Status: Y N U

Seismic	Walkdown	Checklist	(SWC)

	Equipment ID No.: 2-CLI-114	
	Equipment Class: (18) Instruments on Racks	
E	Equipment Description: CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR	٩
	Project: DC Cook 2 SWEL	
Locatio	n (Bldg, Elev, Room/Area):AB2, 586.00 ft, 24	
	Manufacturer/Model:	
Instruc	ctions for Completing Checklist	
This ch SWEL. findings	ecklist may be used to document the results of the Seismic Walkdown of an item of eq The space below each of the following questions may be used to record the results o s. Additional space is provided at the end of this checklist for documenting other comm	uipment on the f judgments and nents.
Ancho	rage	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	No
2.	Is the anchorage free of bent, broken, missing or loose hardware?	Yes
	Supported off thewall	
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 hear the anchors?	Yes
5.	Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage	Not Applicable
	configuration verification is required.)	
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interac	ction Effects	

	Equipm	ent ID No.:	2-CLI-114					ni Maran
	Equipm	nent Class:	(18) Instrume	ents on Racks				
	Equipment D	escription:	CONDENSA	TE STORAGE	E TANK TK	-32 LEVEL INI	DICATOR	
7.	Are soft tar	gets free fron	n impact by n	earby equipm	ent or struc	tures?		Yes
	na in in Ma Ma Ma Maria Maria Mangara							
8.	Are overheat masonry blo	ad equipmen ock walls not	t, distribution likely to colla	systems, ceili pse onto the e	ng tiles and equipment?	l lighting, and		Yes
9.	Do attached	d lines have a	adequate flex	ibility to avoid	damage?			Yes
10.	Based on the potentially a	ne above seis adverse seisr	smic interaction	on evaluations n effects?	s, is equipm	ent free of		Yes
Other	Adverse Co	nditions			900 900 900 900 900 900 900 900 900 900		al 27 1981 19 19 19 19 19 19 19 19 19 19 19 19 19 1	
<u>)ther</u> 11.	Adverse Co Have you lo adversely a	nditions boked for and	l found no ad	verse seismic of the equipme	conditions ent?	that could		Yes
<u>Dther</u> 11.	Adverse Co Have you lo adversely a	nditions boked for and affect the safe	l found no ad ty functions o	verse seismic of the equipme	conditions ent?	that could		Yes
Dther 11.	Adverse Co Have you lo adversely a	nditions poked for and offect the safe	l found no ad ty functions o	verse seismic of the equipme	conditions ent?	that could		Yes
<u>Dther</u> 11.	Adverse Co Have you lo adversely a	nditions poked for and iffect the safe	l found no ad ty functions o	verse seismic of the equipme	conditions ent?	that could		Yes
Other 11. Comm	Adverse Co Have you lo adversely a	nditions poked for and offect the safe	l found no ad ty functions o	verse seismic f the equipme	conditions ent?	that could		Yes
Other 11. Comm Tape -	Adverse Co Have you lo adversely a	nditions poked for and iffect the safe	l found no ad ty functions c	verse seismic of the equipme	conditions ent?	that could		Yes
Other 11. Comm Tape - Evalua	Adverse Co Have you lo adversely a <u>nents</u> ribbon wrapp ated by:	nditions poked for and iffect the safe ped around it	found no add ty functions o	verse seismic of the equipme	conditions ent? homas	that could	te: 10/18/12	Yes
<u>Other</u> 11. Comn Tape - Evalua	Adverse Co Have you lo adversely a	nditions poked for and affect the safe ped around it	found no added	verse seismic of the equipme	conditions ent? homas	that could	te: <u>10/18/12</u>	Yes
Other 11. Comm Tape - Evalua	Adverse Co Have you lo adversely a	nditions poked for and iffect the safe	found no add ty functions of	verse seismic of the equipme	conditions ent? homas	that could	te: <u>10/18/12</u>	Yes
<u>Other</u> 11. <u>Comn</u> Tape - Evalua	Adverse Co Have you lo adversely a	nditions poked for and affect the safe ped around it	found no ad ty functions of	verse seismic of the equipme - George G T Neda Stoeva	conditions ent? homas	that could	te: <u>10/18/12</u> <u>10/18/12</u>	Yes

