Status: Y [Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2RY2Y03A/64/B23	
Equipment Class: (16) Inverters	
Equipment Description: 2Y03 INVERTER	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-302	
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)? 	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 84195 SH0002 Rev. 0. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Calc C-94-003 verify	Yes

	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2RY2Y03A/64/B23	
Equipment Class: (16) Inverters	· ·
Equipment Description: 2Y03 INVERTER	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
There is a 3/8" gap to 2K01 and 2Y03 Evaluated using 8 Hz frequency for cabinets 2% Damping Ratio, 1.5 PF Response Spectrum AB027D2N.dat A+0.25g D= 0.2*386*1.5*2 + 0.11" < 3/8" ok	
(8x2x3.14)^2	
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Yes
 Do attached lines have adequate flexibility to avoid damage? 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? Cabinet is inaccessible for internal inspection.	No
Comments	
Evaluated by: A. Karavoussianis Date: 1	1/09/2012
C. Figliolini 1	1/09/2012

Status: Y N U

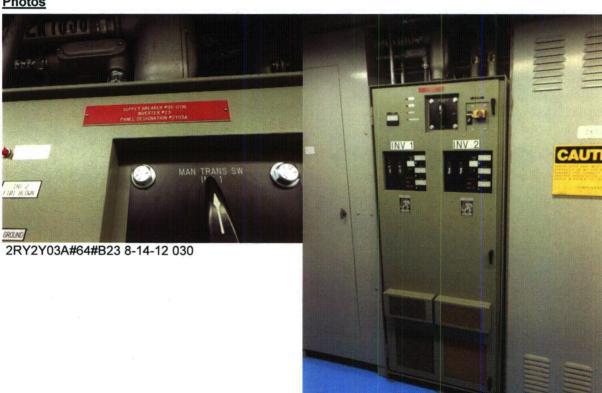
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RY2Y03A/64/B23

Equipment Class: (16) Inverters

Equipment Description: 2Y03 INVERTER

Photos



Status: Y N U

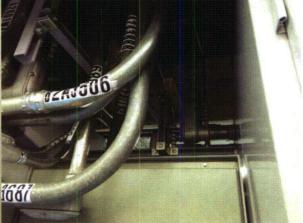
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RY2Y03A/64/B23

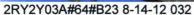
Equipment Class: (16) Inverters

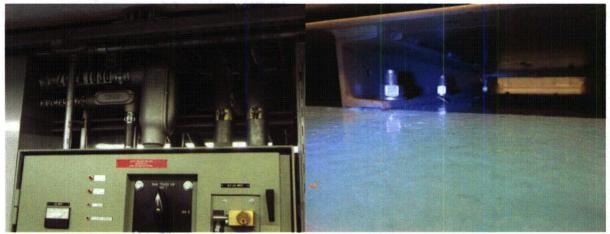
Equipment Description: 2Y03 INVERTER





2RY2Y03A#64#B23 8-14-12 033





2RY2Y03A#64#B23 8-14-12 034

2RY2Y03A#64#B23 8-14-12 035

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RY2Y03A/64/B23

Equipment Class: (16) Inverters

Equipment Description: 2Y03 INVERTER



2RY2Y03A#64#B23 8-14-12 036

Status: Y Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2RY51G/T21A	
Equipment Class: (0) Other	
Equipment Description: 480V SERV XFMR U-440-21A GROUND RELAY	
Project: CCNPP 2 SWEL	-
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-311	
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)? Relay on 2BUS2B01A - anchorage is inaccessible 	Yes
2. Is the anchorage free of bent, broken, missing or loose hardware?	No
Anchorage is inaccessible.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	No
Anchorage is inaccessible.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	No
Anchorage is inaccessible.	
 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 inaccessible. 	No
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Anchorage is inaccessible.	No

WALKDOWN CHECKLISTS

Seismic Walkdown Checklist (SWC)	Status: `	Y N U
Equipment ID No.: 2RY51G/T21A		
Equipment Class: (0) Other		_
Equipment Description: 480V SERV XFMR U-440-21A GROUND RELAY		_
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
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	
Total and a second a second and		
C. Figliolini	11/09/2012	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RY51G/T21A

Equipment Class: (0) Other

Equipment Description: 480V SERV XFMR U-440-21A GROUND RELAY



Seismic Walkdown Check	list (SWC)	Status: Y N U
Equipment ID No.:	2RY51G/T21B	
Equipment Class:		
Equipment Description:		
	Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/	/Area): AUX, 27.00 ft, CAL-AB-311	
Manufacturer/l	Model:	
Instructions for Completin	ng Checklist	
on the SWEL. The space b	to document the results of the Seismic Walkdown of an item of elow each of the following questions may be used to record the ditional space is provided at the end of this checklist for documents.	results of
<u>Anchorage</u>		
of SWEL items requ	uration verification required (i.e., is the item one of the 50% uiring such verification)? 01B - anchorage is inaccessible	No
2. Is the anchorage fre	ee of bent, broken, missing or loose hardware?	No
Anchorage is inac	cessible.	
3. Is the anchorage fre	ee of corrosion that is more than mild surface oxidation?	No
Anchorage is inacc	cessible.	
4. Is the anchorage fre	ee of visible cracks in the concrete near the anchors?	No
Anchorage is inacc	cessible.	
_	infiguration consistent with plant documentation? (Note: applies if the item is one of the 50% for which an anchorage ation is required.)	Not Applicable
6. Based on the above potentially adverse s		No

