects</u>			
7. Are so	ft targets free from	n impact by nearby equipment or structures?	No	
Fire e	extinguishers on s	hort hooks - AR 2012-11669 was issued.		
and m	8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? CO2 fire protection			
9. Do att	. Do attached lines have adequate flexibility to avoid damage?			
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?			No	
11. Have		found no adverse seismic conditions that e safety functions of the equipment?	Yes	
Comments				
Evaluated by:	Hhay II.	George G Thomas Date: 10/18/	2	
		Neda Stoeva 10/18/	2	

Seismic Walkdown Checklist (SWC)

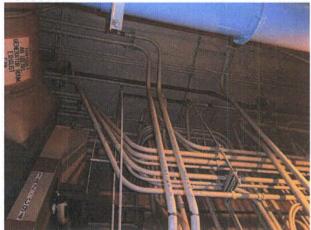
Equipment ID No.:

1-ABD-A

Equipment Class: (1) Motor Control Centers



P9130194



P9130196



P9130195



P9130197

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-A

Equipment Class: _(1) Motor Control Centers



P9130198



P9130200



P9130199



P9130201

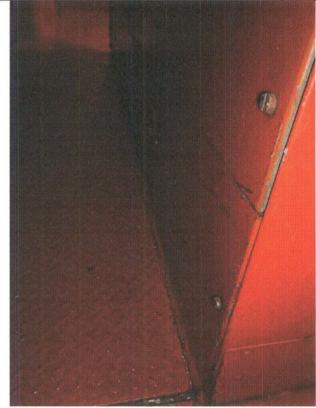
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-A

Equipment Class: (1) Motor Control Centers



P9130202

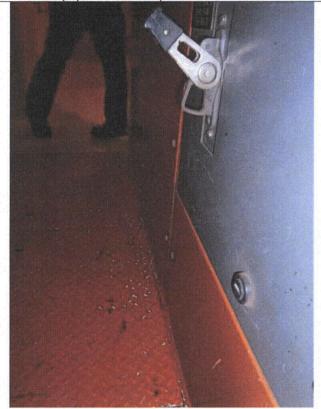


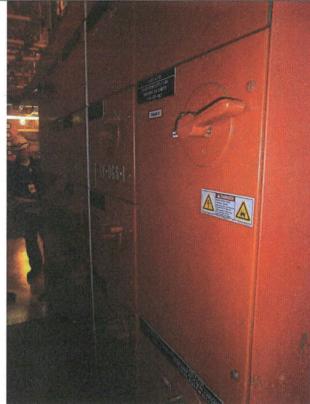
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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-A

Equipment Class: (1) Motor Control Centers





P9130204

P9130205

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-A

Equipment Class: _(1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A



P9130206



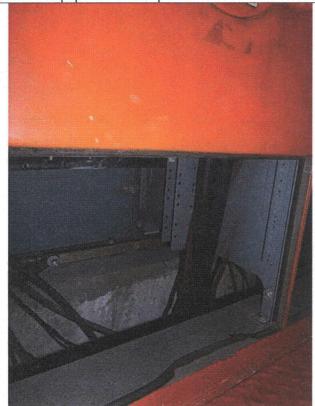
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Seismic Walkdown Checklist (SWC)

Equipment ID No.:

1-ABD-A

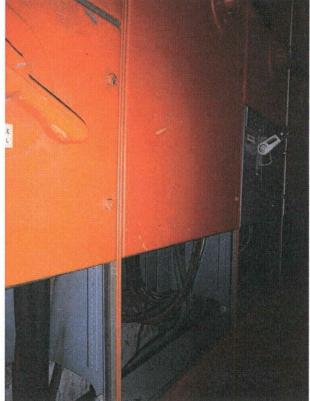
Equipment Class: (1) Motor Control Centers



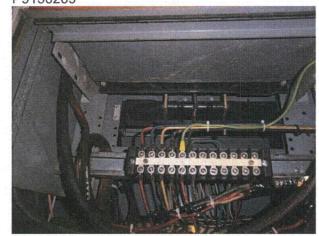
P9130208



P9130210



P9130209



P9130211

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-A

Equipment Class: (1) Motor Control Centers



Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-ABD-B Equipment Class: (1) Motor Control Centers Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B 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 Yes the 50% of SWEL items requiring such verification)? SQUG 1-ABD-A REV0 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? Concrete only in front of MCC 5. Is the anchorage configuration consistent with plant documentation? Yes (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?

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1-ABD-B		
	Equipment Class:	(1) Motor Control Centers		
	Equipment Description:	600VAC MOTOR CONTROL CENTER ABD-B		
<u>Intera</u>	ction Effects			
7.	Are soft targets free fro	m impact by nearby equipment or structures?	No	
	Fire extinguishers on	short hooks - AR 2012-11669 was issued.		
8.		nt, distribution systems, ceiling tiles and lighting, s 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?				
Other	Adverse Conditions			
11.		d found no adverse seismic conditions that ne safety functions of the equipment?	Yes	
Comm	<u>nents</u>			
Evalua	ated by:	George G Thomas Date:	10/18/12	
	Ulm	Neda Stoeva	10/18/12	
Photo	<u>s</u>			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