C-488

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-CLI-114
Equipment Class:	(18) Instruments on Racks
Equipment Description:	CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR



P9180889





P9180891

Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-CRID-3	
Equipment Class: (14) Distribution Panels	ч 14 - 12
Equipment Description: 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION	
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): _AB2, 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 equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comme	lipment on the judgments and ents.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 2-5540 REV5</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
Could only see anchorage of angle to unistrut - Cannot open panel to see how it is attached to angle (whole face plate needs to be unscrewed to get in)	
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
Angle bolted to unistrut, part of panel welded to embedded plate	
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

Seismic W	alkdown Checklist	(SWC)	us: YNU
	Equipment ID No.:	2-CRID-3	
	Equipment Class:	(14) Distribution Panels	
Equi	pment Description:	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION	*** <u>***</u> **
7. Are	e soft targets free fro	m impact by nearby equipment or structures?	Yes
8. Are ma C	e overhead equipme sonry block walls no heck ceiling tiles - C	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? eiling tiles OK per DWG 12-4070	Yes
9. Do	attached lines have	adequate flexibility to avoid damage?	Yes
10. Ba pot	sed on the above se entially adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other Adv	erse Conditions		ang
11. Ha adv	ve you looked for an versely affect the sat	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
<u>Comments</u>			
Evaluated I	by: Joney J	George G Thomas Date: 10/18/12	2
	Alu	mp.	
		i ineda Stoeva 10/18/12	

**Photos** 

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID	No.:	2-CRID-3

Equipment Class: (14) Distribution Panels

Equipment Description: 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION





Status: Y N U

# Seismic Walkdown Checklist (SWC)

E	quipment ID No.:	2-CRID-3	
E	Equipment Class:	(14) Distribution Panels	
Equipr	nent Description:	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION	



Status: Y N U

Seismic	Walkdown	Checklist	(SWC)

Equipment ID No.: 2-CRID-4-INV
Equipment Class: (16) Inverters
Equipment Description: 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM
Project: DC Cook 2 SWEL
Location (Bldg, Elev, Room/Area): _AB2, 609.00 ft, 202
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
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% N of SWEL items requiring such verification)?</li> </ol>
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Ye
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: Not Applicabl This question only applies if the item is one of the 50% for which an anchorage</li> </ol>
configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of Ye potentially adverse seismic conditions?

Interaction Effects

Seismic Walkdown (	Checklist (SWC)			Status: Y N	U
Equipmen	nt ID No.: 2-CRID-4-IN	V			
Equipmer	nt Class: (16) Inverters	5			
Equipment Des	scription: 120VAC CO	NTROL ROOM INS	TRUMENT DISTRIBUT	ION SYSTEM	
7. Are soft targe	ts free from impact by n	earby equipment or	structures?	Y	'es
8. Are overhead masonry bloc	l equipment, distribution k walls not likely to colla	systems, ceiling tile apse onto the equipr	es and lighting, and nent?	Y	'es
9. Do attached l	ines have adequate flex	ibility to avoid dama	ge?	Y	'es
10. Based on the potentially ad	above seismic interaction	on evaluations, is eo n effects?	quipment free of	Y	'es
Other Adverse Cond	litions				
11. Have you lool adversely affe	ked for and found no ad ect the safety functions o	verse seismic condi of the equipment?	tions that could	Y	'es
<u>Comments</u>					
Evaluated by:	South M. J. June	- George G Thoma	s Date:	10/18/12	
	Alung.	Neda Stoeva		10/18/12	4 20 <sup>10</sup> 0