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2RY51G/T21B	
Equipment Class: (0) Other	
Equipment Description: 480V SERV XFMR U-440-21B GROUND RELAY	
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	Yes
adversely affect the safety functions of the equipment? Comments	
Evaluated by: A. Karavoussianis Date: 11/0	09/2012
C. Figliolini 11/0	09/2012
<u>Photos</u>	

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RY51G/T21B

Equipment Class: (0) Other

Equipment Description: 480V SERV XFMR U-440-21B GROUND RELAY



2RY51G#T21B 8-15-12 162

Status: Y Seismic Walkdown Checklist (SWC)	' N U
Equipment ID No.: 2RYRPS-K1	
Equipment Class: (18) Instruments on Racks	_
Equipment Description: AUTO RX TRIP K1 RELAY	-
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 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)? Part of the 2C15 alignment of cabinets 	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.) The rear of the cabinet is anchored by a 13/16" F-F CEA through a clip angle, this detail is not shown on the drawing. Need to review A-46 or other anchorage documentation for reconciliation. CR-2012-009775	No
The SRT was not able to see front anchorage due to cables.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No

Caiomia Malkdown Chasklist (CMC)	Status: Y N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2RYRPS-K1	
Equipment Class: (18) Instruments on Racks	
Equipment Description: AUTO RX TRIP K1 RELAY	
Interaction Effects 7. Are soft targets free from impact by pearby equipment or structures?	Yes
7. Are soft targets free from impact by nearby equipment or structures?	res
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Observed a drep politing and light diffusor politing.	Yes
Observed a drop ceiling and light diffuser ceiling. 10/3/12 - The control room ceiling has been previously evaluated by CCNPP	
and was determined to not be a credible seismic concern.	
Masonry block walls, identified as H and P on drawing A-259, are safety- related and thus seismically rated per IE Bulletin 80-11.	
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	
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 Karayoussianis Date:	
Evaluated by: A. Karavoussianis Date:	11/09/2012

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RYRPS-K1

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K1 RELAY

C. Figliolini

11/09/2012

Photos



2RYRPS-K1 8-14-12 179

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RYRPS-K1

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K1 RELAY





2RYRPS-K1 8-14-12 182

2RYRPS-K1 8-14-12 181



2RYRPS-K1 8-14-12 183

2RYRPS-K1 8-14-12 184

WALKDOWN CHECKLISTS

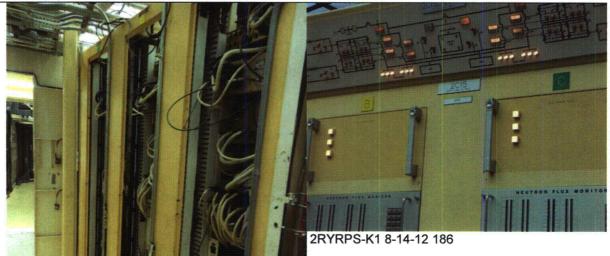
Status: Y N U

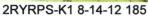
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RYRPS-K1

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K1 RELAY







2RYRPS-K1 8-14-12 187

Status: Y Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2RYRPS-K4	
Equipment Class: (18) Instruments on Racks	
Equipment Description: AUTO RX TRIP K4 RELAY	
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 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)? Part of the 2C15 alignment of cabinets 	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.) The rear of the cabinet is anchored by a 13/16" F-F CEA through a clip angle,	No
this detail is not shown on the drawing. Need to review A-46 or other anchorage documentation for reconciliation. CR-2012-009775	
The SRT was not able to see front anchorage due to cables. 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2RYRPS-K4	
Equipment Class: (18) Instruments on Racks	
Equipment Description: AUTO RX TRIP K4 RELAY	
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, masonry block walls not likely to collapse onto the equipment? Observed a drop ceiling and light diffuser ceiling. 10/3/12 - The control room ceiling has been previously evaluated by CC and was determined to not be a credible seismic concern.	
 Masonry block walls, identified as H and P on drawing A-259, are safety related and thus seismically rated per IE Bulletin 80-11. 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?	ıf 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?	I Yes
Comments	
Evaluated by: A. Karavoussianis	Date: 11/09/2012

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

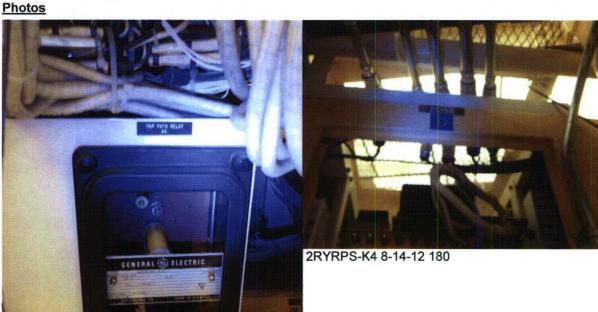
Equipment ID No.: 2RYRPS-K4

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K4 RELAY

C. Figliolini

11/09/2012



2RYRPS-K4 8-14-12 179

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RYRPS-K4

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K4 RELAY



2RYRPS-K4 8-14-12 181



2RYRPS-K4 8-14-12 183

2RYRPS-K4 8-14-12 184

WALKDOWN CHECKLISTS

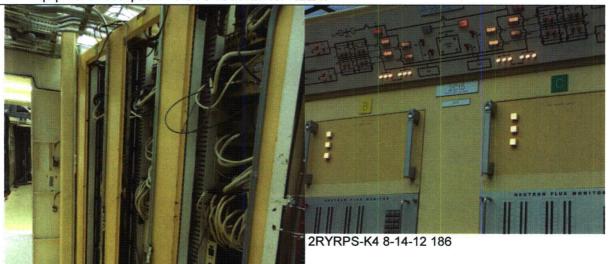
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2RYRPS-K4

