Status: Y	N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No.: 2COMPSWAC22B	
Equipment Class: (12) Air Compressors	
Equipment Description: 22 SW AIR COMP B	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-205	_
Manufacturer/Model:	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.	
<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
Is the anchorage free of visible cracks in the concrete near the anchors? Not Appli	icable
 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 61962 Sht. 2. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Sajamia Walkdown	Chacklist (SMC)	Status: Y	N U
Seismic Walkdown			
• •	ID No.: 2COMPSWAC22B		
	t Class: (12) Air Compressors		
	cription: 22 SW AIR COMP B		
Interaction Effects Are soft target	jets free from impact by nearby equipment or structures?		Yes
7. Ale soit tary	ets free from impact by frearby equipment of structures?		165
	ad equipment, distribution systems, ceiling tiles and lighting, and ock walls not likely to collapse onto the equipment?		Yes
9. Do attached	l lines have adequate flexibility to avoid damage?		Yes
	e above seismic interaction evaluations, is equipment free of dverse seismic interaction effects?		Yes
Other Adverse Con	ditions		
•	oked for and found no adverse seismic conditions that could fect the safety functions of the equipment?		Yes
<u>Comments</u>			
	<i>/</i> / <i>/ / / / / / / / /</i>		
Evaluated by:	A. Karavoussianis Date: 1	1/09/2012	
-	C. Figliolini 1	1/09/2012	

Photos

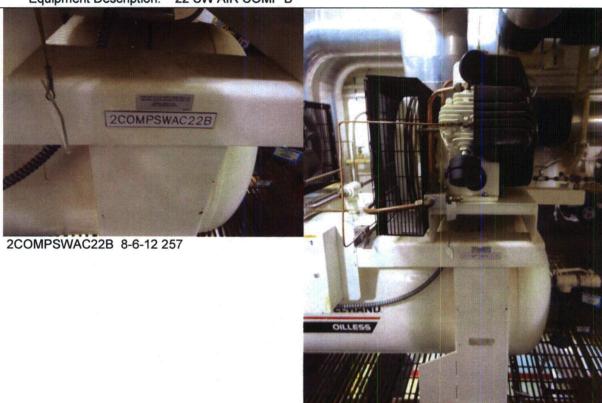
Status: Y N U

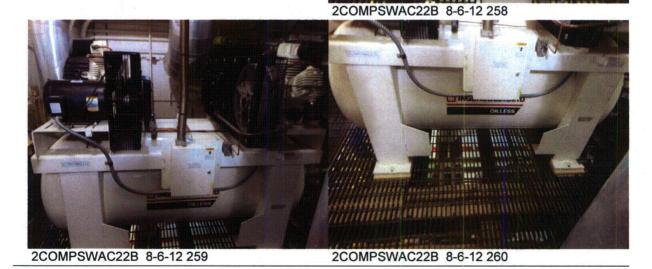
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2COMPSWAC22B

Equipment Class: (12) Air Compressors

Equipment Description: 22 SW AIR COMP B





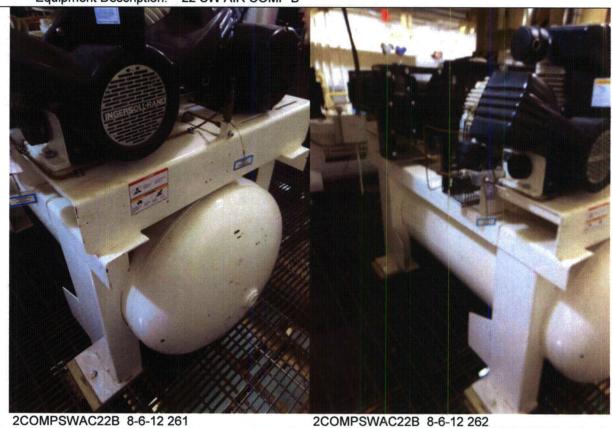
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2COMPSWAC22B

Equipment Class: (12) Air Compressors

Equipment Description: 22 SW AIR COMP B



Status: Y N U

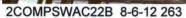
Seismic Walkdown Checklist (SWC)

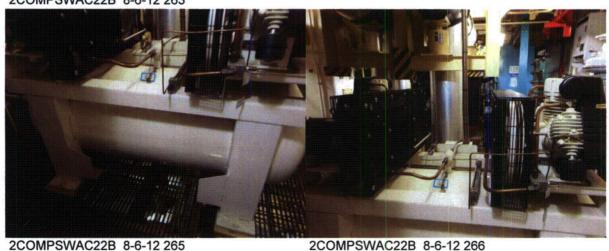
Equipment ID No.: 2COMPSWAC22B

Equipment Class: (12) Air Compressors

Equipment Description: 22 SW AIR COMP B







2COMPSWAC22B 8-6-12 266

Seismic Walkdown Checklist (SV	VC)	Status: Y N U
Equipment ID No.: 2CV		
Equipment Class: (7) F		
	AC NORM INLET	
	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	AUX, 27.00 ft, CAL-AB-310	
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 space is provided at the end of this checklist for docume	esults of
Anchorage		
 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	rrosion 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	rage evaluations, is the anchorage free of conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2CV1581	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: 21 CAC NORM INLET	
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?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Tubing in pipe's transverse direction may not have sufficient flexibility, need to look at piping ISO. Equivalent to 15" long 1/2" tube. 10/13/12 - Per Drawing 91575 the piping is supported approximately 3.5 feet away from the valve. Hence the valve displacement is judged to be small enough not to affect the tubing and the tubing's flexibility is adequate.	
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	
<u> </u>	
Evaluated by: A. Karavoussianis Date: 1	11/09/2012
toff feet	
C. Figliolini	11/09/2012

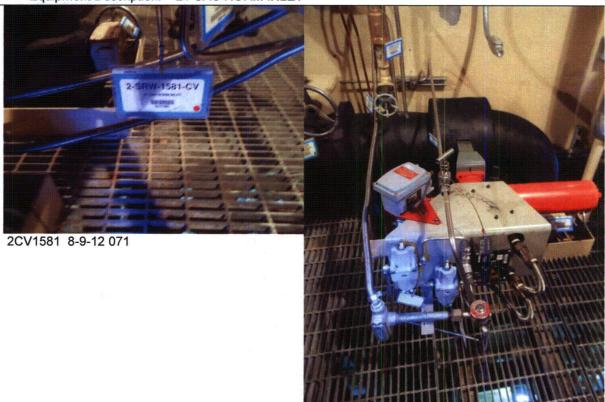
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1581

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 CAC NORM INLET



2CV1581 8-9-12 072



2CV1581 8-9-12 073

2CV1581 8-9-12 074

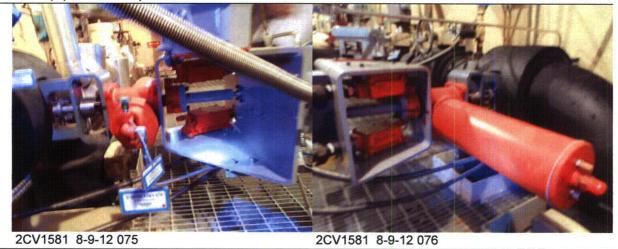
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1581

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 CAC NORM INLET



Status: Y N Seismic Walkdown Checklist (SWC)	L
Equipment ID No.: 2CV1588OP	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: 2A DG SRW SUPP VLV OP	
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)? 	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 Applicat	ble
Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicate	ble
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applical 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 potentially adverse seismic conditions?	'es