Equipment Class: (1) Motor Control Centers



P9130194



P9130196



P9130195



P9130197

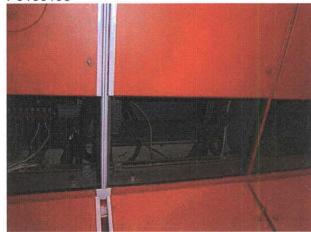
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

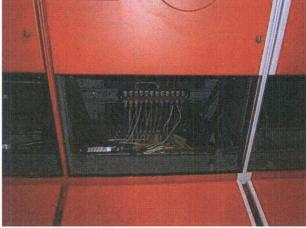
Equipment Class: _(1) Motor Control Centers



P9130198



P9130200



P9130199



P9130201

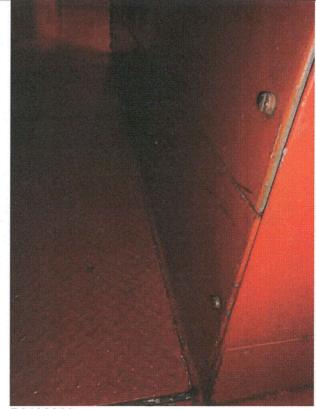
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

Equipment Class: (1) Motor Control Centers



P9130202



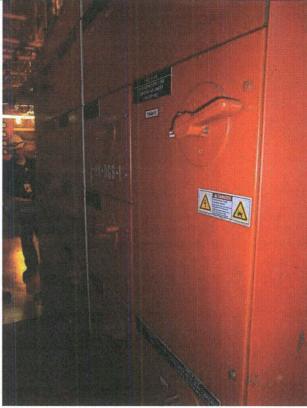
P9130203

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

Equipment Class: _(1) Motor Control Centers





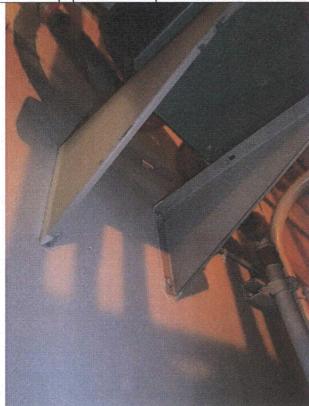
P9130205

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

Equipment Class: _(1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B





P9130207

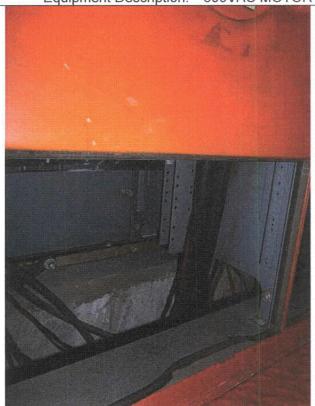
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P9130206

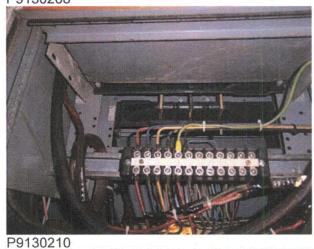
Seismic Walkdown Checklist (SWC)

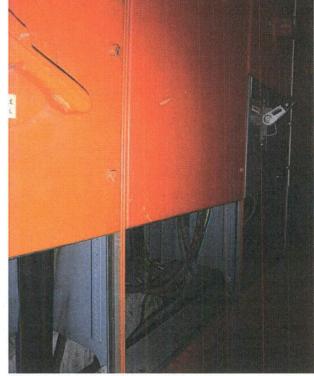
Equipment ID No.: 1-ABD-B

Equipment Class: _(1) Motor Control Centers

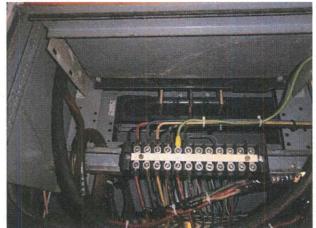


P9130208





P9130209



P9130211

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ABD-B

Equipment Class: (1) Motor Control Centers



Seismic Walkdown Checklist (SWC) Equipment ID No.: _____ 1-ACRA-2 Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2 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 Yes the 50% of SWEL items requiring such verification)? DWG 12-3366 REV5 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Yes (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? Welds at all 4 corners. 1 bolt has lack of thread engagement evaluated in SQUG - OK

Seismic Walkdown Checklist (SWC)

Equipment I	D No.:	I-ACRA-2		
Equipment	Class: (20) Instrumentation	on and Control Panels and Ca	binets	
Equipment Descr	iption: CONTROL ROOM	I AIR HANDLING SUBPANEL	#2	
Interaction Effects				
7. Are soft targets	free from impact by nearby	equipment or structures?	Yes	
and masonry blo	quipment, distribution syste ock walls not likely to collap trofitted (adjacent to panel)		Yes	
9. Do attached line	s have adequate flexibility	to avoid damage?	Yes	
	oove seismic interaction eva verse seismic interaction e	aluations, is equipment free ffects?	Yes	
Other Adverse Condit	ions			
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:	George	G Thomas Date:	10/18/12	
	Neda Sto	eva	10/18/12	
Photos				

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ACRA-2

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2



P9100111



P9100112

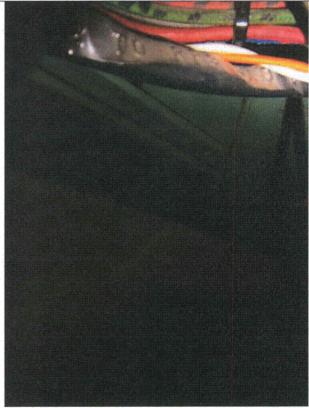
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ACRA-2

