Seismic Walkdown Checklist	(SWC)	Status: Y N U
Equipment ID No.:	·	
· · · -	(17) Engine-Generators	
Equipment Description:	1A1 DIESEL ENGINE	
Proje		
•	a): DG, 45.00 ft, CAL-DGB1-DB102	
Manufacturer/Mod		
Instructions for Completing C		
SWEL. The space below each	ocument the results of the Seismic Walkdown of an item of e of the following questions may be used to record the results ovided at the end of this checklist for documenting other com	of judgments and
<u>Anchorage</u>		
 Is anchorage configurat of SWEL items requiring 	ion verification required (i.e., is the item one of the 50% g such verification)?	Yes
2. Is the anchorage free of	f bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of	f corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of	f visible cracks in the concrete near the anchors?	Yes
This question only appli configuration verification <i>Anchorage verified by</i>	uration consistent with plant documentation? (Note: es if the item is one of the 50% for which an anchorage is required.) drawing 85108 and Calc. D-C-92-027 Pg. 21 that bolts, which is consistent with equipment anchorage.	Yes
Based on the above and potentially adverse seis	chorage evaluations, is the anchorage free of mic conditions?	Yes

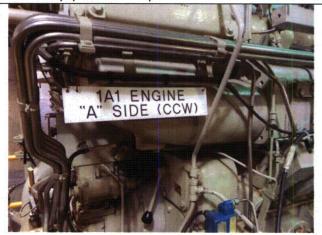
Seismic Walkdov	vn Checklist (SWC)	Status: Y N U
	ment ID No.: 1ENGEDG1A1	
	ment Class: (17) Engine-Generators	
	Description: 1A1 DIESEL ENGINE	
	argets free from impact by nearby equipment or structures?	Yes
	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
	ed lines have adequate flexibility to avoid damage? I piping connected via bellows having adequate flexibility, therefore	Yes
no seismid	c concern.	
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse Co	onditions	
11. Have you	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11.	/09/2012
	C. Figliolini 11	/09/2012
<u>Photos</u>		

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators



1ENGEDG1A1 8-15-12 019



1ENGEDG1A1 8-15-12 021



1ENGEDG1A1 8-15-12 020



1ENGEDG1A1 8-15-12 022

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators



1ENGEDG1A1 8-15-12 023



1ENGEDG1A1 8-15-12 025



1ENGEDG1A1 8-15-12 024



1ENGEDG1A1 8-15-12 027

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators



1ENGEDG1A1 8-15-12 028



1ENGEDG1A1 8-15-12 030



1ENGEDG1A1 8-15-12 029



1ENGEDG1A1 8-15-12 031

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators



1ENGEDG1A1 8-15-12 032



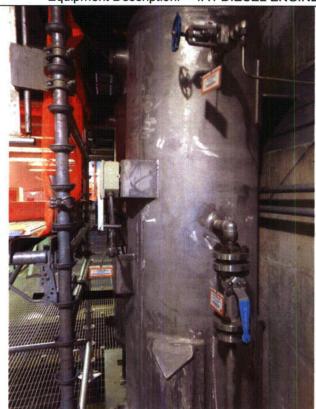
1ENGEDG1A1 8-15-12 033

Status: Y N U

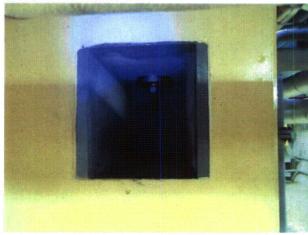
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

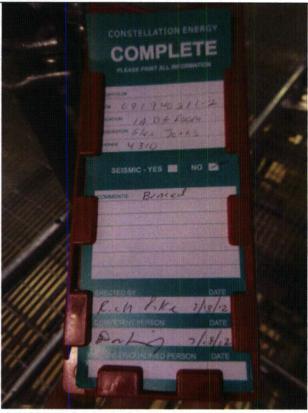
Equipment Class: (17) Engine-Generators



1ENGEDG1A1 8-15-12 034



1ENGEDG1A1 8-15-12 036



1ENGEDG1A1 8-15-12 035



1ENGEDG1A1 8-15-12 037

Status: Y N U

Seismic Walkdown Checklist (SWC)

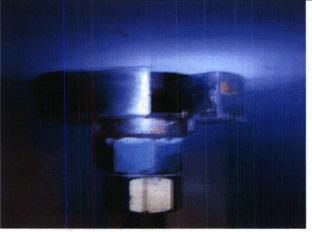
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators





1ENGEDG1A1 8-15-12 040



1ENGEDG1A1 8-15-12 039

Seismic Walkdown Checklist (SWC)	IS:	YNU
Equipment ID No.: 1ENGEDG1B		
Equipment Class: (17) Engine-Generators		••
Equipment Description: EMERGENCY DIESEL GENERATOR 1B		
Project: CCNPP 1 SWEL		
Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-421		
Manufacturer/Model:		
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipm SWEL. The space below each of the following questions may be used to record the results of judg findings. Additional space is provided at the end of this checklist for documenting other comments	ımer	
Anchorage		
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 		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?		No
Concrete crack approximately ½" wide near comer anchor. Need to determine if condition is seismically acceptable. CR-2012-009322		
 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.) Anchorage verified by drawing C-488. 		Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?		No

Seismi	ic Walkdown Checklis	at (SWC)			Status:	Y N U
00.0	Equipment ID No.					
	Equipment Class	-	enerators			
	Equipment Description		DIESEL GENERATOR 1B			
			arby equipment or structure			Yes
	-	identified as A21	and A24 on drawing A-259			
8.	masonry block walls r Overhead lights in z 10/3/12 - Overhead lightheir lightweight and t	not likely to collaps one of influence o ghts were deemed o typical construct	ystems, ceiling tiles and ligh se onto the equipment? If tubing and gages. In not a credible seismic con tion practices. Also, they ha bund seismically acceptable.	cem due to ave been		Yes
9.	•	-	ility to avoid damage?			Yes
10.	Based on the above s potentially adverse se		evaluations, is equipment effects?	free of		Yes
Other	Adverse Conditions					
11.			erse seismic conditions that the equipment?	could		Yes
Comm	ents		.,			
Evalua	ted by: A. M.	formanian .	A. Karavoussianis	Date:	11/09/2012	
	_//	<i></i>	C. Figliolini		11/09/2012	
Photos	<u> </u>					