WALKDOWN CHECKLISTS

Seismic Walkdown	Checklist (SWC)	Status: Y N U
	ID No.: 2CV1588OP	
	Class: (7) Fluid-Operated Valves	
	cription: 2A DG SRW SUPP VLV OP	
Interaction Effects		
7. Are soft targe	ets free from impact by nearby equipment or structures?	Yes
•	ock walls, identified as A19 and A24 on drawing A-259, are safety- thus seismically rated per IE Bulletin 80-11.	
masonry bloo Overhead li 10/3/12 - Ov their lightwei	d equipment, distribution systems, ceiling tiles and lighting, and ck walls not likely to collapse onto the equipment? ight, if not 2/1, may fall and strike operator tubing. erhead lights were deemed not a credible seismic concern due to ight and to typical construction practices. Also, they have been valuated by CCNPP and found seismically acceptable.	Yes
•	lines have adequate flexibility to avoid damage?	Yes
	e above seismic interaction evaluations, is equipment free of dverse seismic interaction effects?	Yes
Other Adverse Con	ditions	
•	oked for and found no adverse seismic conditions that could fect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11	1/09/2012
	fortheter.	
	C. Figliolini 11	1/09/2012
	······································	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1588OP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 2A DG SRW SUPP VLV OP



2CV1588OP 8-13-12 199



2CV1588OP 8-13-12 201

2CV1588OP 8-13-12 202

Seismic Walkdown Checklist (S	WC)	Status: Y N U
Equipment ID No.: 2CV	·	
Equipment Class: (7) F		
Equipment Description: TB	SRW HDR 21 ISOL	
Project:	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	AUX, 5.00 ft, CAL-AB-205	
Manufacturer/Model:		
Instructions for Completing Che	ecklist	
on the SWEL. The space below e	ument the results of the Seismic Walkdown of an item o ach of the following questions may be used to record th al space is provided at the end of this checklist for docur	e results of
	n verification required (i.e., is the item one of the 50%	No
of SWEL items requiring s	such verification)?	
2. Is the anchorage free of bo	ent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	orrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vi	isible cracks in the concrete near the anchors?	Not Applicable
	ation consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage s required.)	Not Applicable
Based on the above anchorontentially adverse seismit	orage evaluations, is the anchorage free of c conditions?	Yes

Seismic Wal	kdown Checklist (SWC)		Status: Y N U
	ipment ID No.: 2CV1637		
•	uipment Class: (7) Fluid-Operated Valves		
•	nt Description: TB SRW HDR 21 ISOL		
Interaction E			
	oft targets free from impact by nearby equipment or str	uctures?	Yes
8. Are o	verhead equipment, distribution systems, ceiling tiles a	and lighting, and	Yes
	onry block walls not likely to collapse onto the equipmen	·	les
9. Do at	tached lines have adequate flexibility to avoid damage	?	Yes
stand to H) ceilin	ing between two valves (1637 and 1638) is supported a chion anchored to the ceiling. The valves are on a comi is that are supported on floor. Differential motion betwe g is judged to be small and will not affect tubing. Tubing uate flexibility.	mon pipe running een floor and	
10. Base	d on the above seismic interaction evaluations, is equipatially adverse seismic interaction effects?	ment free of	Yes
Other Adver	se Conditions		
11. Have	you looked for and found no adverse seismic condition rsely affect the safety functions of the equipment?	is that could	Yes
Comments			
Evaluated by	A. Karavoussiani	is Date:	11/09/2012
	tout the		
	C. Figliolini		11/09/2012

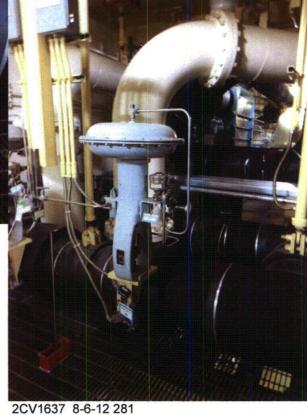
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1637

Equipment Class: (7) Fluid-Operated Valves



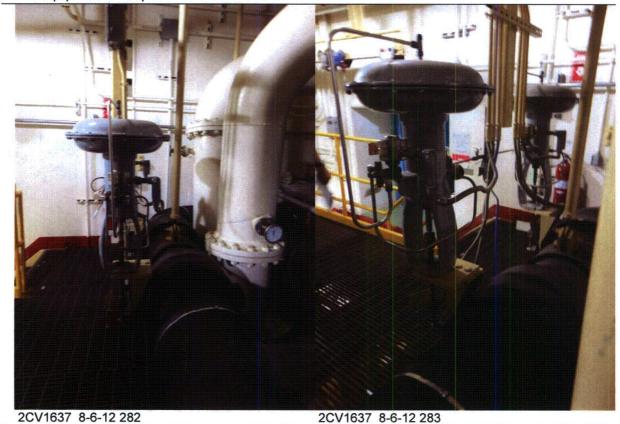


Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1637

Equipment Class: (7) Fluid-Operated Valves



82

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1637

Equipment Class: (7) Fluid-Operated Valves



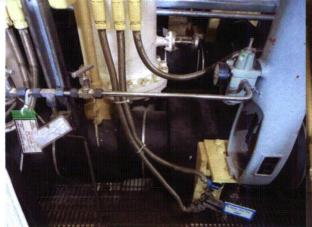
2CV1637 8-6-12 284

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV1637

Equipment Class: (7) Fluid-Operated Valves



2CV1637 8-6-12 286



2CV1637 8-6-12 287

Seismic Walkdown Checklist (SWC)] N U
Equipment ID No.: 2CV4048	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: 21 MSIV	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-309	
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 App	licable
Is the anchorage free of corrosion that is more than mild surface oxidation? Not App.	licable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not App	licable
 Is the anchorage configuration consistent with plant documentation? (Note: Not App This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	licable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdown	Stat	us: Y N U
	t ID No.: 2CV4048	
• •	nt Class: (7) Fluid-Operated Valves	
Equipment Des		
Interaction Effects	······································	
7. Are soft targ	gets free from impact by nearby equipment or structures?	Yes
masonry blo Ductwork	ad equipment, distribution systems, ceiling tiles and lighting, and ock walls not likely to collapse onto the equipment? support is 1/2" from valve, ductwork is also laterally supported on (nearby) therefore judged not to be a seismic concern.	Yes
Hydraulic I flexibility, th Flex condui	d lines have adequate flexibility to avoid damage? line insulation is in contact with hand rail. Line has adequate herefore it is judged not to be a seismic concern. it is in contact with platform and the conduit's JB is supported on	Yes
10. Based on th	erefore it is judged not to be a seismic concern. ne above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Other Adverse Cor	nditions	
11. Have you lo	poked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11/09/2	012
-	C. Figliolini 11/09/2	012

<u>Photos</u>

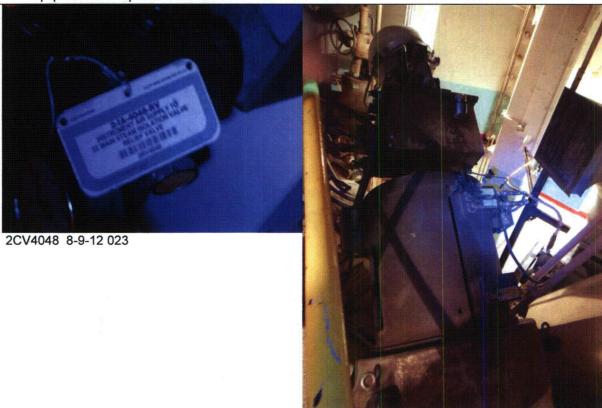
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4048