**Photos** 

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2-CRID-4-INV
Equipment Class:	(16) Inverters



P9170864





P9170866



Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2-CRID-4-INV
Equipment Class:	(16) Inverters
Equipment Description:	120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM



Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-DGAB	
Equipment Class: _(20) Instrumentation and Control Panels and Cabinets	
Equipment Description: AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL	
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	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% N of SWEL items requiring such verification)?</li> </ol>	0
2. Is the anchorage free of bent, broken, missing or loose hardware? Ye	s
2. In the anchorers free of correction that is more than mild surface evidation?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	15
4. Is the anchorage free of visible cracks in the concrete near the anchors? Ye	s
Spalled concrete on 2 front left bolts is OK by SEWS documents and ANCHOR evaluation does not credit those 2 bolts.	
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: Not Applicab This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)</li> </ol>	le
6. Based on the above anchorage evaluations, is the anchorage free of Ye potentially adverse seismic conditions?	s

#### Interaction Effects

Status: Y N U

	adversely affect the sa	fety functions of the e	quipment?		103
Other	Adverse Conditions	nd found no adverse s	eismic conditions that could		Yes
10.	Based on the above se potentially adverse sei	eismic interaction eval smic interaction effect	uations, is equipment free of s?		Yes
9.	Do attached lines have	adequate flexibility to	avoid damage?		Yes
8.	Are overhead equipme masonry block walls no	ent, distribution system ot likely to collapse on	is, ceiling tiles and lighting, an to the equipment?	ld	Yes
	beige) but would not b	c damaging			
	ROD HUNG light can beige) but would not b	swing into panel (sep e damaging	arate box up on top right corn	er -	
7.	Are soft targets free fro	AB EMERGENCY L	equipment or structures?	50-AB CONTROL	Ye
	Equipment Class:	(20) Instrumentation	and Control Panels and Cab		

Seismic Walkdown Checklist (SWC)

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL





Status: Y N U

#### Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 2-DGAB

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

 Equipment Description:
 AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL





Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB			e, Line Alternational de la companya de la c	tt <u>s</u> tt ni dimensione	
Equipment Class:	(20) Instrumentation	and Control	Panels an	d Cabinets		







P9140485





P9140486

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-DGAB

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





P9130471





P9130473

P9130472



Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB					
Equipment Class:	t Class: _(20) Instrumentation and Control Panels and Cabinets					
Equipment Description:	AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL					





P9130476





P9130477



Status: Y N U

C-505

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL	



Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-DGAB-INV	
Equipment Class: _(16) Inverters	
Equipment Description: AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	
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 an findings. Additional space is provided at the end of this checklist for documenting other comments.	, d
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SQUG 2-DGAB-INV REV0</li> </ol>	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
Discoloration of back right anchor bolt - very minor rust	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
<ol> <li>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.)</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

#### **Interaction Effects**

Seism	nic Walkdown Chec	klist (SWC)				Status:	<u>n</u> u
	Equipment ID N	No.: 2-DGAB-INV	attest dag				
	Equipment Cla	iss: (16) Inverters					
	Equipment Descripti	on: AB EMERGENC	CY DIESEL GE	ENERATOR (	OME-150-AB	NVERTER	
7.	Are soft targets fre	e from impact by near	by equipment	or structures'	?		Yes
8.	Are overhead equi masonry block wal	pment, distribution sys Is not likely to collapse	stems, ceiling e onto the equ	tiles and lighti ipment?	ing, and		Yes
q	Do attached lines h	nave adequate flexibili	tv to avoid day	mage?			Yes
0.	Do attached integ i		ty to avoia dai	nago.			100
10.	Based on the abov	e seismic interaction e	evaluations, is ffects?	equipment fr	ee of		Yes
				11 - 12 			
Other	Adverse Condition	<u>s</u>	404 				
11.	Have you looked to adversely affect the	or and found no advers e safety functions of th	se seismic cor ne equipment?	nditions that c	ould		Yes
		दम कुन लग गणना का					
					8		
Comm	nents						
Evalua	ated by:	+ 3. and G	George G Thor	nas	Date:	10/18/12	eri Ali () Ali ()
	A	Jung.					
		Ned	la Stoeva			10/18/12	s-

