DC Cook Unit 1 & Unit 2 SD-121023-001 Rev. 0, 11/05/12

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-SPY

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

Equipment Description: CONTAINMENT SPRAY CONTROL PANEL

P9191224 P9191225

Status:	V	NI	U
Status.		1.4	0

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TDAB

Equipment Class: (14) Distribution Panels

Equipment Description: 250VDC TRAIN 'B' TRANSFER CABINET

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

Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
 CANNOT OPEN OR SEE ANY ANCHORAGE

Yes

2. Is the anchorage free of bent, broken, missing or loose hardware?

Unknown

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Unknown

4. Is the anchorage free of visible cracks in the concrete near the anchors?

Unknown

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.)

Unknown

 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?
 CANNOT OPEN OR SEE ANY ANCHORAGE Unknown

Interaction Effects

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-TDAB Equipment Class: (14) Distribution Panels Equipment Description: 250VDC TRAIN 'B' TRANSFER CABINET 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? **Other Adverse Conditions** 11. Have you looked for and found no adverse seismic conditions that could Unknown adversely affect the safety functions of the equipment? Could not open due to safety concern Comments George G Thomas Date: 10/18/12 Evaluated by:

Neda Stoeva

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TDAB

Equipment Class: (14) Distribution Panels

Equipment Description: 250VDC TRAIN 'B' TRANSFER CABINET

Photos



P9170711



P9170712

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TDAB

Equipment Class: _(14) Distribution Panels

Equipment Description: 250VDC TRAIN 'B' TRANSFER CABINET





P9170714





P9170715

Seismic Walkdown Checklist (SWC)

Equipment	ID No.:	1-TR11A
-quipinoni		

Equipment Class: (4) Transformers

Equipment Description: 600VAC BUS 11A SUPPLY TRANSFORMER

Project: DC Cook 1 SWEL

Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 204

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

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

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

Interaction Effects

Status: V N II

Seismic Walkdown Checklist	(SWC)	Status: 1	r [N] U
Equipment ID No.:	1-TR11A	8. 80. 80.	200 200
Equipment Class:	(4) Transformers		
Equipment Description:	600VAC BUS 11A SUPPLY TRANSFORMER		
	m impact by nearby equipment or structures?	Sec. 11	Yes
masonry block walls no	nt, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment? short hooks - AR 2012-11669 was issued. Block wall - Wall W-1		No
9. Do attached lines have	adequate flexibility to avoid damage?		Yes
	ismic interaction evaluations, is equipment free of smic interaction effects?		No
	nd found no adverse seismic conditions that could fety functions of the equipment? Increase was verified.		Yes
Comments			
Evaluated by:	George G Thomas Date:	10/18/12	
Oh	Neda Stoeva	10/18/12	

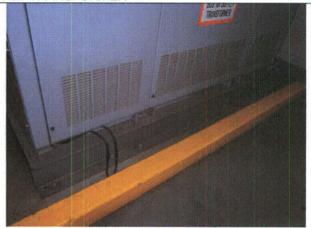
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TR11A

Equipment Class: _(4) Transformers

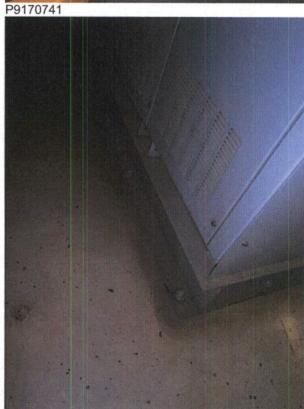






P9170740





P9170743

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TR11A

Equipment Class: (4) Transformers

Equipment Description: 600VAC BUS 11A SUPPLY TRANSFORMER



P9170744



P9170745



P9170746

Status:	Υ	N	U	

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TR-AFWX	
Equipment Class: (4) Transformers	
Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PA	NEL
Project: DC Cook 1 SWEL	2 m 2 m
Location (Bldg, Elev, Room/Area): AB1, 587.00 ft, 122	<u> </u>
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of example. 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 comments.	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
SQUG 1-TR-AFWX 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 oxidation?	Yes
5. Is the alichorage free of corrosion that is more than fillid surface oxidation:	163
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:	Yes
This question only applies if the item is one of the 50% for which an anchorage	103
configuration verification is required.)	
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

	Status: [Y N U
TRIBUTIO	ON PANEL	
		Yes
g, and		Yes
		\/

Seismic Walkdown Checklist (SWC) Equipment ID No.: 1-TR-AFWX Equipment Class: _(4) Transformers Equipment Description: 120/208VAC AUXILIARY FEEDWATER DIS 7. Are soft targets free from impact by nearby equipment or structures? 8. Are overhead equipment, distribution systems, ceiling tiles and lighting masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? **Other Adverse Conditions** 11. Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments Evaluated by: George G Thomas Date: 10/18/12 Neda Stoeva 10/18/12

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TR-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL













Seismic Walkdown Checklist (SWC)

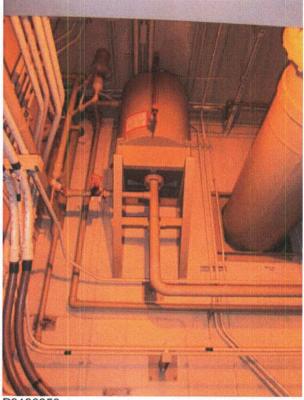
Equipment ID No.: 1-TR-AFWX

Equipment Class: _(4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL P9130347 P9130348



P9130349



P9130350

Seismic Walkdown Checklist (SWC)

