

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

Equipment Description: 1A1 DIESEL ENGINE

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): DG, 45.00 ft, CAL-DGB1-DB102

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage verified by drawing 85108 and Calc. D-C-92-027 Pg. 21 that shows 1-1/2" diameter bolts, which is consistent with equipment anchorage.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

Equipment Description: 1A1 DIESEL ENGINE

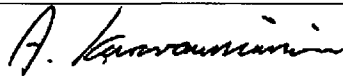
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
Attached piping connected via bellows having adequate flexibility, therefore no 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

Photos

ATTACHMENT 3

WALKDOWN CHECKLISTS

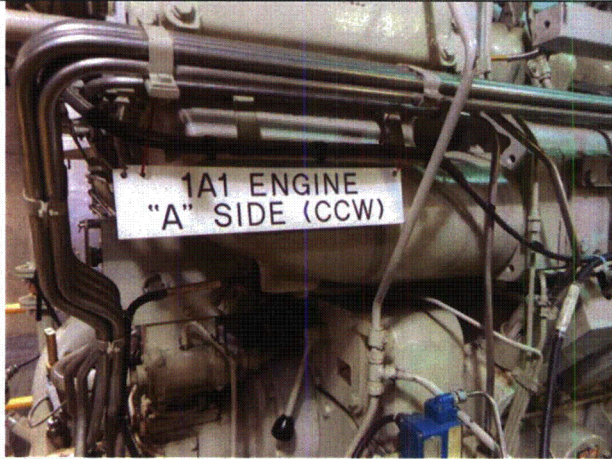
Status: Y N U

Seismic Walkdown Checklist (SWC)

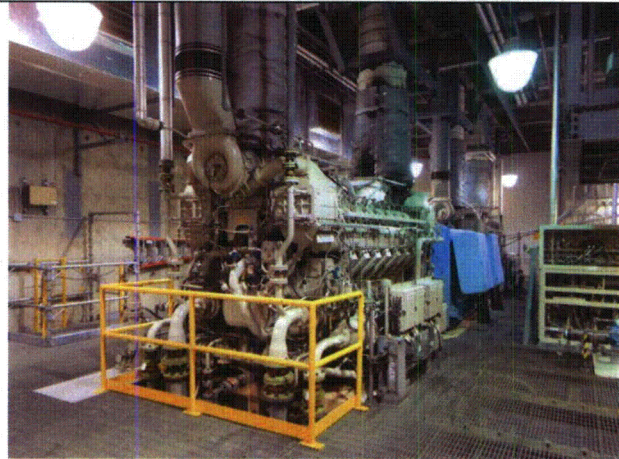
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

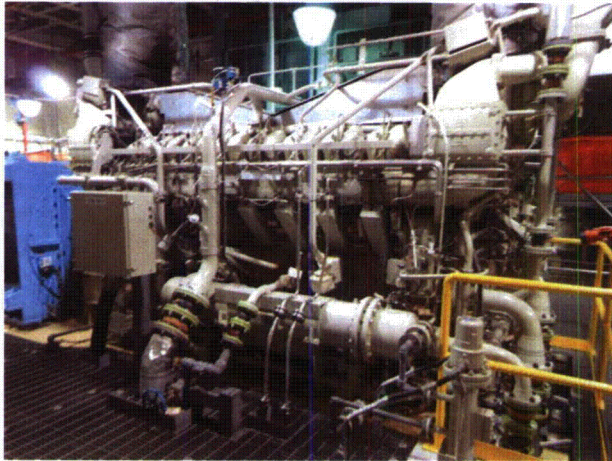
Equipment Description: 1A1 DIESEL ENGINE



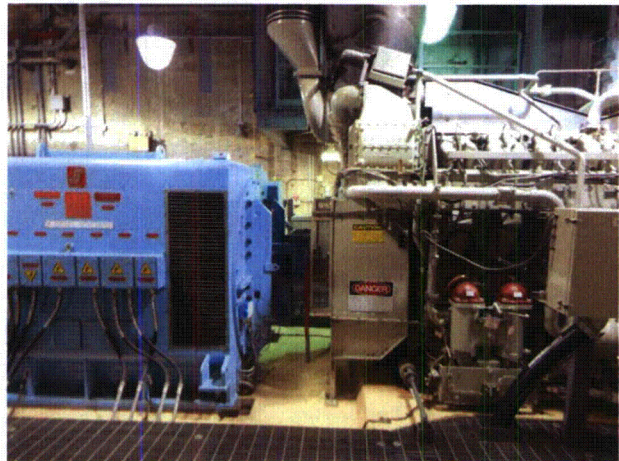
1ENGEDG1A1 8-15-12 019



1ENGEDG1A1 8-15-12 020



1ENGEDG1A1 8-15-12 021



1ENGEDG1A1 8-15-12 022

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

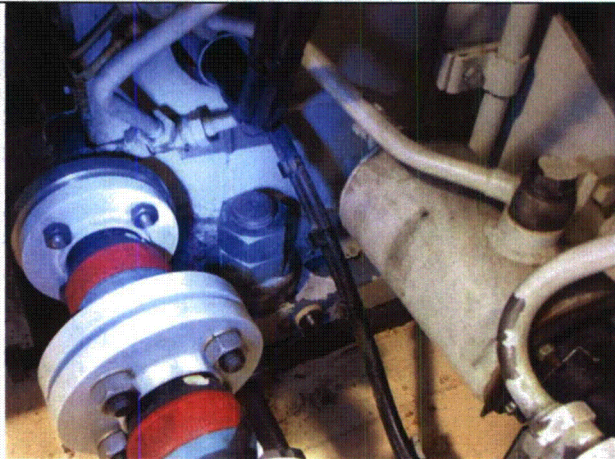
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

Equipment Description: 1A1 DIESEL ENGINE



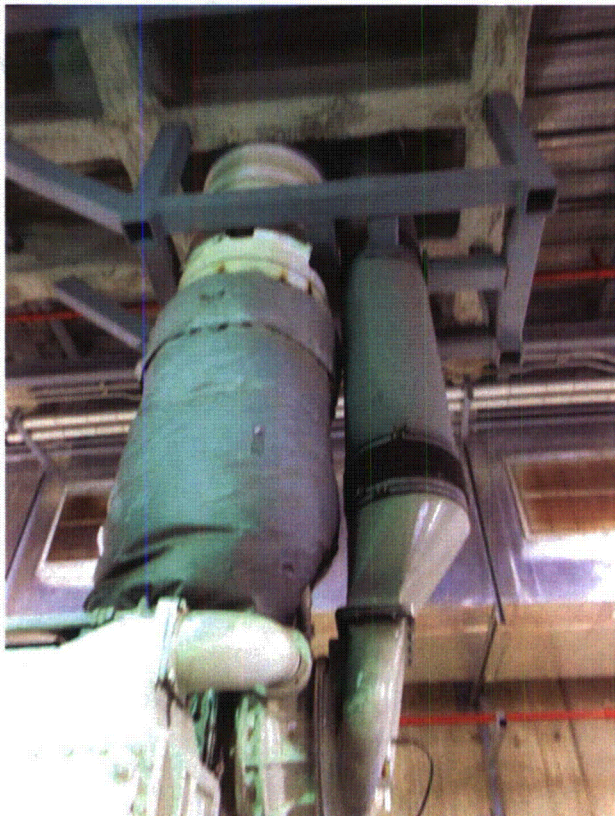
1ENGEDG1A1 8-15-12 023



1ENGEDG1A1 8-15-12 024



1ENGEDG1A1 8-15-12 025



1ENGEDG1A1 8-15-12 027

ATTACHMENT 3

WALKDOWN CHECKLISTS

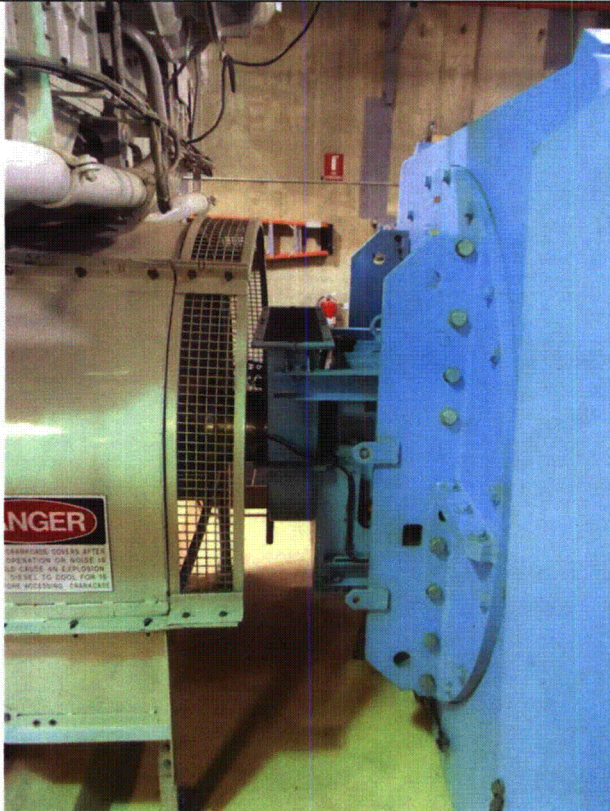
Status: Y N U

Seismic Walkdown Checklist (SWC)

