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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2GDHVAC/A-228	
Equipment Class: (10) Air Handlers	
Equipment Description: 21 SWGR HVAC DISCH GRAV DMPR	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-526	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of on the SWEL. The space below each of the following questions may be used to record the judgments and findings. Additional space is provided at the end of this checklist for docum comments.	results of
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? <i>Inline damper with ductwork to 21SWGRHVAC.</i> 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

ATTACHMENT 3

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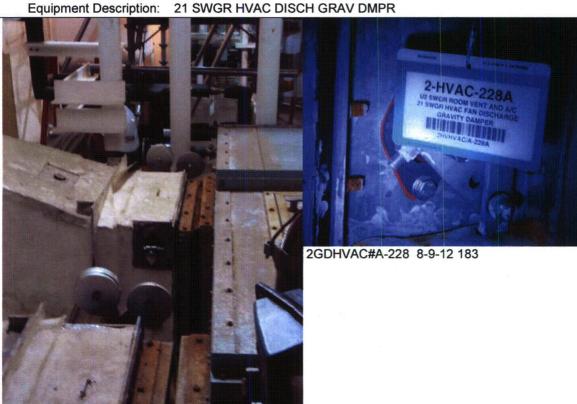
WALKDOWN CHECKLISTS

Seismic Walkdo	wn Checklist (SWC)	Status: Y	N U
	ent ID No.: 2GDHVAC/A-228		
	ent Class: (10) Air Handlers		
Equipment D	escription: 21 SWGR HVAC DISCH GRAV DMPR		
Interaction Effect	ts		
7. Are soft t	argets free from impact by nearby equipment or structures?		Yes
	lead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?		Yes
9. Do attach	ed lines have adequate flexibility to avoid damage?		Yes
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?		Yes
Other Adverse C	onditions		
	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?		Yes
adversely	affect the safety functions of the equipment?		
Comments			
<u>gomments</u>			
Evaluated by:	A. Karavoussianis Date	e: 11/09/2012	
	tout		
	C. Figliolini	11/09/2012	

<u>Photos</u>

Seismic Walkdown Checklist (SWC)

Equipment Class:	(10) Air Handlers
auipment Description:	21 SWGR HVAC DISCH GRAV DMPR



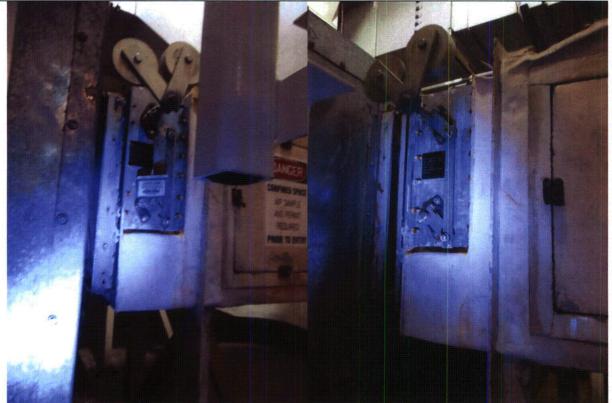
2GDHVAC#A-228 8-9-12 182

169

Seismic Walkdown Checklist (SWC)

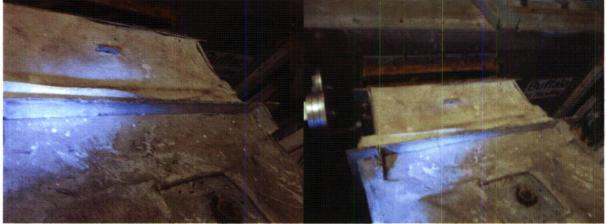
Equipment ID No.:	2GDHVAC/A-228	
Equipment Class:	(10) Air Handlers	

Equipment Description: 21 SWGR HVAC DISCH GRAV DMPR



2GDHVAC#A-228 8-9-12 184

2GDHVAC#A-228 8-9-12 185



2GDHVAC#A-228 8-9-12 186

2GDHVAC#A-228 8-9-12 187

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Seism	ic Walkdown Checklist (SWC)	NU
	Equipment ID No.: 2HS5204A	
	Equipment Class: (0) Other	-
Ec	uipment Description: SW AIR COMPR 21 CONTROL	-
	Project: CCNPP 2 SWEL	
Locatio	on (Bidg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-532	
	Manufacturer/Model:	_
Instru	ctions for Completing Checklist	_
on the	necklist may be used to document the results of the Seismic Walkdown of an item of equipment SWEL. The space below each of the following questions may be used to record the results of ents and findings. Additional space is provided at the end of this checklist for documenting other ents.	
Ancho		
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 2HS5204A is on panel 2N1405	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.)	No
	The controls are mounted on a 7-1/4"x12"x16" electrical box (2N1405). The box is mount on two L4x4x1/4" vertical angles by two 3/8" bolts per angle. The bottom of the box is approximately 40" above the floor. The L4 vertical angles are welded to a 1/2"x7"x15" base plate by a 3/16 all around fillet weld. The base plates are weld to embedded plates by a 1/4" fillet weld along the base plates' 7" side with 1" long return welds.	
	The anchorage is not consistent with drawing 91061 sheet 3. The drawing	

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ATTACHMENT 3

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WALKDOWN CHECKLISTS

Seism	ic Walkdown Checkli	st (SWC)	Status:	YN
Colom	Equipment ID No.:			
	Equipment Class:	(0) Other		
Fr		SW AIR COMPR 21 CONTROL		
		ong the base plates' 15" side with returns (i.e. along the		
6.	Based on the above a potentially adverse se	anchorage evaluations, is the anchorage free of eismic conditions?		Ν
Intera	tion Effects			
7.	Are soft targets free f	rom impact by nearby equipment or structures?		Ye
8.		nent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment?		Ye
9.	Do attached lines hav	ve adequate flexibility to avoid damage?		Ye
10.		seismic interaction evaluations, is equipment free of eismic interaction effects?		Ye
Other 11.	•	and found no adverse seismic conditions that could after the equipment?		 Ye
Comm	ents			
Evalua	ted by: A. K	A. Karavoussianis Date:	11/09/2012	