Photos

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-DGAB-INV Equipment Class: (16) Inverters

Equipment Description: AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER





Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB-INV		
Equipment Class:	(16) Inverters		

Equipment Description: AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER





P9130447

P9130446





P9130448

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-DGAB-INV	
Equipment Class:	(16) Inverters	et de la companya de La companya de la comp





P9130450



C-510

	 e 1	
Statue	N	11
Status.	IN	0

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-ECR-23	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: CONTAINMENT LOWER VOLUME EAST AIR SAMPLE E	ESR-3
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): _AB2, 612.00 ft, 12	
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.	equipment on the s of judgments and mments.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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 encharge free of visible gracks in the concrete near the encharge	Not Applicable
4. Is the anchorage free of visible cracks in the concrete hear the anchors?	Not Applicable
<ol> <li>Is the anchorage configuration consistent with plant documentation? (Note: This guestion only applies if the item is one of the 50% for which an anchorage</li> </ol>	Not Applicable
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

# Interaction Effects

	Status	: [Y] N U
Seismic Walkdow	/n Checklist (SWC)	
Equipm	nent ID No.: 2-ECR-23	
Equipr	ment Class: (7) Fluid-Operated Valves	
Equipment I	Description: CONTAINMENT LOWER VOLUME EAST AIR SAMPLE ESR-3	
7. Are soft ta	rgets free from impact by nearby equipment or structures?	Yes
8. Are overhe masonry b	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
and a structure and a structur		
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
	· · · · · · · · · · · · · · · · · · ·	
10. Based on t potentially	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse Co	onditions	
11. Have you l adversely	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
<u>Comments</u>		
Evaluated by:	Mary M. Jack George G Thomas Date: 10/18/12	
	GN 0	
	Neda Stoeva 10/18/12	
		ini mini in minu iini
Photos		

C-512

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2-ECR-23		
Equipment Class:	(7) Fluid-Operated Valves		
Equipment Description:	CONTAINMENT LOWER VOLUM	E EAST AIR SAMPLE ES	SR-3



P9100212





P9100214

OTOOLIO



Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-ESW	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: ESSENTIAL SERVICE WATER CONTROL PANEL	
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): AB2, 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 equ SWEL. The space below each of the following questions may be used to record the results of findings. Additional space is provided at the end of this checklist for documenting other comme	ipment on the judgments and ents.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> <li>SQUG 2-CCW REV0</li> </ol>	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
Welded to embedded plate	
<ol> <li>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.)</li> </ol>	No
SEWS identify panel 2-ESW to be larger than it is, need to check SQUG analysis to determine impact. Documentation should be updated to reflect actual size of panel. AR 2012-XXXXX was issued to address document discrepancy.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No
Interaction Effects	

C-514

			Status:	YNU
Seismic Walkdov	wn Checklist	(SWC)		
Equip	ment ID No.:	2-ESW		
Equip	ment Class:	(20) Instrumentation and Control Panels and Cabinets		
Equipment	Description:	ESSENTIAL SERVICE WATER CONTROL PANEL	44 E	
7. Are soft ta	argets free fro	m impact by nearby equipment or structures?		Yes
8. Are overh masonry l <i>Check c</i>	ead equipme block walls no eiling tiles - C	nt, distribution systems, ceiling tiles and lighting, and t likely to collapse onto the equipment? eiling tiles OK per DWG 12-4070		Yes
0 Do attach	od linos havo	adaquate flevibility to avoid damage?		Voc
5. Do attach	eu illies llave	adequate heatbling to avoid damage?		165
10. Based on potentially	the above se / adverse seis	ismic interaction evaluations, is equipment free of mic interaction effects?		Yes
Other Adverse C	onditions			ingle distance from two con-
11. Have you	looked for an	d found no adverse seismic conditions that could		Yes
adversely	affect the saf	ety functions of the equipment?		
Comments			n	
Evaluated by:	Young Y	George G Thomas Date:	10/18/12	
	Alu	mp.	10/10/10	
	[	· INeda Stoeva	10/18/12	
Photos				