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2





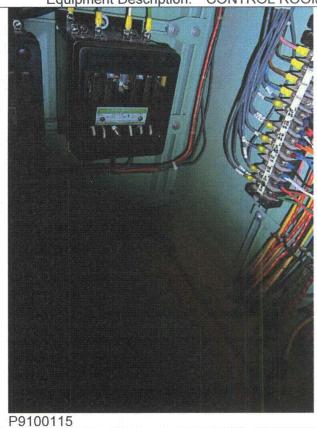
P9100114

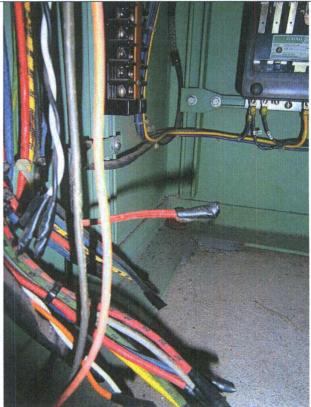
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ACRA-2

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2





P9100116

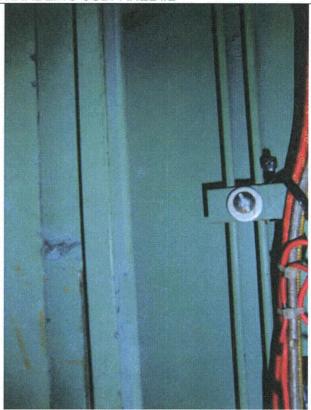
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ACRA-2

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2





P9100117 P9100118

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-ACRA-2

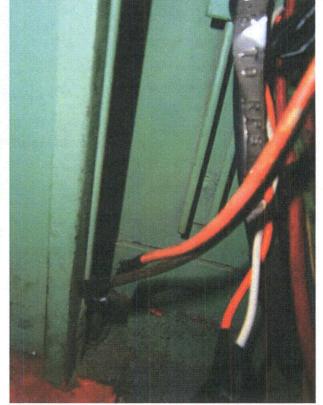
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM AIR HANDLING SUBPANEL #2









P9100120

Status: Y N U Seismic Walkdown Checklist (SWC) 1-AM-A Equipment ID No.: Equipment Class: (1) Motor Control Centers Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A Project: DC Cook 1 SWEL Location (Bldg, Elev. Room/Area): AB1, 633.00 ft, 633 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 Yes the 50% of SWEL items requiring such verification)? SQUG 1-AM-A REVO 2. Is the anchorage free of bent, broken, missing or loose hardware? Yes 2 J Bolts in corners on both sides (front and back) 4 Red Heads in front & 4 Red Heads in back 3. Is the anchorage free of corrosion that is more than mild surface Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Yes (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?

Seismic Walkdown Checklist (SWC)

	Equipment ID No.: 1-AM-A	
	Equipment Class: (1) Motor Control Centers	
	Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A	
	action Effects	•
7.	Are soft targets free from impact by nearby equipment or structures?	No
	Fire extinguishers on short hooks - AR 2012-11669 was issued.	
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?	No
<u>Other</u>	r Adverse Conditions	
11.	Have you looked for and found no adverse seismic conditions that	Yes
	could adversely affect the safety functions of the equipment?	
Comr	<u>ments</u>	
Evalu	uated by:	
	Neda Stoeva 10/18/12	
	10/10/12	
Photo	<u>os</u>	

Seismic Walkdown Checklist (SWC)

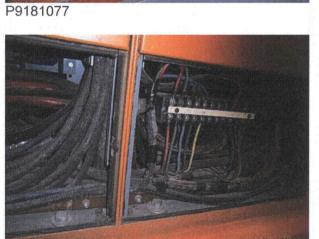
Equipment ID No.:

1-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A





P9181079



P9181078



P9181080

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A



P9181081



P9181083



P9181082



P9181084

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A



P9181085

Status: Y N U Seismic Walkdown Checklist (SWC) 1-BATT-AB Equipment ID No.: Equipment Class: (15) Batteries on Racks Equipment Description: PLANT BATTERY AB Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 200 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 Yes the 50% of SWEL items requiring such verification)? SQUG 1-BATT-AB REVO 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 Yes Very minor oxidation on base plate of front plate on right side batteries 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Yes (Note: This guestion 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?

Seismic Walkdown Checklist (SWC)

Equipment ID N	o.: 1-BATT-AB	
Equipment Cla	ss: _(15) Batteries on Racks	
Equipment Descripti	n: PLANT BATTERY AB	
Interaction Effects		
7. Are soft targets free	from impact by nearby equipment or structures?	Yes
	ment, distribution systems, ceiling tiles and lighting, walls not likely to collapse onto the equipment?	Yes
9. Do attached lines h	ave adequate flexibility to avoid damage?	Yes
	seismic interaction evaluations, is equipment free e seismic interaction effects?	Yes
Other Adverse Condition	3	
11. Have you looked for and found no adverse seismic conditions that Yes		
could adversely affe	ct the safety functions of the equipment?	
Comments		
Evaluated by:	George G Thomas Date: 10/18/12	
	Neda Stoeva 10/18/12	
	10/10/12	
Photos		