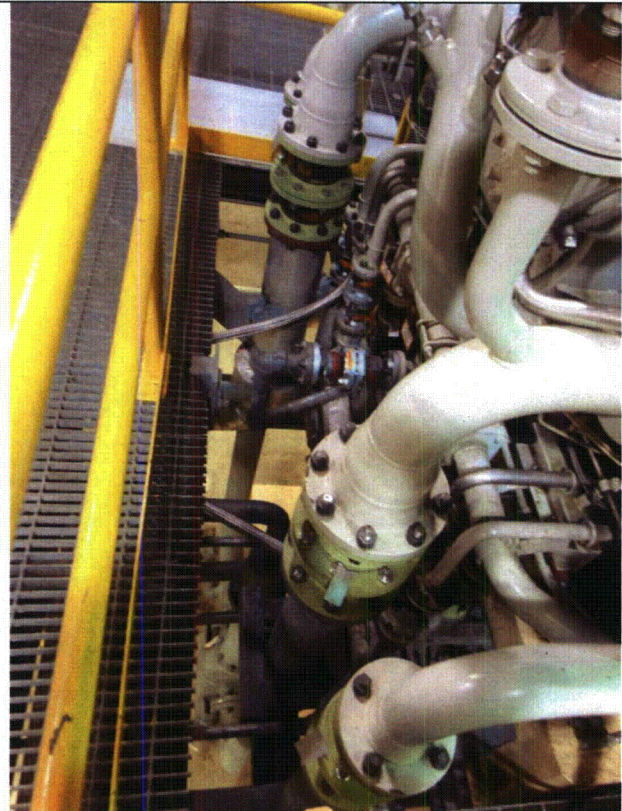
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

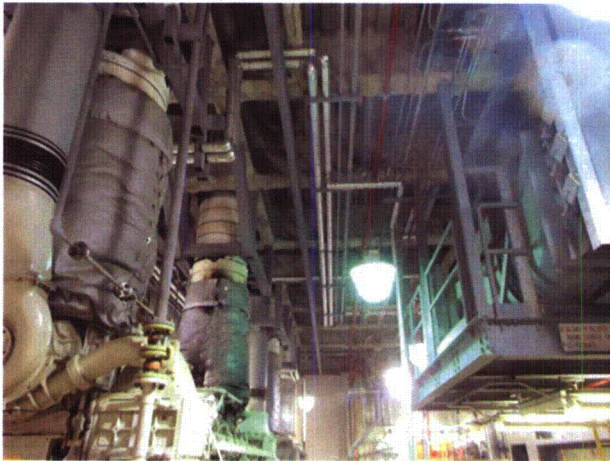
Equipment Description: 1A1 DIESEL ENGINE



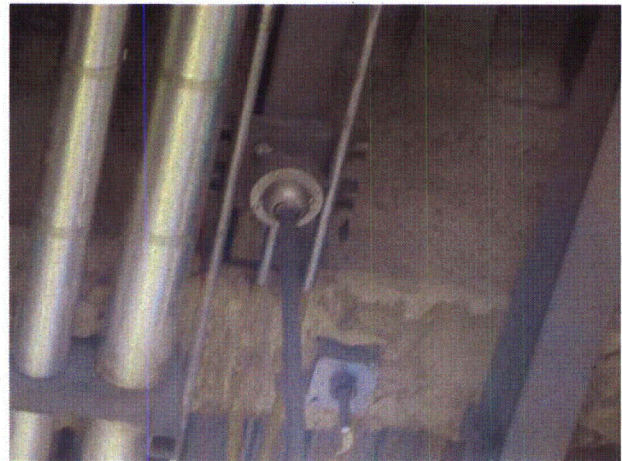
1ENGEDG1A1 8-15-12 028



1ENGEDG1A1 8-15-12 029



1ENGEDG1A1 8-15-12 030



1ENGEDG1A1 8-15-12 031

ATTACHMENT 3

WALKDOWN CHECKLISTS

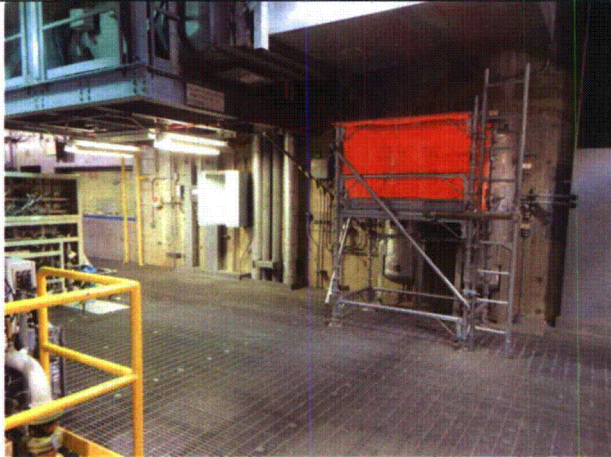
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

Equipment Description: 1A1 DIESEL ENGINE



1ENGEDG1A1 8-15-12 032



1ENGEDG1A1 8-15-12 033

ATTACHMENT 3

WALKDOWN CHECKLISTS

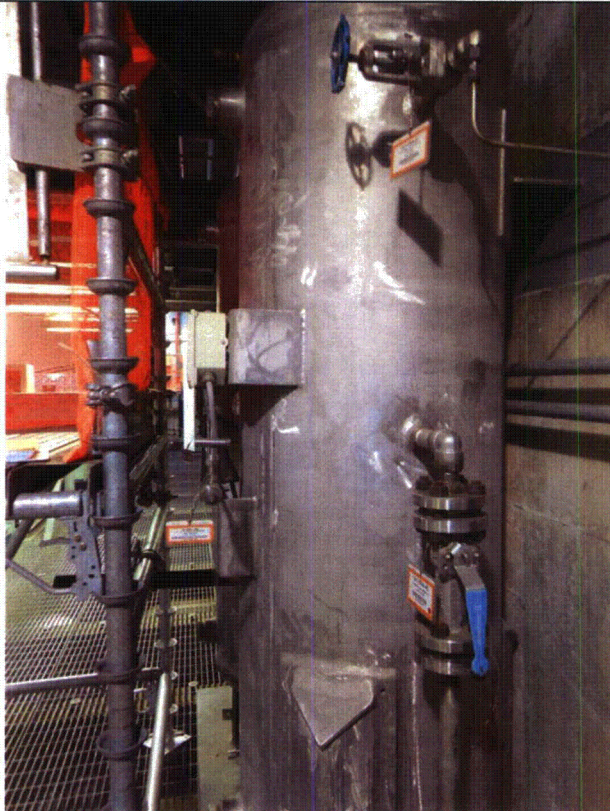
Status: Y N U

Seismic Walkdown Checklist (SWC)

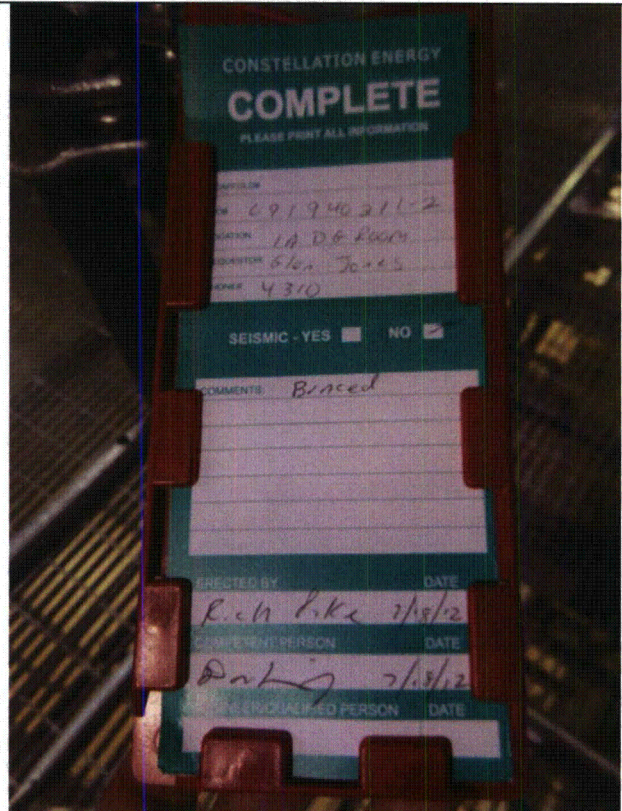
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