Equipment Class: (18) Instruments on Racks

Equipment Description: AUTO RX TRIP K4 RELAY







2RYRPS-K4 8-14-12 187

Status: Y N Seismic Walkdown Checklist (SWC)	L
Equipment ID No.: 2SV3986	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	
Equipment Description: AUX FEED PMP TURBINE 21 TRIP	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): TURB, 12.00 ft, CAL-AFWPR-605	
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
Is the anchorage free of bent, broken, missing or loose hardware? Not Applicate	ble
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicate	ble
Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicate	ble
5. Is the anchorage configuration consistent with plant documentation? (Note: Not Applicat This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	ble
Based on the above anchorage evaluations, is the anchorage free of yotentially adverse seismic conditions?	es/

		Status: Y N U
Seismic Walkdown Checkli		
Equipment ID No.:	2SV3986	
Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves	n , ,
Equipment Description:	AUX FEED PMP TURBINE 21 TRIP	/
Interaction Effects		
7. Are soft targets free	rom impact by nearby equipment or structures?	Yes
•		
masonry block walls Light, if not 2/1, ma	nent, distribution systems, ceiling tiles and lighting, and not likely to collapse onto the equipment? I fall and strike equipment. I ghts were deemed not a credible seismic concern due to	Yes
their lightweight and	to typical construction practices. Also, they have been by CCNPP and found seismically acceptable.	o
seismic concern.	ure is in contact with the insulation pad, judged not a	
9. Do attached lines ha	ve adequate flexibility to avoid damage?	Yes
Flex conduit judged	to have adequate flexibility.	
	seismic interaction evaluations, is equipment free of eismic interaction effects?	Yes
Other Adverse Conditions		
	and found no adverse seismic conditions that could cafety functions of the equipment?	Yes
<u>Comments</u>		
Evaluated by:	A. Karavoussianis Da	re: _11/09/2012
fig	Topic -	
, 0	C. Figliolini	11/09/2012

Status: Y N U

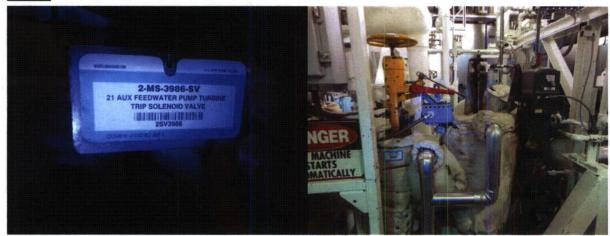
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV3986

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

Equipment Description: AUX FEED PMP TURBINE 21 TRIP

Photos



2SV3986 8-10-12 053

2SV3986 8-10-12 054



2SV3986 8-10-12 055



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV3986

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

Equipment Description: AUX FEED PMP TURBINE 21 TRIP

2SV3986 8-10-12 056



2SV3986 8-10-12 057

Seismic Walkdown Checklist (SWC)	tatus: Y	N L
Equipment ID No.: 2SV5149		
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves		
Equipment Description: SALT WTR EMERG OUT		
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 equion the SWEL. The space below each of the following questions may be used to record the resigning purpose and findings. Additional space is provided at the end of this checklist for documenting comments.	ults of	
Anchorage		
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Solenoid on 2CV5149. 		No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Not Appli	cable
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Not Applie	cable
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Not Applie	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.) 	Not Appli	cable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?		Yes

Status: Y Seismic Walkdown Checklist (SWC)] N U
Equipment ID No.: 2SV5149	
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves	•
Equipment Description: SALT WTR EMERG OUT	-
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: 11/09/2012	
C. Figliolini 11/09/2012	
<u>Photos</u>	_

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5149

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

Equipment Description: SALT WTR EMERG OUT



2SV5149 8-16-12 162

2SV5149 8-16-12 163



2SV5149 8-16-12 165

2SV5149 8-16-12 164

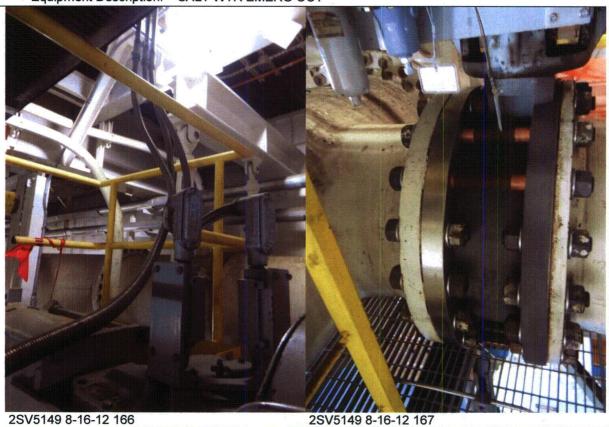
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5149

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

Equipment Description: SALT WTR EMERG OUT



2SV5149 8-16-12 166



2SV5149 8-16-12 168

2SV5149 8-16-12 169

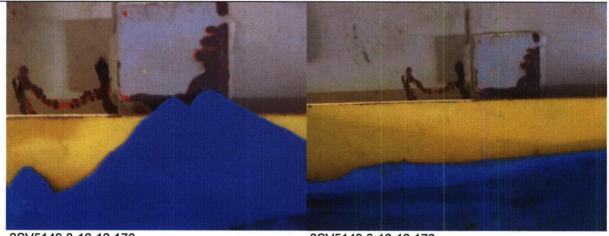
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5149