Status: Y N U

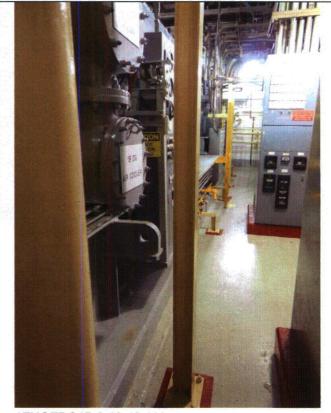
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators



1ENGEDG1B 8-13-12 112



1ENGEDG1B 8-13-12 113

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators



1ENGEDG1B 8-13-12 114



1ENGEDG1B 8-13-12 115

Status: Y N U

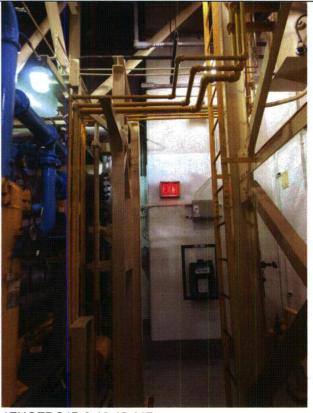
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators



1ENGEDG1B 8-13-12 116



1ENGEDG1B 8-13-12 117

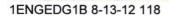
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators







1ENGEDG1B 8-13-12 119

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators





1ENGEDG1B 8-13-12 121





1ENGEDG1B 8-13-12 122



1ENGEDG1B 8-13-12 123

Status: Y N U

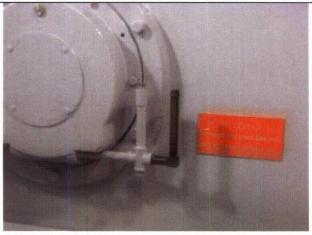
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

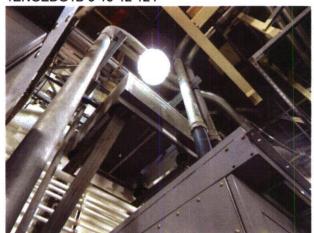
Equipment Class: (17) Engine-Generators



1ENGEDG1B 8-13-12 124



1ENGEDG1B 8-13-12 125



1ENGEDG1B 8-13-12 126

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 1FAN0448A	
Equipment Class: (9) Fans	
Equipment Description: ECCS PP RM CLR 12 FAN A	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): AUX, -15.00 ft, CAL-AB-118	
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% Ye of SWEL items requiring such verification)? 	∋s
Is the anchorage free of bent, broken, missing or loose hardware? Yes	es
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	es
4. Is the anchorage free of visible cracks in the concrete near the anchors?	es
5. Is the anchorage configuration consistent with plant documentation? (Note: Ye This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Bottom of equipment is bolted to C5 by 2 – 1-3/16 F-F bolts at each end. C5 is welded to embed steel in the wall at one end and to another C5, which in turn is welded to embeds at each end on the other side of the fan unit. Top of fan is welded to 3 angle frames. Frames are braced to each other and welded to angle runners which in turn are weld to ceiling embeds at 4 places per runner. Need documentation to verify anchorage configuration.	es
Walkdown as-built anchorage description is consistent with drawing 63517 sheet 2.	

Seism	ic Walkdown Checklist	(SWC)	Status: Y N U
00.0	Equipment ID No.:		
	Equipment Class:		···
	Equipment Description:		
		2000.1 (1.11.021.12.)	
		·	
6.	Based on the above an potentially adverse seis	chorage evaluations, is the anchorage free of mic conditions?	Yes
	•		
Interac	ction Effects		
7.	Are soft targets free fro	m impact by nearby equipment or structures?	Yes
		•	
8.	• •	nt, distribution systems, ceiling tiles and lighting, and tikely to collapse onto the equipment?	Yes
9.	Do attached lines have	adequate flexibility to avoid damage?	Yes
10.	Based on the above se potentially adverse seis	smic interaction evaluations, is equipment free of mic interaction effects?	Yes
Other	Adverse Conditions		
11.	•	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comm	ents		
Evalua	sted by: A. Kan	waynama A Karayoussianis Date: 1	1/00/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

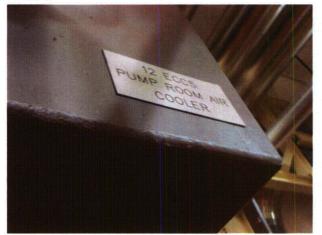
Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A

C. Figliolini

11/09/2012

Photos







1FAN0448A 8-7-12 221

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans



1FAN0448A 8-7-12 222



1FAN0448A 8-7-12 223

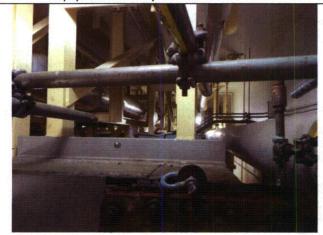
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

(9) 1 2113



1FAN0448A 8-7-12 224



1FAN0448A 8-7-12 227



1FAN0448A 8-7-12 228



1FAN0448A 8-7-12 229

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

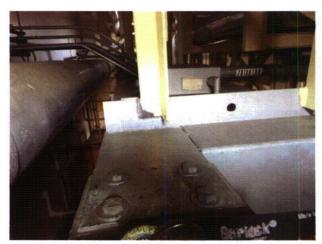
Equipment Class: (9) Fans



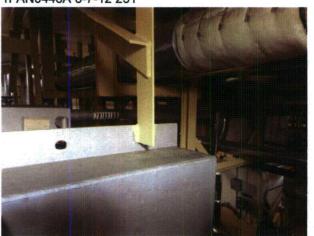
1FAN0448A 8-7-12 230



1FAN0448A 8-7-12 231



1FAN0448A 8-7-12 232



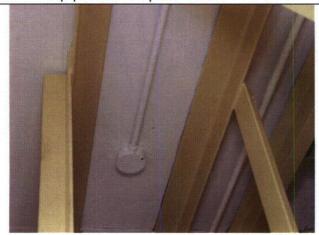
1FAN0448A 8-7-12 233

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans



1FAN0448A 8-7-12 234



1FAN0448A 8-7-12 235

Status: Y Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 1FANHVAC10546	
Equipment Class: (9) Fans	
Equipment Description: ELEC ROOMS EXH FAN (F-12)	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 45.00 ft, CAL-DGB1-DB102	
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 SWEL. The space below each of the following questions may be used to record the results of judgments findings. Additional space is provided at the end of this checklist for documenting other comments.	
<u>Anchorage</u>	
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
 Is the anchorage configuration consistent with plant documentation? (Note: Not Application only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	licable
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Salam	ic Walkdown Checklis	· (SWC)	Status: Y N U
Seisiii			
	Equipment ID No.:	1FANHVAC10546	
	Equipment Class:	(9) Fans	
		ELEC ROOMS EXH FAN (F-12)	
7.	Are soft targets free fro	om impact by nearby equipment or structures?	Yes
8.	• •	ent, distribution systems, ceiling tiles and lighting, and ot likely to collapse onto the equipment?	Yes
9.	Do attached lines have	e adequate flexibility to avoid damage?	Yes
	•	ripment consist of flex conduit and the fan is connected s, both having adequate flexibility, therefore no seismic	
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other	Adverse Conditions		
11.		nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comm	<u>ients</u>		
Evalua	nted by: A. Land	A. Karavoussianis Date	11/09/2012
		C. Figliolini	11/09/2012
Photos	<u>s</u>		