Equipment Description: 1A1 DIESEL ENGINE



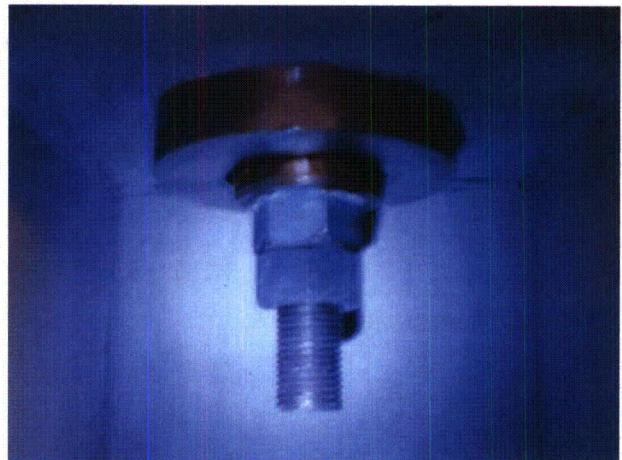
1ENGEDG1A1 8-15-12 034



1ENGEDG1A1 8-15-12 035



1ENGEDG1A1 8-15-12 036



1ENGEDG1A1 8-15-12 037

ATTACHMENT 3
WALKDOWN CHECKLISTS

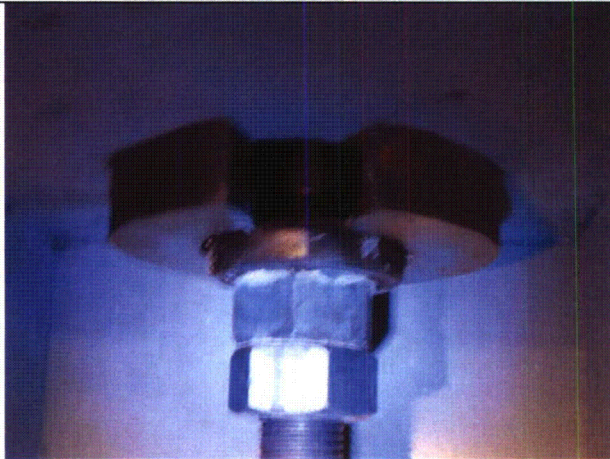
Status: Y N U

Seismic Walkdown Checklist (SWC)

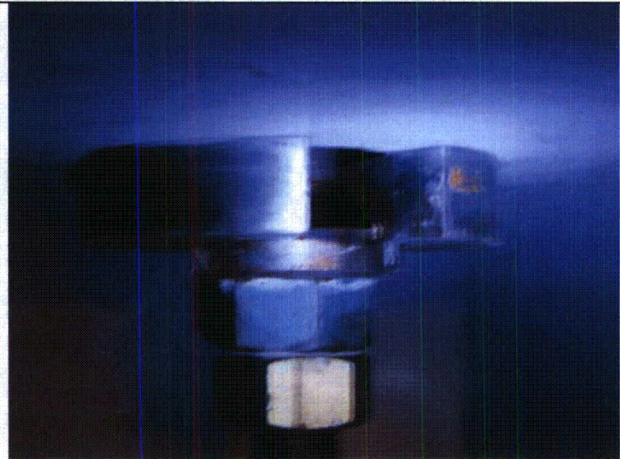
Equipment ID No.: 1ENGEDG1A1

Equipment Class: (17) Engine-Generators

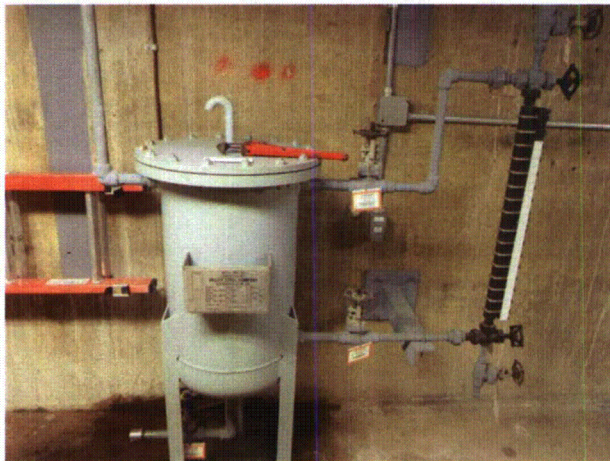
Equipment Description: 1A1 DIESEL ENGINE



1ENGEDG1A1 8-15-12 038



1ENGEDG1A1 8-15-12 039



1ENGEDG1A1 8-15-12 040

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-421

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? No
Concrete crack approximately 1/2" wide near corner anchor. Need to determine if condition is seismically acceptable. CR-2012-009322

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage verified by drawing C-488.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No

Interaction Effects

C-158

**ATTACHMENT 3
WALKDOWN CHECKLISTS**

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B

7. Are soft targets free from impact by nearby equipment or structures? Yes

Masonry block walls, identified as A21 and A24 on drawing A-259, are safety-related and thus seismically rated per IE Bulletin 80-11.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes

*Overhead lights in zone of influence of tubing and gages.
10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and to typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable.*


9. Do attached lines have adequate flexibility to avoid damage? Yes

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Evaluated by:  A. Karavoussianis Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

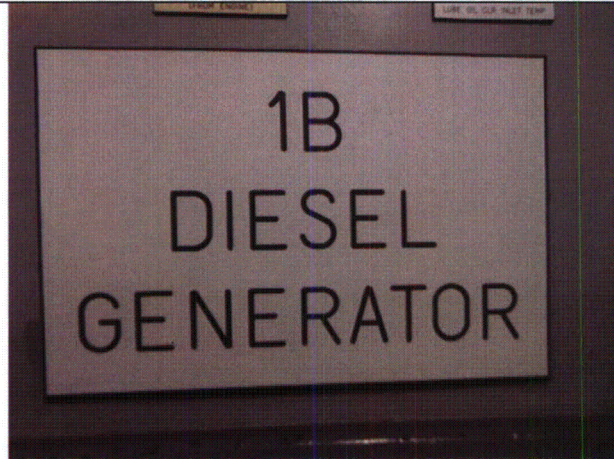
Status: Y N U

Seismic Walkdown Checklist (SWC)

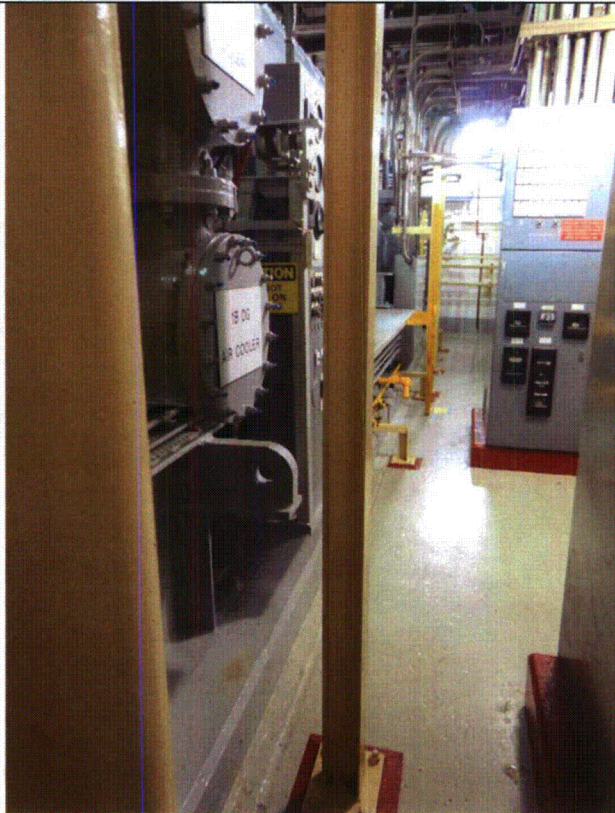
Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 112