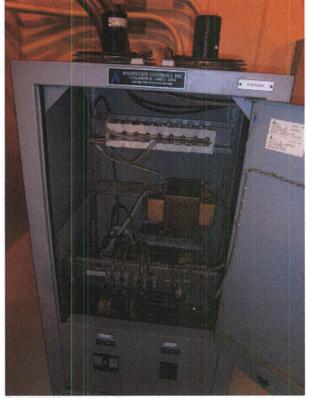
Equipment ID No.: 1-TR-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL



P9130351



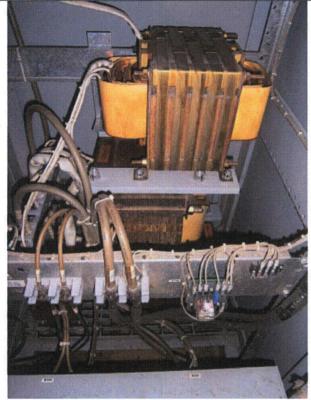
P9130378

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-TR-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL



P9130379

Status:	Υ	N	U

Seism	ic Walkdown Checklist (SWC)	
	Equipment ID No.: 1-WMO-702	
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
	Equipment Description: WEST ESSENTIAL SERVICE WTR PUMP PP-7W DISC	CH S/O VA
× .	Project: DC Cook 1 SWEL	
Locatio	on (Bldg, Elev, Room/Area): SH1, 591.00 ft, 136	
	Manufacturer/Model:	
Instruc	ctions for Completing Checklist	
SWEL.	necklist may be used to document the results of the Seismic Walkdown of an item of the space below each of the following questions may be used to record the results. Additional space is provided at the end of this checklist for documenting other of	ilts of judgments and
Ancho		
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?	Not Applicable
3.	Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
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 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

Interaction Effects

						Stat	us: Y N U
Seismi	c Walkdown	Checklist	(SWC)			Otat	us. [1] N U
	Equipme	nt ID No.:	1-WMO-702				
	- 15: 15:	,	(8) Motor-Operated	d and Solenoid-Op	perated Valves		
F	Fauinment De	scription.	WEST ESSENTIAL	SERVICE WTR	PLIMP PP-7W	DISCH S/O V	'Α
			m impact by nearby			<i>510011070</i> 1	Yes
8.			nt, distribution syster t likely to collapse or			38 88	Yes
9.	Do attached	lines have	adequate flexibility t	to avoid damage?			Yes
10.			ismic interaction eva		ment free of		Yes
Other A	Adverse Con						
11.			d found no adverse ety functions of the		s that could		Yes
Comm	ents					16 20	
Evaluat	ted by:	ypan y	Geo	rge G Thomas	D	ate: 10/18/1	2
		Oh	urf.	Stoeva		10/18/1	2
	r and the second		11000	0.0014		10/10/1	

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: __1-WMO-702

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: WEST ESSENTIAL SERVICE WTR PUMP PP-7W DISCH S/O VA





P9090013

01.1	V	N	11

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-WMO-715	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: WEST CONTAINMENT SPRAY HEAT EXCHANGER 1-HE	-18W
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 e SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other com	of judgments and
Anchorage	
 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?	Not Applicable
Support for pipe OK by engineering (thread engagement of bolts) Ref DOC# A158433 01	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
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.) 	Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

				Status: Y	ln u
Seism	ic Walkdown Ch	ecklist	(SWC)	Otatuo.] 0
	Equipment I	D No.:	1-WMO-715	HILLER HARRING IS NOT LOSSIFICATION	18
	Equipment	Class:	(8) Motor-Operated and Solenoid-Operated Valves		
	Equipment Descr	ription:	WEST CONTAINMENT SPRAY HEAT EXCHANGER 1	-HE-18W	
7.			n impact by nearby equipment or structures?	***	Yes
8.			t, distribution systems, ceiling tiles and lighting, and likely to collapse onto the equipment?		Yes
9.	Do attached line	es have	adequate flexibility to avoid damage?		Yes
40		S			
10.			smic interaction evaluations, is equipment free of mic interaction effects?		Yes
Other	Adverse Conditi	ons			
11.			d found no adverse seismic conditions that could ety functions of the equipment?		Yes
Comn	nents				
	· ·	14	7 0	voosiemingengen van Vivosije sii <u>ge</u> :	
Evalua	هدر ated by:	ر المرهم	George G Thomas Date:	10/18/12	
		Λ.	0		
		MI.	(4.1)		
		an	Neda Stoeva	10/18/12	
			.1000 010010	10/10/12	

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WMO-715

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: WEST CONTAINMENT SPRAY HEAT EXCHANGER 1-HE-18W



P9100095



P9100097



P9100096



P9100098

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WMO-717

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL

Project: DC Cook 1 SWEL

Location (Bldg, Elev, Room/Area): AB1, 609.00 ft, 609

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?