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

Equipment Description: ELEC ROOMS EXH FAN (F-12)



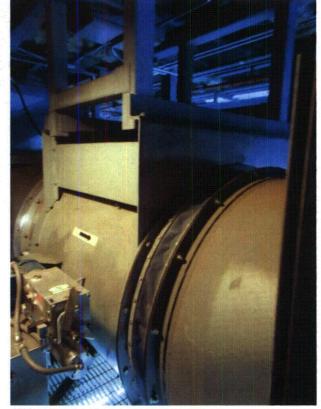
1FANHVAC10546 8-15-12 041



1FANHVAC10546 8-15-12 043



1FANHVAC10546 8-15-12 042



1FANHVAC10546 8-15-12 044

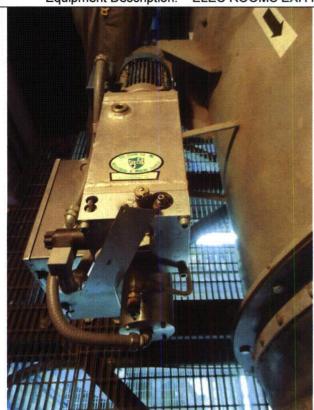
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

Equipment Description: ELEC ROOMS EXH FAN (F-12)





1FANHVAC10546 8-15-12 046

1FANHVAC10546 8-15-12 045

Status: Y N U

Seismic Walkdown Checklist (SWC)

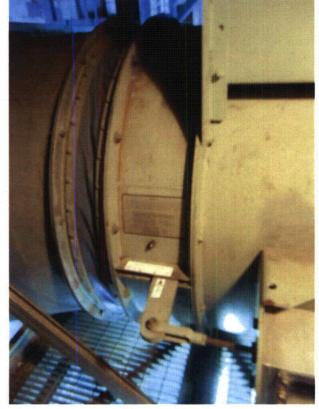
Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

Equipment Description: ELEC ROOMS EXH FAN (F-12)



1FANHVAC10546 8-15-12 047



1FANHVAC10546 8-15-12 048

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 1FANHVAC10562	
Equipment Class: (9) Fans	
Equipment Description: BATTERY RM EXH FAN (F-8)	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): DG, 89.00 ft, CAL-DGB1-DB307	
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 result findings. Additional space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for documenting other control of the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of this checklist for the space is provided at the end of the space is provided	ts of judgments and
Anchorage	V
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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.) Anchorage is consistent however mounting detail substituted lock washers for double nuts. Anchorage verified by drawings 85-051-E. CR-2012-009658 	No
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? The mounting detail substituted is not an adverse seismic condition, but simple a documentation issue.	Yes

Seismic Walkdown (Shacklist (SWC)			Status: Y	ט א 🛚
		•				
Equipmen	t ID No.:	1FANHVAC10562				
Equipmer	nt Class:	(9) Fans	<u>,</u>			
		BATTERY RM EXH FAN				
7. Are soft targe	ts free fror	n impact by nearby equip	ment or structures?			Yes
	• .	t, distribution systems, co likely to collapse onto th		and		Yes
9. Do attached li	ines have	adequate flexibility to avo	oid damage?			Yes
		ment consist of flex cond eismic concem.	duit having adequate			
		mic interaction evaluation interaction effects?	ons, is equipment free o	of		Yes
Other Adverse Cond	 litions					
11. Have you look	ked for and	found no adverse seism ty functions of the equip		d	·	Yes
Comments						
Evaluated by:	J. kan	A. Ka	ravoussianis	Date:	11/09/2012	
	///	C. Figlio	olini		11/09/2012	
Photos						

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

Equipment Description: BATTERY RM EXH FAN (F-8)



1FANHVAC10562 8-15-12 086



1FANHVAC10562 8-15-12 088



1FANHVAC10562 8-15-12 087



1FANHVAC10562 8-15-12 089

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

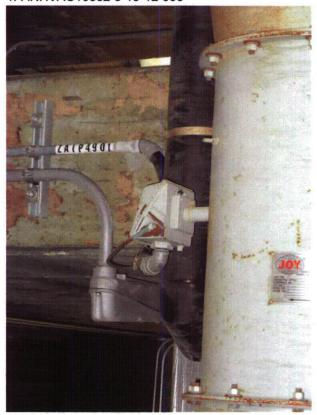
Equipment Description: BATTERY RM EXH FAN (F-8)



1FANHVAC10562 8-15-12 090



1FANHVAC10562 8-15-12 091



1FANHVAC10562 8-15-12 092

Seismic Walkdown Checklist	(SWC)	Status: Y N U
	1FANHVAC10562	
Equipment Class:		
Equipment Description:	BATTERY RM EXH FAN (F-8)	
Equipment Becompain.	DATE OF THE PARTY OF	
		Status: Y N U
Seismic Walkdown Checklist	(SWC)	Status. 1 14 0
Equipment ID No.:	1FANHVAC10565	
Equipment Class:	(9) Fans	
Equipment Description:	DG BLDG SR SYS SUPP FAN (F-10)	
Proje	ect: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Are	ea): DG, 89.00 ft, CAL-DGB1-DB307	
Manufacturer/Mod	del:	
Instructions for Completing (Checklist	-
SWEL. The space below each	locument the results of the Seismic Walkdown of an item of e of the following questions may be used to record the results ovided at the end of this checklist for documenting other com	of judgments and
Anchorage		
 Is anchorage configura of SWEL items requiring 	tion verification required (i.e., is the item one of the 50% g such verification)?	No
2 In the analyses from	fhont bushen missing or local bondurans	Vee
-	of bent, broken, missing or loose hardware?	Yes
Equipment was obser	ved from the floor; the fan is about 25' overhead.	
3. Is the anchorage free of	of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free c	of visible cracks in the concrete near the anchors?	Yes
-	guration consistent with plant documentation? (Note: lies if the item is one of the 50% for which an anchorage in is required.)	Not Applicable