1ENGEDG1B 8-13-12 113

ATTACHMENT 3

WALKDOWN CHECKLISTS

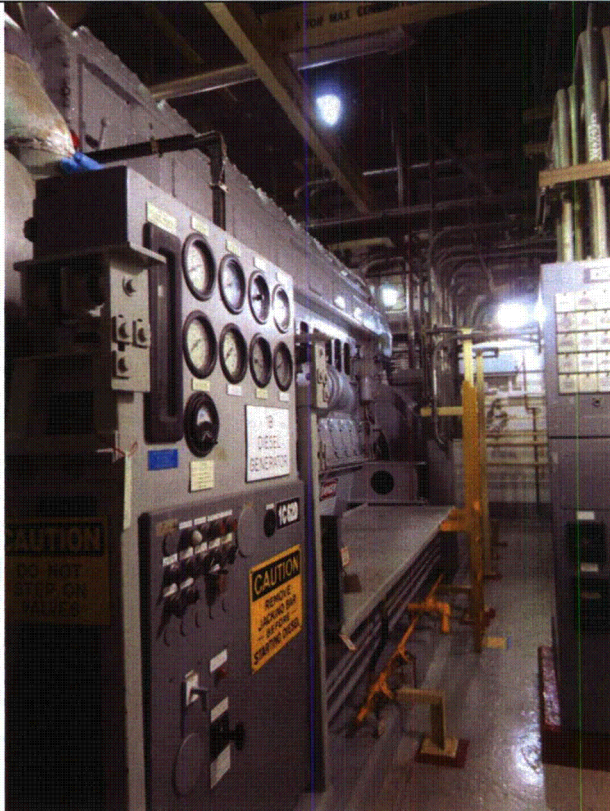
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 114



1ENGEDG1B 8-13-12 115

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 116



1ENGEDG1B 8-13-12 117

ATTACHMENT 3
WALKDOWN CHECKLISTS

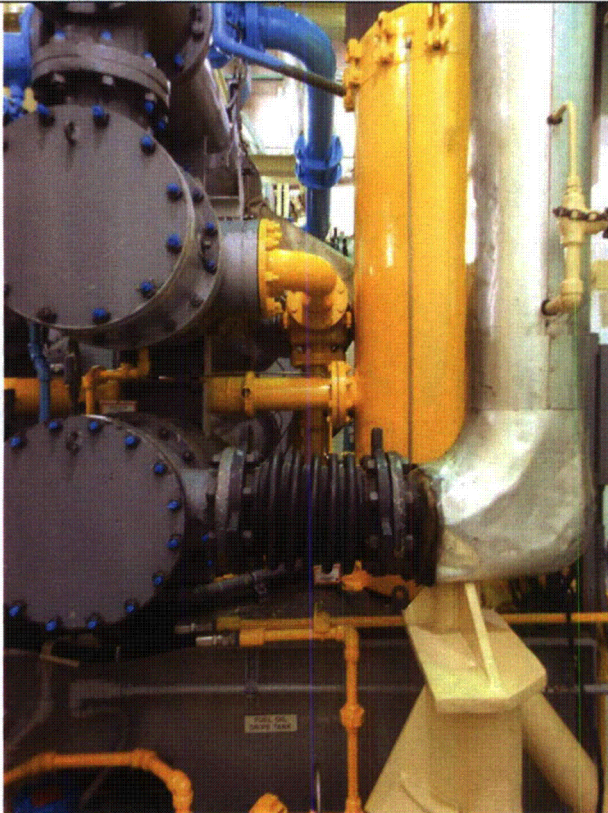
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 118



1ENGEDG1B 8-13-12 119

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

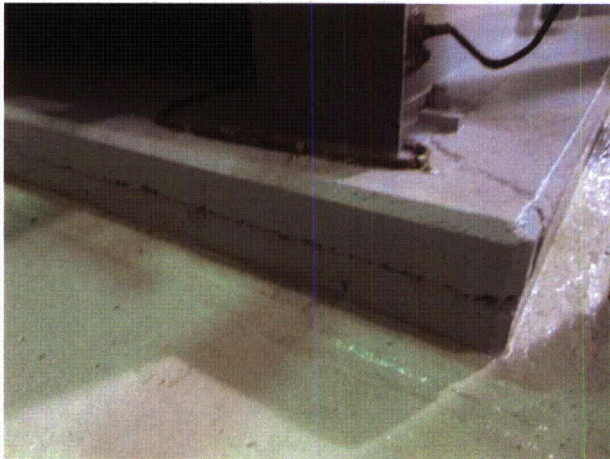
Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 120



1ENGEDG1B 8-13-12 121



1ENGEDG1B 8-13-12 122



1ENGEDG1B 8-13-12 123

ATTACHMENT 3

WALKDOWN CHECKLISTS

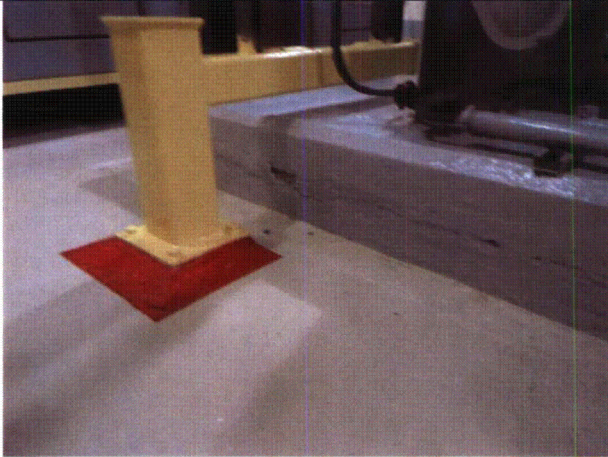
Status: Y N U

Seismic Walkdown Checklist (SWC)

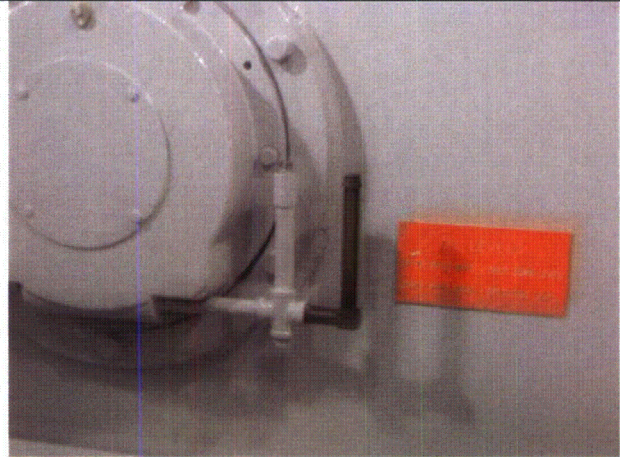
Equipment ID No.: 1ENGEDG1B

Equipment Class: (17) Engine-Generators

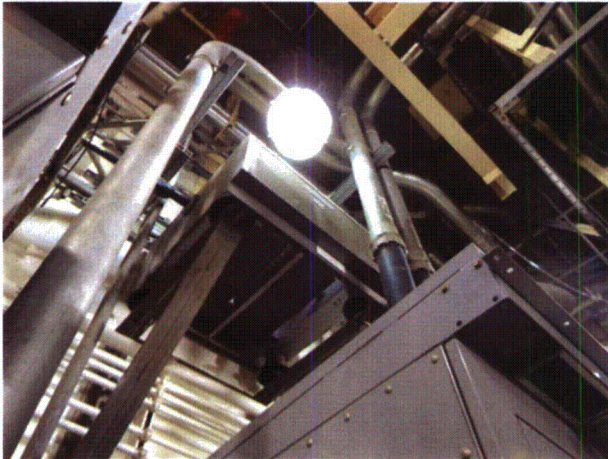
Equipment Description: EMERGENCY DIESEL GENERATOR 1B



1ENGEDG1B 8-13-12 124



1ENGEDG1B 8-13-12 125



1ENGEDG1B 8-13-12 126

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, -15.00 ft, CAL-AB-118

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

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

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Bottom of equipment is bolted to C5 by 2 – 1-3/16 F-F bolts at each end. C5 is welded to embed steel in the wall at one end and to another C5, which in turn is welded to embeds at each end on the other side of the fan unit. Top of fan is welded to 3 angle frames. Frames are braced to each other and welded to angle runners which in turn are weld to ceiling embeds at 4 places per runner. Need documentation to verify anchorage configuration.

Walkdown as-built anchorage description is consistent with drawing 63517 sheet 2.