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BATT-AB

Equipment Class: (15) Batteries on Racks

Equipment Description: PLANT BATTERY AB



P9170687







P9170689

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BATT-AB

Equipment Class: _(15) Batteries on Racks

Equipment Description: PLANT BATTERY AB



P9170690



P9170691



P9170692



P9170693

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BATT-AB

Equipment Class: (15) Batteries on Racks

Equipment Description: PLANT BATTERY AB



P9170694

Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	1-BC-AB	
•	(20) Instrumentation and Control Panels and Cabir	nets
Equipment Description:	PLANT BATTERY BATT-AB CONTROL PANEL	
Project	DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area):	AB1, 613.00 ft, 205	
Manufacturer/Model:		
Instructions for Completing		
SWEL. The space below each	document the results of the Seismic Walkdown of ar of the following questions may be used to record the is provided at the end of this checklist for document	e results of judgments
<u>Anchorage</u>		
	ion verification required (i.e., is the item one of requiring such verification)?	Yes
2. Is the anchorage free or	f bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free or oxidation?	f corrosion that is more than mild surface	Yes
Is the anchorage free or anchors?	f visible cracks in the concrete near the	Yes
(Note: This question on	uration consistent with plant documentation? ly applies if the item is one of the 50% for which tion verification is required.)	Yes
Based on the above an potentially adverse seis	chorage evaluations, is the anchorage free of mic conditions?	Yes

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1-BC-AB		
	Equipment Class:	(20) Instrumentation and Control Panels	and Cabine	ts
	Equipment Description:	PLANT BATTERY BATT-AB CONTROL	. PANEL	
	ction Effects Are soft targets free fro	om impact by nearby equipment or structu	res?	Yes
8.		nt, distribution systems, ceiling tiles and li lls not likely to collapse onto the equipmer		Yes
9.	Do attached lines have	adequate flexibility to avoid damage?		Yes
10.		eismic interaction evaluations, is equipmer seismic interaction effects?	nt free	Yes
Other	Adverse Conditions			
	Have you looked for ar	nd found no adverse seismic conditions the the safety functions of the equipment?	at	Yes
Comm	nents			
Evalua	ated by: Sharp 31.	George G Thomas	_ Date: _10	/18/12
		Neda Stoeva		/18/12
Photo	<u>s</u>			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: PLANT BATTERY BATT-AB CONTROL PANEL



P9170653



P9170654

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: PLANT BATTERY BATT-AB CONTROL PANEL

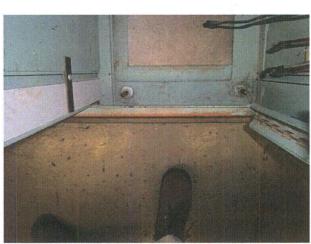




P9170656







P9170658

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: PLANT BATTERY BATT-AB CONTROL PANEL







P9170661



P9170660

Status: Y N U Seismic Walkdown Checklist (SWC) 1-BC-AB1 Equipment ID No.: Equipment Class: (16) Inverters Equipment Description: PLANT BATTERY BATT-AB BATTERY CHARGER #1 Project: DC Cook 1 SWEL Location (Bldg, Elev. Room/Area): AB1, 613.00 ft, 205 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 Yes the 50% of SWEL items requiring such verification)? SQUG 1-BC-AB1 REV0 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 Yes oxidation? Painted 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Yes (Note: This guestion 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?

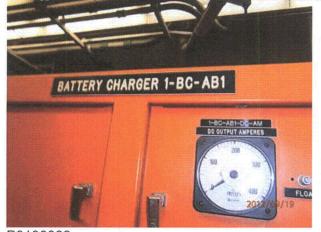
Seismic	Walkdown	Checklist	(SWC)
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	Equipment ID No.:	1-BC-AB1	
	Equipment Class:	(16) Inverters	
1	Equipment Description:	PLANT BATTERY BATT-AB BATTERY CHARGER #	1
Intera	ction Effects	m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, s 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			
Comm	<u>ients</u>		
Evalua	ited by:	ν γ '-	18/12
		Neda Stoeva 10/1	18/12
Photo	e		
L HOLO	2		

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB1

Equipment Class: _(16) Inverters



P9190382



P9190384



P9190383

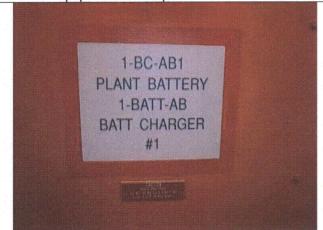


P9190385

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB1

Equipment Class: (16) Inverters



P9170630



P9170632



P9170631



P9170633

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB1

Equipment Class: _(16) Inverters



P9170634



P9170636



P9170635



P9170637

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB1

Equipment Class: (16) Inverters



P9170638



P9170640



P9170639



P9170641

Status: Y N U Seismic Walkdown Checklist (SWC) 1-BC-AB2 Equipment ID No.: Equipment Class: (16) Inverters Equipment Description: PLANT BATTERY BATT-AB CHARGER #2 Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 613.00 ft, 205 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 Nο the 50% 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (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?