Not Applicable

3. Is the anchorage free of corrosion that is more than mild surface oxidation?

Not Applicable

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: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

Interaction Effects

								Status:	Y IN U
	Seismi	ic Walkdown Checklist	(SWC)						
		Equipment ID No.:	1-WMO-717				20 3 0 20 21		i i
		Equipment Class:	(8) Motor-Operate	d and Sole	noid-Opera	ated Valves			
	** **	Equipment Description:	MEST CONTAINI	MENIT ODD	AV UEAT	EVCHANC	ED EGG	ENITIAL	
VE. 74	7	Are soft targets free fro	m impact by nearby	/ equipmen	t or structu	ros?	EK ESSE	INTIAL	Yes
		7 the soft targets free fre	in impact by nearby	cquipinon	t or structu	100.			103
	8.	Are overhead equipme masonry block walls no Fire extinguishers by	ot likely to collapse of	onto the eq	uipment?				No
		issued.							
	18 68		: ::::::::::::::::::::::::::::::::::::		## ##				
	9.	Do attached lines have	adequate flexibility	to avoid da	image?				Yes
	10.	Based on the above se potentially adverse seis			s equipme	nt free of			No
	Other	Adverse Conditions	the state of the s						
	11.	Have you looked for an adversely affect the safe				at could			Yes
-									

Date: 10/18/12

Neda Stoeva

Photos

Evaluated by:

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WMO-717

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL



P9100087



P9100088



P9100089

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-WMO-744	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	1 9
Equipment Description: ESSENTIAL SERVICE WATER TO WEST MOTOR DRIVEN	١
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): TB1, 591.00 ft, 51	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of ex 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	of judgments and
Anchorage	
 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?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
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.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Status:	ΙY	N	U

	Equipment ID No.:	1-WMO-744
	Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
	Equipment Description:	ESSENTIAL SERVICE WATER TO WEST MOTOR DRIVEN
7.	Are soft targets free fro	m impact by nearby equipment or structures?

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?

Yes

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

Seismic Walkdown Checklist (SWC)

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Bottom unistrut left bolt missing, unistrut holds up electrical panel for 1-WMO-744 - Acceptable As Is per CR 99-9360-02

Yes

Comments

Evaluated by:

George G Thomas Date: 10/18/12

Neda Stoeva

10/18/12

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WMO-744

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: ESSENTIAL SERVICE WATER TO WEST MOTOR DRIVEN



P9170013



P9170015



P9170014



P9170016

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.:1-WMO-753	igi Anna an angan maa angan an an angan an angan na
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: ESSENTIAL SERVICE WATER TO TURBINE DRIVEN	
Project: DC Cook 1 SWEL	
Location (Bldg, Elev, Room/Area): _TB1, 591.00 ft, 50	24
Manufacturer/Model:	-81
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the result findings. Additional space is provided at the end of this checklist for documenting other contents.	lts of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
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 oxidation?	Not Applicable
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.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

						#3 ##	Status:	YN U
Seism	ic Walkdov	vn Checklist (S	SWC)				Status.	Y N U
	Faules	mont ID No	L WMO 752					
	1.0	ment ID No.:						
	Equip	ment Class: _(8) Motor-Opera	ated and Soler	old-Operated	d Valves		-1
	Equipment	Description: E	SSENTIAL SE	RVICE WATE	R TO TURBI	INE DRIVEN		
7.	Are son ta	argets free from	impact by near	rby equipment	or structures	17		Yes
8.		ead equipment block walls not l				ting, and		Yes
9.	Do attache	ed lines have a	dequate flexibil	ity to avoid da	mage?			Yes
10.		the above seism			equipment fr	ree of		Yes
	Adverse Co							
11.		looked for and affect the safet				could		Yes
Comm	<u>ents</u>	1		ili iliyaa ka ilika ilika ka ilika ili Ilika ilika ili		in and the second se		
Evalua	ted by:	Though II.	ans o	George G Thor	nas	Date:	10/18/12	
		Mu	wD.					
		Or.	l Ne	da Stoeva			10/18/12	

Neda Stoeva

Photos

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WMO-753

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

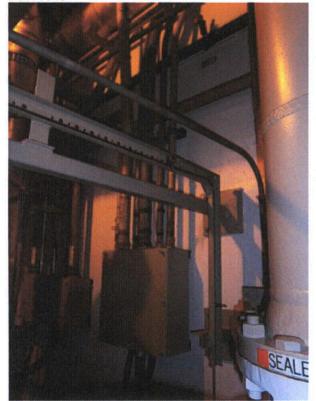
Equipment Description: ESSENTIAL SERVICE WATER TO TURBINE DRIVEN







P9170019



P9170020

Salamia Walkdown Charklist (SWC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1-WPA-702	
Equipment Class: _(18) Instruments on Racks	
Equipment Description: WEST ESW PUMP PP-7W DISCH LOW PRES ALARM X	MTR
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 SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other cor	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2 U-bolts 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Vertical bolts at top of rack do not have full thread engagement, but are OK, because they are only loaded in shear	
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
Mounted on instrument rack	
 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
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Status:	Y	N	П

	Status: Y] N U
Seism	ic Walkdown Checklist (SWC)	
	Equipment ID No.: 1-WPA-702	
	Equipment Class: (18) Instruments on Racks	
	Equipment Description: WEST ESW PUMP PP-7W DISCH LOW PRES ALARM XMTR	
	Are soft targets free from impact by nearby equipment or structures?	Yes
	7 a o con language a con minipact 2) manay equipment of caracteristic	
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and	Yes
	masonry block walls not likely to collapse onto the equipment?	
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	ted by: Date: 10/18/12	
	Mund. Noda Stoeva 10/18/12	

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WPA-702

Equipment Class: (18) Instruments on Racks

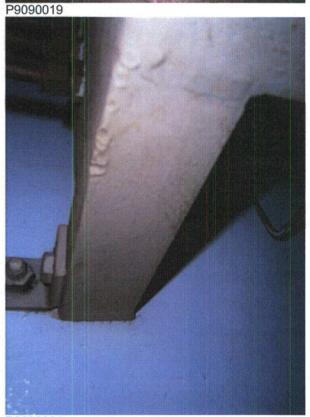
Equipment Description: WEST ESW PUMP PP-7W DISCH LOW PRES ALARM XMTR