Salamia Walkdown Chaokli	ot (SNIC)	Status: Y N U
Seismic Walkdown Checkli	SI (SWC)	
Equipment ID No.:	2HS5204A	
Equipment Class:	(0) Other	
Equipment Description:	SW AIR COMPR 21 CONTROL	
ton	C. Figliolini	11/09/2012
	3	



Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HS5204A
Equipment Class:	(0) Other
Equipment Description:	SW AIR COMPR 21 CONTROL

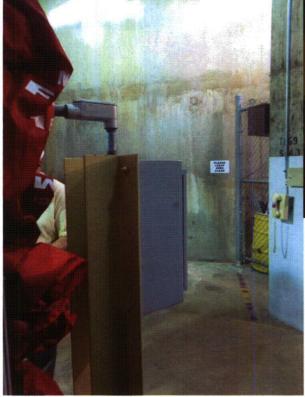


2HS5204A 8-9-12 088

2HS5204A 8-9-12 089

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HS5204A
Equipment Class:	(0) Other
Equipment Description:	SW AIR COMPR 21 CONTROL





Status: Y N U

2HS5204A 8-9-12 091

2HS5204A 8-9-12 090

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HS5204A
Equipment Class:	(0) Other
Equipment Description:	SW AIR COMPR 21 CONTROL

2HS5204A 8-9-12 093



2HS5204A 8-9-12 094

2HS5204A 8-9-12 092

References

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Status: Y N U

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Seismic Walkdown Checklist (SWC)		
Equipment ID No.:	2HS5204A	
Equipment Class:	(0) Other	
Equipment Description:	SW AIR COMPR 21 CONTROL	
Equipment Description: SW AIR COMPR 21 CONTROL Field Sketch 7 × 15 * Y2 Y2 Fille1 2HS5204A SWC WALK-DOWN FIELD SKETCH		

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Status: Y N	U
Equipment ID No.: 2HS5204A1	
Equipment Class: (0) Other	
Equipment Description: 21 SWAC LCL/REMOTE HS	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-532	
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% N of SWEL items requiring such verification)? 2HS5204A1 is on panel 2N1405 	0
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicabl	e
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable	e
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicabl	e
 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 configuration verification is required.) 	e
6. Based on the above anchorage evaluations, is the anchorage free of Ye potentially adverse seismic conditions?	S

ATTACHMENT 3

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WALKDOWN CHECKLISTS

Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 2HS5204A1	
	Equipment Class: (0) Other	
Ed	uipment Description: 21 SWAC LCL/REMOTE HS	
	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 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	ients	<u></u>
Evalua	nted by: A. Karavoussianis Date: 1	1/09/2012
	C. Figliolini	1/09/2012
Photo	S	

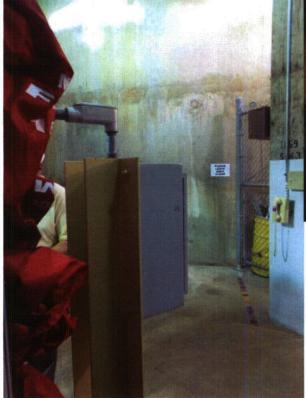
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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HS5204A1
Equipment Class:	(0) Other
Equipment Description:	21 SWAC LCL/REMOTE HS



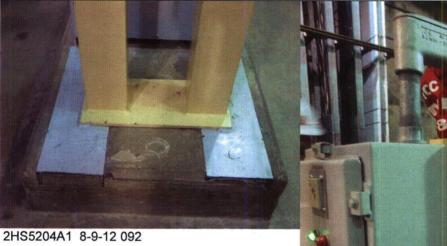


2HS5204A1 8-9-12 091

2HS5204A1 8-9-12 090

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HS5204A1	
Equipment Class:	(0) Other	
Equipment Description:	21 SWAC LCL/REMOTE HS	





2HS5204A1 8-9-12 093



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Status: Y N	U
Equipment ID No.: 2HXBD22	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: BLOWDOWN HEAT EXCHANGER 22	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-206	
Manufacturer/Model:	_
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% No of SWEL items requiring such verification)? 	D
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes	S
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes	S
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes	s
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicable This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	e
 Based on the above anchorage evaluations, is the anchorage free of Yes potentially adverse seismic conditions? 	S

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Status:	Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2HXBD22	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: BLOWDOWN HEAT EXCHANGER 22	
Interaction Effects	Vee
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
Tubing and instrument is mounted on a stanchion that is supported on the floor. There is adequate flexibility therefore not a seismic concern.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date: 11/09/2012	
Liveration by. Ph. relations Date. 11/09/2012	
tout fight -	
C. Figliolini 11/09/2012	
Photos	

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Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXBD22
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	BLOWDOWN HEAT EXCHANGER 22



2HXBD22 8-7-12 123

2HXBD22 8-7-12 124

Seismic Walkdown Checklist (SWC)

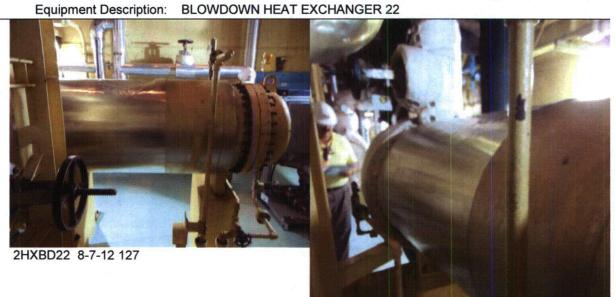
Equipment ID No.:	2HXBD22
Equipment Class:	(21) Tanks and Heat Exchangers
uipment Description:	BLOWDOWN HEAT EXCHANGER 22