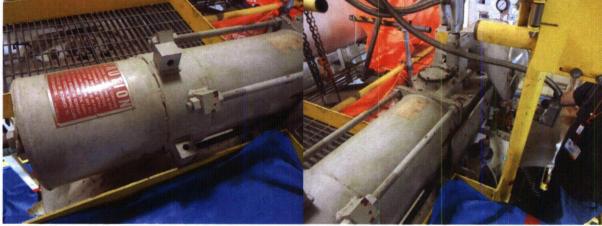
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SALT WTR EMERG OUT



2SV5149 8-16-12 170

2SV5149 8-16-12 172



2SV5149 8-16-12 173

2SV5149 8-16-12 174

Seismic Walkdown Checklist (SV	VC)	Status: Y N
Equipment ID No.: 2SV		
• •	Motor-Operated and Solenoid-Operated Valves	
• •	MT PRESS XMITTERS CHAN A	
<u> </u>	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):		
Manufacturer/Model:		
Instructions for Completing Che	cklist	
on the SWEL. The space below ea	ment the results of the Seismic Walkdown of an item of e ach of the following questions may be used to record the r I space is provided at the end of this checklist for docume	esults of
<u>Anchorage</u>		
 Is anchorage configuration of SWEL items requiring st 	verification required (i.e., is the item one of the 50% uch verification)?	No
2. Is the anchorage free of be	ent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	prrosion that is more than mild surface oxidation?	Not Applicable
.4. Is the anchorage free of vis	sible cracks in the concrete near the anchors?	Not Applicable
	tion consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
Based on the above ancho potentially adverse seismic	orage evaluations, is the anchorage free of conditions?	Yes

				Status: Y	ט א 🖸
Seism	ic Walkdown Checkli	et (SWC)			
	Equipment ID No.:	2SV5313A			_
	Equipment Class:	(8) Motor-Operated and Solenoid-Operated Valves			-
_	quipment Description:	CNTMT PRESS XMITTERS CHAN A			_
_	ction Effects				
7.	Are soft targets free t	rom impact by nearby equipment or structures?			Yes
8.	masonry block walls Observed a drain pi	ent, distribution systems, ceiling tiles and lighting, an not likely to collapse onto the equipment? oing system with Victaulic coupling directly above SV lly empty and therefore judged not to be a credible			Yes
9.	Do attached lines have	e adequate flexibility to avoid damage?			No
		to containment is resting on an angle iron stanchion the outside wall, but not supported. CR-2012-00962	26 .		
10.		seismic interaction evaluations, is equipment free of eismic interaction effects?		·	Yes
Other	Adverse Conditions				
11.	Have you looked for	and found no adverse seismic conditions that could afety functions of the equipment?			Yes
Comm	<u>nents</u>				
Evalua	ated by: A. M.	A. Karavoussianis	Date:	11/09/2012	
		C. Figliolini		11/09/2012	
Photo	<u> </u>				

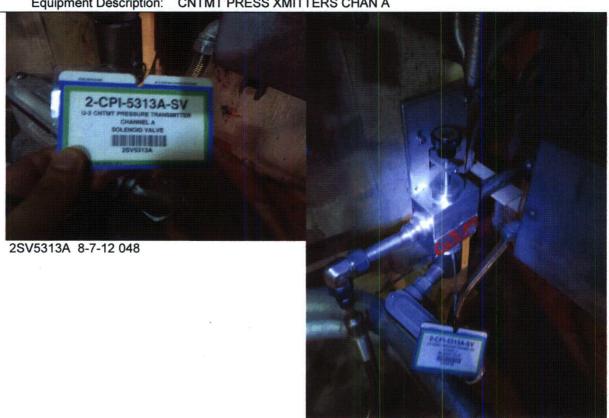
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5313A

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

Equipment Description: CNTMT PRESS XMITTERS CHAN A



2SV5313A 8-7-12 050

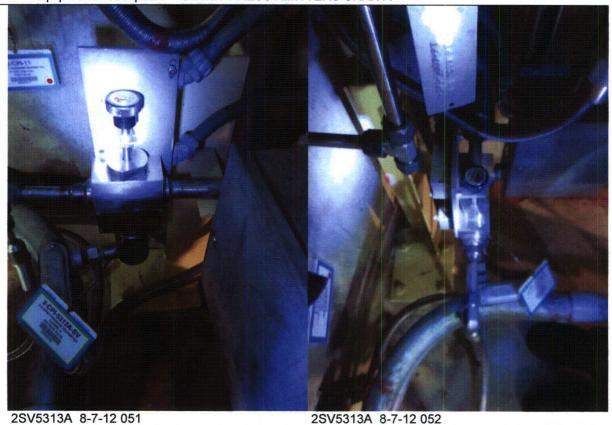
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5313A

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

Equipment Description: CNTMT PRESS XMITTERS CHAN A



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2SV5313A

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

Equipment Description: CNTMT PRESS XMITTERS CHAN A



2SV5313A 8-7-12 053

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 2TCV5426-1	
Equipment Class: (0) Other	
Equipment Description: 21 SWGR HVAC CKT1 THERMAL EXPANSION VALVE	
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)? 	0
Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable	е
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable	е
Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable	е
 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.) 	е
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	s