Salam	ic Walkdown Checklist	Statu	s: Y N U
Seisili			
	Equipment ID No.:		
	Equipment Class:		
	Equipment Description:	DG BLDG SR SYS SUPP FAN (F-10)	
6.	potentially adverse seis Lines attached to equi	chorage evaluations, is the anchorage free of mic conditions? pment consist of flex conduit and flexible hose, both lity, therefore no seismic concern.	Yes
<u>Intera</u>	ction Effects		
7.	Are soft targets free fro	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
10.		smic interaction evaluations, is equipment free of	Yes
Other	Adverse Conditions		
11.	Have you looked for an	d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comm	<u>ients</u>		
Evalua	ated by: A. Kan	A. Karavoussianis Date: 11/09/20	12

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10565

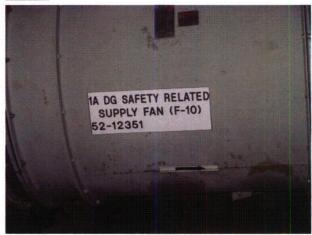
Equipment Class: (9) Fans

Equipment Description: DG BLDG SR SYS SUPP FAN (F-10)

C. Figliolini

11/09/2012

Photos



1FANHVAC10565 8-15-12 094



1FANHVAC10565 8-15-12 096



1FANHVAC10565 8-15-12 095



1FANHVAC10565 8-15-12 097

Status: Y N U

Seismic Walkdown Checklist (SWC)

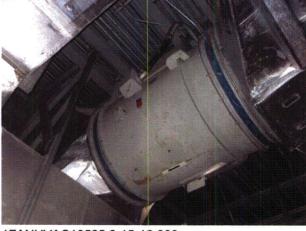
Equipment ID No.: 1FANHVAC10565

Equipment Class: (9) Fans

(b) Fullo



1FANHVAC10565 8-15-12 098



1FANHVAC10565 8-15-12 099



1FANHVAC10565 8-15-12 100

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1FANHVACSWGRS11	
Equipment Class: (9) Fans	
Equipment Description: 11 SWGR RM SPLY FAN	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-524	
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 resulting. Additional space is provided at the end of this checklist for documenting other contents.	ilts 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
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?	No
One anchor bolt is corroded and so is its plate. CR-2012-009535	
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.) Anchorage has been modified. Need to determine if anchorage configuration is consistent with plant documentation. CR-2012-009730 	No
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No

Seismi	c Walkdown Checklis	: (SWC)	Status: Y N U
	Equipment ID No.:	1FANHVACSWGRS11	
	Equipment Class:		
E	Equipment Description:	11 SWGR RM SPLY FAN	
		om impact by nearby equipment or structures?	Yes
8.	masonry block walls n Overhead light if not	ent, distribution systems, ceiling tiles and lighting, and of likely to collapse onto the equipment? II/I may fall on equipment.	Yes
	their lightweight and to	hts were deemed not a credible seismic concern due to typical construction practices. Also, they have been y CCNPP and found seismically acceptable.	
9.	•	e adequate flexibility to avoid damage?	Yes
	ductwork is well suppo	nipment consist of flexible instrumentation tubing. Also, rted and braced and is attached to the AHU via a t have adequate flexibility, therefore no seismic concern.	
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes
Other A	Adverse Conditions	<u>*************************************</u>	
11.	-	nd found no adverse seismic conditions that could fety functions of the equipment?	Yes
Comm			
Commo		integral to the overall HVACSWGRS11 air handling unit.	The anchorage and
		andling unit were evaluated as a whole.	
Evaluat	ed by:	A. Karavoussianis Date:	11/09/2012
	free	toplet -	
		C. Figliolini	11/09/2012
Photos			

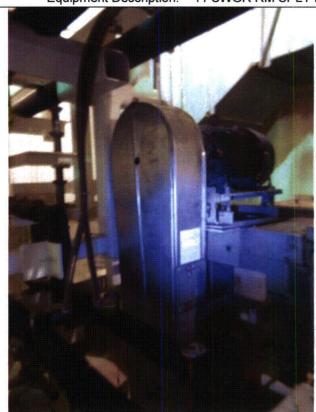
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

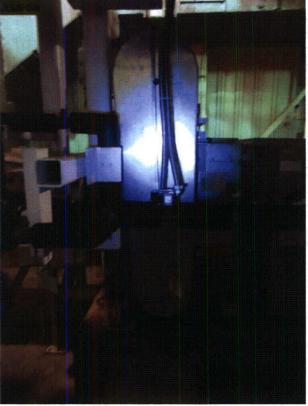
Equipment Description: 11 SWGR RM SPLY FAN



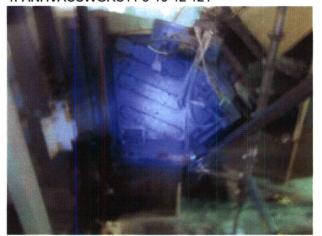
1FANHVACSWGRS11 8-10-12 120



1FANHVACSWGRS11 8-10-12 122



1FANHVACSWGRS11 8-10-12 121



1FANHVACSWGRS11 8-10-12 123

Status: Y N U

Seismic Walkdown Checklist (SWC)

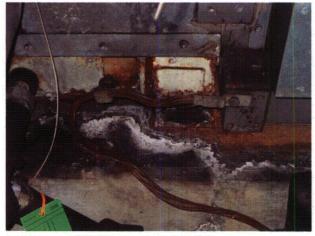
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 124



1FANHVACSWGRS11 8-10-12 126



1FANHVACSWGRS11 8-10-12 125



1FANHVACSWGRS11 8-10-12 127

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 128



1FANHVACSWGRS11 8-10-12 129

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 130



1FANHVACSWGRS11 8-10-12 131

Status: Y N U

Seismic Walkdown Checklist (SWC)

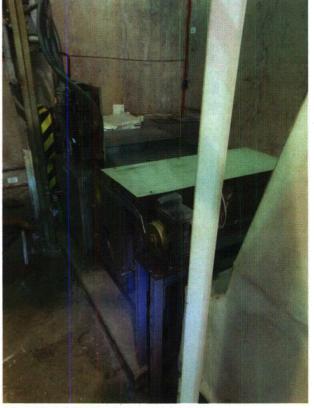
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 132



1FANHVACSWGRS11 8-10-12 133



1FANHVACSWGRS11 8-10-12 134

WALKDOWN CHECKLISTS

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1FT321 Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: HPSI FLOW TO LOOP 11B Project: CCNPP 1 SWEL Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-224 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)? 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: No This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage verified by Drawings 65300 sheet 3 and 91005 (J-104). The web of the support channel is not fully welded to the wall anchor plates. The channel's web weld is approximately 3" long instead of being continuous. CR-2012-009348 6. Based on the above anchorage evaluations, is the anchorage free of No potentially adverse seismic conditions?