2HXBD22 8-7-12 126

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXBD22	
Equipment Class:	(21) Tanks and Heat Exchangers	
upment Description:	BLOWDOWN HEAT EXCHANGER 22	



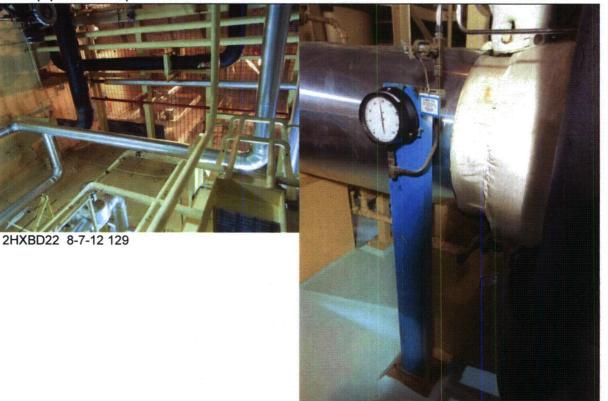
2HXBD22 8-7-12 128

187

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXBD22
Equipment Class:	(21) Tanks and Heat Exchangers

Equipment Description: BLOWDOWN HEAT EXCHANGER 22



2HXBD22 8-7-12 130

Status: Y

N U

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Status: Y]N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2HXCC21	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: COMPONENT COOLING HEAT EXCH 21	-
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):AUX, 5.00 ft, CAL-AB-201	
Manufacturer/Model:	-
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	-
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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 drawing FSK-C-0084. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seism	ic Walkdown Checklist (SWC)	Status: Y	NU
	Equipment ID No.: 2HXCC21		
	Equipment Class: (21) Tanks and Heat Exchangers		
E	uipment Description: COMPONENT COOLING HEAT EXCH 21		
Intera	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? The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.		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	ients		-
Evalua	ated by: A. Kanvaunianin A. Karavoussianis Date:	11/09/2012	-
	C. Figliolini	11/09/2012	
Photo	<u>S</u>		-

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXCC21	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	COMPONENT COOLING HEAT EXCH 21	



2HXCC21 8-7-12 086



2HXCC21 8-7-12 087

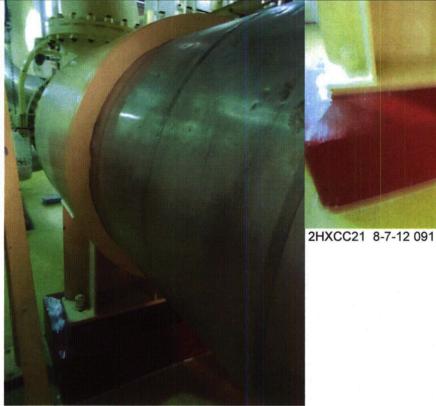


2HXCC21 8-7-12 088

2HXCC21 8-7-12 089

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXCC21
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	COMPONENT COOLING HEAT EXCH 21

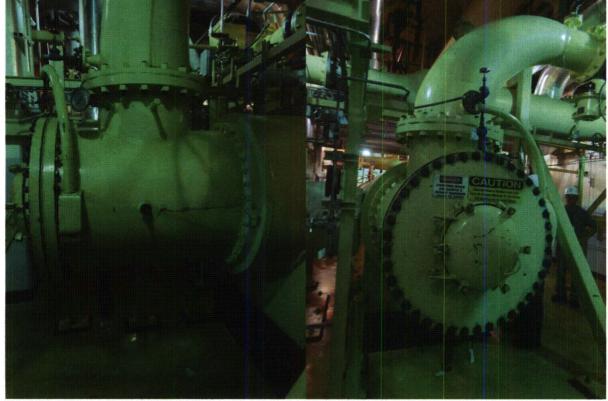


2HXCC21 8-7-12 090

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No .:	2HXCC21	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	COMPONENT COOLING HEAT EXCH 21	



2HXCC21 8-7-12 092

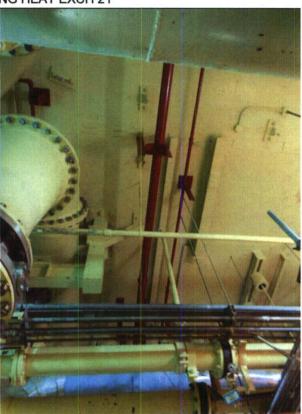
2HXCC21 8-7-12 093

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXCC21
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	COMPONENT COOLING HEAT EXCH 21



2HXCC21 8-7-12 094



2HXCC21 8-7-12 095

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St Seismic Walkdown Checklist (SWC)	atus: YNU
Equipment ID No.: 2HXDSAA/CLR2A	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 2A DG AS COMPR AFT CLR	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-422	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equi on the SWEL. The space below each of the following questions may be used to record the resu judgments and findings. Additional space is provided at the end of this checklist for documentin comments.	ults of
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? This HX is inline with 1-3/8" O.D. piping in front of 2A DG Air Compressor. 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? HX inline with 1-3/8" O.D. pipe in front of 2A DG Air Compressor. 	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2HXDSAA/CLR2A	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 2A DG AS COMPR AFT CLR	
Interaction Effects	
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? Overhead light but will not affect HX therefore not a creditable hazard. 10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable. 	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date:	11/09/2012
C. Figliolini	11/09/2012

Photos

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2HXDSAA/CLR2A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG AS COMPR AFT CLR



2HXDSAA#CLR2A 8-13-12 218

2HXDSAA#CLR2A 8-13-12 219



2HXDSAA#CLR2A 8-13-12 220

2HXDSAA#CLR2A 8-13-12 221

Seismic Walkdown Checklist (SWC)

Status:	Y	Ν	U

Equipment ID No.:	2HXDSAA/CLR2A
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	2A DG AS COMPR AFT CLR