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 MSIV



2CV4048 8-9-12 024

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4048

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 MSIV



88

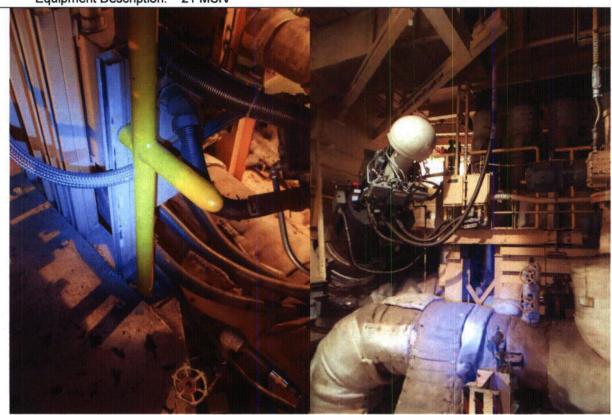
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4048

Equipment Class: _(7) Fluid-Operated Valves

Equipment Description: 21 MSIV



2CV4048 8-9-12 028

2CV4048 8-9-12 030



2CV4048 8-9-12 031

2CV4048 8-9-12 032

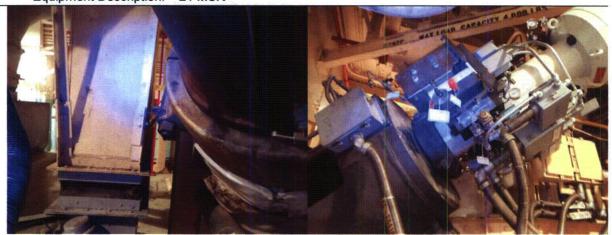
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4048

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 MSIV



2CV4048 8-9-12 034

2CV4048 8-9-12 035



2CV4048 8-9-12 036

2CV4048 8-9-12 037



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4048

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 MSIV

2CV4048 8-9-12 038

2CV4048 8-9-12 039



Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2CV4070	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: S/G 21 MS WITH HS IN AUTO TURB	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-309	
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 Applic	able
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applic	able
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applic	able
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applic This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	able
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Tubing support approximately 5' from valve Valve ½" from steel pipe well supported in subject direction Floor crack, dented jacket on floor piping	Yes

WALKDOWN CHECKLISTS

O Jamia Wallada and Objective (ONO)		Status: Y N U
Seismic Walkdown Checklist (SWC)		
Equipment ID No.: 2CV4070		
Equipment Class: (7) Fluid-Operated Valves		
Equipment Description: S/G 21 MS WITH HS IN AUTO TURB		
Interaction Effects	-0	V
Are soft targets free from impact by nearby equipment or structures	5 ?	Yes
There is a $\frac{1}{2}$ " gap between the valve and nearby steel, the pipe is supported in the subject direction, judged not to be a seismic hazar	• •	
8. Are overhead equipment, distribution systems, ceiling tiles and ligh masonry block walls not likely to collapse onto the equipment?	ting, and	Yes
9. Do attached lines have adequate flexibility to avoid damage? Tubing is supported 5' from valve and is judged to have adequate.	o flexibility	Yes
Based on the above seismic interaction evaluations, is equipment to potentially adverse seismic interaction effects?	free of	Yes
Other Adverse Conditions		
Have you looked for and found no adverse seismic conditions that adversely affect the safety functions of the equipment?	could	Yes
Comments		
Evaluated by: A. Karavoussianis A. Karavoussianis	Date: 1	1/09/2012
C. Figliolini	1	1/09/2012

<u>Photos</u>

Status: Y

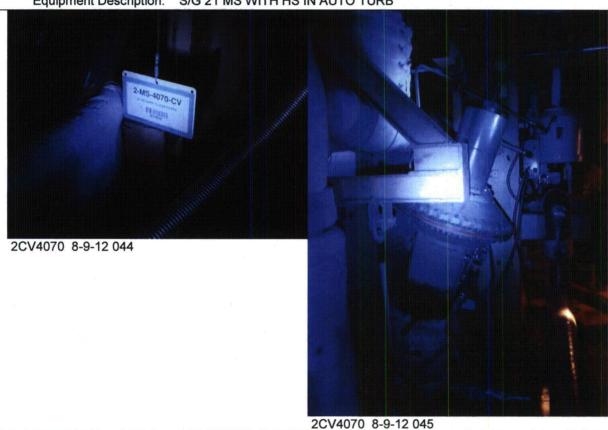
N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 21 MS WITH HS IN AUTO TURB



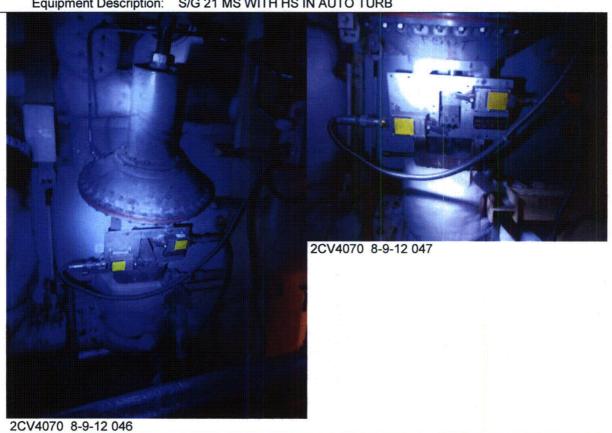
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 21 MS WITH HS IN AUTO TURB



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 21 MS WITH HS IN AUTO TURB



WALKDOWN CHECKLISTS

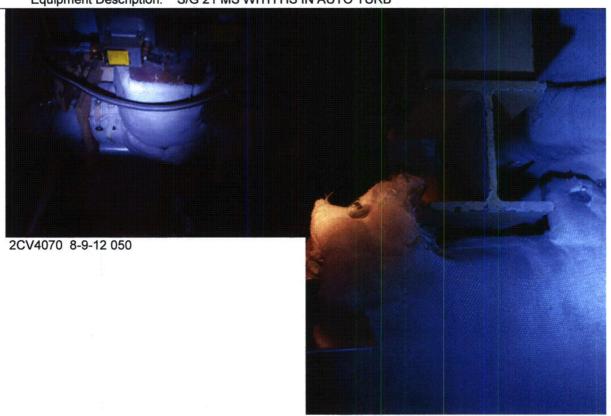
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 21 MS WITH HS IN AUTO TURB





2CV4070 8-9-12 052

2CV4070 8-9-12 054

Status: Y	N U
Equipment ID No.: 2CV4070A	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: MS 2-CV-4070 BYPASS CV	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-309	
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 Applic	able
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applic	able
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applic	able
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applic This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	able
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdow	Status: [_wn Checklist (SWC)	Y N U
Equipme	ent ID No.: 2CV4070A	
	ent Class: (7) Fluid-Operated Valves	_
Equipment De	escription: MS 2-CV-4070 BYPASS CV	_
Interaction Effect	t <u>s</u>	
7. Are soft ta	argets free from impact by nearby equipment or structures?	Yes
	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
	ed lines have adequate flexibility to avoid damage?	Yes
Valve an	nd piping are well supported near to each other.	
	the above seismic interaction evaluations, is equipment free of adverse seismic interaction effects?	Yes
Oth A d O		
	onditions looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11/09/2012	
	C. Figliolini 11/09/2012	
	C. Figiloliili 11/09/2012	