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1-BC-AB2	
	Equipment Class:	(16) Inverters	
	Equipment Description:	PLANT BATTERY BATT-AB CHARGER #2	
	ction Effects Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	and masonry block wall	nt, distribution systems, ceiling tiles and lighting, s not likely to collapse onto the equipment? short hooks - AR 2012- 11669 was issued.	No
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		smic interaction evaluations, is equipment free eismic interaction effects?	No
Other	Adverse Conditions		
	Have you looked for an	d found no adverse seismic conditions that ne safety functions of the equipment?	Yes
Comn	<u>nents</u>		
Evalua	ated by:	George G Thomas Date:	10/18/12
	— Open	Neda Stoeva	10/18/12
····			
<u>Photo</u>	<u>s</u>		

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB2

Equipment Class: (16) Inverters



P9190378



P9190380



P9190379



P9190381

Seismic Walkdown Checklist (SWC)

Equipment ID No.:

1-BC-AB2

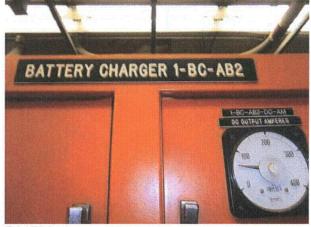
Equipment Class: (16) Inverters



P9170643



P9170645



P9170644



P9170646

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB2

Equipment Class: _(16) Inverters



P9170647



P9170649



P9170648



P9170650

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BC-AB2

Equipment Class: (16) Inverters



P9170651

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-BCTC-AB Equipment Class: (14) Distribution Panels Equipment Description: PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 613.00 ft, 205 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 Yes the 50% of SWEL items requiring such verification)? COULD NOT OPEN - SQUG 1-BCTC-AB REV0 2. Is the anchorage free of bent, broken, missing or loose hardware? Unknown Cannot open - cannot see anchorage 3. Is the anchorage free of corrosion that is more than mild surface Unknown oxidation? Cannot open - cannot see anchorage 4. Is the anchorage free of visible cracks in the concrete near the Unknown anchors? Cannot open - cannot see anchorage 5. Is the anchorage configuration consistent with plant documentation? Unknown (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Cannot open - cannot see anchorage 6. Based on the above anchorage evaluations, is the anchorage free of Unknown potentially adverse seismic conditions?

Seismic Walkdown Checklis	et (SWC)	Status: Y N U	
Equipment ID No.:	` '		
	(14) Distribution Panels		
• •	PLANT BATTERY CHARGERS BC-AB1 AND	DC AD2 TDANSEED	
		DC-ADZ TRANSFER	
Interaction Effects		V	
7. Are soft targets free fro	om impact by nearby equipment or structures?	Yes	
and masonry block wa	ent, distribution systems, ceiling tiles and lighting, lls not likely to collapse onto the equipment? short hooks - AR 2012- 11669 was issued.	No	
9. Do attached lines have	e adequate flexibility to avoid damage?	Yes	
	eismic interaction evaluations, is equipment free seismic interaction effects?	No	
Other Adverse Conditions			
could adversely affect Could not open due to Completed inspection of	nd found no adverse seismic conditions that the safety functions of the equipment? o safety concerns during online walkdown. during DCCNP1 Unit 1 Outage Walkdown. eport following Table C-3.	Unknown	1
<u>Comments</u>	•		
Evaluated by:	George G Thomas Date	: _08/15/2013	
Mu	Neda Stoeva	08/15/2013	
	INCUA OLUCVA	00/10/2010	

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BCTC-AB

Equipment Class: (14) Distribution Panels

Equipment Description: PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER



P9170663



P9170664







P9170666

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BCTC-AB

Equipment Class: (14) Distribution Panels

Equipment Description: PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER



P9170667



P9170668



P9170669

Soiem	nic Walkdown Checklist	Status: Y	N U
Seisii			
	Equipment ID No.:	1-BLI-130	
	Equipment Class: _	(18) Instruments on Racks	
	Equipment Description:	STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR TRANSMITTER	JR
		DC Cook 1 SWEL	
	Location (Bldg, Elev,		
		CON1, 612.00 ft, 73	
	Manufacturer/Model:		
Instru	ctions for Completing (Checklist	
		ocument the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of an item of equipment the results of the Seismic Walkdown of the sei	
		of the following questions may be used to record the results of judgis provided at the end of this checklist for documenting other comm	
Anche		is provided at the end of this directalist for documenting other contin	icitto.
1.		on verification required (i.e., is the item one of	Yes
	the 50% of SWEL items	requiring such verification)?	•
	Dwg. 1-5570P.		/
			\(\frac{1}{2} \)
2.	Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
	J	, , , , , , , , , , , , , , , , , , ,	
3.		corrosion that is more than mild surface	Yes
	oxidation?		
4.		visible cracks in the concrete near the	Yes
	anchors?		
5.		• • • • • • • • • • • • • • • • • • •	Yes
		y applies if the item is one of the 50% for which tion verification is required.)	
	and and ago comigate		
^	Danad an Maria da assaria	sharena avalvationa ia tha avalances for a	V
6.	potentially adverse seisi	9	Yes

Seismic Walkdown Checklist (SWC)