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-ESW
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
auipment Description:	ESSENTIAL SERVICE WATER CONTROL PANEL





P9181053

F





C-516

Status: Y N U

## Seismic Walkdown Checklist (SWC)

 Equipment ID No.:
 2-ESW

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

 Equipment Description:
 ESSENTIAL SERVICE WATER CONTROL PANEL



P9181057



Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-ESW Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: ESSENTIAL SERVICE WATER CONTROL PANEL



P9181059



Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-EZC-A	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 600VAC MOTOR CONTROL CENTER EZC-A	
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): AB2, 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 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	equipment on the of judgments and ments.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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	Not Applicable
configuration vehication is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

## Interaction Effects

								Status:	YNU
Seismi	ic Walkdowi	n Checklist (S	SWC)						
	Equipm	ent ID No.: 2	P-EZC-A						
	Equipm	nent Class: _(	1) Motor Cor	ntrol Center	s				
	Equipment D	Description: 6	SOOVAC MO	FOR CONT	ROL CENTE	R EZC-A	1911		
7.	Are soft tar	gets free from	impact by ne	arby equip	ment or struc	tures?			Yes
8.	Are overhe masonry bl	ad equipment, ock walls not l	distribution ikely to colla	systems, ce pse onto th	eiling tiles and e equipment?	l lighting, a	nd		Yes
9.	Do attache	d lines have a	dequate flexi	bility to avc	oid damage?				Yes
10.	Based on the potentially a	he above seisr adverse seism	mic interactic ic interaction	on evaluation effects?	ons, is equipm	ent free of			Yes
Other	Adverse Co	nditions			sAnn 1940 - Anna Anna Anna Anna 1940 - Anna Anna Anna Anna Anna Anna Anna An				
11.	Have you lo adversely a	ooked for and affect the safet	found no adv y functions o	/erse seism of the equip	nic conditions ment?	that could			Yes
<u>Comm</u>	ents								in the second se
Evalua	ted by:	Youry II.	and	George G	6 Thomas		Date:	10/18/12	
		Alu	nf.	Veda Stoev	а			10/18/12	
							l state of the sta	10/10/12	

**Photos** 

Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-EZC-A	
Equipment Class: (1) Motor Control Cent	ers
Equipment Description: 600VAC MOTOR CON	ITROL CENTER EZC-A
ICE	ECOND STAGE HEATER
P9170774	P9170775
P9170776	

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-A
Equipment Class:	(1) Motor Control Centers
oment Description:	600VAC MOTOR CONTROL CENTER EZC-A

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P9170782

P9170779



P9170781

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Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-A
Equipment Class:	(1) Motor Control Centers
Equipment Description:	600VAC MOTOR CONTROL CENTER EZC-A



P9170784





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C-523

Status: Y N U

Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-EZC-A1	
Equipment Class: (1) Motor Control Centers	
Equipment Description: 600VAC MOTOR CONTROL CENTER EZC-A1	
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area):AB2, 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 th SWEL. The space below each of the following questions may be used to record the results of judgments a findings. Additional space is provided at the end of this checklist for documenting other comments.	e nd
<ul> <li>Anchorage</li> <li>1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> <li>DWG 12-3431A and 12-3073D</li> </ul>	Yes
	19
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	
<ol> <li>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.)</li> </ol>	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