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
-

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

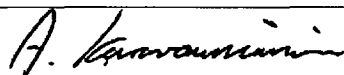
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes
-

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

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A



C. Figliolini

11/09/2012

Photos



1FAN0448A 8-7-12 220



1FAN0448A 8-7-12 221

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A



1FAN0448A 8-7-12 222



1FAN0448A 8-7-12 223

ATTACHMENT 3

WALKDOWN CHECKLISTS

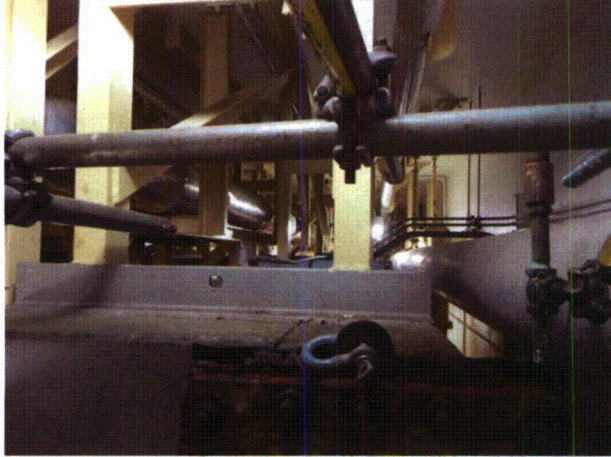
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

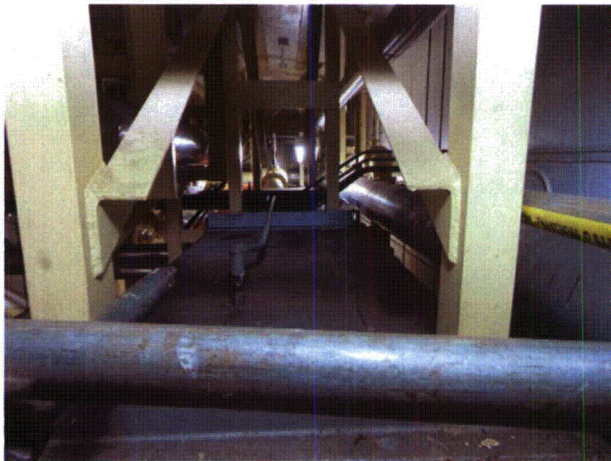
Equipment Description: ECCS PP RM CLR 12 FAN A



1FAN0448A 8-7-12 224



1FAN0448A 8-7-12 227



1FAN0448A 8-7-12 228



1FAN0448A 8-7-12 229

ATTACHMENT 3

WALKDOWN CHECKLISTS

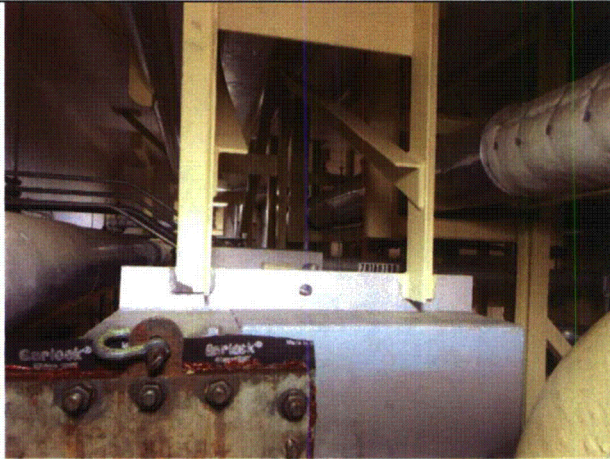
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

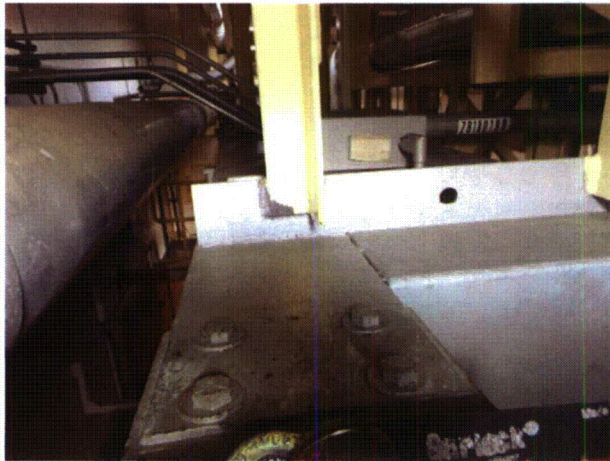
Equipment Description: ECCS PP RM CLR 12 FAN A



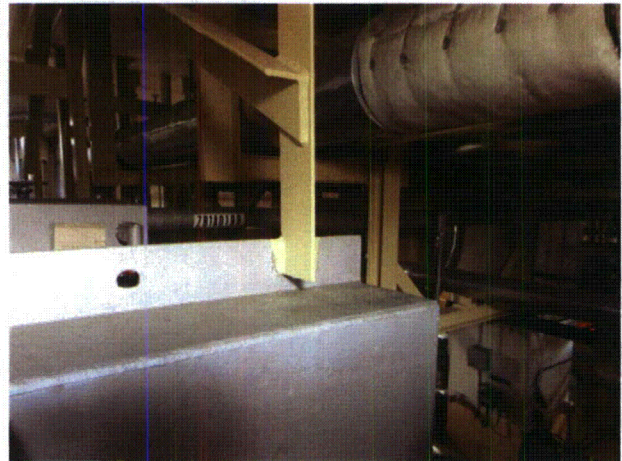
1FAN0448A 8-7-12 230



1FAN0448A 8-7-12 231



1FAN0448A 8-7-12 232



1FAN0448A 8-7-12 233

ATTACHMENT 3
WALKDOWN CHECKLISTS

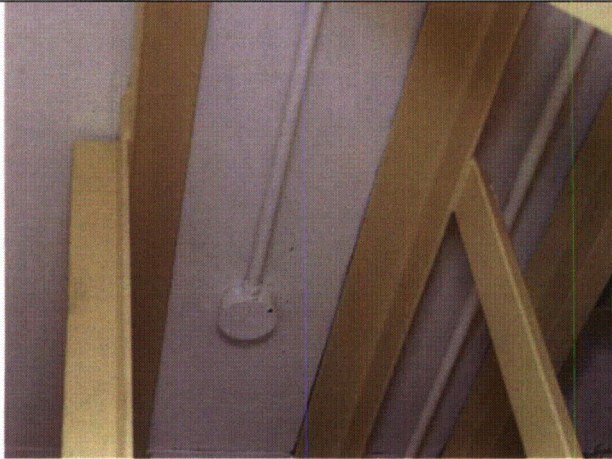
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FAN0448A

Equipment Class: (9) Fans

Equipment Description: ECCS PP RM CLR 12 FAN A



1FAN0448A 8-7-12 234



1FAN0448A 8-7-12 235

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

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

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): DG, 45.00 ft, CAL-DGB1-DB102

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans


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


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
- Lines attached to equipment consist of flex conduit and the fan is connected to ductwork via bellows, both having adequate flexibility, therefore no 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

 11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

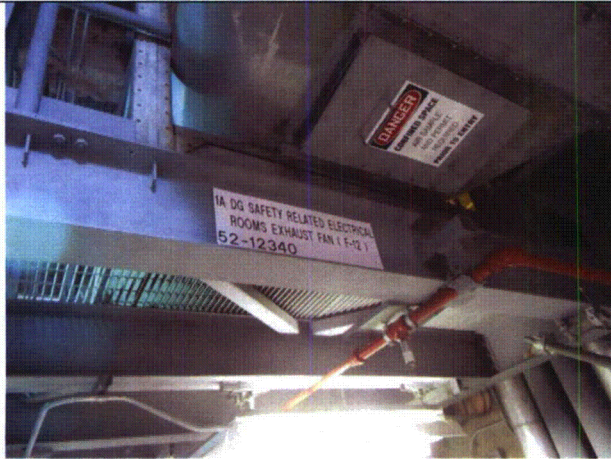
Status: Y N U

Seismic Walkdown Checklist (SWC)

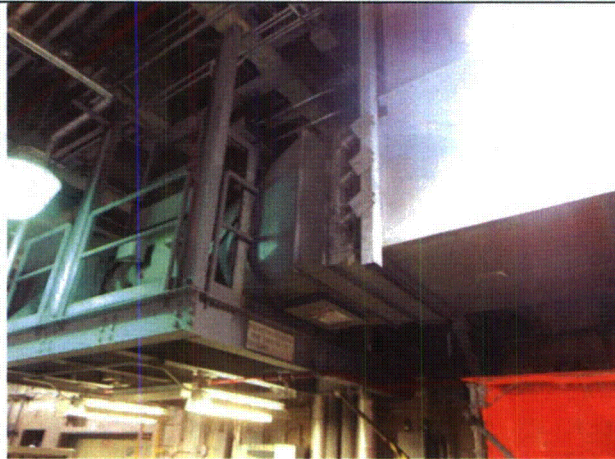
Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

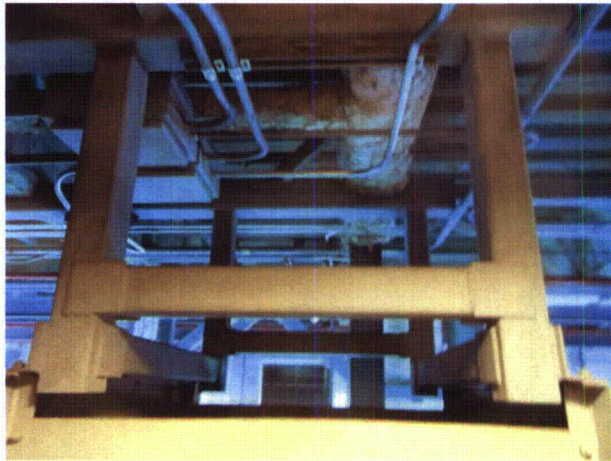
Equipment Description: ELEC ROOMS EXH FAN (F-12)