<u>Photos</u>

WALKDOWN CHECKLISTS

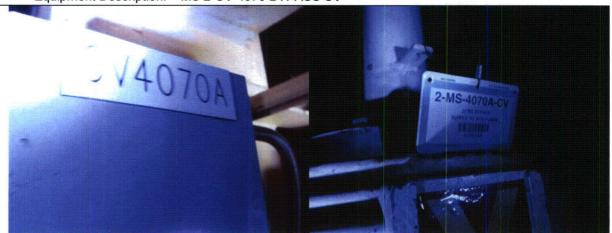
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070A

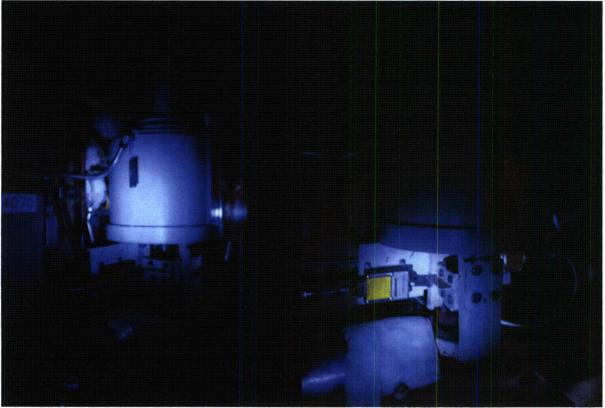
Equipment Class: (7) Fluid-Operated Valves

Equipment Description: MS 2-CV-4070 BYPASS CV



2CV4070A 8-9-12 055

2CV4070A 8-9-12 056



2CV4070A 8-9-12 057

2CV4070A 8-9-12 058

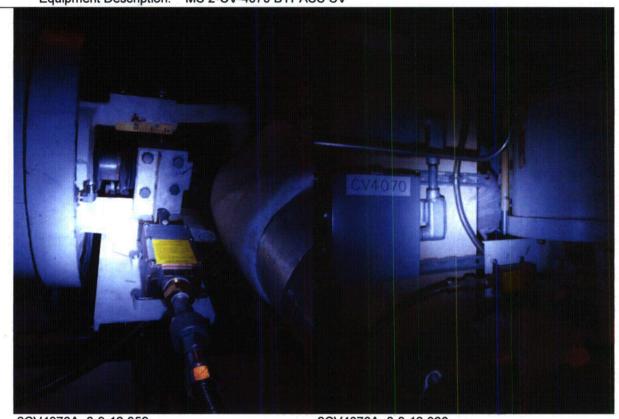
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: MS 2-CV-4070 BYPASS CV



2CV4070A 8-9-12 059

2CV4070A 8-9-12 060

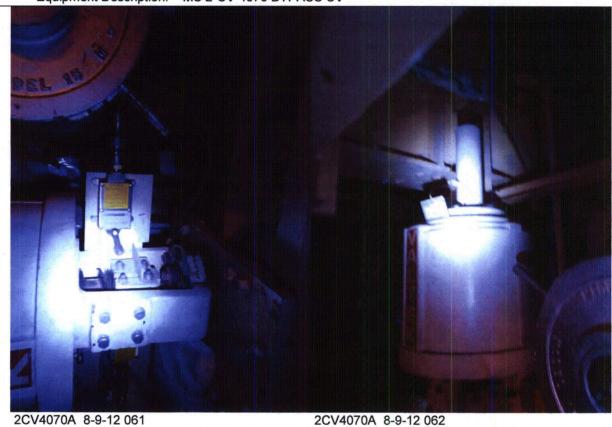
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: MS 2-CV-4070 BYPASS CV



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: MS 2-CV-4070 BYPASS CV



2CV4070A 8-9-12 063

Seismic Walkdown Checklist (SWC	Status: Y N	U
Equipment ID No.: 2CV40	70AOP	
Equipment Class: (7) Fluid		
	V-4070A VALVE OPERA	
Project: C	CNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	UX, 27.00 ft, CAL-AB-309	
Manufacturer/Model:		
Instructions for Completing Checkl	ist	
on the SWEL. The space below each	ent the results of the Seismic Walkdown of an item of equipment of the following questions may be used to record the results of eace is provided at the end of this checklist for documenting other	
<u>Anchorage</u>		
 Is anchorage configuration ve of SWEL items requiring such This is the operator for valve 	verification)?	No
2. Is the anchorage free of bent,	broken, missing or loose hardware? Not Applicate	ole
3. Is the anchorage free of corro	sion that is more than mild surface oxidation? Not Applicat	ole
4. Is the anchorage free of visible	e cracks in the concrete near the anchors? Not Applicat	ole
	n consistent with plant documentation? (Note: Not Application is one of the 50% for which an anchorage quired.)	ole
Based on the above anchorage potentially adverse seismic contact.	,	'es

WALKDOWN CHECKLISTS

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 2CV4070AOP	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: MS 2-CV-4070A VALVE OPERA	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	es
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	es
9. Do attached lines have adequate flexibility to avoid damage? Yes	es
Valve and piping are well supported near each other.	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	es
Other Adverse Conditions	
11. Have you looked for and found no adverse seismic conditions that could Ye adversely affect the safety functions of the equipment?	es
Comments	
Evaluated by: A. Karavoussianis Date: 11/09/2012	
C. Figliolini 11/09/2012	

<u>Photos</u>

WALKDOWN CHECKLISTS

Status:	Υ	N	U
---------	---	---	---

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070AOP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: MS 2-CV-4070A VALVE OPERA

Rule of Box

2CV4070AOP ROB

Status: Y N Seismic Walkdown Checklist (SWC)	U
Equipment ID No.: 2CV4070OP	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: 21 MS SUPP STM TO AFW TUR	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-309	
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)? This is the operator for valve 2CV4070. 	lo
Is the anchorage free of bent, broken, missing or loose hardware? Not Applicab	le
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicab	le
Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicab	le
 Is the anchorage configuration consistent with plant documentation? (Note: Not Applicab This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	le
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Tubing support approximately 5' from valve Valve ½" from steel pipe well supported in subject direction Floor crack, dented jacket on floor piping	es

WALKDOWN CHECKLISTS

Seismic Walkdov	vn Checklist (SWC)	Status: Y N U
Equipme	nt ID No.: 2CV4070OP	
	ent Class: (7) Fluid-Operated Valves	
	escription: 21 MS SUPP STM TO AFW TUR	
Interaction Effect	<u>s</u>	
7. Are soft ta	rgets free from impact by nearby equipment or structures?	Yes
	a ½" gap between the valve and nearby steel, the pipe is adequately in the subject direction, o.k.	
	ead equipment, distribution systems, ceiling tiles and lighting, and block walls not likely to collapse onto the equipment?	Yes
	ed lines have adequate flexibility to avoid damage?	Yes
	s supported 5" from valve and is judged to have adequate flexibility. the above seismic interaction evaluations, is equipment free of	Yes
potentially	adverse seismic interaction effects?	
Other Adverse Co		
-	looked for and found no adverse seismic conditions that could affect the safety functions of the equipment?	Yes
Comments		
Evaluated by:	A. Karavoussianis Date: 11	1/09/2012
	frest the same of	
	C. Figliolini	1/09/2012

<u>Photos</u>

WALKDOWN CHECKLISTS

Status:	Υ	N	U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV4070OP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 21 MS SUPP STM TO AFW TUR