WALKDOWN CHECKLISTS

Seismic Walkdown Checklist (SWC)	Status: Y	N U
Equipment ID No.: 2TCV5426-1		
Equipment Class: (0) Other	-	
Equipment Description: 21 SWGR HVAC CKT1 THERMAL EXPANSION VALVE		
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? There is a seismic scaffold nearby, not a seismic concern.		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		•
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	
Finish Controlled to the Contr	1/00/2012	
C. Figliolini 1	1/09/2012	

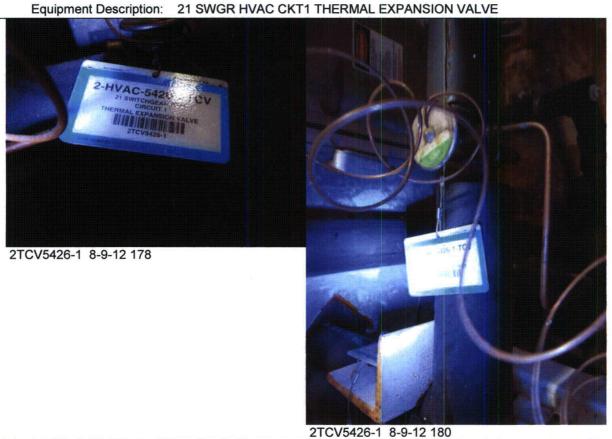
Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TCV5426-1

Equipment Class: (0) Other



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TCV5426-1

Equipment Class: (0) Other

Equipment Description: 21 SWGR HVAC CKT1 THERMAL EXPANSION VALVE



2TCV5426-1 8-9-12 181

Status: [Seismic Walkdown Checklist (SWC)	Y N L
Equipment ID No.: 2TK4780	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 2A DG LUBE OIL DAY TANK	<u>. · · </u>
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.	r
<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
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 61988 and 12310-0056. 	Yes
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Sojemic Walke	lown Checklist (SWC)	Status: Y N U
, ,	ment ID No.: 2TK4780	
Equip	oment Class: (21) Tanks and Heat Exchangers	
Equipment	Description: 2A DG LUBE OIL DAY TANK	
Interaction Eff		
7. Are sof	t targets free from impact by nearby equipment or structures?	Yes
	nry block wall, identified as A24 on drawing A-259, is safety-related and ismically rated per IE Bulletin 80-11.	
	erhead equipment, distribution systems, ceiling tiles and lighting, and by block walls not likely to collapse onto the equipment?	Yes
9. Do atta	ched lines have adequate flexibility to avoid damage?	Yes
	on the above seismic interaction evaluations, is equipment free of ally adverse seismic interaction effects?	Yes
Other Adverse	Conditions	·
11. Have y adverse <i>There</i>	ou looked for and found no adverse seismic conditions that could ely affect the safety functions of the equipment? is piping between support steel and grating. However, negligible tial motion expected therefore judged not a seismic concern.	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 1	1/09/2012
	C. Figliolini 1	1/09/2012

<u>Photos</u>

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TK4780

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG LUBE OIL DAY TANK



2TK4780 8-13-12 183

2TK4780 8-13-12 184



2TK4780 8-13-12 186

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TK4780

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG LUBE OIL DAY TANK



2TK4780 8-13-12 187

2TK4780 8-13-12 188



2TK4780 8-13-12 189

2TK4780 8-13-12 190

Status: Y 🚺	ו [ע
Seismic Walkdown Checklist (SWC)	<u>.</u>
Equipment ID No.: 2TK4802	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 2A DG JACKET WATER EXPANSION TANK	
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.	
<u>Anchorage</u>	
 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?	No
Two bottom headed studs are not engaged, top 4 headed studs are engaged. Need to evaluate. CR-2012-009759	
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	:able
This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
Based on the above anchorage evaluations, is the anchorage free of	No
potentially adverse seismic conditions?	140

Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 2TK4802	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 2A DG JACKET WATER EXPANSION TANK	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Yes	s
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	s
9. Do attached lines have adequate flexibility to avoid damage? Yes	s
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	s
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment?	S
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.: 2TK4802

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG JACKET WATER EXPANSION TANK



2TK4802 8-13-12 191



WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TK4802

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG JACKET WATER EXPANSION TANK



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TK4802

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A DG JACKET WATER EXPANSION TANK



2TK4802 8-13-12 197

Status: Y Seismic Walkdown Checklist (SWC)	Νt
Equipment ID No.: 2TKBAST21	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: 21 BORIC ACID STORAGE TANK	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-215	
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
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
Observed slight hairline crack in the concrete pad, but the crack does not reach bolt, therefore judged not to be a concern.	
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applied This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	cable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdow	vn Checklist (SWC)	Status: Y N U
Equipmer	nt ID No.: 2TKBAST21	
	ent Class: (21) Tanks and Heat Exchangers	<u> </u>
Equipment Des	escription: 21 BORIC ACID STORAGE TANK	
Interaction Effects	<u>s</u>	
7. Are soft tar	rgets 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
9. Do attache	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 Co	anditions	
11. Have you le	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 1	11/09/2012
	C. Figliolini 1	11/09/2012