	Equipme	ent ID No.:	1-BLI-130		
	Equipm	ent Class:	(18) Instruments on Racks		
	Equipment D	ecrintion:	STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICAT TRANSMITTER	OR	
	Equipment D	escription.	TRANSMITTEN		
Intera	ction Effects				
		-	n impact by nearby equipment or structures?	Yes	
8.			nt, distribution systems, ceiling tiles and lighting,	Yes	
	and masonr	y block wall	s not likely to collapse onto the equipment?		
9.	Do attached	lines have	adequate flexibility to avoid damage?	Yes	
10.	Based on th	e above sei	smic interaction evaluations, is equipment free	Yes	
			eismic interaction effects?		
041	A di O				
	Adverse Co		d found no adverse seismic conditions that	Yes	
			ne safety functions of the equipment?		
Comn	<u>nents</u>				
		isomery 11.	<u> </u>		
Evalua	ated by:	· · · · · · · · · · · · · · · · · · ·	George G Thomas Date: 08/15/2013		
		(Mu	ν ⁴ ν.		
			Neda Stoeva 08/15/2013	· · · · · · · · · · · · · · · · · · ·	

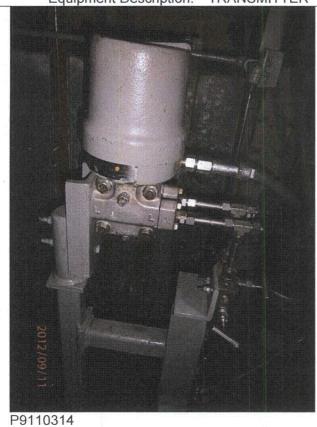
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BLI-130

Equipment Class: (18) Instruments on Racks

STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR

Equipment Description: TRANSMITTER





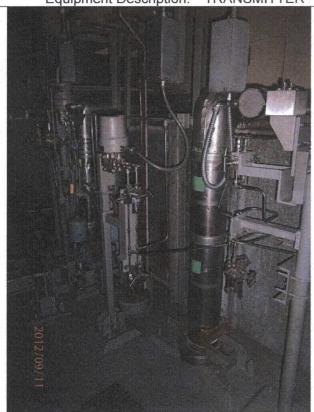
P9110315

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BLI-130

Equipment Class: (18) Instruments on Racks
STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR

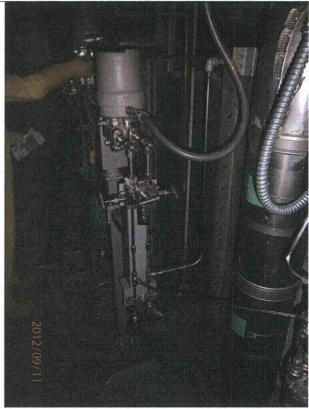
Equipment Description: TRANSMITTER



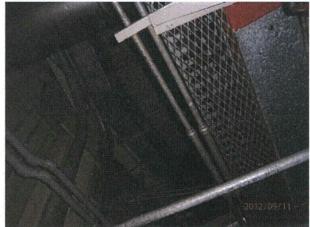




P9110318



P9110317



P9110319

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-BLP-132 Equipment Class: (18) Instruments on Racks Equipment Description: STEAM GENERATOR OME-3-1 CHANNEL III REACTOR Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): CON1, 612.00 ft, 72 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 Nο the 50% 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Yes anchors? 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (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?

Seismic	Walkdown	Checklist	(SWC)
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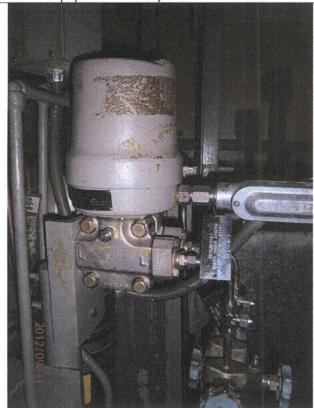
	Equipment ID No.:	1-BLP-132		
	Equipment Class:	(18) Instruments on Racks		
Ed	quipment Description:	STEAM GENERATOR OME-3-1 CHANNEL	III REACTOR	
	ion Effects Are soft targets free fro	m impact by nearby equipment or structures?		Yes
		nt, distribution systems, ceiling tiles and lighting not likely to collapse onto the equipment?	ng,	Yes
9. [Do attached lines have	adequate flexibility to avoid damage?		Yes
		smic interaction evaluations, is equipment fre eismic interaction effects?	ee	Yes
Other A	dverse Conditions			
11. H	Have you looked for an	d found no adverse seismic conditions that ne safety functions of the equipment?		Yes
Comme	<u>nts</u>			
Evaluate	ed by: Sham D. (Muu	D.	ate: _10/18/12	
		Neda Stoeva	10/18/12	
Photos				

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BLP-132

Equipment Class: (18) Instruments on Racks

Equipment Description: STEAM GENERATOR OME-3-1 CHANNEL III REACTOR







P9110334

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-BLP-132

Equipment Class: (18) Instruments on Racks

Equipment Description: STEAM GENERATOR OME-3-1 CHANNEL III REACTOR





P9110336

P9110335

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-CCV-AB Equipment Class: (14) Distribution Panels Equipment Description: 250VDC TRAIN 'B' CRITICAL SOLENOID VALVES Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 633.00 ft, 123 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 Nο the 50% 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 Yes oxidation? 4. Is the anchorage free of visible cracks in the concrete near the Not Applicable anchors? Unistrut mounted 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (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?