Rule of Box

2CV4070OP ROB

Seismic Walkdown Checklist (S	WC)	Status: Y N U
Equipment ID No.: 2CV	/5149OP	
Equipment Class: (7) F		
· · · · · · · · · · · · · · · · · · ·	MER SW DISCH TO BAY CV ACT	•
	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	Intake, -7.00 ft, CAL-ISPR-INT2	
Manufacturer/Model:		
Instructions for Completing Che	ecklist	
on the SWEL. The space below e judgments and findings. Additional comments.	ument the results of the Seismic Walkdown of an item of each of the following questions may be used to record the all space is provided at the end of this checklist for docume	results of
Anchorage	supplies the second of the second of the FOO!	NI-
of SWEL items requiring s	n verification required (i.e., is the item one of the 50% such verification)?	No
2. Is the anchorage free of bo	ent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	orrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vi	sible cracks in the concrete near the anchors?	Not Applicable
	ation consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage s required.)	Not Applicable
Based on the above anchoron potentially adverse seisming	orage evaluations, is the anchorage free of c conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2CV5149OP	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: 2 EMER SW DISCH TO BAY CV ACT Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Yes
The valve and operator are approximately ¼" from platform steel. The platform steel is well braced, and the very large diameter piping is anchored within approximately 30' from valve on each side. Therefore the differential motion between the platform and valve is judged not to exceed ¼". Judged to be seismic adequate.	
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 1	1/09/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV5149OP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 2 EMER SW DISCH TO BAY CV ACT



2CV5149OP 8-16-12 162

2CV5149OP 8-16-12 163



2CV5149OP 8-16-12 164

2CV5149OP 8-16-12 165

Status: Y N U

Seismic Walkdown Checklist (SWC)

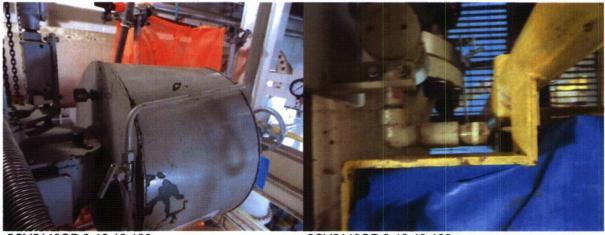
Equipment ID No.: 2CV5149OP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 2 EMER SW DISCH TO BAY CV ACT



2CV5149OP 8-16-12 167



2CV5149OP 8-16-12 168

2CV5149OP 8-16-12 169

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV5149OP

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: 2 EMER SW DISCH TO BAY CV ACT



2CV5149OP 8-16-12 172

2CV5149OP 8-16-12 173



2CV5149OP 8-16-12 174

Status: Y N Seismic Walkdown Checklist (SWC)	1 U
Equipment ID No.: 2CV5173	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: ECCS PP RM AIR CLR 22 WTR IN	
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)? 	No
Is the anchorage free of bent, broken, missing or loose hardware? Not Application No	able
Is the anchorage free of corrosion that is more than mild surface oxidation? Not Application.	able
Is the anchorage free of visible cracks in the concrete near the anchors? Not Applica	able
 Is the anchorage configuration consistent with plant documentation? (Note: Not Application only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	able
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.: 2CV5173	
Equipment Class: (7) Fluid-Operated Valves	
Equipment Description: ECCS PP RM AIR CLR 22 WTR IN	
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?	Yes
9. Do attached lines have adequate flexibility to avoid damage?	Yes
Tubing supported on wall near the valve's pipe supports, therefore small differential motion is expected and the tubing judged to have adequate flexibility.	
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
C. Figliolini 12	1/09/2012

Photos

Status: Y N U

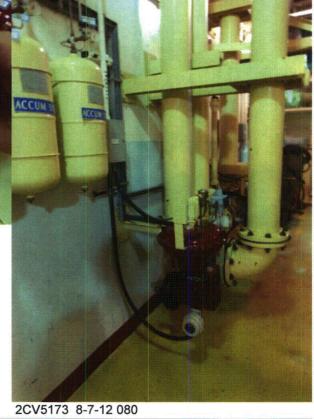
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV5173

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: ECCS PP RM AIR CLR 22 WTR IN





WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV5173

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: ECCS PP RM AIR CLR 22 WTR IN



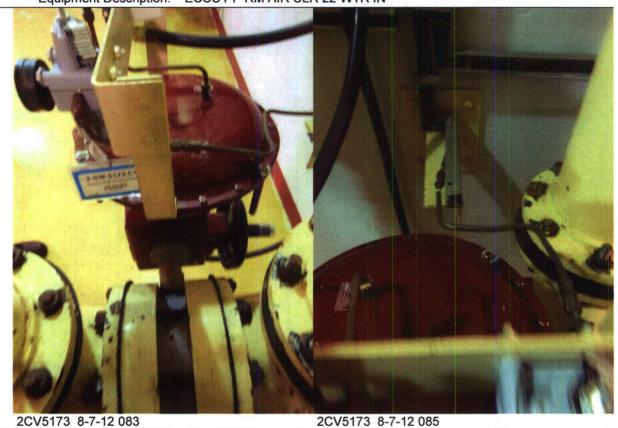
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV5173

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: ECCS PP RM AIR CLR 22 WTR IN



119

Seismic Walkdown Checklist (SWC)	Status: Y N U
Equipment ID No.: 2DAMP5426B	
Equipment Class: (10) Air Handlers	
Equipment Description: 21 U RECIRC AIR 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 equal on the SWEL. The space below each of the following questions may be used to record the results and findings. Additional space is provided at the end of this checklist for document comments.	sults of
<u>Anchorage</u>	
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Damper is inline with 21SWGRHVAC. 	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