P9090018





P9090021

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-WPA-702

Equipment Class: _(18) Instruments on Racks

Equipment Description: WEST ESW PUMP PP-7W DISCH LOW PRES ALARM XMTR





P9090022

	Status: Y N U
Seismic Walkdown Checklist (SWC)	Oldido. [1] IV O
Equipment ID No.: 1-XPC-211	
Equipment Class: (18) Instruments on Racks	
AB EMER DIESEL STARTING AIR RECEIVER Q	T-141-AB1 PRESSURE
Equipment Description: XMTR	
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 ar SWEL. The space below each of the following questions may be used to record the findings. Additional space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of this checklist for documenting of the space is provided at the end of the	ne results of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the of SWEL items requiring such verification)? 	50% 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. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
STEEL 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 ancho configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Inside 1-DGAB panel	Yes

			Status: Y N U
Seismic	Walkdown Checklist	(SWC)	
	Equipment ID No.:	1-XPC-211	
	Equipment Class:	(18) Instruments on Racks	PDESSUDE
Ed	quipment Description:	AB EMER DIESEL STARTING AIR RECEIVER QT-141-AB1 XMTR	PRESSURE
7. /	Are soft targets free fro	om impact by nearby equipment or structures?	Yes
0 /			
		ent, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment?	Yes
9. [Do attached lines have	adequate flexibility to avoid damage?	Yes
		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other Ad	dverse Conditions		
		nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comme	<u>nts</u>		10 10 10 10 10 10 10 10 10 10 10 10 10 1
Evaluate	d by.	George G Thomas Date: 10/	18/12
Lvaluate	u by.	- George G Montas Date. 10/	10/12

Neda Stoeva

Photos

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1-XPC-211

Equipment Class: (18) Instruments on Racks
AB EMER DIESEL STARTING AIR RECEIVER QT-141-AB1 PRESSURE

Equipment Description: XMTR





COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE
12-HE-16S	Spent Fuel Pit Heat Exchanger	Υ	C-395
12-HV-ESW-4	UNIT 2 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN	Y	C-399
12-PASS	POST-ACCIDENT SAMPLING LIQUID AND GAS SAMPLING	Υ	C-404
12-WMO-30-PB-STA	CIRCULATING WATER INTAKE TUNNEL SHUTOFF VALVE	N	C-409
2-ABD-A	600VAC MOTOR CONTROL CENTER ABD-A	N	C-412
2-ABD-B	600VAC MOTOR CONTROL CENTER ABD-B	Y	C-418
2-ACRA-2	CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING	N	C-424
2-AFWX	120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL	N	C-427
2-AM-A	600VAC MOTOR CONTROL CENTER AM-A	N	C-432
2-BATT-AB	PLANT BATTERY AB	Υ	C-437
2-BC-AB	PLANT BATTERY BATT-AB CONTROL	N	C-441
2-BC-AB1	PLANT BATTERY BATT-AB BATTERY CHARGER #1	N	C-445
2-BC-AB2	PLANT BATTERY BATT-AB CHARGER #2	Υ	C-451
2-BCTC-AB	PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER	N	C-455
2-BLI-130	STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR	N	C-458
2-BLP-132	STEAM GENERATOR OME-3-1 CHANNEL III REACTOR	Υ	C-462
2-CCV-AB	250VDC TRAIN 'B' CRITICAL SOLENOID VALVES	Υ	C-468
2-CCW	COMPONENT COOLING WATER CONTROL PANEL	Y	C-476
2-CFI-420	COMPONENT COOLING WATER TO WEST COMPONENT COOLING	N	C-480
2-CFI-429	WEST RHR HEAT EXCHANGER HE- 17W COMPONENT COOLING	Υ	C-484
2-CLI-114			C-487
2-CRID-3	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION	Υ	C-490
2-CRID-4-INV	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM	N	C-494
2-DGAB	AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL	N	C-498

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE
2-DGAB-INV	AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	Y	C-506
2-ECR-23	CONTAINMENT LOWER VOLUME EAST AIR SAMPLE ESR-3	N	C-511
2-ESW	ESSENTIAL SERVICE WATER CONTROL PANEL	Υ	C-514
2-EZC-A	600VAC MOTOR CONTROL CENTER EZC-A	N	C-519
2-EZC-A1	600VAC MOTOR CONTROL CENTER EZC-A1	Υ	C-524
2-EZC-B	600VAC MOTOR CONTROL CENTER EZC-B	N	C-528
2-EZC-B1	600VAC MOTOR CONTROL CENTER EZC-B1	Y	C-533
2-FFI-240	AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4	Y	C-536
2-HE-15W	WEST COMPONENT COOLING WATER HEAT EXCHANGER	Y	C-541
2-HE-17W	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	N	C-545
2-HE-18W	WEST CONTAINMENT SPRAY HEAT EXCHANGER	N	C-549
2-HV-ACRA-2	CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING	Y	C-557
2-HV-AES-2	AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY	N	C-561
2-HV-CEQ-1	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	Y	C-567
2-HV-CEQ-2	CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2	N	C-575
2-HV-DGX-2	AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION	N	C-579
2-HV-SGRS-8	4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21A	Y	C-583
2-IFI-53	BORON INJECTION TO REACTOR COOLANT LOOP #3 FLOW	Y	C-586
2-IMO-222	WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO	N	C-591
2-IMO-225	REFUELING WATER STORAGE TANK TO WEST CONTAINMENT	N	C-594
2-IMO-320	WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUCTION	N	C-597
2-IMO-331	WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	N	C-601
2-IMO-350	WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION	N	C-604
2-IMO-52	BORON INJECTION TO REACTOR COOLANT LOOP #2 SHUTOFF	N	C-608