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	1-CCV-AB	
	Equipment Class:	(14) Distribution Panels	
Ed	quipment Description:	250VDC TRAIN 'B' CRITICAL SOLENOID \	'ALVES
Interact	ion Effects		
7. <i>F</i>	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
	and masonry block wal	nt, distribution systems, ceiling tiles and lighti ls not likely to collapse onto the equipment? K - <i>clipped per DWG 12-4070</i>	ng, Yes
9. [Do attached lines have	adequate flexibility to avoid damage?	Yes
		ismic interaction evaluations, is equipment free eismic interaction effects?	ee Yes
	dverse Conditions		
		d found no adverse seismic conditions that	Yes
		he safety functions of the equipment?	
Comme	<u>nts</u>		
Evaluate	ed by:	George G Thomas D	ate: _10/18/12
	- (Thu	Neda Stoeva	10/18/12
Photos			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CCV-AB

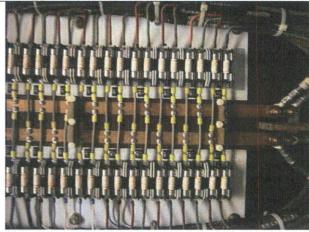
Equipment Class: (14) Distribution Panels

Equipment Description: 250VDC TRAIN 'B' CRITICAL SOLENOID VALVES

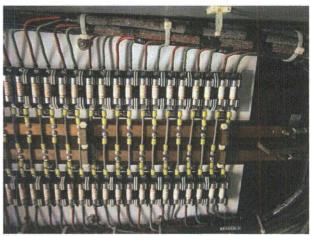




P9191258



P9191257



P9191259

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CCV-AB

Equipment Class: (14) Distribution Panels

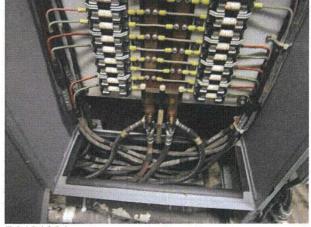
Equipment Description: 250VDC TRAIN 'B' CRITICAL SOLENOID VALVES



P9191260



P9191262



P9191261



P9191263

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-CCW Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: COMPONENT COOLING WATER CONTROL PANEL Project: DC Cook 1 SWEL Location (Bldg, Elev, Room/Area): AB1, 633.00 ft, 123 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 No the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable Panel CCW does not have its own anchorage plate 3. Is the anchorage free of corrosion that is more than mild surface Not Applicable oxidation? Mounted through the rest of the panels around it 4. Is the anchorage free of visible cracks in the concrete near the Not Applicable anchors? 5. Is the anchorage configuration consistent with plant documentation? Not Applicable (Note: This guestion 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?

Seismic Wall	down Checl	klist (SWC)
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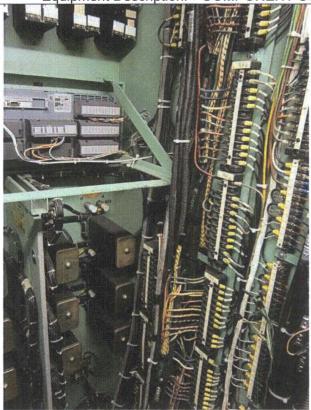
	Equipment ID No.:	1-CCW	
	Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
	Equipment Description:	COMPONENT COOLING WATER CONTROL PANEL	
	nction Effects Are soft targets free fro	m impact by nearby equipment or structures?	Yes
8.	and masonry block wal	nt, distribution systems, ceiling tiles and lighting, ls not likely to collapse onto the equipment? K - clipped per DWG 12-4070	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		ismic interaction evaluations, is equipment free eismic interaction effects?	Yes
Other	Adverse Conditions		
11.	Have you looked for an	d found no adverse seismic conditions that he safety functions of the equipment?	Yes
Comm			
Evalu	ated by:	George G Thomas Date: 10/18/12 Neda Stoeva 10/18/12	
.			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CCW

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: COMPONENT COOLING WATER CONTROL PANEL





P9191228

P9191227

Seismic Walkdown Checklist (SWC)

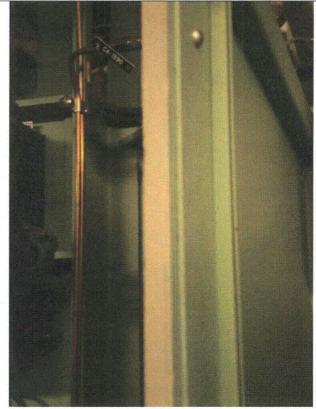
Equipment ID No.: 1-CCW

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: COMPONENT COOLING WATER CONTROL PANEL



P9191229



P9191230

Seismic Walkdown Checklis		Status: Y N U
Equipment ID No.:	1-CFI-420	
Equipment Class:	(18) Instruments on Racks	
Equipment Description:	COMPONENT COOLING WATER TO WEST COMP	ONENT COOLING
Projec	t: DC Cook 1 SWEL	
Location (Bldg, Elev Room/Area	v,): _AB2, 609.00 ft, 609	
Manufacturer/Mode		
Instructions for Completing		
SWEL. The space below eac	document the results of the Seismic Walkdown of an it h of the following questions may be used to record the e is provided at the end of this checklist for documentin	results of judgments
<u>Anchorage</u>		
	ation verification required (i.e., is the item one of as requiring such verification)?	Yes
	6-1. Outline Dimensional Drawing 0224.0901.3 Model	1
2. Is the anchorage free	of bent, broken, missing or loose hardware?	Yes
Is the anchorage free oxidation?	of corrosion that is more than mild surface	Yes
anchors?	of visible cracks in the concrete near the a 4 bolts on the corners	Yes
(Note: This question o	guration consistent with plant documentation? nly applies if the item is one of the 50% for which ration verification is required.)	Yes
Based on the above a potentially adverse sei	nchorage evaluations, is the anchorage free of smic conditions?	Yes