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKBAST21

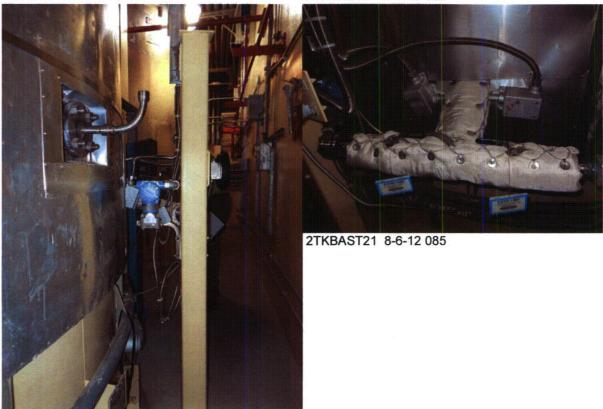
Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 21 BORIC ACID STORAGE TANK



2TKBAST21 8-6-12 081

2TKBAST21 8-6-12 083



2TKBAST21 8-6-12 084

Status: Y N U

Seismic Walkdown Checklist (SWC)

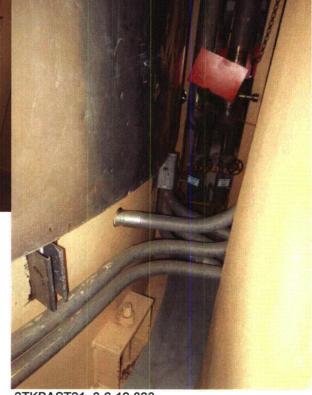
Equipment ID No.: 2TKBAST21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 21 BORIC ACID STORAGE TANK



2TKBAST21 8-6-12 086



2TKBAST21 8-6-12 088

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKBAST21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 21 BORIC ACID STORAGE TANK



2TKBAST21 8-6-12 089



2TKBAST21 8-6-12 090

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKBAST21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 21 BORIC ACID STORAGE TANK





2TKBAST21 8-6-12 092

2TKBAST21 8-6-12 091



2TKBAST21 8-6-12 093

2TKBAST21 8-6-12 095

Status: Seismic Walkdown Checklist (SWC)	Y N C
Equipment ID No.: 2TKCCHT21	_
Equipment Class: (21) Tanks and Heat Exchangers Fourier Properties: COMPONENT COOLER USAR TANK	_
Equipment Description: COMPONENT COOLER HEAD TANK	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-527 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>	
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
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 FSK-C-0384. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdow	n Checkli	et (SWC)		Status: Y N L	J
		2TKCCHT21			
		(21) Tanks and Heat Exchangers			
		COMPONENT COOLER HEAD TANK			
Interaction Effect	<u> </u>		• •		
		rom impact by nearby equipment or structures?	?	Yes	
masonry b Masonry related and Observed the area.	lock walls block wall d thus seis a tool cart Although t ient mass	ent, distribution systems, ceiling tiles and lightinot likely to collapse onto the equipment?, identified as PP and A2 on drawing A-260, armically rated per IE Bulletin 80-11. On rollers. Looks like there was work being perfect is is not good housekeeping practice, the cart to be a seismic concern for the tank, therefore process.	re safety- formed in does not	Yes	,
		e adequate flexibility to avoid damage?		Yes	
		eismic interaction evaluations, is equipment from interaction effects?	ee of	Yes	i
Other Adverse Co					
_	ooked for	and found no adverse seismic conditions that cafety functions of the equipment?	ould	Yes	1
Comments				-	
Evaluated by:	A. K	A. Karavoussianis	Date:	11/09/2012	
	tig	a final a series of the series			
	_/0	C. Figliolini		11/09/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKCCHT21

Equipment Class: (21) Tanks and Heat Exchangers

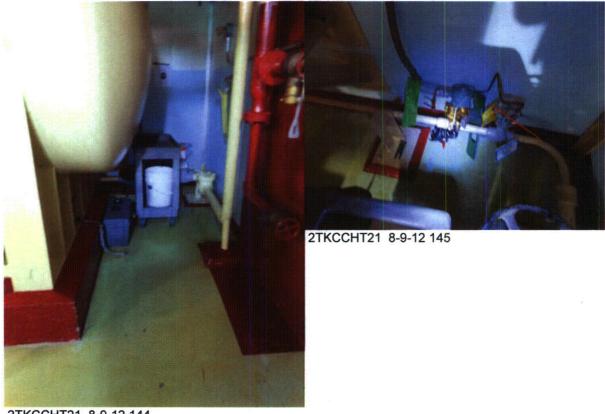
Equipment Description: COMPONENT COOLER HEAD TANK

Photos



2TKCCHT21 8-9-12 142

2TKCCHT21 8-9-12 143



WALKDOWN CHECKLISTS

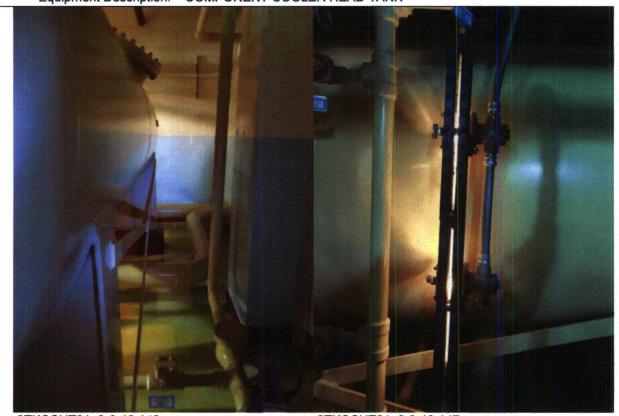
Status: Y N

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKCCHT21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLER HEAD TANK



2TKCCHT21 8-9-12 147

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKCCHT21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLER HEAD TANK