2HXDSAA#CLR2A 8-13-12 222

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2HXHVACSWGRCU21	
Equipment Class: (21) Tanks and Heat Exchangers	<u> </u>
Equipment Description: 21 SWGR HVAC CNDSR UNIT	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-ARF	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of eq on the SWEL. The space below each of the following questions may be used to record the re judgments and findings. Additional space is provided at the end of this checklist for document comments.	sults of
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?	Not Applicable
Equipment is anchored to steel protruding from roof.	
 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? Same anchorage as 1 HXHVACSWGRCU11	Yes

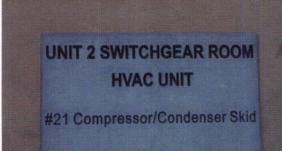
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O Jamia Mallalaum Oha - Hist (ONO)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2HXHVACSWGRCU21	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 21 SWGR HVAC CNDSR UNIT	
Interaction Effects	X
7. Are soft 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?	Not Applicable
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date:	11/09/2012
C. Figliolini	11/09/2012
Photos	

Seismic Walkdown Checklist (SWC)

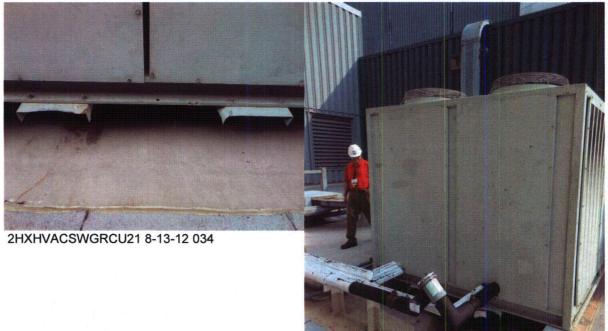
Equipment ID No.:	2HXHVACSWGRCU21	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	21 SWGR HVAC CNDSR UNIT	





2HXHVACSWGRCU21 8-13-12 032

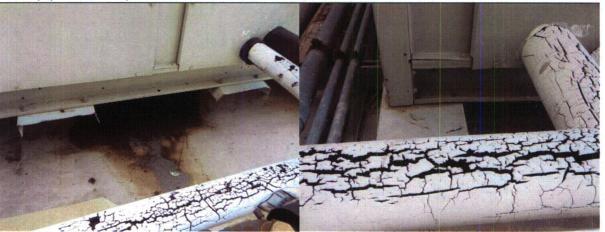
2HXHVACSWGRCU21 8-13-12 033



2HXHVACSWGRCU21 8-13-12 035

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXHVACSWGRCU21
Equipment Class:	(21) Tanks and Heat Exchangers
Equipment Description:	21 SWGR HVAC CNDSR UNIT



2HXHVACSWGRCU21 8-13-12 036

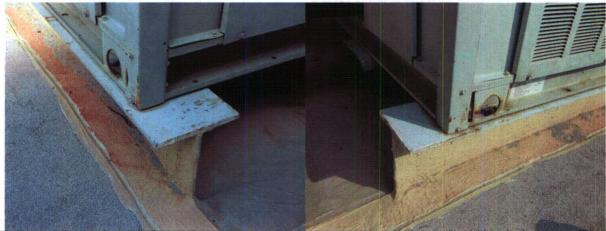
2HXHVACSWGRCU21 8-13-12 037



2HXHVACSWGRCU21 8-13-12 038



2HXHVACSWGRCU21 8-13-12 039



ATTACHMENT 3

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WALKDOWN CHECKLISTS

Seismic Walkdown Checkli	st (SWC)	us: YNU
Equipment ID No.:	2HXHVACSWGRCU21	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	21 SWGR HVAC CNDSR UNIT	
2HXHVACSWGRCU21 8-13	-12 040 2HXHVACSWGRCU21 8-13-12 041	
Seismic Walkdown Checkli		us: Y N U
Equipment ID No.:		
	(21) Tanks and Heat Exchangers	
	oject: CCNPP 2 SWEL	
Manufacturer/M	Area): AUX, 5.00 ft, CAL-AB-205	
Instructions for Completing		
on the SWEL. The space be	o document the results of the Seismic Walkdown of an item of equipn low each of the following questions may be used to record the results itional space is provided at the end of this checklist for documenting	s of
<u>Anchorage</u>		
	ration verification required (i.e., is the item one of the 50% ring such verification)?	No
2. Is the anchorage free	e of bent, broken, missing or loose hardware?	Yes
_	e 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

ATTACHMENT 3

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WALKDOWN CHECKLISTS

Seism	ic Walkdown Checkli	st (SWC)	Status: Y N
	Equipment ID No.:	2HXSRW21A	
	Equipment Class:	(21) Tanks and Heat Exchangers	
E	quipment Description:	21A SERVICE WATER PHE	
5.	-	figuration consistent with plant documentation? (Note: oplies if the item is one of the 50% for which an anchorage tion is required.)	Not Applica
6.	Based on the above potentially adverse s	anchorage evaluations, is the anchorage free of eismic conditions?	Y
<u>Intera</u> 7.	ction Effects Are soft targets free	from impact by nearby equipment or structures?	Y
8.		nent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment?	Y
9.	Do attached lines ha	ve adequate flexibility to avoid damage?	Y
10.		seismic interaction evaluations, is equipment free of eismic interaction effects?	Y
Other	Adverse Conditions	and found no adverse seismic conditions that could	

Comments

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Seismic Walkdov	wn Checkli	st (SWC)		Status: Y N	U
Equipme	ent ID No.:	2HXSRW21A			
Equipm	ent Class:	(21) Tanks and Heat Exchangers			
Equipment D	escription:	21A SERVICE WATER PHE			
Evaluated by:	A.K	A. Karavoussianis	Date:	11/09/2012	
	the	thete			
	1	C. Figliolini	1921	11/09/2012	