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1FT321	
Equipment Class: (20) Instrumentation and Co	entrol Panels and Cabinets
Equipment Description: HPSI FLOW TO LOOP 11B	
Interaction Effects	
7. Are soft targets free from impact by nearby equipmer	nt or structures? Yes
Are overhead equipment, distribution systems, ceiling masonry block walls not likely to collapse onto the equipment.	
Do attached lines have adequate flexibility to avoid d	lamage? Yes
Based on the above seismic interaction evaluations, potentially adverse seismic interaction effects?	is equipment free of Yes
Other Adverse Conditions	
Have you looked for and found no adverse seismic considerable adversely affect the safety functions of the equipments	
Comments	· · · · · ·
Evaluated by: A. Karavo C. Figliolini	
Photos Photos	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B



1FT321 8-6-12 107



1FT321 8-6-12 108

Status: Y N U

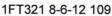
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B







1FT321 8-6-12 111

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B



1FT321 8-6-12 112

WALKDOWN CHECKLISTS

Status: Y N U Seismic Walkdown Checklist (SWC) Equipment ID No.: 1FT322 Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: LPSI FLOW TO LOOP 11B Project: CCNPP 1 SWEL Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-224 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)? 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: No This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage verified by Drawing 91005 (J-104). The web of the support channel is not fully welded to the wall anchor plates. The channel's web weld is approximately 3" long instead of being continuous. CR-2012-009348 6. Based on the above anchorage evaluations, is the anchorage free of No potentially adverse seismic conditions?

Seismic Walkdown Che	dist (SWC)		Status:	Y N U
Equipment ID		that Danala and Oakinsta		
	ss: (20) Instrumentation and Cor	itrol Panels and Cabinets		
	on: LPSI FLOW TO LOOP 11B	t or otherstures?		Vos
7. Are soit targets in	e from impact by nearby equipmen	t or structures?		Yes
-	oment, distribution systems, ceiling s not likely to collapse onto the equ	•		Yes
9. Do attached lines	ave adequate flexibility to avoid da	amage?		Yes
	e seismic interaction evaluations, is seismic interaction effects?	s equipment free of		Yes
Other Adverse Conditio	2			
	er and found no adverse seismic co e safety functions of the equipment			Yes
Comments				
Evaluated by:	A. Karavol		11/09/2012	
Photos	O. I igiloliili		. 1100/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

Equipment Description: LPSI FLOW TO LOOP 11B



1FT322 8-6-12 113



1FT322 8-6-12 114



1FT322 8-6-12 115



1FT322 8-6-12 117

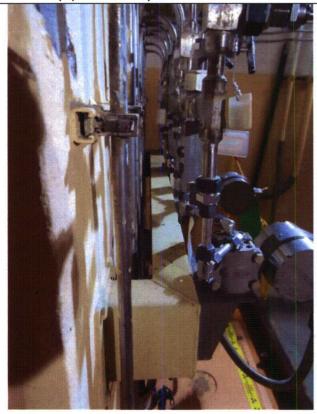
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

Equipment Description: LPSI FLOW TO LOOP 11B



1FT322 8-6-12 118

Seismíc Walkdown Checklist (S	SWC)	Status: Y N U
Equipment ID No.:		
Equipment Class: (
· · ·	11 SWGR HVAC DISCH GRAV DMPR	
Project		
Location (Bldg, Elev, Room/Area)): AUX, 70.00 ft, CAL-AB-524	
Manufacturer/Mode	l:	
Instructions for Completing Ch	ecklist	
SWEL. The space below each of	cument the results of the Seismic Walkdown of an item of f the following questions may be used to record the results vided at the end of this checklist for documenting other cor	of judgments and
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50%	No
This damper is part of A		
2. Is the anchorage free of l	bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of o	corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of v	visible cracks in the concrete near the anchors?	Not Applicable
	ration consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage is required.)	Not Applicable
Based on the above anch potentially adverse seism	norage evaluations, is the anchorage free of nic conditions?	Yes
•		,

Seism	nic Walkdown Checklist (SWC)		Status: Y N U
0010111	•		
	Equipment ID No.: 1GDHVAC/A-228		
	Equipment Class: (10) Air Handlers		
	Equipment Description: 11 SWGR HVAC DISCH C		
· /.	Are soft targets free from impact by nearby equipm	ent or structures?	Yes
8.	Are overhead equipment, distribution systems, ceil masonry block walls not likely to collapse onto the		Yes
9.	Do attached lines have adequate flexibility to avoid	damage?	Yes
10.	Based on the above seismic interaction evaluations potentially adverse seismic interaction effects?	s, is equipment free of	Yes
Other	r Adverse Conditions		
11.	Have you looked for and found no adverse seismic adversely affect the safety functions of the equipment		Yes
Comm	ments		
	of-Box to 11SWGRHVAC		
Evalua	ated by: A. Kara A. Kara	voussianis Date:	11/09/2012
	C. Figliolia	ni	11/09/2012
Photo	<u>os</u>		

Status: Y N U

Seismic Walkdown Checklist (SWC)

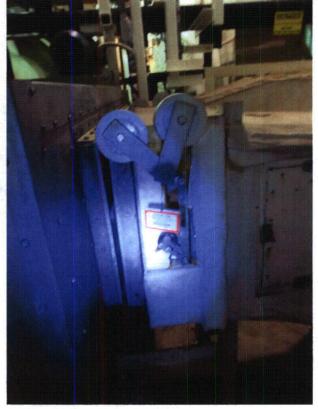
Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR



1GDHVAC#A-228 8-10-12 112



1GDHVAC#A-228 8-10-12 113

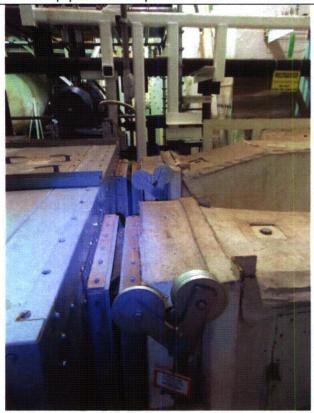
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR



1GDHVAC#A-228 8-10-12 114

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 1HXCC11	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: COMPONENT COOLING HEAT EXCH 11	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-228	
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.	
<u>Anchorage</u>	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	es/
Is the anchorage free of bent, broken, missing or loose hardware? Y	⁄es
Is the anchorage free of corrosion that is more than mild surface oxidation? Y	es/es
Is the anchorage free of visible cracks in the concrete near the anchors? Y	⁄es
 Is the anchorage configuration consistent with plant documentation? (Note: Y This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage is verified by drawing FSK-C-0084. 	es/es
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	es/es

Oalawia	Notice of the state of the stat	Status: Y N U
Seismic	c Walkdown Checklist (SWC)	
	Equipment ID No.: 1HXCC11	
	Equipment Class: (21) Tanks and Heat Exchangers	,
	quipment Description: COMPONENT COOLING HEAT EXCH 11	
7.	Are soft targets free from impact by nearby equipment or structures?	Yes
	Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Scaffold to the west side of heat exchanger is tagged as seismic, therefore no concern.	Yes
9.	Do attached lines have adequate flexibility to avoid damage?	Yes
	Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other A	Adverse Conditions	
	Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comme	ents	
Evaluate	ed by: A. Karavoussianis Date: 1	1/09/2012
	C. Figliolini 1	1/09/2012
Photos		

Status: Y N U

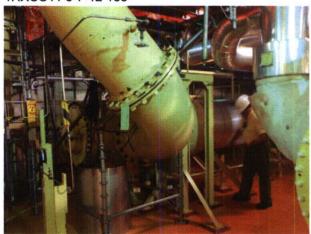
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers



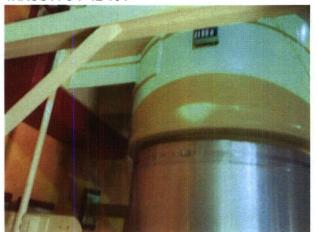
1HXCC11 8-7-12 163



1HXCC11 8-7-12 165



1HXCC11 8-7-12 164



1HXCC11 8-7-12 166

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers





1HXCC11 8-7-12 169

1HXCC11 8-7-12 168

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers



1HXCC11 8-7-12 170



1HXCC11 8-7-12 171



1HXCC11 8-7-12 172



1HXCC11 8-7-12 173

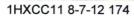
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers







1HXCC11 8-7-12 175

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1HXHVACSWGRCU11	-
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 11 SWGR HVAC CNDSR UNIT	
Project: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-ARF	* NY WINDO
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
<u>Anchorage</u>	
1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	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
Is the anchorage free of visible cracks in the concrete near the anchors? Equipment is anchored to steel protruding from roof.	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.) Anchorage is consistent with drawing 15869-0001 SH0001 Rev.0. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown C	hecklist	(SWC)			Status: Y N U
Equipment	ID No.:	1HXHVACSWG	RCU11		
			Heat Exchangers		
Equipment Des	cription:	11 SWGR HVA	C CNDSR UNIT		
7. Are soft target	s free fro	m impact by near	by equipment or structu	ıres?	Yes
		•	stems, ceiling tiles and lee onto the equipment?	ighting, and	Not Applicable
9. Do attached lii	nes have	adequate flexibili	ity to avoid damage?		Yes
		ismic interaction e	evaluations, is equipme ffects?	nt free of	Yes
Other Adverse Cond	tions			·	
		d found no adver ety functions of th	se seismic conditions the equipment?	nat could	Yes
Comments					
<u> </u>					
Evaluated by:	1. km	warin	A. Karavoussianis	Date:	11/09/2012
	//		C. Figliolini	····	11/09/2012
Photos					

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

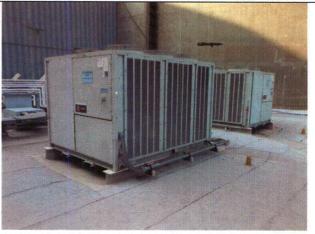
Equipment Description: 11 SWGR HVAC CNDSR UNIT



1HXHVACSWGRCU11 8-13-12 001



1HXHVACSWGRCU11 8-13-12 003



1HXHVACSWGRCU11 8-13-12 002



1HXHVACSWGRCU11 8-13-12 004

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

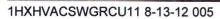
Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT





1HXHVACSWGRCU11 8-13-12 006





1HXHVACSWGRCU11 8-13-12 007



1HXHVACSWGRCU11 8-13-12 008

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

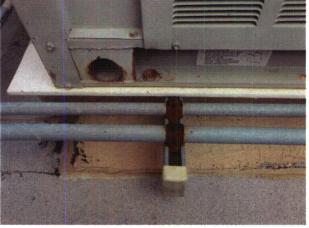
Equipment Description: 11 SWGR HVAC CNDSR UNIT



1HXHVACSWGRCU11 8-13-12 009



1HXHVACSWGRCU11 8-13-12 011



1HXHVACSWGRCU11 8-13-12 010



1HXHVACSWGRCU11 8-13-12 012

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT



1HXHVACSWGRCU11 8-13-12 013

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-226

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)?

Yes

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

No

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 1HXSRW11B	
	Equipment Class: (21) Tanks and Heat Exchangers	
	Equipment Description: 11B SERVICE WATER PHE	
	Only one anchor hex bolt has a washer, the others do not (slotted end). All four have the main plate washer. CR-2012-009630	
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
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.) Anchorage is consistent however it is missing washers, see note 2 on drawing 15077-0002. Anchorage verified by drawing 15077-0002 SH0004 Rev 1.	No
6.	Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? 10/2/12 - The missing washers do not adversely affect the equipment's anchorage, therefore there is no potential seismic concern. This is simple a documentation issue.	Yes
Interac	ction Effects	
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	Yes

Seismic Walkdown Checkli	st (SWC)		Status:	Y N	U
Equipment ID No	•				
Equipment Class	: (21) Tanks and Heat Exchangers				
Equipment Description	: 11B SERVICE WATER PHE				
potentially adverse so	eismic interaction effects?				
-	and found no adverse seismic conditions that could afety functions of the equipment?			`	es′
Comments	·				
Evaluated by:	A. Karavoussianis	Date:	11/09/2012		
	C. Figliolini		11/09/2012		
Photos					

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 001



1HXSRW11B 8-16-12 002

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE





1HXSRW11B 8-16-12 004

1HXSRW11B 8-16-12 003

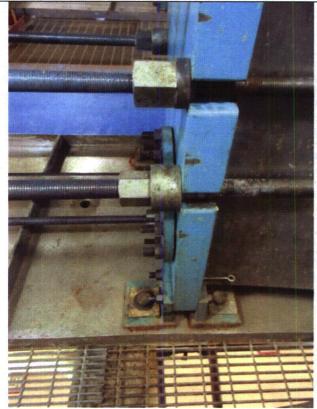
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 005