2TKCCHT21 8-9-12 148



Seismic Walkdown Checklist (SWC)	(N L
Equipment ID No.: 2TKRWT21	
Equipment Class: (21) Tanks and Heat Exchangers	_
Equipment Description: REFUELING WATER TANK 21	_
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 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)? 	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
Approximately 6 bolts are showing signs of corrosion to the bolt shaft. CR-2012-008380	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	No
There are 6 to 7 visible cracks and a couple of crack look like they go down along the foundation. CR-2012-009629	
 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 12329B-0001. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	No

WALKDOWN CHECKLISTS

Seismic Walkdown	Status: Checklist (SWC)	YNU
Equipment I	D No.: 2TKRWT21	
Equipment	Class: (21) Tanks and Heat Exchangers	
Equipment Desc	ription: REFUELING WATER TANK 21	
Interaction Effects		
7. Are soft targe	ets free from impact by nearby equipment or structures?	Yes
masonry bloo Threaded fi clamps off ro	I equipment, distribution systems, ceiling tiles and lighting, and ck walls not likely to collapse onto the equipment? The piping with Victaulic couplings, rod hung and supported by of steel. The overhead threaded fire piping is judged to be supported and not a seismic concern.	Yes
9. Do attached	lines have adequate flexibility to avoid damage?	Yes
	above seismic interaction evaluations, is equipment free of liverse seismic interaction effects?	Yes
Other Adverse Cond	ditions	
_	ked for and found no adverse seismic conditions that could ect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11/09/2012	
_	C. Figliolini 11/09/2012	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

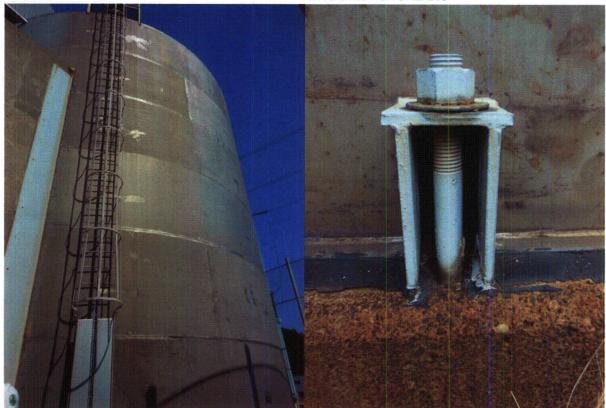
Equipment ID No.: 2TKRWT21

Equipment Class: (21) Tanks and Heat Exchangers



2TKRWT21 8-16-12 214

2TKRWT21 8-16-12 215



2TKRWT21 8-16-12 216

2TKRWT21 8-16-12 217

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKRWT21

Equipment Class: (21) Tanks and Heat Exchangers



2TKRWT21 8-16-12 218

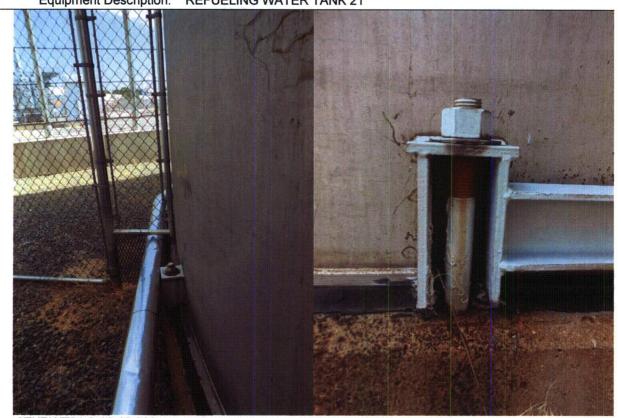
2TKRWT21 8-16-12 219

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKRWT21

Equipment Class: (21) Tanks and Heat Exchangers



2TKRWT21 8-16-12 221

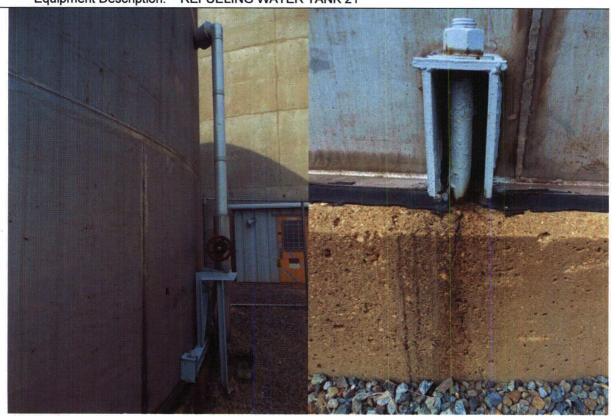
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKRWT21

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: REFUELING WATER TANK 21



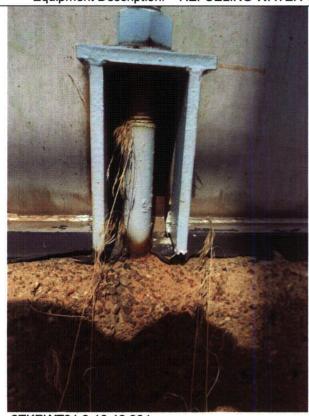
2TKRWT21 8-16-12 222

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKRWT21

Equipment Class: (21) Tanks and Heat Exchangers



2TKRWT21 8-16-12 224

Status: Y Seismic Walkdown Checklist (SWC)] N U
Equipment ID No.: 2TKSRWHD21	
Equipment Class: (21) Tanks and Heat Exchangers	
Equipment Description: SERVICE WATER HEAD TANK 21	,
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.	_
<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 drawing FSK-C-0384. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2TKSRWHD21	
Equipment Class: (21) Tanks and Heat Exchangers	-
Equipment Description: SERVICE WATER HEAD TANK 21	.
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
Tank sight glass has 4" gap to adjacent tank component, judged 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?	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	-
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
Total finds	
C. Figliolini 1	1/09/2012