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE
2-IMO-911	REFUELING WATER STORAGE TANK TO CVCS CHARGING	N	C-613
2-MCAB	250VDC DISTRIBUTION PANEL MCAB	N	C-617
2-MCM-221	MAIN STEAM LEAD #2 TO AUXILIARY FEED PUMP TURBINE	N	C-621
2-MRV-243	STEAM GENERATOR OME-3-4 POWER OPERATED RELIEF	N	C-625
2-NLP-153	PRESSURIZER OME-4 PROTECTION CHANNEL 3 LEVEL	N	C-629
2-NPS-111	REACTOR VESSEL TRAIN 'B' WIDE RANGE PRESSURE	N	C-634
2-OME-150-AB-EN	AB EMERGENCY DIESEL GENERATOR ENGINE	Υ	C-638
2-OME-34W	WEST ESSENTIAL SERVICE WATER STRAINER OME-34W	Y	C-644
2-PP-10W	WEST COMPONENT COOLING WATER PUMP	Y	C-648
2-PP-26S	SOUTH SAFETY INJECTION PUMP	Υ	C-652
2-PP-35W	WEST RESIDUAL HEAT REMOVAL	Y	C-656
2-PP-3W	WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	N	C-660
2-PP-4	TURBINE DRIVEN AUXILIARY FEED PUMP	Υ	C-664
2-PP-50W	WEST CENTRIFUGAL CHARGING PUMP	N	C-669
2-PP-7W	WEST ESSENTIAL SERVICE WATER PUMP	Y	C-673
2-PP-9W	WEST CONTAINMENT SPRAY PUMP	N	C-678
2-PS-A	600VAC MOTOR CONTROL CENTER PS-A	Y	C-683
2-QT-106-AB1	AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	N	C-687
2-QT-107-AB	AB EMERGENCY DIESEL FUEL OIL DAY TANK	N	C-691
2-QT-130-AB2	AB EMERGENCY DIESEL JACKET WATER PUMP #2	N	C-695
2-QT-141-AB1	AB EMERGENCY DIESEL STARTING AIR RECEIVER #1	Y	C-699
2-QT-142-AB2	AB EMERGENCY DIESEL STARTING AIR COMPRESSOR #2	Y	C-704
2-QT-506	TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 TRIP AND	N	C-708
2-RC	REACTOR CONTROL RODS CONTROL PANEL	Y	C-712
2-RPS-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'B' CABINET	N	C-716

COMPONENT ID	DESCRIPTION	Anchorage Verification Confirmed	PAGE	
2-RPST-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION	Υ	C-721	
2-RPSX-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION	Υ	C-725	
2-SG	REACTOR PROTECTION AND SAFEGUARD ACTUATION	N	C-729	
2-SIS	STEAM GENERATOR AND AUXILIARY FEED PUMP CONTROL	N	C-734	
2-SPY	SAFETY INJECTION CONTROL PANEL	Υ	C-740	
2-T21A2	WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3W	Υ	C-745	
2-TDAB	250VDC TRAIN 'B' TRANSFER CABINET	Υ	C-751	
2-WMO-704	WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCH S/O	N	C-754	
2-WMO-716	WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL	N	C-757	
2-WMO-718	WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL	N	C-760	
2-WMO-744	ESSENTIAL SERVICE WATER TO WEST MOTOR DRIVEN	N	C-763	
2-WMO-753	EMERGENCY ESSENTIAL SERVICE WATER SUPPLY TO TDAFP	N	C-766	
2-WPA-703	E ESSENTIAL SERVICE WTR PP PP- 7E DISCH LOW PRES	Υ	C-769	
2-WRV-768	E ESW PP PP-7W DISCH STN WEST BASKET B/W INLET S/O	N	C-774	
2-XPC-211	AB EMER DIESEL STARTING AIR RECEIVER QT-141-AB1 PRESSURE XMTR	Υ	C-777	
2-XRV-222	AB EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF	N	C-781	

	Seismic Walkdown Checklist (SWC)	:: YN U
	Equipment ID No.: 12-HE-16S	
	Equipment Class: (21) Tanks and Heat Exchangers	
-	Equipment Description: SPENT FUEL PIT HEAT EXCHANGER	
	Project: DC Cook 2 SWEL	
	Location (Bldg, Elev, Room/Area): AB2, 609.00 ft, 96	
_	Manufacturer/Model:	
	Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipme SWEL. The space below each of the following questions may be used to record the results of judgr findings. Additional space is provided at the end of this checklist for documenting other comments.	
	<u>Anchorage</u>	
	 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Yes
	SQUG 12-HE-16S REV0	
	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
	PAINTED	
	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

Status:	Υ	Ν	U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	12-HE-16S	
	7.0	(21) Tanks and Heat Exchangers	
		SPENT FUEL PIT HEAT EXCHANGER	
7.		om impact by nearby equipment or structures?	Yes
	12-SF-119S chain ca	an swing into 12-HE-16S but is not damaging	
8.		ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9.	Do attached lines hav	e adequate flexibility to avoid damage?	Yes
10.		eismic interaction evaluations, is equipment free of ismic interaction effects?	Yes
Other	Adverse Conditions		
11.	Have you looked for a	nd found no adverse seismic conditions that could afety functions of the equipment?	Yes
Comm	nents		150 25
Evalua	ited by:	The George G Thomas Date: 10/18/12	97400 9.1
	Ole	Neda Stoeva 10/18/12	
	10 10 August 10		