1HXSRW11B 8-16-12 006

Status: Y N U

Seismic Walkdown Checklist (SWC)

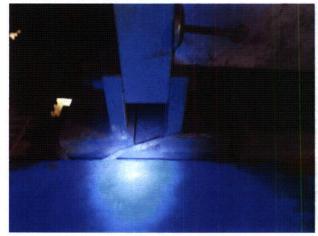
Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

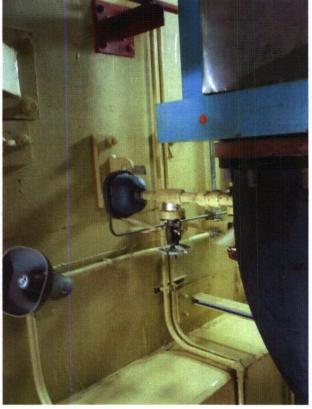
Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 007



1HXSRW11B 8-16-12 009



1HXSRW11B 8-16-12 008



1HXSRW11B 8-16-12 010

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 011

Seismic Walkdown Checklist (S	SWC)	Status: Y N U
·	•	
Equipment ID No.:		
	(20) Instrumentation and Control Panels and Cabinets	
	COND STORAGE TANK 12	
•	t: CCNPP 1 SWEL	
Location (Bldg, Elev, Room/Area)		
Manufacturer/Mode Instructions for Completing Ch		
This checklist may be used to do SWEL. The space below each of	cument the results of the Seismic Walkdown of an item of ed f the following questions may be used to record the results o rided at the end of this checklist for documenting other comr	f judgments and
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring 	on verification required (i.e., is the item one of the 50% such verification)?	Yes
2. Is the anchorage free of I	pent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of o	corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of v	visible cracks in the concrete near the anchors?	Yes
This question only applie configuration verification The cabinet is anchored the sides of the cabinet be anchored to the concrete	ration consistent with plant documentation? (Note: s if the item is one of the 50% for which an anchorage is required.) If through a welded 3"x3"x1/4", 4'-0" long angles along by fillets that are 2" long at 6.5" centers. Each angle is a floor by 4 - 1/2" CEA at 15" centers. If the item is one of the 50% for which an anchorage is a floor by 4 - 1/2" CEA at 15" centers. If age sketch is consistent with drawing 61913 sheet 1	Yes
	norage evaluations, is the anchorage free of nic conditions?	Yes

	•	Status: Y N U
Seismic Walkdown Checklist	(SWC)	<u></u>
Equipment ID No.:	1LI5611A	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	COND STORAGE TANK 12	
Interaction Effects		
7. Are soft targets free fro	m impact by nearby equipment or structures?	Yes
Are overhead equipme	nt, distribution systems, ceiling tiles and lighting, and	Yes
masonry block walls no	t likely to collapse onto the equipment?	
	dentified as QQ and A31 on drawing A-259, are safety- ically rated per IE Bulletin 80-11.	
related and thus seismi	cany rated per in Bulletin 60-11.	
9. Do attached lines have	adequate flexibility to avoid damage?	Yes
	•	
10. Based on the above se	ismic interaction evaluations, is equipment free of	Yes
	smic interaction effects?	103
Other Adverse Conditions		
_	d found no adverse seismic conditions that could	Yes
adversely affect the saf	ety functions of the equipment?	
Comments		
1.1		
Evaluated by:	A. Karavoussianis Date: 1	1/09/2012
	1	
fort	plan-	
10	C. Figliolini	1/09/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

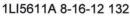
Equipment ID No.: 1LI5611A

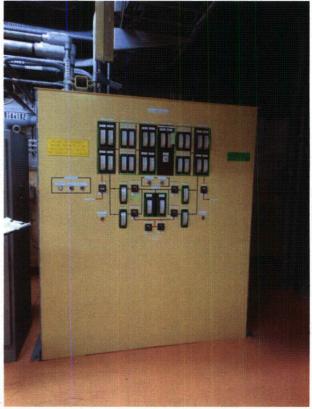
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: COND STORAGE TANK 12

Photos







1LI5611A 8-16-12 133

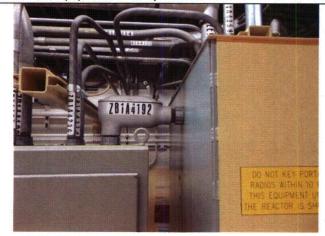
Status: Y N U

Seismic Walkdown Checklist (SWC)

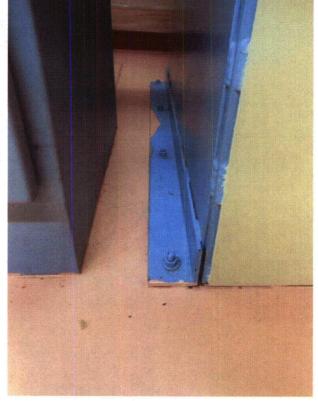
Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12



1LI5611A 8-16-12 134



1LI5611A 8-16-12 135

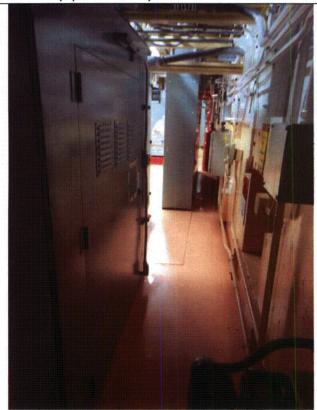
Status: Y N U

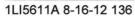
Seismic Walkdown Checklist (SWC)

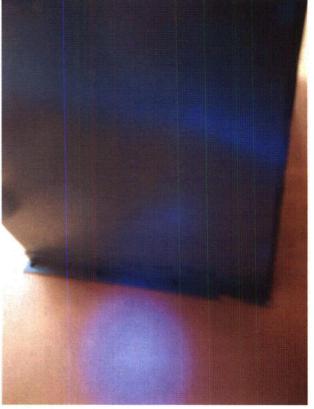
Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12







1LI5611A 8-16-12 137

Seismic Walkdown Checklist (SWC)	Status: Y N U	
Equipment ID No.: 1LT1565		
Equipment Class: (20) Instrumentation and Control Panels and Cabinets		
Equipment Description: SERV WTR HEAD TNK 12 LEVEL		
Project: CCNPP 1 SWEL		
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-524		
Manufacturer/Model:		
Instructions for Completing Checklist	<u> </u>	
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 common the common space.	f judgments and	
<u>Anchorage</u>		
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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.) Anchorage is consistent with drawings 65426 sheet 3 and 91004 (J-103), except for the CEA that are 1/2" instead of 3/8". However, drawing 65426 refers to its support as being similar to J-103, therefore using J-103 as the minimum requirement. Anchorage judged consistent. 6. Based on the above anchorage evaluations, is the anchorage free of 	Yes	
potentially adverse seismic conditions?		