Seismic Walkdov	wn Checklist (SWC)	Status: Y N U
Equipr	ment ID No : 2-EZC-A1	
Equip	ment Class: (1) Motor Control Centers	
Equipment		
7. Are soft ta	argets free from impact by nearby equipment or structures?	Yes
8. Are overhe masonry b Ceiling lig damaging	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment? ight rod hung can impact panel 2-EZC-A1 & 2-EZC-B1 - NOT a - not that sensitive	Yes
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
10. Based on potentially	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse Co	onditions	1. 11.11.11.11.11.11.11.11.11.11.11.11.1
11. Have you adversely	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
<u>Comments</u>		
Evaluated by:	Mary M. Jan & George G Thomas Date:	10/18/12
	Munf. Neda Stoeva	10/18/12
		1000 
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Status: Y N U

## Seismic Walkdown Checklist (SWC)



Status: Y N U

C-527

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-A1
Equipment Class:	(1) Motor Control Centers
Equipment Description:	600VAC MOTOR CONTROL CENTER EZC-A1



	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-EZC-B	
Equipment Class: (1) Motor Control Centers	nalitähteksisteen "hide enelegiitä», "esses", 111. enelestikkovääkkeet
Equipment Description: 600VAC MOTOR CONTROL CENTER EZC-B	
Project: DC Cook 2 SWEL	da and and and a second
Location (Bldg, Elev, Room/Area): _AB2, 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 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 con	equipment on the of judgments and nments.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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</li> </ol>	Not Applicable
configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

#### Interaction Effects

C-528

Seism	ic Walkdown Ch	ecklist (SWC)				Status: Y	]N U
	Equipment I	D No.: _2-EZC-I	B and an				
	Equipment	Class: (1) Moto	or Control Centers				
7	Equipment Descr	iption: 600VAC	C MOTOR CONTRO	DL CENTER E	ZC-B	in a fail dhadhaan a fail a sa dachadh Marainn a chuir a chuir a sa dachadh an a Th	Voc
	Are son largels		by nearby equipme		51		163
8.	Are overhead en masonry block v	quipment, distrib walls not likely to	ution systems, ceili collapse onto the e	ng tiles and lig equipment?	nting, and		Yes
9.	Do attached line	es have adequat	e flexibility to avoid	damage?			Yes
10.	Based on the all potentially adve	oove seismic inter rse seismic inter	eraction evaluations action effects?	, is equipment	free of		Yes
Other .	Adverse Conditi	ons					
11.	Have you looke adversely affect	d for and found r the safety funct	no adverse seismic ions of the equipme	conditions that nt?	could		Yes
Comm INSUL	<u>ients</u> ATION Debris ins	ide 2-EZC-R5A	ан п. <sup>н</sup> . д. 1989 10. 400 о. 48. 44.	ΥΥ		a a a a a a a a a a a a a a a a a a a	
Evalua	ited by:	rand II. Ano	George G T	homas	Date:	10/18/12	
		Alunf.	Neda Stoeva			10/18/12	

**Photos** 

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-B
Equipment Class:	(1) Motor Control Centers
quipment Description:	600VAC MOTOR CONTROL CENTER EZC-B



P9170762



P9170764





P9170763





Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-B
Equipment Class:	(1) Motor Control Centers
upment Description:	600VAC MOTOR CONTROL CENTER EZC-B

P9170767

Equ P9170766



P9170768





P9170769



Status: Y N U

C-532

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-B	
Equipment Class:	(1) Motor Control Centers	
Equipment Description:	600VAC MOTOR CONTROL CENTER EZC-B	



Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 2-EZC-B1 Equipment Class: (1) Motor Control Centers Equipment Description: 600VAC MOTOR CONTROL CENTER EZC-B1 Project: DC Cook 2 SWEL Location (Bldg, Elev, Room/Area): AB2, 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 the 50% Yes of SWEL items requiring such verification)? DWG 12-3431A and 12-3073D 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: 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 Yes potentially adverse seismic conditions?