WALKDOWN CHECKLISTS

		Status: Y N U
	vn Checklist (SWC)	
	nt ID No.: 2DAMP5426B	
Equipme	ent Class: (10) Air Handlers	
```	escription: 21 U RECIRC AIR DMPR	-
Interaction Effects		
7. Are soft ta	rgets free from impact by nearby equipment or structures?	Yes
8. Are overhe	ead equipment, distribution systems, ceiling tiles and lighting, and	Yes
·	lock walls not likely to collapse onto the equipment?	100
9. Do attache	ed lines have adequate flexibility to avoid damage?	Yes
		•
	the above seismic interaction evaluations, is equipment free of	Yes
potentially	adverse seismic interaction effects?	
Other Adverse Co	onditions	
	looked for and found no adverse seismic conditions that could	Yes
adversely a	affect the safety functions of the equipment?	
Comments		
Evaluated by:	A. Karavoussianis Date: 11/	09/2012
Evaluated by.	7. Naravoussianis Date. 117	09/2012
	fortheter	
	C. Figliolini 11/	09/2012

<u>Photos</u>

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DAMP5426B

Equipment Class: (10) Air Handlers

Equipment Description: 21 U RECIRC AIR DMPR



2DAMP5426B 8-9-12 192

2DAMP5426B 8-9-12 193



2DAMP5426B 8-9-12 194

Status: Y Seismic Walkdown Checklist (SWC)	N
Equipment ID No.: 2DISC189-2103A	
Equipment Class: (14) Distribution Panels	
Equipment Description: 2A DG TO DISC SW 2NA103	
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>	
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.) Walkdown anchorage as-built sketch is consistent with calculation CA01632. 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdown Checklist (SWC)	Y N U
Equipment ID No.: 2DISC189-2103A	
Equipment Class: (14) Distribution Panels	
Equipment Description: 2A DG TO DISC SW 2NA103	
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 Advance Conditions	
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: 11/09/2012	
fortheter.	
C. Figliolini 11/09/2012	

Photos

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DISC189-2103A

Equipment Class: (14) Distribution Panels

Equipment Description: 2A DG TO DISC SW 2NA103



2DISC189-2103A 8-13-12 203



2DISC189-2103A 8-13-12 204

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DISC189-2103A

Equipment Class: (14) Distribution Panels

Equipment Description: 2A DG TO DISC SW 2NA103



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DISC189-2103A

Equipment Class: (14) Distribution Panels

Equipment Description: 2A DG TO DISC SW 2NA103



2DISC189-2103A 8-13-12 207

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DISC189-2103A

Equipment Class: (14) Distribution Panels

Equipment Description: 2A DG TO DISC SW 2NA103



128

Status: Y Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2ENGEDG2B	
Equipment Class: (17) Engine-Generators	
Equipment Description: DIESEL GENERATOR 2B ENGINE	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-416	
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
Minor grout crack but not close to bolts, judged not to be a seismic concern.	
 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 36988 (C-490). 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	Status: Y] N U
Equipment ID No.: 2ENGEDG2B		
Equipment Class: (17) Engine-Generators		
Equipment Description: DIESEL GENERATOR 2B ENGINE		
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		No
masonry block walls not likely to collapse onto the equipment? There is tubing and a sight glass that are within the path of influence of		
overhead lights.		
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.		
previously evaluated by CONFF and Tourid Seistifically acceptable.		
Unit 2G2B is mounted on vibration isolators, need to investigate the seismic		
adequacy of this unit's anchorage.CR-2012-010381 written to address this		
issue.9. Do attached lines have adequate flexibility to avoid damage?		Yes
10. Based on the above seismic interaction evaluations, is equipment free of		Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?		168
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		_
16.		-
Evaluated by: A. Karavoussianis Date:	11/09/2012	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2ENGEDG2B

Equipment Class: (17) Engine-Generators

Equipment Description: DIESEL GENERATOR 2B ENGINE

C. Figliolini

11/09/2012

Photos



2ENGEDG2B 8-13-12 043

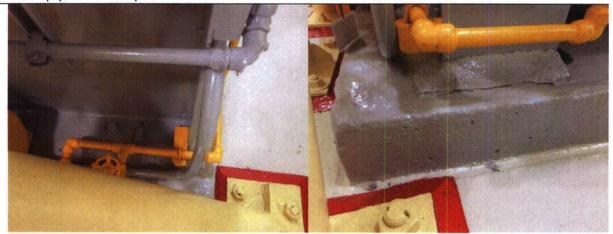
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2ENGEDG2B

Equipment Class: (17) Engine-Generators

Equipment Description: DIESEL GENERATOR 2B ENGINE



2ENGEDG2B 8-13-12 044

2ENGEDG2B 8-13-12 045



2ENGEDG2B 8-13-12 047

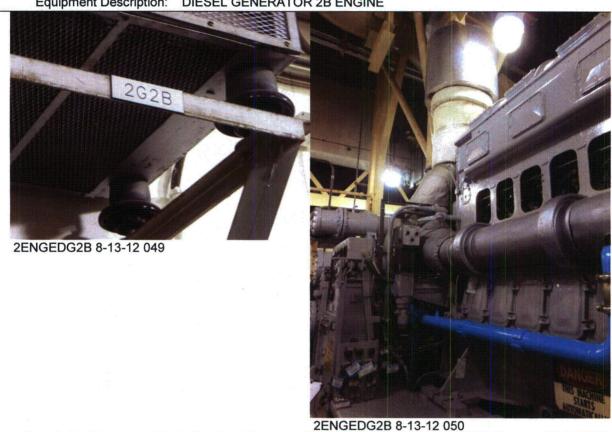
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2ENGEDG2B

Equipment Class: (17) Engine-Generators

Equipment Description: DIESEL GENERATOR 2B ENGINE



Status: Y N U

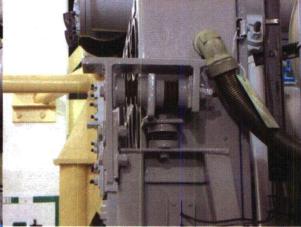
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2ENGEDG2B

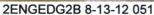
Equipment Class: (17) Engine-Generators

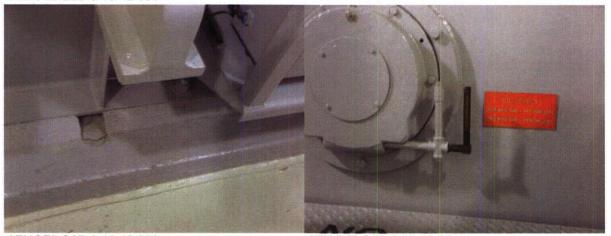
Equipment Description: DIESEL GENERATOR 2B ENGINE





2ENGEDG2B 8-13-12 052





2ENGEDG2B 8-13-12 053

2ENGEDG2B 8-13-12 054

Seismic Walkdown Checklist (SV	Status:	Y N U
Equipment ID No.: 2FA		
Equipment Class: (9) F		
Equipment Description: ECC	· · · · · · · · · · · · · · · · · · ·	
	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	AUX, -15.00 ft, CAL-AB-102	,,,,,
Manufacturer/Model:		
Instructions for Completing Chec	cklist	
on the SWEL. The space below ea	ment the results of the Seismic Walkdown of an item of equipment of the following questions may be used to record the results of space is provided at the end of this checklist for documenting others.	f