2HXSRW21A 8-6-12 289

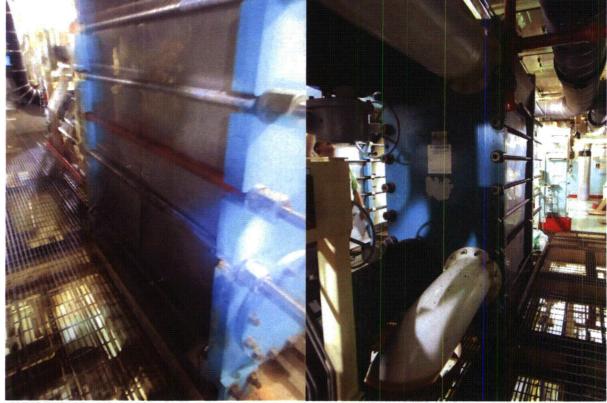
Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXSRW21A	
Equipment Class:	(21) Tanks and Heat Exchangers	in and a second s
Equipment Description:	21A SERVICE WATER PHE	



2HXSRW21A 8-6-12 290

2HXSRW21A 8-6-12 291

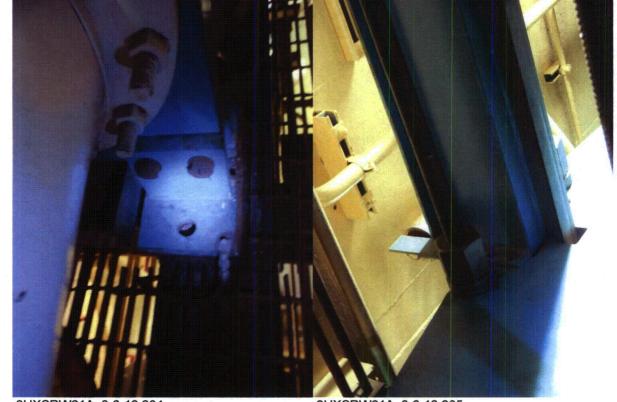


2HXSRW21A 8-6-12 292

2HXSRW21A 8-6-12 293

Seismic Walkdown Checklist (SWC)

	Equipment ID No.:	2HXSRW21A	
	Equipment Class:	(21) Tanks and Heat Exchangers	
L	Equipment Description:	21A SERVICE WATER PHE	



2HXSRW21A 8-6-12 294

2HXSRW21A 8-6-12 295

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXSRW21A
Equipment Class:	(21) Tanks and Heat Exchangers
uinment Description	21A SERVICE WATER PHE



2HXSRW21A 8-6-12 297

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXSRW21A	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	21A SERVICE WATER PHE	4 ::



2HXSRW21A 8-6-12 298

2HXSRW21A 8-6-12 299



2HXSRW21A 8-6-12 300



2HXSRW21A 8-6-12 301

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2HXSRW21A	
Equipment Class:	(21) Tanks and Heat Exchangers	
Equipment Description:	21A SERVICE WATER PHE	



2HXSRW21A 8-6-12 302

2HXSRW21A 8-6-12 303

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Seism	ic Walkdown Checklist (SWC)	Y. N U
	Equipment ID No.: 2I/P3939	
	Equipment Class: (0) Other	
Ec	quipment Description: STM GEN 21 ATM DMP VLV 2CV3939	
	Project: CCNPP 2 SWEL	
Locatio	on (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-408	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
on the	necklist may be used to document the results of the Seismic Walkdown of an item of equipmen SWEL. The space below each of the following questions may be used to record the results of ents and findings. Additional space is provided at the end of this checklist for documenting oth ents.	
<u>Ancho</u>		
1.	Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? This device is mounted next to PCV 3939A and on same unistrut by 2 - 7/16 Flat to Flat bolts.	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: Not 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? Mounted next to PCV 3939A and on same unistrut by 2 - 7/16 Flat to Flat bolts	Yes

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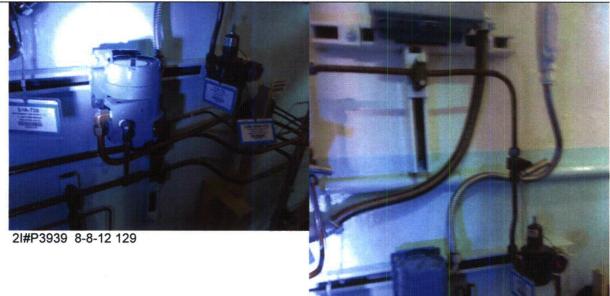
Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2I/P3939	
Equipment Class: (0) Other	
Equipment Description: STM GEN 21 ATM DMP VLV 2CV3939	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
8. Are overhead equipment, distribution systems, 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 potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date: 1	1/09/2012
C. Figliolini 11	1/09/2012
Photos	

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Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2I/P3939
Equipment Class:	(0) Other
<u>.</u>	

Equipment Description: STM GEN 21 ATM DMP VLV 2CV3939



2I#P3939 8-8-12 130

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2I/P3939
Equipment Class:	(0) Other
Equipment Description:	STM GEN 21 ATM DMP VLV 2CV3939

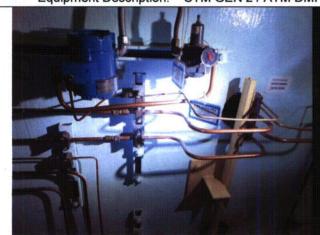


2I#P3939 8-8-12 132

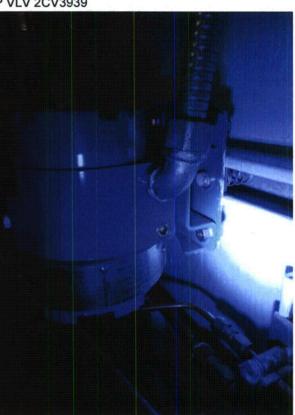
2I#P3939 8-8-12 131

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2I/P3939
Equipment Class:	(0) Other
Equipment Description:	STM GEN 21 ATM DMP VLV 2CV3939