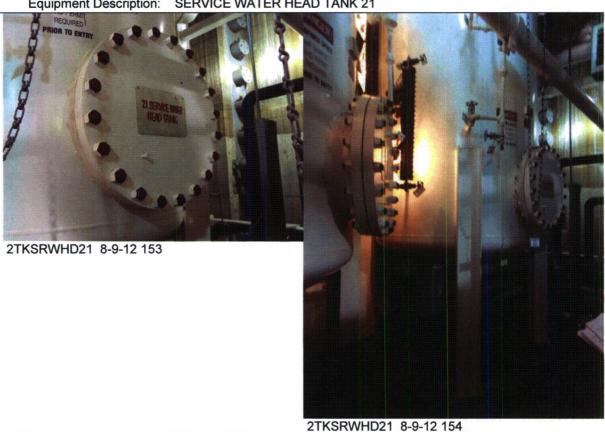
<u>Photos</u>

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKSRWHD21

Equipment Class: (21) Tanks and Heat Exchangers



WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKSRWHD21

Equipment Class: (21) Tanks and Heat Exchangers



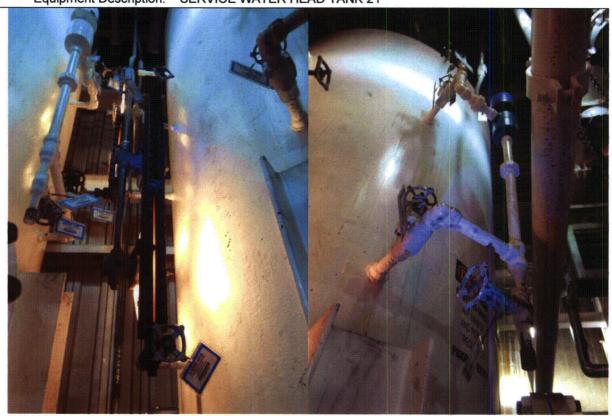
2TKSRWHD21 8-9-12 155

Status: Y N U

Seismic Walkdown Checklist (SWC)

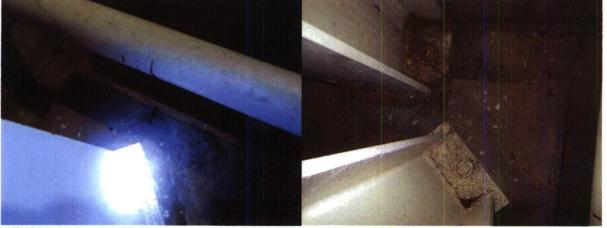
Equipment ID No.: 2TKSRWHD21

Equipment Class: (21) Tanks and Heat Exchangers



2TKSRWHD21 8-9-12 157

2TKSRWHD21 8-9-12 158



2TKSRWHD21 8-9-12 159

2TKSRWHD21 8-9-12 161

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2TKSRWHD21

Equipment Class: (21) Tanks and Heat Exchangers



2TKSRWHD21 8-9-12 162

2TKSRWHD21 8-9-12 163



2TKSRWHD21 8-9-12 164

2TKSRWHD21 8-9-12 165

Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2XU-440-24A	
Equipment Class: (4) Transformers	
Equipment Description: 480V XFMR U-440-24A	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-407	
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)? 	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.) Walkdown anchorage as-built is consistent with calculation CA02066 pg. 27-3 that shows a minimum 3/16 " fillet weld of 3.24" length on 3 corners.	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Calc. CA02066 pg. 27-4 length of 3/16 " fillet weld required is 3.24" on 3 of 4 corners which is smaller than the as-built weld observed.	Yes

WALKDOWN CHECKLISTS

Seismic Walko	Startdown Checklist (SWC)	tus: Y N U
Equip	ment ID No.: 2XU-440-24A	
	oment Class: (4) Transformers	
Equipment	t Description: 480V XFMR U-440-24A	
Interaction Eff	fects	
7. Are sof	ft targets free from impact by nearby equipment or structures?	Yes
	erhead equipment, distribution systems, ceiling tiles and lighting, and ry block walls not likely to collapse onto the equipment?	Yes
9. Do atta	ached lines have adequate flexibility to avoid damage?	Yes
	on the above seismic interaction evaluations, is equipment free of ally adverse seismic interaction effects?	Yes
Other Adverse	Conditions	
11. Have y	ou looked for and found no adverse seismic conditions that could ely affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11/09/2	012
	for father	
	C. Figliolini 11/09/2	012

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2XU-440-24A

Equipment Class: (4) Transformers

Equipment Description: 480V XFMR U-440-24A



2XU-440-24A 8-15-12 165



2XU-440-24A 8-15-12 166

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2XU-440-24A

Equipment Class: (4) Transformers

Equipment Description: 480V XFMR U-440-24A



2XU-440-24A 8-15-12 167

2XU-440-24A 8-15-12 168

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2XU-440-24A

Equipment Class: (4) Transformers

Equipment Description: 480V XFMR U-440-24A



2XU-440-24A 8-15-12 169



2XU-440-24A 8-15-12 171