#### **Interaction Effects**

C-533

	Equipme	ent ID No.:	2-EZC-B1						
	Equipm	ent Class:	(1) Motor (	Control Cer	nters				
E	quipment D	escription:	600VAC N	IOTOR CO	NTROL C	ENTER EZ	C-B1		
7.	Are soft targ	gets free fro	om impact by	/ nearby eq	uipment o	r structures	?		Ye
8.	Are overhea masonry blo Ceiling ligh damaging -	ad equipme ock walls no nt rod hung not that se	nt, distributi ot likely to co <i>can impact</i> <i>nsitive</i>	on systems Mapse onto panel 2-EZ	, ceiling til the equip C-A1 & 2-	es and light ment? EZC-B1 - N	ing, and OT		Ye
9.	Do attachec	l lines have	adequate fl	exibility to a	avoid dam	age?			Y
10.	Based on th potentially a	e above se dverse sei	elsmic intera smic interact	ction evalua tion effects'	ations, is e ?	quipment fr	ree of		Y
ther A	dverse Cor	nditions			*	an. An an	*. 11 s		S
11.	Have you lo	oked for ar	nd found no	adverse sei	ismic cond	litions that o	could		Y
	adversely a	nect the sa	lety function	s or the equ	upment?				
omme	ents		ntin nantin nan diga da via 						
valuate	ed by:	Howy )	1. June	George	a G Thom	20	Date:	10/18/12	
raidate		0	Δ	Coolge			Duto.		
		Mu	mp.						
				Noda Str	eva			10/18/12	

Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-EZC-B1
Equipment Class:	(1) Motor Control Centers
Equipment Description:	600VAC MOTOR CONTROL CENTER EZC-B1
	Plane
P9170794	<image/> <image/>

		Status: Y N U
Seism	ic Walkdown Checklist (SWC)	
	Equipment ID No.: 2-FFI-240	internet in the second se
	Equipment Class: _(18) Instruments on Racks	sa. 1 San 1
 an Maria ang ang ang ang ang ang ang ang ang an	Equipment Description: AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3	3-4
	Project: DC Cook 2 SWEL	
Locatio	on (Bldg, Elev, Room/Area): _AB2, 621.00 ft, 10	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
This cl SWEL finding	hecklist may be used to document the results of the Seismic Walkdown of an item of equ. The space below each of the following questions may be used to record the results of s. Additional space is provided at the end of this checklist for documenting other comm	upment on the judgments and ents.
Ancho	brage	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 2-5567A REV6	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

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2-FFI-240	
Equipment Class: (18) Instruments on Racks	
Equipment Description: AUXILIARY FEEDWATER TO STEA	M GENERATOR OME-3-4
7. Are soft targets free from impact by nearby equipment or stru-	ctures? Yes
<ol> <li>Are overhead equipment, distribution systems, ceiling tiles an masonry block walls not likely to collapse onto the equipment</li> </ol>	d lighting, and Yes ?
9. Do attached lines have adequate flexibility to avoid damage?	Yes
<ol> <li>Based on the above seismic interaction evaluations, is equipr potentially adverse seismic interaction effects?</li> </ol>	ment free of Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions adversely affect the safety functions of the equipment?	s that could Yes
Commente	
Comments	
Evaluated by:	Date: 10/18/12
QL D	
Neda Stoeva	10/18/12
Photos	

Status: Y N U

C-538

# Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2-FFI-240
Equipment Class:	(18) Instruments on Racks
Equipment Description:	AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4