2I#P3939 8-8-12 133



2I#P3939 8-8-12 134

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2LIA5611	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: COND STORAGE TANK 12 LVL B IND ALARM	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-405	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of on the SWEL. The space below each of the following questions may be used to record the judgments and findings. Additional space is provided at the end of this checklist for docume comments.	results of
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? SRT was not able to observe the anchorage inside the panel due to congestion of cables. However, the SRT observed the adjacent cabinet that is anchored using anchorage details per the control room drawing. 	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: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2LIA5611	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: COND STORAGE TANK 12 LVL B IND ALARM	
Interaction 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	Yes
masonry block walls not likely to collapse onto the equipment? 10/3/12 - The control room ceiling has been previously evaluated by CCNPP	
and was determined to not be a credible seismic concern.	
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
adversely anext the safety functions of the equipment:	
Comments	
Evaluated by: A. Karavoussianis Date:	11/09/2012
	11/03/2012
tout after	
C. Figliolini	11/09/2012

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Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2LIA5611 Equipment Class: (20) Instrumentation and Control Panels and Cabinets Equipment Description: COND STORAGE TANK 12 LVL B IND ALARM 2004 CALVERT CLIFFS **Jnit 2** 2LIA5611 8-14-12 154 2LIA5611 8-14-12 155 Unit 2 8888 8088 200 1 17 . . 123 2LIA5611 8-14-12 156 2LIA5611 8-14-12 157

218

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2LIA5611	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	COND STORAGE TANK 12 LVL B IND ALARM	



2LIA5611 8-14-12 159

2LIA5611 8-14-12 160





2LIA5611 8-14-12 161

2LIA5611 8-14-12 162



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Seismic Walkdown Checklist (SWC)	Ν	U
Equipment ID No.: 2LIA5611 Equipment Class: (20) Instrumentation and Control Panels and Cabinets		
Equipment Description: COND STORAGE TANK 12 LVL B IND ALARM 2LIA5611 8-14-12 163 2LIA5611 8-14-12 164	•	
· · · · · · · · · · · · · · · · · · ·	-	
Status: Y	N	U
Equipment ID No.: 2LT1565		
Equipment Class: (20) Instrumentation and Control Panels and Cabinets		
Equipment Description: SERV WTR HEAD TNK 22 LEVEL		
Project: CCNPP 2 SWEL	•	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-526		
Manufacturer/Model:	_	
Instructions for Completing Checklist		
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.		
Anchorage	-	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Ye	es
2. Is the anchorage free of bent, broken, missing or loose hardware?	Ye	es
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Ye	es
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Ye	es

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2LT1565	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	·
Equipment Description: SERV WTR HEAD TNK 22 LEVEL	
 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.) Device is mounted on typical detail with a base plate of 8x10 instead of 6x8 and the anchor bolts are ½" instead of 3/8". Anchorage is consistent with drawing 66426 Sheet 003, which calls for a support detail similar to J103 (drawing 91004). The walkdown as-built this judged to be similar to J103. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Are overhead equipment, distribution systems, ceiling tiles and lighting, and 	Yes
masonry block walls not likely to collapse onto the equipment?	
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Other Adverse Conditions	Yes
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes

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Ssiemie Welkdown Chaek	int (SMC)			Status: Y N U
Seismic Walkdown Check				
Equipment ID No.:	2LT1565			
Equipment Class:	(20) Instrumentation ar	nd Control Panels and Cabin	nets	i Maria (andreas andreas andreas andreas)
Equipment Description:	SERV WTR HEAD TN	K 22 LEVEL		
Evaluated by:	anvannin A	. Karavoussianis	Date:	11/09/2012
toy	C. F	Figliolini		11/09/2012
Photos 2 SERVICE WATE 2LT15 LOWER ISOLAT 2HVSRW- 2HVSRW- 2HVSRW-	ION VALVE	2LT1565 8-9-12 169		

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2LT1565	
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets	
Equipment Description:	SERV WTR HEAD TNK 22 LEVEL	

2LT1565 8-9-12 172

2LT1565 8-9-12 171

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Seism	ic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 2LT4142	
	Equipment Class: (20) Instrumentation and Control Panels and Cab	inets
Ec	quipment Description: REFUEL WTR TNK 21 LEVEL	
	Project: CCNPP 2 SWEL	
Locatio	on (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-440	
	Manufacturer/Model:	
Instru	ctions for Completing Checklist	
on the	hecklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to ents and findings. Additional space is provided at the end of this checklis ents.	o record the results of
Ancho		
1.	Is anchorage configuration verification required (i.e., is the item one of t of SWEL items requiring such verification)?	he 50% 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 oxidati	on? 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? (N This question only applies if the item is one of the 50% for which an and configuration verification is required.) Anchorage is consistent with drawings 66862SH0003 and FSK-M-002	chorage
6.		Yes

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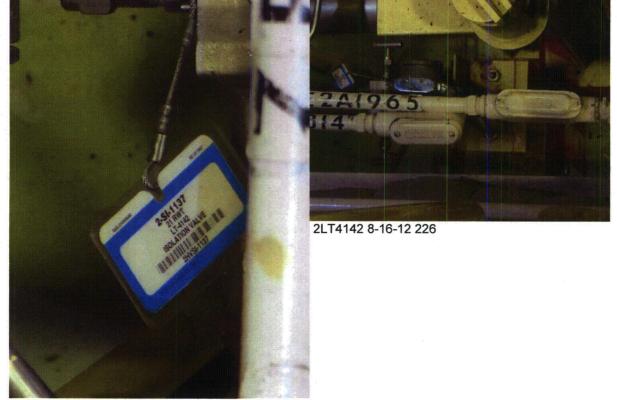
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Seism	ic Walkdown Checklist (SWC)	Status: Y	NU
	Equipment ID No.: 2LT4142		
	Equipment Class: (20) Instrumentation and Control Panels and Cabinets		
Ec	uipment Description: REFUEL WTR TNK 21 LEVEL		
Interac	ction Effects		-
7.	Are soft targets free 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? The overhead threaded fire piping is rod hung and rods are clamped to roof steel and is judged to be adequately supported and not a concern for spray or flooding.		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	ients		-
Evalua	ited by: A. Karavoussianis Date: 1	1/09/2012	-
	tout after		
	C. Figliolini 1	1/09/2012	
			_