Seismic Walkdown Checklist (SWC)

	Equipment ID No	:1-CFI-420		
	Equipment Clas	: (18) Instruments on Racks		
	Equipment Description	: COMPONENT COOLING WATER TO WEST COMPONEN	T COOLING	
	ction Effects Are soft targets free	rom impact by nearby equipment or structures?	Yes	
8.		ent, distribution systems, ceiling tiles and lighting, alls not likely to collapse onto the equipment?	Yes	
9.	Do attached lines ha	re adequate flexibility to avoid damage?	Yes	
10.		seismic interaction evaluations, is equipment free seismic interaction effects?	Yes	
Other	Adverse Conditions			
	Have you looked for	and found no adverse seismic conditions that the safety functions of the equipment?	Yes	
Comments Fire piping well supported, joints welded.				
Evalua	ated by:	George G Thomas Date: 08/15/201	3	
		Neda Stoeva08/15/201	3	

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CFI-420

Equipment Class: (18) Instruments on Racks

Equipment Description: COMPONENT COOLING WATER TO WEST COMPONENT COOLING



P9100003



P9100005



P9100004



P9100006

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CFI-420

Equipment Class: (18) Instruments on Racks

Equipment Description: COMPONENT COOLING WATER TO WEST COMPONENT COOLING





P9100008

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
	Equipment ID No.:	1-CFI-429	
	Equipment Class:	(18) Instruments on Racks	
E	Equipment Description:	WEST RHR HEAT EXCHANGER HE-17W COMP	ONENT COOLING
	Project:	DC Cook 1 SWEL	
	Location (Bldg, Elev, Room/Area):	AB1, 633.00 ft, 633	
	Manufacturer/Model:		
	ctions for Completing C		
SWEL.	. The space below each	ocument the results of the Seismic Walkdown of ar of the following questions may be used to record th is provided at the end of this checklist for document	e results of judgments
<u>Ancho</u>	<u>orage</u>		
1.		on verification required (i.e., is the item one of requiring such verification)?	No
2.	Is the anchorage free of	bent, broken, missing or loose hardware?	Yes
_,		,,	
3.	Is the anchorage free of oxidation?	corrosion that is more than mild surface	Yes
4.	Is the anchorage free of	visible cracks in the concrete near the	Yes
	anchors?		
5.		uration consistent with plant documentation? y applies if the item is one of the 50% for which	Not Applicable
		tion verification is required.)	
6.	Based on the above and potentially adverse seisr	chorage evaluations, is the anchorage free of mic conditions?	Yes
	,		

Seismic Walkdown Checklist (SWC)

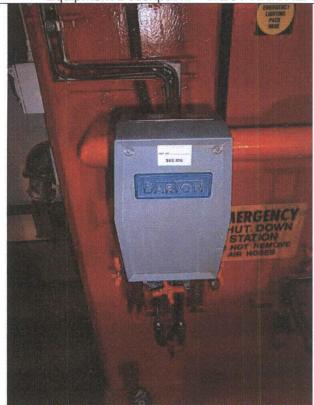
	Equipment ID No.:	1-CFI-429	
	Equipment Class:	(18) Instruments on Racks	
	Equipment Description:	WEST RHR HEAT EXCHANGER HE-17W COM	PONENT COOLING
	ction Effects Are soft targets free fro	n impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, s not likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		smic interaction evaluations, is equipment free eismic interaction effects?	Yes
Other	Adverse Conditions		
11.	Have you looked for an	d found no adverse seismic conditions that ne safety functions of the equipment?	Yes
Comn	nents		
Evalua	ated by:	George G Thomas Date:	10/18/12
	- Mm	Neda Stoeva	10/18/12
Photo	<u>s</u>		

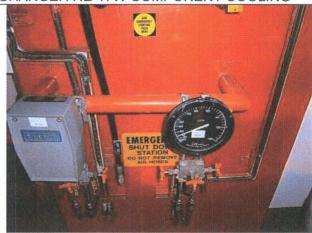
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-CFI-429

Equipment Class: (18) Instruments on Racks

Equipment Description: WEST RHR HEAT EXCHANGER HE-17W COMPONENT COOLING





P9100121

P9100120

Seismic Walkdown Checklist (SWC)

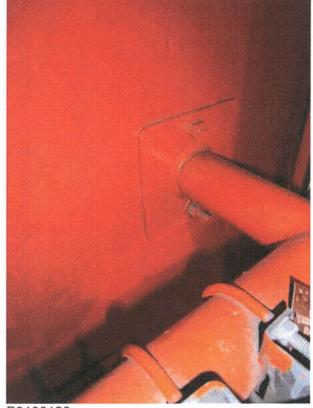
Equipment ID No.: 1-CFI-429

Equipment Class: (18) Instruments on Racks

Equipment Description: WEST RHR HEAT EXCHANGER HE-17W COMPONENT COOLING



P9100122



P9100123



P9100124