Photos

Seismic Walkdown Checklist (SWC)

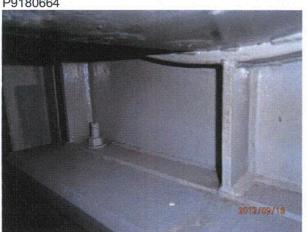
Equipment ID No.: 12-HE-16S

Equipment Class: _(21) Tanks and Heat Exchangers

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER



P9180664



P9180666



P9180665



P9180667

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HE-16S

Equipment Class: _(21) Tanks and Heat Exchangers

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER



P9180676

	35		
Status:	Y	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-4
Equipment Class: _(9) Fans
Equipment Description: UNIT 2 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN
Project: DC Cook 2 SWEL
Location (Bldg, Elev, Room/Area): SH2, 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
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 12-5682-10
2. Is the anchorage free of bent, broken, missing or loose hardware?
3. Is the anchorage free of corrosion that is more than mild surface oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
 Is the anchorage configuration consistent with plant documentation? (Note: Yes 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?

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 12-HV-ESW-4 Equipment Class: (9) Fans Equipment Description: UNIT 2 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN 7. Are soft targets free from impact by nearby equipment or structures? Yes 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and Yes masonry block walls not likely to collapse onto the equipment? Ceiling mounted fan 9. Do attached lines have adequate flexibility to avoid damage? Yes 10. Based on the above seismic interaction evaluations, is equipment free of Yes potentially adverse seismic interaction effects? **Other Adverse Conditions** 11. Have you looked for and found no adverse seismic conditions that could Yes adversely affect the safety functions of the equipment? Comments George G Thomas Evaluated by: Date: 10/18/12 Neda Stoeva 10/18/12

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-4

Equipment Class: (9) Fans

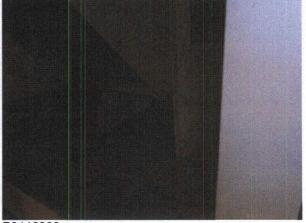
Equipment Description: UNIT 2 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN



P9110302



P9110304



P9110303



P9110305

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-4



Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-HV-ESW-4

Equipment Class: _(9) Fans

Equipment Description: UNIT 2 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN

P9110310 P9110311



P9110312

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-PASS	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: POST-ACCIDENT SAMPLING LIQUID AND GAS SAMPL	ING
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): AB1, 587.00 ft, 35	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other contents.	s of judgments and
Anchorage	40 A A A A A A A A A A A A A A A A A A A
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 12-3472-20 & 12-5638-5 	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

 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

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	12-PASS		*	
	Equipment Class:	(20) Instrumentation and Contro	ol Panels and Cabinets		
	Equipment Description:	POST-ACCIDENT SAMPLING I	LIQUID AND GAS SAN	IPLING	
7.		m impact by nearby equipment or			Yes
8.	masonry block walls no Fire extinguishers on	nt, distribution systems, ceiling tile of likely to collapse onto the equip short hooks - AR 2012-11669 was and 12-3254 Section D-4	ment?		No
9.	Do attached lines have	adequate flexibility to avoid dama	age?		Yes
10.		ismic interaction evaluations, is e smic interaction effects?	quipment free of		No
ther	Adverse Conditions				
11.		d found no adverse seismic cond fety functions of the equipment?	itions that could		Yes
omn	nents				
valua	ated by:	George G Thoma	as Date:	10/18/12	
	A.	1400.			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-PASS

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

Equipment Description: POST-ACCIDENT SAMPLING LIQUID AND GAS SAMPLING



P9181018







P9181020



P9181021

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-PASS

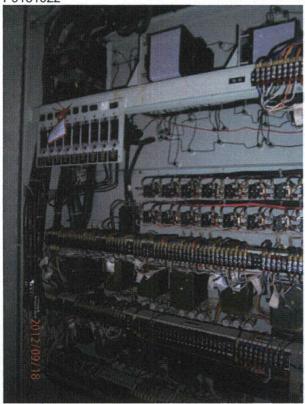
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: POST-ACCIDENT SAMPLING LIQUID AND GAS SAMPLING

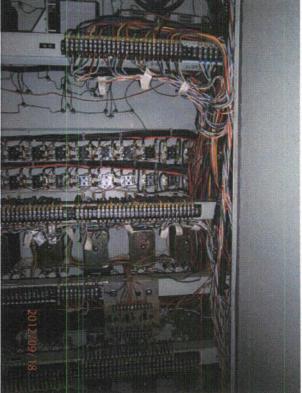




P9181022



P9181023



P9181024

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-PASS

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

Equipment Description: POST-ACCIDENT SAMPLING LIQUID AND GAS SAMPLING









P9181029

Status	Y	N	1.1

Seismic Walkdown Checklist (SWC)