Status: Y N U

## Seismic Walkdown Checklist (SWC)

- Equipment ID No.: 2-FFI-240
- Equipment Class: (18) Instruments on Racks

Equipment Description: AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4



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Status: Y N U

# Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-FFI-240

Equipment Class: (18) Instruments on Racks

Equipment Description: AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4





C-540

Status: Y N U

## Seismic Walkdown Checklist (SWC)

	Equipment ID No.: 2-HE-15W	
	Equipment Class: (21) Tanks and Heat Exchangers	
E	Equipment Description: WEST COMPONENT COOLING WATER HEAT EXCHANGER	
	Project: DC Cook 2 SWEL	
Location	n (Bldg, Elev, Room/Area):AB2, 609.00 ft, 609	
	Manufacturer/Model:	
Instruc	tions for Completing Checklist	
This che SWEL. findings	ecklist may be used to document the results of the Seismic Walkdown of an item of equipm The space below each of the following questions may be used to record the results of judg Additional space is provided at the end of this checklist for documenting other comments	ent on the gments and
Anchor	rage	
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? DWG 12-3285 REV24	Yes
2	Is the anchorage free of bent, broken, missing or lease bordware?	Voc
۷.	Is the anchorage free of bent, broken, missing of loose hardware?	Tes
	Thread engagement of north west bolt - OK by tag - And north east bolt - DOC# not visible - OK per SD-010405-001	
2	Is the encharge free of correction that is more than mild surface evidetion?	Vee
з.	is the anchorage free of corrosion that is more than mild surface oxidation?	res
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

					Status:	YNU
Seismic Walkdo	wn Checklist (SWC	C)				
Equip	oment ID No.: 2-HE	E-15W				
Equi	pment Class: (21)	Tanks and Heat E	xchangers		:	
Equipmen	t Description: WES	ST COMPONENT	COOLING WAT	ER HEAT EXC	HANGER	
7. Are soft t	argets free from imp	pact by nearby equ	ipment or struct	ures?		Yes
8. Are overl masonry <i>Fire ext</i>	nead equipment, dis block walls not likely inguishers on short	stribution systems, y to collapse onto hooks - AR 2012-1	ceiling tiles and the equipment? 11669 was issued	lighting, and <i>d</i> .		No
9. Do attact	ned lines have adeq	uate flexibility to a	void damage?			Yes
	a a a		<b>.......</b>			
10. Based or potential	n the above seismic ly adverse seismic ir	interaction evaluation effects?	tions, is equipme	ent free of		No
	Canditiana				n n di n she	
11 Have you	Looked for and four	nd no adverse seis	smic conditions th	hat could		Yes
adversel	y affect the safety fu	inctions of the equi	ipment?			100
		میں جو جو میں 19 1227 1 19		:		
<u>Comments</u>						
Evaluated by:	Speart 21. J	George	G Thomas	Date	: _10/18/12	
	Alund	р.			10/10/10	
		Neda Stoe	eva	<u></u>	10/18/12	
Photos						*

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-HE-15W

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: WEST COMPONENT COOLING WATER HEAT EXCHANGER



P9100047



P9100049





P9100048



Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2-HE-15W

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: WEST COMPONENT COOLING WATER HEAT EXCHANGER

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2-HE-17W	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	δ
Project: DC Cook 2 SWEL	
Location (Bldg, Elev, Room/Area): AB2, 609.00 ft, 6	
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	equipment on the s of judgments and mments.
Anchorage	
<ol> <li>Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?</li> </ol>	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
<ol> <li>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.)</li> </ol>	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Interaction Effects

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 2-HE-17W	
	Equipment Class: (21) Tanks and Heat Exchangers	
	Equipment Description: WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGE	R
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
10.	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other	Adverse Conditions	
11.	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comm	<u>ients</u>	
Evalua	ted by: <u>M. J. George G Thomas</u> Date:	10/18/12

Neda Stoeva

Photos

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10/18/12

Status: Y N U

#### Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-HE-17W	1	
Equipment Class:	(21) Tanks and Heat Exchangers		
Equipment Description:	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	{	





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Status: Y N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2-HE-17W	الله الله المحمد المراجع المحمد ا المسمو المحمد المراجع المحمد
Equipment Class:	(21) Tanks and Heat Exchangers	
ipment Description:	WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	
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