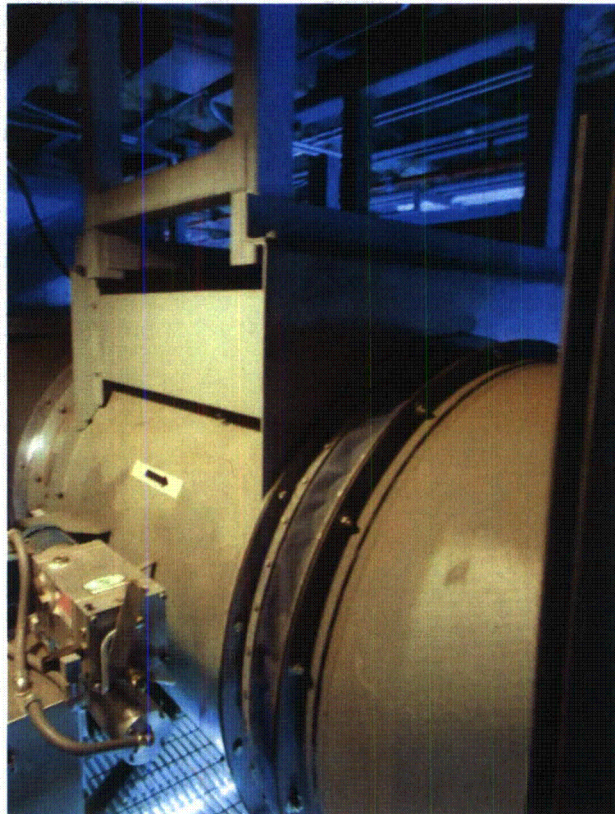
1FANHVAC10546 8-15-12 041



1FANHVAC10546 8-15-12 042



1FANHVAC10546 8-15-12 043



1FANHVAC10546 8-15-12 044

ATTACHMENT 3
WALKDOWN CHECKLISTS

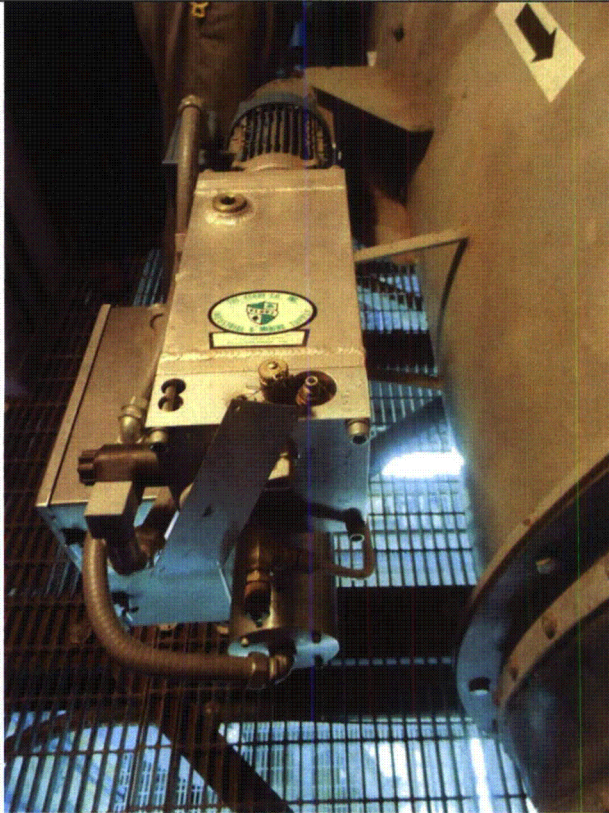
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

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



1FANHVAC10546 8-15-12 045



1FANHVAC10546 8-15-12 046

ATTACHMENT 3
WALKDOWN CHECKLISTS

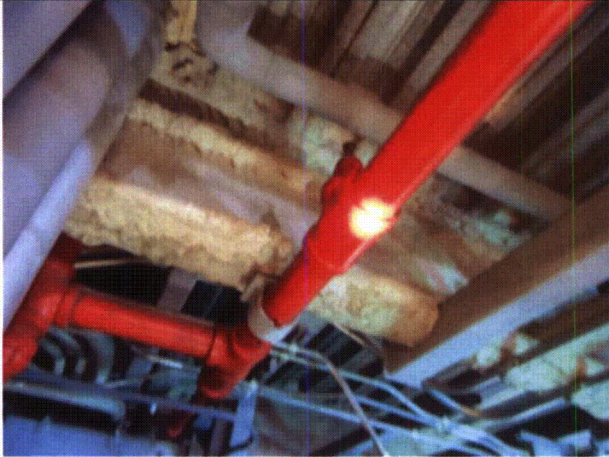
Status: Y N U

Seismic Walkdown Checklist (SWC)

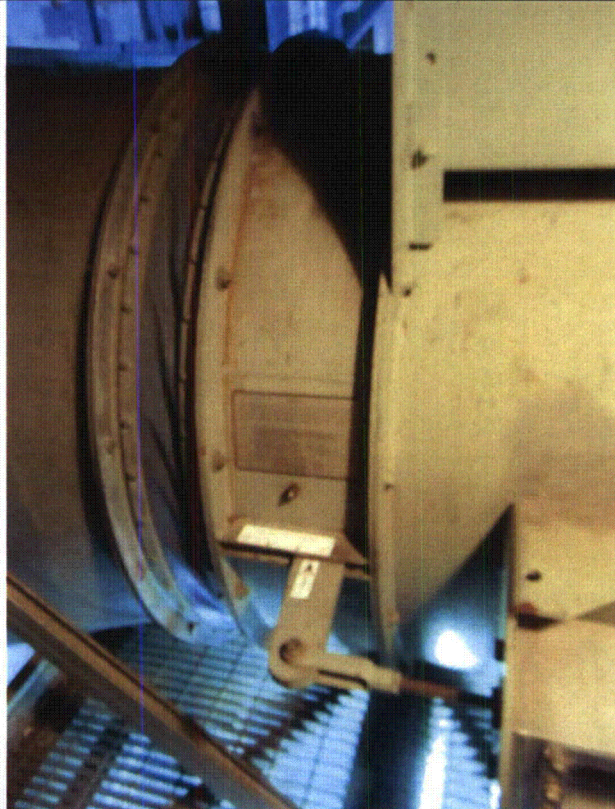
Equipment ID No.: 1FANHVAC10546

Equipment Class: (9) Fans

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



1FANHVAC10546 8-15-12 047



1FANHVAC10546 8-15-12 048

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

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

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): DG, 89.00 ft, CAL-DGB1-DB307

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) No
Anchorage is consistent however mounting detail substituted lock washers for double nuts. Anchorage verified by drawings 85-051-E. CR-2012-009658

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
The mounting detail substituted is not an adverse seismic condition, but simple a documentation issue.

Interaction Effects

C-178

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

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

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

Lines attached to equipment consist of flex conduit having adequate flexibility, therefore no seismic concern.

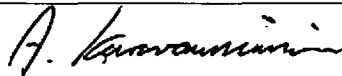
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

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

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

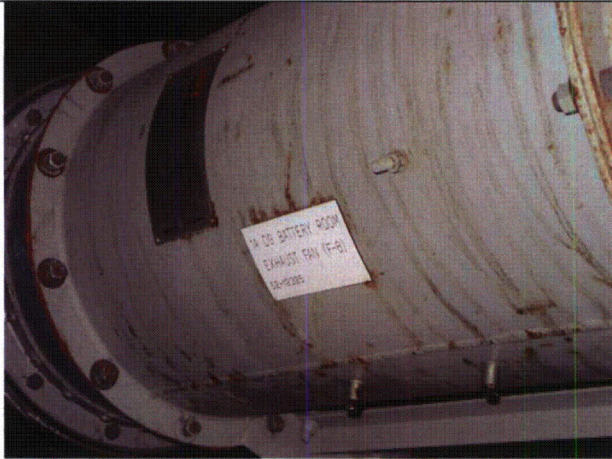
Status: Y N U

Seismic Walkdown Checklist (SWC)