Seisific Walkdowif Checklist (SWC)	
Equipment ID No.: 12-WMO-30-PB-STA	
Equipment Class: _(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: CIRCULATING WATER INTAKE TUNNEL SHUTOFF	VALVE
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): _SH1, 591.00 ft, 670	
Manufacturer/Model:	
Instructions for Completing Checklist	-91
This checklist may be used to document the results of the Seismic Walkdown of an iten SWEL. The space below each of the following questions may be used to record the refindings. Additional space is provided at the end of this checklist for documenting other	sults of judgments and
Anchorage	
 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
Mounted to unistrut - tube steel supported	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
Some corrosion on the panel itself, and 1 top right corner screw (inside panel)	
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.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic V	Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 12-WMO-30-PB-STA	
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Ear	uipment Description: CIRCULATING WATER INTAKE TUNNEL SHUTOFF VA	IVE
	re soft targets free from impact by nearby equipment or structures?	Yes
	re overhead equipment, distribution systems, ceiling tiles and lighting, and asonry block walls not likely to collapse onto the equipment?	Yes
9. D	o attached lines have adequate flexibility to avoid damage?	Yes
	ased on the above seismic interaction evaluations, is equipment free of otentially adverse seismic interaction effects?	Yes
Other Ad	verse Conditions	
11. H	ave you looked for and found no adverse seismic conditions that could dversely affect the safety functions of the equipment?	Yes
	ts FICIENCY TAG ON PUSH BUTTON. COMPONENT IS IN A NON-SAFETY AR 012-11767 were issued.	EA - AR 2012-11762
Evaluated	by: George G Thomas Date: 1	10/18/12

Neda Stoeva

Photos

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 12-WMO-30-PB-STA

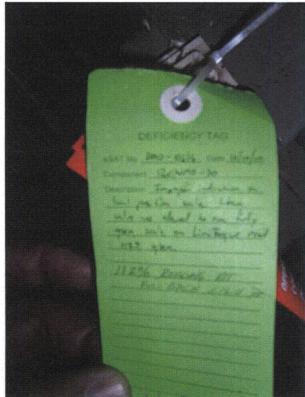
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

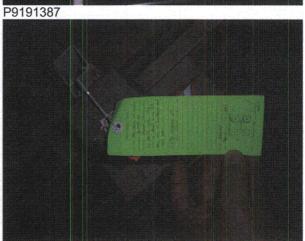
Equipment Description: CIRCULATING WATER INTAKE TUNNEL SHUTOFF VALVE





P9191386





P9191389

Status:	Υ	Ν	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A

Project: DC Cook 2 SWEL

Location (Bldg, Elev, Room/Area): AB2, 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% 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. 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

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

Interaction Effects

Seism	nic Walkdown Checklist (SWC)	I [N] O
	Equipment ID No.: 2-ABD-A	***
	Equipment Class: _(1) Motor Control Centers	
	Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A	
7.	Are soft targets free from impact by nearby equipment or structures?	No
	Fire extinguishers on short hooks nearby - 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
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:	Mary M. De George G Thomas	Date:	10/18/12
	Muurf. Neda Stoeva		10/18/12

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A







P9130403



P9130402



Seismic Walkdown Checklist (SWC)

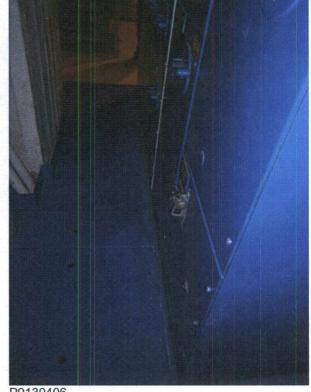
Equipment ID No.: 2-ABD-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A



P9130405



Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-A

Equipment Class: (1) Motor Control Centers

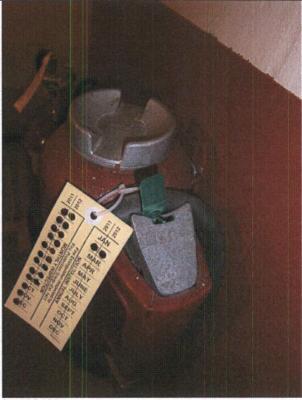
Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A



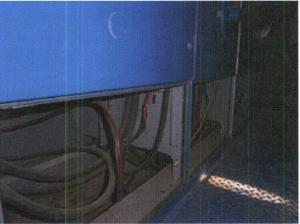




P9130409



P9130408



P9130410

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-A



Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-B

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B

Project: DC Cook 2 SWEL

Location (Bldg, Elev, Room/Area): AB2, 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

 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SQUG 2-ABD-B 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

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.)

Yes

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

Interaction Effects

Seisn	nic Walkdown Checklist	(SWC) Status: Y	N U
	Equipment ID No.:	2-ABD-B	
	Equipment Class:	(1) Motor Control Centers	
		600VAC MOTOR CONTROL CENTER ABD-B	
7.	Are soft targets free fro	m impact by nearby equipment or structures?	No
	Fire extinguishers on	short hooks nearby - AR 2012-11669 was issued.	
8.		nt, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	No
Other	Adverse Conditions		5.0
11.		nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comr	<u>nents</u>		
Evalu	ated by:	George G Thomas Date: 10/18/12	
	Olu	Neda Stoeva 10/18/12	

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-B

Equipment Class: _(1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B







P9130403



P9130402



P9130404

Seismic Walkdown Checklist (SWC)