Anchorage		
 Is anchorage configuration of SWEL items requiring su 	verification required (i.e., is the item one of the 50% uch verification)?	No
2. Is the anchorage free of be	nt, broken, missing or loose hardware?	Yes
3. Is the anchorage free of co	rrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of vis	ible cracks in the concrete near the anchors?	Yes
•	f the item is one of the 50% for which an anchorage	t Applicable
Based on the above ancho potentially adverse seismic	rage evaluations, is the anchorage free of conditions?	Yes

Status Seismic Walkdown Checklist (SWC)	YNU
Equipment ID No.: 2FAN0448A	
Equipment Class: (9) Fans	
Equipment Description: ECCS PP RM CLR 22 FAN A	
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: 11/09/201	2
C. Figliolini 11/09/201	2
<u>Photos</u>	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 22 FAN A



2FAN0448A 8-7-12 258

2FAN0448A 8-7-12 259



2FAN0448A 8-7-12 261

2FAN0448A 8-7-12 262



Status: Y N U

Seismic Walkdown Checklist (SWC)

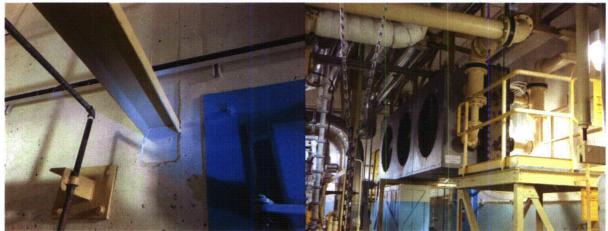
Equipment ID No.: 2FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 22 FAN A

2FAN0448A 8-7-12 263

2FAN0448A 8-7-12 264



2FAN0448A 8-7-12 265

2FAN0448A 8-7-12 266



2FAN0448A 8-7-12 267

2FAN0448A 8-7-12 268

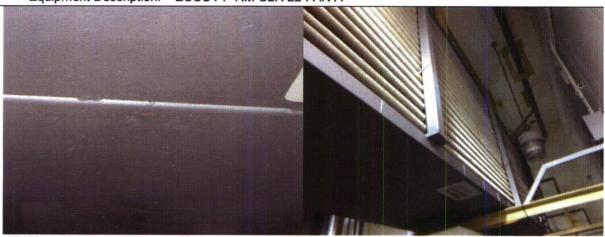
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 22 FAN A



2FAN0448A 8-7-12 269

2FAN0448A 8-7-12 270



2FAN0448A 8-7-12 271

Status: Y N Seismic Walkdown Checklist (SWC)	N U
Equipment ID No.: 2FANHVACEDGS2A	
Equipment Class: (9) Fans	
Equipment Description: 2A DG RM SPLY FAN	
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)? 	No
2. Is the anchorage free of bent, broken, missing or loose hardware?	Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Yes
 Is the anchorage configuration consistent with plant documentation? (Note: Not Application only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	able
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.: 2FANHVACEDGS2A		
Equipment Class: (9) Fans		
Equipment Description: 2A DG RM SPLY FAN		
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structures?	١	Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	١	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?	١	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:	11/09/2012	
C. Figliolini	11/09/2012	

<u>Photos</u>

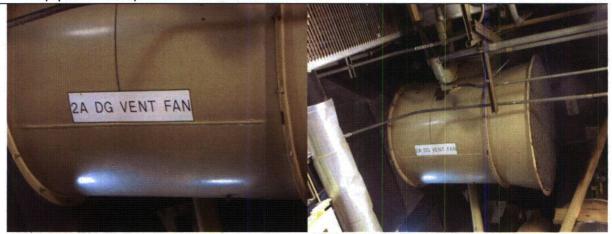
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACEDGS2A

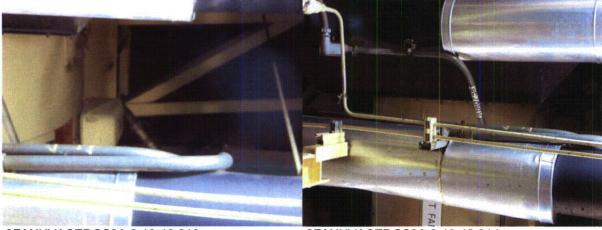
Equipment Class: (9) Fans

Equipment Description: 2A DG RM SPLY FAN



2FANHVACEDGS2A 8-13-12 211

2FANHVACEDGS2A 8-13-12 212



2FANHVACEDGS2A 8-13-12 213

2FANHVACEDGS2A 8-13-12 214

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACEDGS2A

Equipment Class: (9) Fans

Equipment Description: 2A DG RM SPLY FAN



Status: Y N U Seismic Walkdown Checklist (SWC)
Equipment ID No.: 2FANHVACPENETE21
Equipment Class: (9) Fans
Equipment Description: 21 PENET RM EXH FAN
Project: CCNPP 2 SWEL
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-204
Manufacturer/Model:
Instructions for Completing Checklist
This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.
<u>Anchorage</u>
 Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
Fan is on vibration isolator (springs). Isolator is judged not to be a seismic concern.
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 Applicable 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 potentially adverse seismic conditions?

WALKDOWN CHECKLISTS

Seismic	Walkdown Checkli	st (SWC)		Status: Y] N U
		2FANHVACPENETE21			
	Equipment Class:				
Equi	pment Description:	21 PENET RM EXH FAN			
<u>Interacti</u>	on Effects				_
7. /	Are soft targets free	rom impact by nearby equipment or structures?		·	Yes
		nent, distribution systems, ceiling tiles and lighting, ar not likely to collapse onto the equipment?	nd		Yes
9. [Do attached lines ha	ve adequate flexibility to avoid damage?			Yes
		seismic interaction evaluations, is equipment free of eismic interaction effects?			Yes
Other A	dverse Conditions				_
11. H	lave you looked for	and found no adverse seismic conditions that could afety functions of the equipment?			Yes
Comme	nts				- .
Evaluate	d by: A. M.	A. Karavoussianis	Date:	11/09/2012	
	Try	C. Figliolini		11/09/2012	

<u>Photos</u>

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACPENETE21

Equipment Class: (9) Fans

Equipment Description: 21 PENET RM EXH FAN



2FANHVACPENETE21 8-7-12 111

2FANHVACPENETE21 8-7-12 112



2FANHVACPENETE21 8-7-12 113



2FANHVACPENETE21 8-7-12 114

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACPENETE21

Equipment Class: (9) Fans

Equipment Description: 21 PENET RM EXH FAN



2FANHVACPENETE21 8-7-12 115

Seismic Walkdown Checklist (S)	NC)	Status: Y N U
Equipment ID No.: 2FA		
Equipment Class: (9) F		
Equipment Description: 21 S	· · · · · · · · · · · · · · · · · · ·	
	CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area):	AUX, 70.00 ft, CAL-AB-526	
Manufacturer/Model:		
on the SWEL. The space below e	ument the results of the Seismic Walkdown of an item of ach of the following questions may be used to record the all space is provided at the end of this checklist for docum	e results of
Anchorage 1. Is anchorage configuration of SWEL items requiring s Fan is part of and mounted	· · · · · · · · · · · · · · · · · · ·	No
2. Is the anchorage free of be	ent, broken, missing or loose hardware?	Not Applicable
3. Is the anchorage free of co	orrosion that is more than mild surface oxidation?	Not Applicable
4. Is the anchorage free of vi	sible cracks in the concrete near the anchors?	Not Applicable