Seismic Walkdown C	hecklist	(SWC)	Status: Y N U
		1LT1565	
Equipment Equipmer			
		SERV WTR HEAD TNK 12 LEVEL	
Equipment Des	cription.	SERV WIR HEAD HAR 12 LEVEL	
	s free fro	n impact by nearby equipment or structures?	Yes
		nt, distribution systems, ceiling tiles and lighting, and tilkely to collapse onto the equipment?	Yes
Lines attache	ed to equ	adequate flexibility to avoid damage? oment consist of flex conduit and flexible tubing, both ity, therefore no seismic concern.	Yes
10. Based on the	above se	smic interaction evaluations, is equipment free of mic interaction effects?	Ÿes
Other Adverse Cond	itions		
•		d found no adverse seismic conditions that could ety functions of the equipment?	Yes
Comments			
Evaluated by:	1. ka	A. Karavoussianis Date: 11	1/09/2012
	//	C. Figliolini 11	1/09/2012
Photos			

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT1565

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

Equipment Description: SERV WTR HEAD TNK 12 LEVEL



1LT1565 8-10-12 102





1LT1565 8-10-12 106

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 1LT4142	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: REFUEL WTR TNK 11 LEVEL	
Project: CCNPP 1 SWEL Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-439	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of establishment. 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
<u>Anchorage</u>	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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.) Anchorage is consistent with drawings 65862 sheet 3 and FSK-M-0026. 	· Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismi	c Walkdown Checklis	t (SWC)	Status: Y N U	
Ocionii				
	Equipment ID No.			
		(20) Instrumentation and Control Panels and Cabinets		
	Equipment Description Are soft targets free free	REFUEL WTR TNK 11 LEVEL om impact by nearby equipment or structures?	Yes	
γ.	Ale soil largets free fr	om impact by nearby equipment of structures?	163	
8.		ent, distribution systems, ceiling tiles and lighting, and	Yes	
	masonry block walls not likely to collapse onto the equipment?			
	path.	a credible hazard because there are obstructions in its	•	
9.	Do attached lines have	e adequate flexibility to avoid damage?	Yes	
10.		eismic interaction evaluations, is equipment free of smic interaction effects?	Yes	
Other /	Adverse Conditions			
11.		nd found no adverse seismic conditions that could fety functions of the equipment?	Yes	
Comm	ents			
Evaluat	ted by: A. A.	A. Karavoussianis Date:	11/09/2012	
		C. Figliolini	11/09/2012	
Photos				

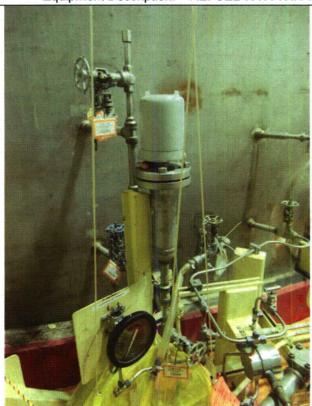
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT4142

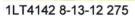
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

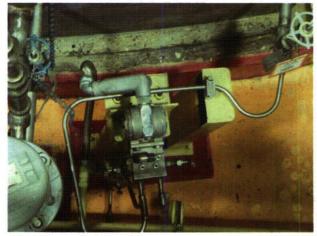
Equipment Description: REFUEL WTR TNK 11 LEVEL





1LT4142 8-13-12 276





1LT4142 8-13-12 277



1LT4142 8-13-12 279

Status: Seismic Walkdown Checklist (SWC)	Y N U	
Equipment ID No.: 1MB411		
Equipment Class: (5) Horizontal Pumps		
Equipment Description: FUEL POOL COOLING PUMP 11		
Project: CCNPP 1 SWEL		
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-320		
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.		
<u>Anchorage</u>		
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No	
This is the motor to pump 0PUMPSFP11, motor and pump are on the same skid.		
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: Not A This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Applicable	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes	

WALKDOWN CHECKLISTS

Seismic Walkdown Checklis		tatus: Y N U
Equipment ID No.:		
. ,	(5) Horizontal Pumps	
Equipment Description:		
	om impact by nearby equipment or structures?	Yes
10/3/12 - Overhead lig their lightweight and to previously evaluated it 8. Are overhead equipm	fall and break sight glass. This were deemed not a credible seismic concern due to be typical construction practices. Also, they have been be concerned by CCNPP and found seismically acceptable. The content of the	Yes
·	ot likely to collapse onto the equipment? e adequate flexibility to avoid damage?	Yes
	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
Comments SWEL 2		
Evaluated by: A. M.)/2012)/2012

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps



1MB411 8-10-12 066



1MB411 8-10-12 068



1MB411 8-10-12 067



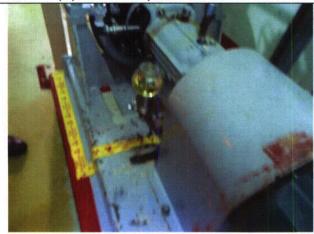
1MB411 8-10-12 069

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps



1MB411 8-10-12 070



1MB411 8-10-12 071

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps



1MB411 8-10-12 072



1MB411 8-10-12 073

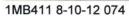
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps







1MB411 8-10-12 075

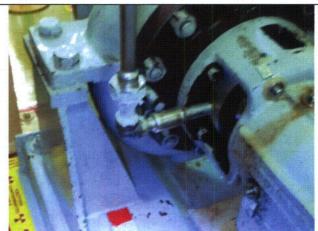
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps





1MB411 8-10-12 078

1MB411 8-10-12 076

WALKDOWN CHECKLISTS

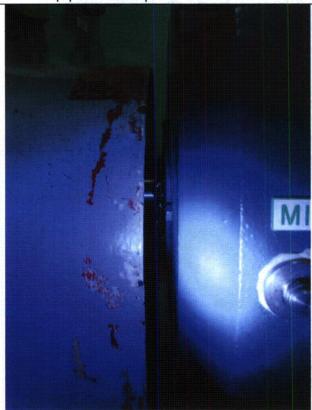
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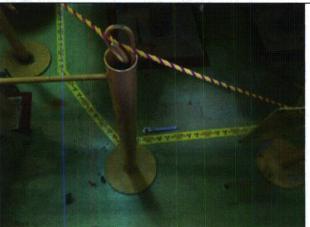
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11





1MB411 8-10-12 080

1MB411 8-10-12 079