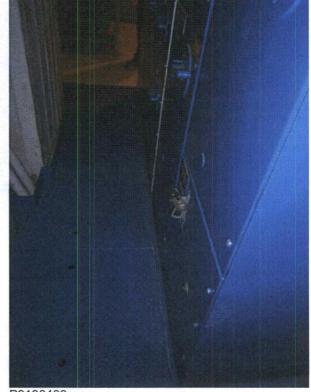
Equipment ID No.: 2-ABD-B

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B



P9130405



P9130406

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-B

Equipment Class: (1) Motor Control Centers

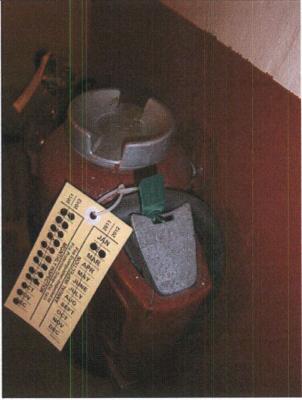
Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B







P9130409



P9130408



P9130410

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ABD-B

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER ABD-B



			Status: Y N U
Seism	ic Walkdown Checklist (SV	VC)	
	Equipment ID No.: 2-/	ACRA-2	
	Equipment Class: (20	0) Instrumentation and Control Panels and Cabinets	
	Equipment Description: CO	ONTROL ROOM VENTILATION SOUTH AIR CONDITION	IING
	Project:	DC Cook 2 SWEL	
Locatio	on (Bldg, Elev, Room/Area):	AB2, 650.00 ft, 129	
	Manufacturer/Model:		
Instru	ctions for Completing Che	cklist	
SWEL.	. The space below each of t	ment the results of the Seismic Walkdown of an item of e he following questions may be used to record the results of led at the end of this checklist for documenting other com-	of judgments and
Ancho	rage		
1.	Is anchorage configuration of SWEL items requiring su	verification required (i.e., is the item one of the 50% uch verification)?	No
2.	Is the anchorage free of be	nt, broken, missing or loose hardware?	Yes
0	la tha analassa a fisa a fisa	was also at the strip was as the provided our first and strip of	
3.	is the anchorage free of co	rrosion that is more than mild surface oxidation?	Yes
4.	Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Yes
5.		tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
6.	Based on the above ancho potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Yes

Status:	1	Ν	U

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	2-ACRA-2	
		(20) Instrumentation and Control Panels and Cabinets	
		CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING	
		m impact by nearby equipment or structures?	Yes
8.		nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
9.	Do attached lines have	adequate liexibility to avoid damage:	165
10.	Based on the above se potentially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions		2.0
11.		d found no adverse seismic conditions that could tety functions of the equipment?	Yes
Comm	<u>ents</u>		
Evalua	ited by:	George G Thomas Date: 10/18/12	
	Oh	Neda Stoeva 10/18/12	
		10/10/12	

Seismic Walkdown Checklist (SWC)

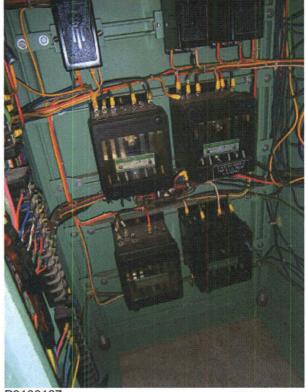
Equipment ID No.: 2-ACRA-2

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

Equipment Description: CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING



P9100136



P9100137



P9100138

Status:	Υ	N	Ш

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL

Project: DC Cook 2 SWEL

Location (Bldg, Elev, Room/Area): AB2, 587.00 ft, 122

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

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

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

Yes

Interaction Effects

Seism	nic Walkdown Checklis		YNU
	Equipment ID No.:	2-AFWX	
	Equipment Class:	(4) Transformers	
		120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL	
7.	Are soft targets free fr	om impact by nearby equipment or structures?	No
	Fire extinguishers or	short hooks - AR 2012-11669 was issued.	
8.		ent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment?	Yes
9.	Do attached lines hav	e adequate flexibility to avoid damage?	Yes
10.		eismic interaction evaluations, is equipment free of ismic interaction effects?	No
Other	Adverse Conditions		-
11.		and found no adverse seismic conditions that could afety functions of the equipment?	Yes
Comn	nents		
Evalua	ated by:	O George G Thomas Date: 10/18/12	
	(AV.	0	

Neda Stoeva

Photos

10/18/12

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL



P9140533



P9140534

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AFWX

Equipment Class: (4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL



P9140535



P9140536

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AFWX

Equipment Class: _(4) Transformers

Equipment Description: 120/208VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL





	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-AM-A	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A	
Project: DC Cook 2 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 a SWEL. The space below each of the following questions may be used to record the results findings. Additional space is provided at the end of this checklist for documenting other compared to the space of the space is provided at the end of this checklist for documenting other compared to the space of the	of judgments and
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
Is the anchorage free of bent, broken, missing or loose hardware?	Yes
External 4 bolts on each side (front and back). Internal 4 bolts (1 in each corner)	
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.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

		Status	: YN U
Seismic	Walkdown Checklist		
	Equipment ID No.:	2-AM-A	
		(1) Motor Control Centers	
F		600VAC MOTOR CONTROL CENTER AM-A	u iin
		m impact by nearby equipment or structures?	Yes
		nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
		ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other A	dverse Conditions		
11.	Have you looked for an	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comme	ents .		
Evaluate	ed by:	George G Thomas Date: 10/18/12	
	$\bigcirc i$	0	
	Oll	Neda Stoeva 10/18/12	
		10/10/12	71 100.07
Photos			

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A



P9181053



P9181055





P9181054



P9181056



Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A P9181057 P9181058











P9181060



P9181062

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-AM-A

Equipment Class: (1) Motor Control Centers

Equipment Description: 600VAC MOTOR CONTROL CENTER AM-A





P9181063 P9181064