Seismic Walkdown Checklist (SWC)

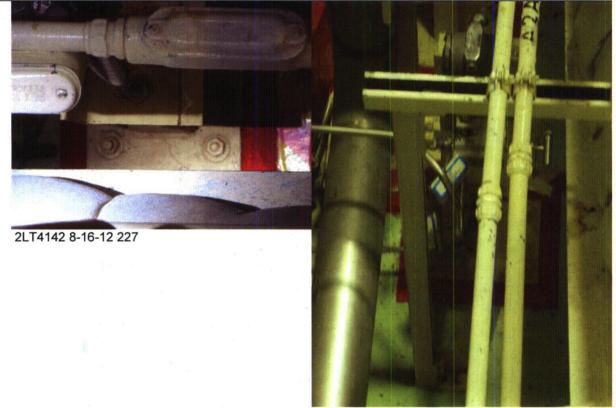
Equipment ID No.:	2LT4142
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	REFUEL WTR TNK 21 LEVEL



2LT4142 8-16-12 225

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2LT4142
Equipment Class:	(20) Instrumentation and Control Panels and Cabinets
Equipment Description:	REFUEL WTR TNK 21 LEVEL



2LT4142 8-16-12 228

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Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2M2AG03	
Equipment Class: (12) Air Compressors	
Equipment Description: 2A DG AIR COMPRESSOR	
Project: CCNPP 2 SWEL Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-422	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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 12310-0038 and FSK-C-370 Sheet 1. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y	NU
Equipment ID No.: 2M2AG03		
Equipment Class: (12) Air Compressors		
Equipment Description: 2A DG AIR COMPRESSOR		
Interaction Effects		
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? Compressor filter is directly under overhead light. 10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically accortable. 		Yes
and found seismically acceptable. 9. Do attached lines have adequate flexibility to avoid damage?		Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?		Yes
Other Adverse Conditions		
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?		Yes
Comments		
Evaluated by: A. Karavoussianis Date: 1	1/09/2012	
C. Figliolini 1	1/09/2012	

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Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2M2AG03	
Equipment Class:	(12) Air Compressors	
Equipment Description:	2A DG AIR COMPRESSOR	



2M2AG03 8-13-12 177

2M2AG03 8-13-12 178



2M2AG03 8-13-12 179



2M2AG03 8-13-12 180

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2M2AG03	
Equipment Class:	(12) Air Compressors	
	24 DC AIR COMPRESSOR	



2M2AG03 8-13-12 181

2M2AG03 8-13-12 182



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Status: Y	NU		
Seismic Walkdown Checklist (SWC)			
Equipment ID No.: 2MA412			
Equipment Class: (6) Vertical Pumps			
Equipment Description: 23 SW PUMP MTR			
Project: CCNPP 2 SWEL			
Location (Bldg, Elev, Room/Area): Intake, -7.00 ft, CAL-ISPR-INT2			
Manufacturer/Model:			
Instructions for Completing Checklist			
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.			
Anchorage			
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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 Appli Motor is bolted to steel.	cable		
 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.) Bolted by 8 x 1-1/2" F-F bolts heads. Anchorage is consistent with drawing 12315-07 and calculation CA01028. 	Yes		
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes		

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2MA412	
Equipment Class: (6) Vertical Pumps	
Equipment Description: 23 SW PUMP MTR	
Interaction 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 potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date: 11	1/09/2012
C. Figliolini 11	1/09/2012
Photos	·

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MA412	
Equipment Class:	(6) Vertical Pumps	





2MA412 8-16-12 149



2MA412 8-16-12 150

2MA412 8-16-12 146



2MA412 8-16-12 151

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MA412	
Equipment Class:	(6) Vertical Pumps	
Equipment Description	23 SW PLIMP MTR	



2MA412 8-16-12 152

2MA412 8-16-12 153



Status: Y	NU		
Seismic Walkdown Checklist (SWC)			
Equipment ID No.: 2MCC214R			
Equipment Class: (1) Motor Control Centers			
Equipment Description: 480V MCC214R			
Project: CCNPP 2 SWEL			
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-532			
Manufacturer/Model:	_		
Instructions for Completing Checklist			
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.			
Anchorage			
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	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.) MCC is welded to embedded steel by 3/16" fillet welds approximately 3" long at 20" centers. The embedded steel is a C6 channel in a concrete pad that is 7" high x 24-1/2" wide.	Yes		
 According to CCNPP personnel, the MCC is also unknown as MCC-2B004 and the walkdown noted panel 2P14 within the MCC. Anchorage is consistent with calculation CA02066 Section 21. Based on the above anchorage evaluations, is the anchorage free of 	Yes		

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Seism	ic Walkdown Checklist (SWC)	Status:	YNU
	Equipment ID No.: 2MCC214R		
	Equipment Class: (1) Motor Control Centers		
Ed	uipment Description: 480V MCC214R		
	potentially adverse seismic conditions?		
<u>Intera</u>	ction Effects		
7.	Are soft targets free from impact by nearby equipment or structures?		Yes
	There is a ladder behind the MCC that is tied at the top and properly		
	restrained, therefore judged not to be a seismic concern.		
8.	Are overhead equipment, distribution systems, ceiling tiles and lighting, and		Yes
0.	masonry block walls not likely to collapse onto the equipment?		100
	There are heaters that are 6' and 8' from MCC. Their valves have sufficient		
	gap approximately 2" from any impact hazard and the heaters have adequate		
9.	vertical support, therefore judged not to be a seismic concern. Do attached lines have adequate flexibility to avoid damage?		Yes
10.	Based on the above seismic interaction evaluations, is equipment free of		Yes
	potentially adverse seismic interaction effects?		
Other	Adverse Conditions		
11.	Have you looked for and found no adverse seismic conditions that could		No
	adversely affect the safety functions of the equipment?		
	Cabinet is inaccessible for internal inspection.		
Comm	nents		
Evolue	ited by: A. Karavoussianis Date: 1	1/09/2012	
	ited by: 17. Karavaunum A. Karavoussianis Date: 1	1109/2012	
	Tortage		
		1/09/2012	
	C. Figliolini 1	1/08/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MCC214R		
	Equipment Class:		P
	Equipment Description:	480V MCC214R	
00000/00			