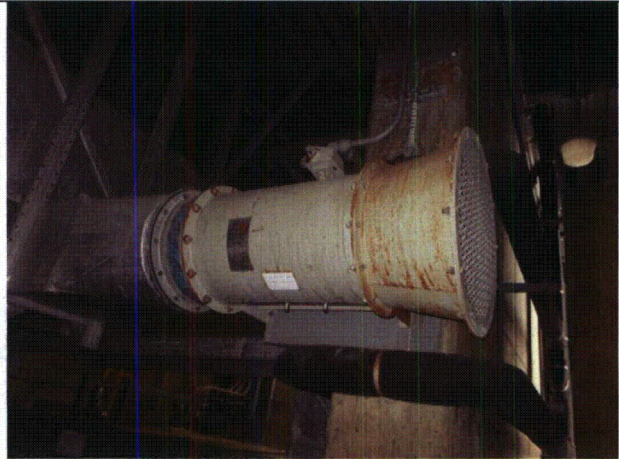
Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

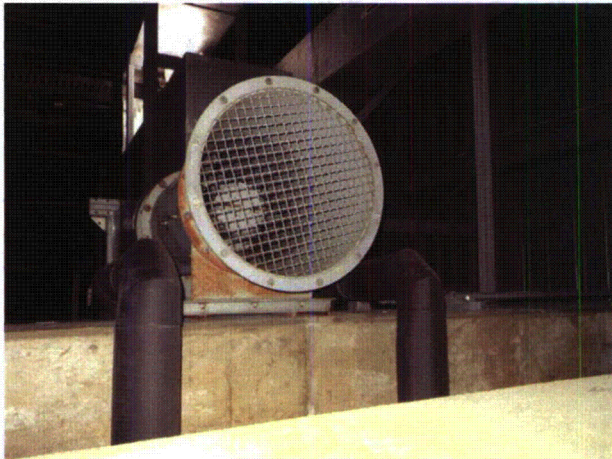
Equipment Description: BATTERY RM EXH FAN (F-8)



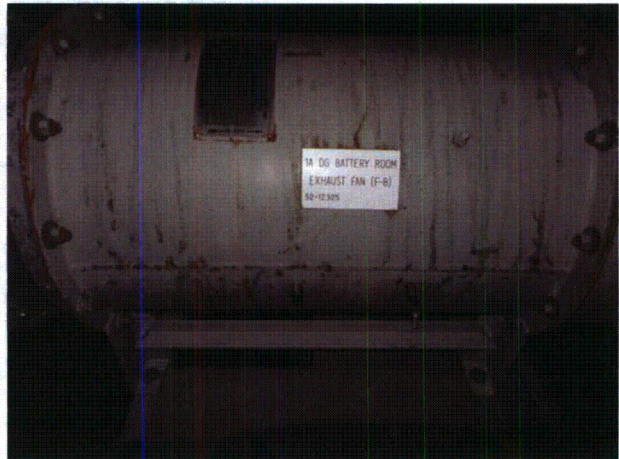
1FANHVAC10562 8-15-12 086



1FANHVAC10562 8-15-12 087



1FANHVAC10562 8-15-12 088



1FANHVAC10562 8-15-12 089

ATTACHMENT 3
WALKDOWN CHECKLISTS

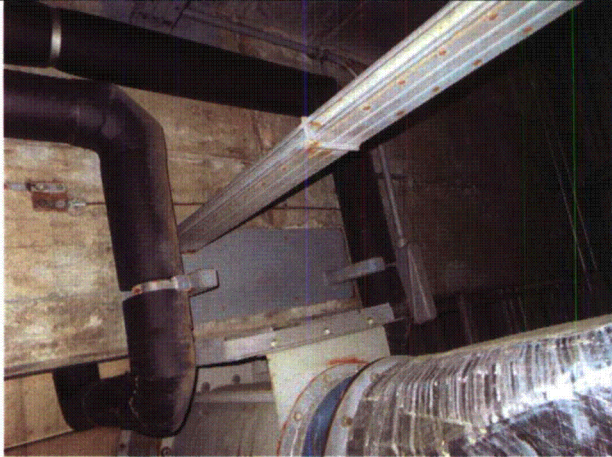
Status: Y N U

Seismic Walkdown Checklist (SWC)

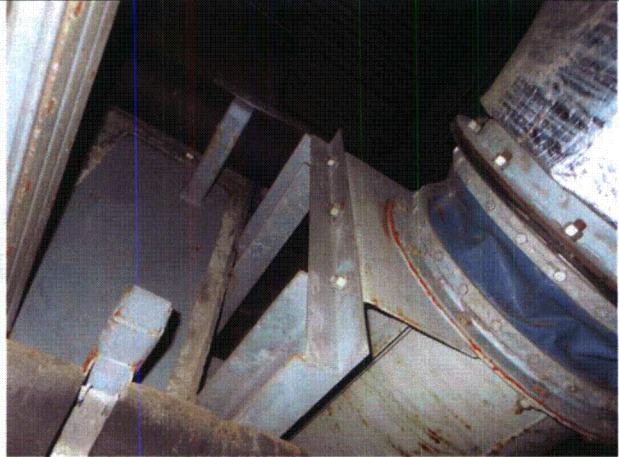
Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

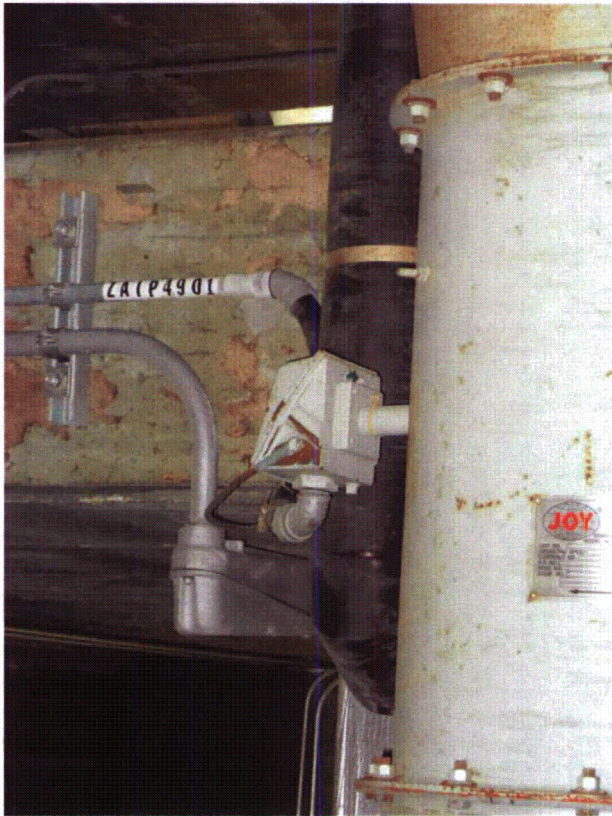
Equipment Description: BATTERY RM EXH FAN (F-8)



1FANHVAC10562 8-15-12 090



1FANHVAC10562 8-15-12 091



1FANHVAC10562 8-15-12 092

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10562

Equipment Class: (9) Fans

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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10565

Equipment Class: (9) Fans

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

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): DG, 89.00 ft, CAL-DGB1-DB307

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | |
|--|----------------|
| 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? | No |
| 2. Is the anchorage free of bent, broken, missing or loose hardware?
<i>Equipment was observed from the floor; the fan is about 25' overhead.</i> | 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.) | Not Applicable |
-

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10565

Equipment Class: (9) Fans

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

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Lines attached to equipment consist of flex conduit and flexible hose, both having adequate flexibility, therefore no seismic concern.
-

Interaction Effects

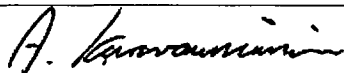
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based 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

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVAC10565

Equipment Class: (9) Fans

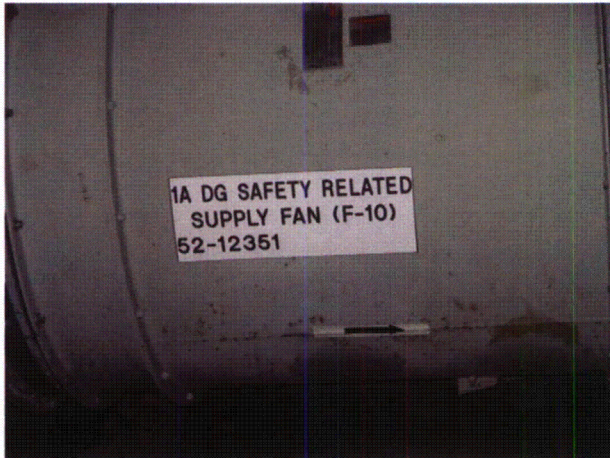
Equipment Description: DG BLDG SR SYS SUPP FAN (F-10)