	ation consistent with plant documentation? (Note: if the item is one of the 50% for which an anchorage required.)	Not Applicable
Based on the above anchor potentially adverse seismin	orage evaluations, is the anchorage free of c conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdown Checklist (SWC)			Status: Y] N U
Equipment ID No.: 2FANHVAC	CSWGRS21			
Equipment Class: (9) Fans				•
Equipment Description: 21 SWGR I	RM SPLY FAN			•
Interaction Effects		_		- .
7. Are soft targets free from impact I	by nearby equipment or structures?			Yes
Are overhead equipment, distribu masonry block walls not likely to contact.	ution systems, ceiling tiles and lighting, collapse onto the equipment?	and		Yes
9. Do attached lines have adequate	eflexibility to avoid damage?			Yes
Based on the above seismic interpotentially adverse seismic intera	raction evaluations, is equipment free o action effects?	f		Yes
Other Adverse Conditions				_
	o adverse seismic conditions that could ons of the equipment?			Yes
<u>Comments</u>				_
Evaluated by: A. Karwaum A. Harman	A. Karavoussianis	Date:	11/09/2012	
Try for the	C. Figliolini		11/09/2012	

<u>Photos</u>

WALKDOWN CHECKLISTS

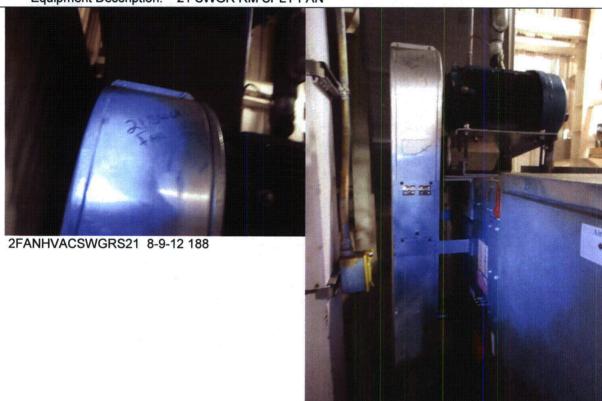
Status: Y N U

Seismic Walkdown Checklist (SWC)

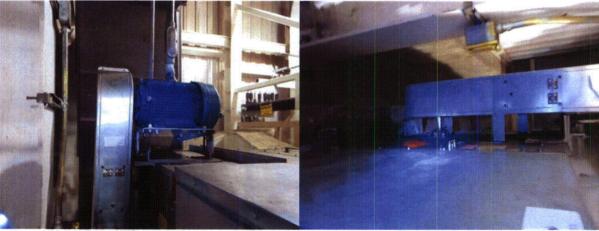
Equipment ID No.: 2FANHVACSWGRS21

Equipment Class: (9) Fans

Equipment Description: 21 SWGR RM SPLY FAN



2FANHVACSWGRS21 8-9-12 189



2FANHVACSWGRS21 8-9-12 190

2FANHVACSWGRS21 8-9-12 191

WALKDOWN CHECKLISTS

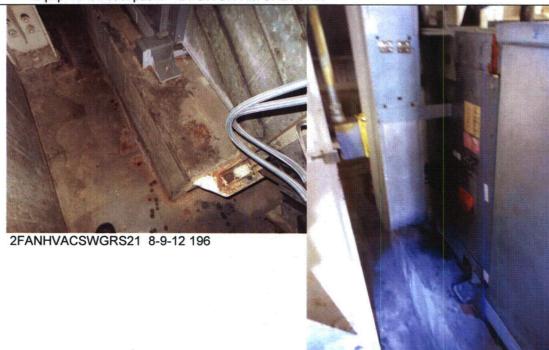
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACSWGRS21

Equipment Class: (9) Fans

Equipment Description: 21 SWGR RM SPLY FAN



2FANHVACSWGRS21 8-9-12 198

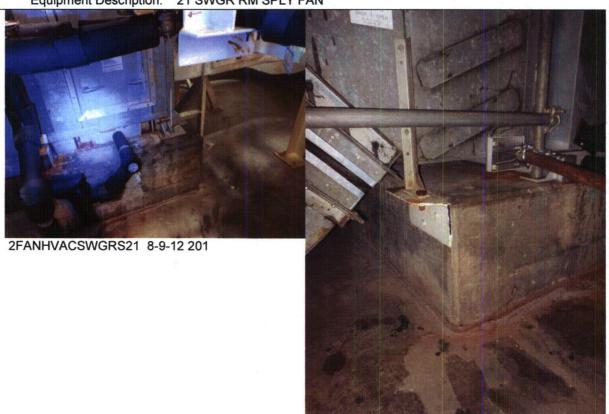
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FANHVACSWGRS21

Equipment Class: (9) Fans

Equipment Description: 21 SWGR RM SPLY FAN



2FANHVACSWGRS21 8-9-12 202

Statu Seismic Walkdown Checklist (SWC)	ıs: Y N U
Equipment ID No.: 2FT321	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: HPSI FLOW TO LOOP 22B	
Project: CCNPP 2 SWEL	
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-203	
Manufacturer/Model:	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an item of equipm on the SWEL. The space below each of the following questions may be used to record the results judgments and findings. Additional space is provided at the end of this checklist for documenting comments.	of
<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.) Walkdown as-built anchorage sketch is consistent with drawings 66300SH0002 and 91007 (J-106). 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

Seismic Walkdown Checklist (SWC)	tatus: Y N U
Equipment ID No.: 2FT321	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: HPSI FLOW TO LOOP 22B	
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?	Yes
9. Do attached lines have adequate flexibility to avoid damage? Tubing is supported on the FT C6 stanchion and wall with adequate flexibility. Not a priority appears.	Yes
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
C. Figliolini 11/09)/2012
<u>Photos</u>	

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT321

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



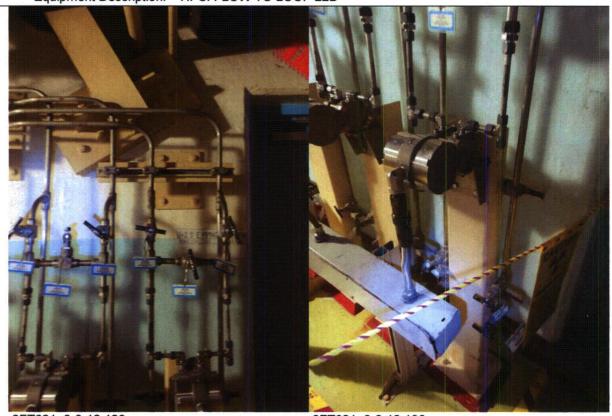


Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT321

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



2FT321 8-6-12 130

Seismic Walkdown Checklist (SWC)] N U
Equipment ID No.: 2FT322	
Equipment Class: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description: LPSI FLOW TO LOOP 22B	
Project: CCNPP 2 SWEL	-
Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-203	
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.) Walkdown as-built anchorage sketch is consistent with drawing 91007 (J-106). 	Yes
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Yes

WALKDOWN CHECKLISTS

Seismic Walkdown Chec	klist (SWC)	Status: Y N U
Equipment ID No		
	s: (20) Instrumentation and Control Panels and Cabinets	
Equipment Description		
Interaction Effects		
Are soft targets free	e from impact by nearby equipment or structures?	Yes
The state of the s	pment, distribution systems, ceiling tiles and lighting, and ls not likely to collapse onto the equipment?	Yes
9. Do attached lines	nave adequate flexibility to avoid damage?	Yes
	red on C6 stanchions and concrete wall, tubing has Not a seismic concern	
	ve seismic interaction evaluations, is equipment free of e seismic interaction effects?	Yes
Other Adverse Condition	^	
Other Adverse Condition 11. Have you looked f	<u>s</u> or and found no adverse seismic conditions that could	Yes
	e safety functions of the equipment?	res
•		
Comments		
Switched from 2FT332, wh	ich was inaccessible.	
Evaluated by:	A. Karavoussianis Date: 1	1/09/2012
	A STATE OF THE STA	
	C. Figliolini 1	1/09/2012

Photos

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



2FT322 8-6-12 131



2FT322 8-6-12 132

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



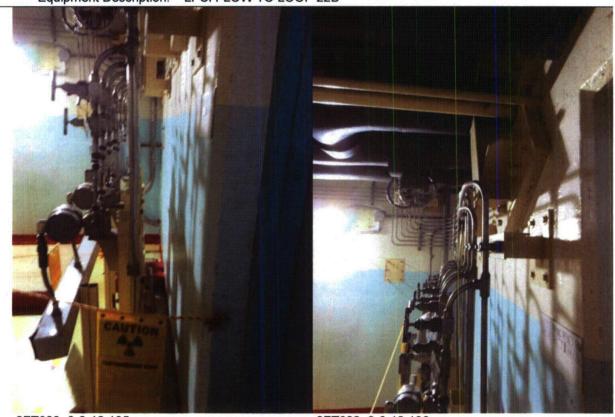
2FT322 8-6-12 133

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



2FT322 8-6-12 135

2FT322 8-6-12 136

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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

Equipment Description: LPSI FLOW TO LOOP 22B



2FT322 8-6-12 137

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



2FT322 8-6-12 139



2FT322 8-6-12 140

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT322

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



2FT322 8-6-12 145



2FT322 8-6-12 146