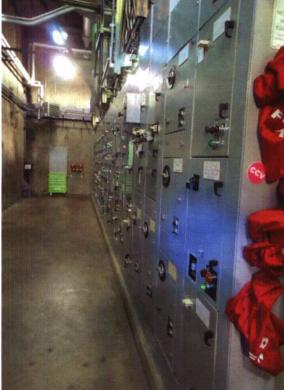


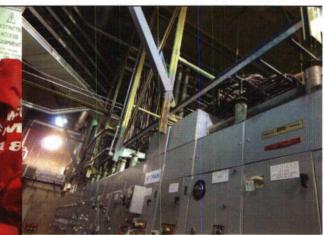
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2MCC214R

Equipment Class: (1) Motor Control Centers

Equipment Description: 480V MCC214R





2MCC214R 8-9-12 098

2MCC214R 8-9-12 097



2MCC214R 8-9-12 099

2MCC214R 8-9-12 100

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2MCC214R

Equipment Class: (1) Motor Control Centers

Equipment Description: 480V MCC214R



2MCC214R 8-9-12 101

2MCC214R 8-9-12 102

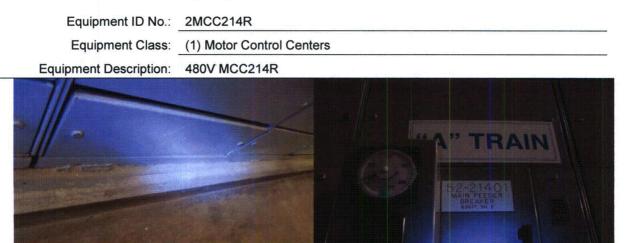


2MCC214R 8-9-12 103

2MCC214R 8-9-12 104

Seismic Walkdown Checklist (SWC)

2MCC214R 8-9-12 106



2MCC214R 8-9-12 108

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	Seismic Walkdown Checklist (SWC)	Status: Y N U
	Equipment ID No.: 2MOV4142OP	
	Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
-	Equipment Description: REFUELING WATER TANK DISCHARGE	
,	Project: CCNPP 2 SWEL	
	Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-440 Manufacturer/Model:	
_	Instructions for Completing Checklist	
	This checklist may be used to document the results of the Seismic Walkdown of an item of e on the SWEL. The space below each of the following questions may be used to record the r judgments and findings. Additional space is provided at the end of this checklist for docume comments.	results of
-	Anchorage	
	 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
	2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
	3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
	4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
	 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
	6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2MOV4142OP Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: REFUELING WATER TANK DISCHARGE	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
A scaffold brace is in direct contact with insulation padding. Judged that the brace will not adversary affect MOV, therefore not a seismic concern.	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? The overhead threaded fire piping with Victaulic coupling is suspended using clamps and is judged to be adequately supported and not a concern for spray or flooding.	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date: 1	11/09/2012
C. Figliolini	11/09/2012

<u>Photos</u>

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Status: Y N U

Seismic Walkdown Checkli	st (SWC)	Status: Y
Equipment ID No.:		
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description:	REFUELING WATER TANK DISCHARGE	
2-SI-414		

2MOV4142OP 8-16-12 230

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MOV4142OP	1
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	:
Equipment Description:	REFUELING WATER TANK DISCHARGE	



2MOV4142OP 8-16-12 231

2MOV4142OP 8-16-12 232

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MOV4142OP
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	REFUELING WATER TANK DISCHARGE



2MOV4142OP 8-16-12 233

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Si Seismic Walkdown Checklist (SWC)	tatus: YNU
Equipment ID No.: 2MOV4516 Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: 21 SG FW ISOL	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-309	<u></u>
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equi on the SWEL. The space below each of the following questions may be used to record the result judgments and findings. Additional space is provided at the end of this checklist for documentin comments.	ults of
Anchorage	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applicable
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

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Sciencia Walkdown Chaekliet (SWC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2MOV4516	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: 21 SG FW ISOL Interaction 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? Flex conduit is supported on a frame that is anchored to the ceiling. Flex has adequate flexibility therefore not a seismic concern.	Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Yes
Other Adverse Conditions	<u> </u>
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	Yes
Comments	
Evaluated by: A. Karavoussianis Date: 1	11/09/2012
C. Figliolini	11/09/2012

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Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MOV4516
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	21 SG FW ISOL



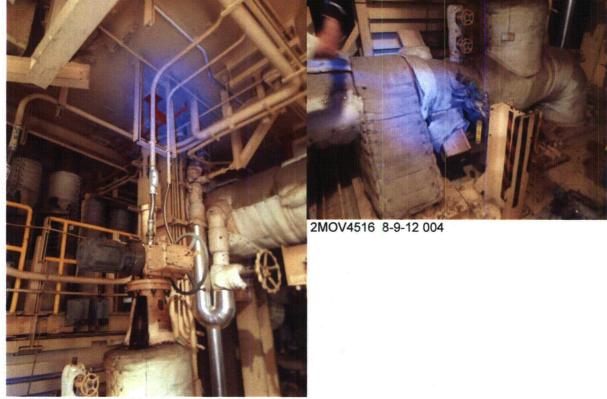
2MOV4516 8-9-12 001



2MOV4516 8-9-12 002

Seismic Walkdown Checklist (SWC)

Equipment ID No.:	2MOV4516
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves
Equipment Description:	21 SG FW ISOL



2MOV4516 8-9-12 003