C. Figliolini

11/09/2012

Photos



1FANHVAC10565 8-15-12 094



1FANHVAC10565 8-15-12 095



1FANHVAC10565 8-15-12 096



1FANHVAC10565 8-15-12 097

ATTACHMENT 3
WALKDOWN CHECKLISTS

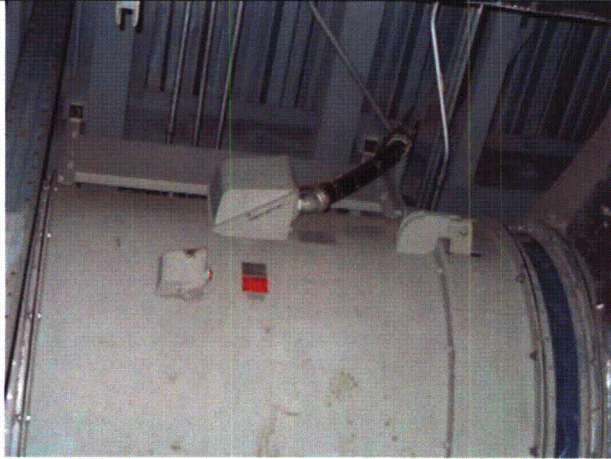
Status: Y N U

Seismic Walkdown Checklist (SWC)

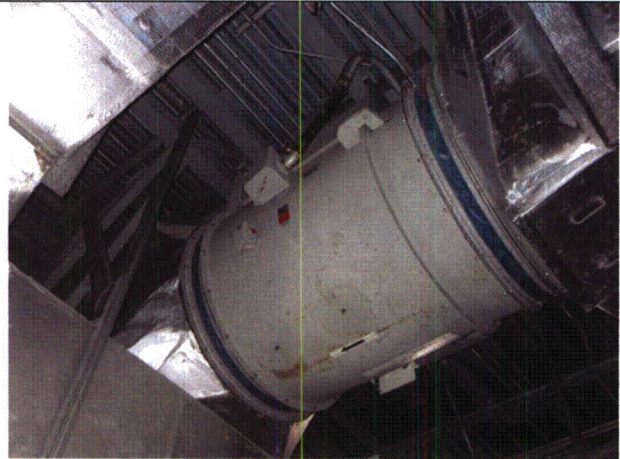
Equipment ID No.: 1FANHVAC10565

Equipment Class: (9) Fans

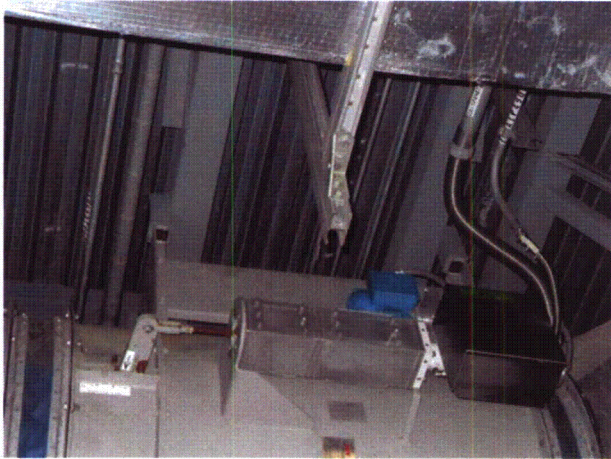
Equipment Description: DG BLDG SR SYS SUPP FAN (F-10)



1FANHVAC10565 8-15-12 098



1FANHVAC10565 8-15-12 099



1FANHVAC10565 8-15-12 100

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-524

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? No
One anchor bolt is corroded and so is its plate. CR-2012-009535

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) No
Anchorage has been modified. Need to determine if anchorage configuration is consistent with plant documentation. CR-2012-009730

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN

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
Overhead light if not IIII may fall on equipment.
10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and to typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable.
9. Do attached lines have adequate flexibility to avoid damage? Yes
Lines attached to equipment consist of flexible instrumentation tubing. Also, ductwork is well supported and braced and is attached to the AHU via a bellows. All attachment have adequate flexibility, therefore no seismic concern.
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes
-

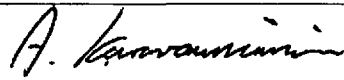
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
-

Comments

Fan 1FANHVACSWGRS11 is integral to the overall HVACSWGRS11 air handling unit. The anchorage and spatial interactions for the air handling unit were evaluated as a whole.

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3

WALKDOWN CHECKLISTS

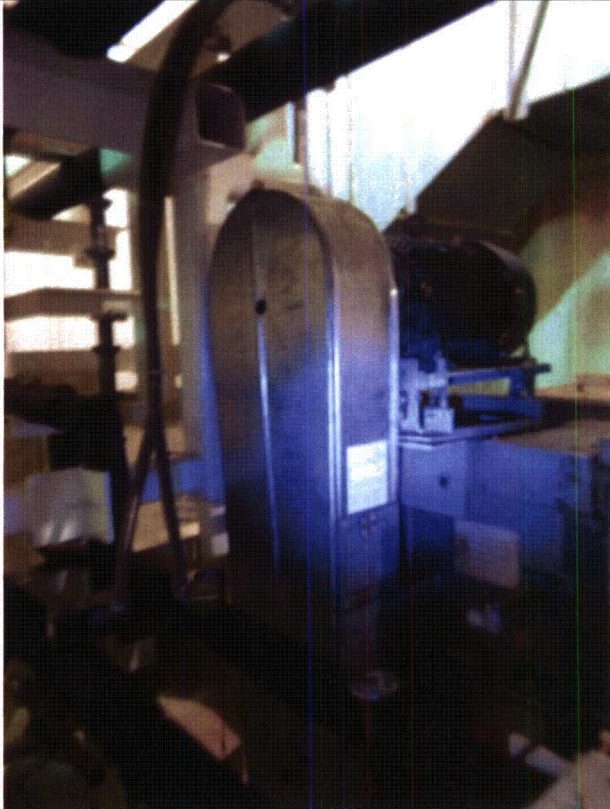
Status: Y N U

Seismic Walkdown Checklist (SWC)

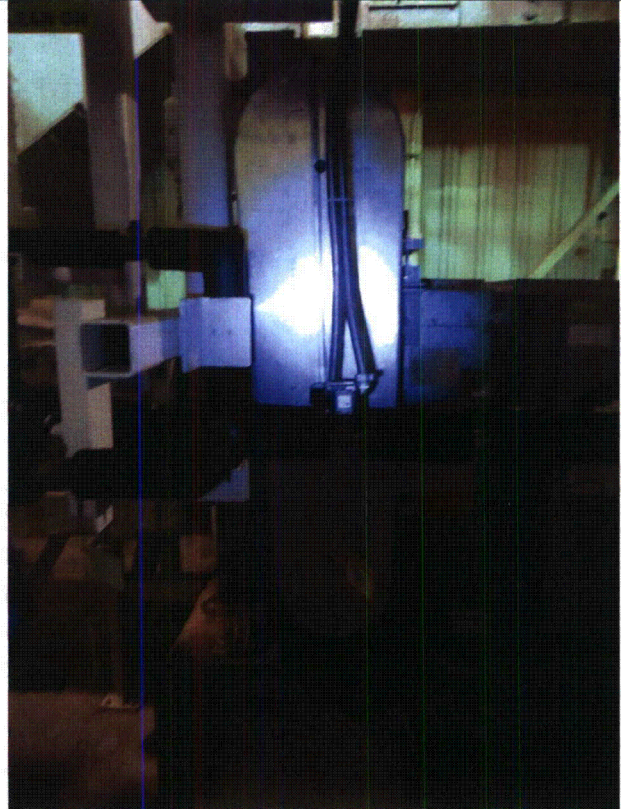
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



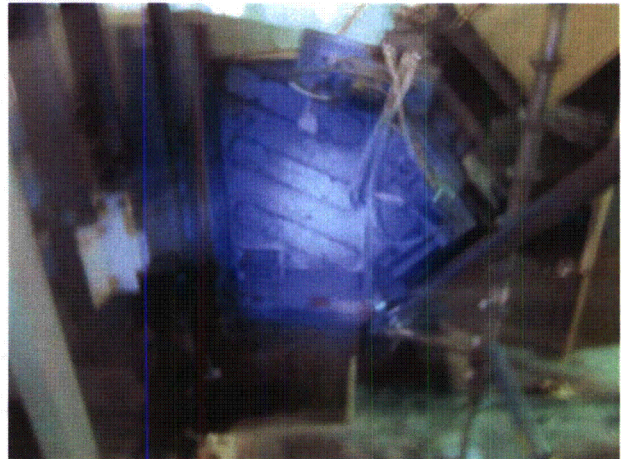
1FANHVACSWGRS11 8-10-12 120



1FANHVACSWGRS11 8-10-12 121



1FANHVACSWGRS11 8-10-12 122



1FANHVACSWGRS11 8-10-12 123

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

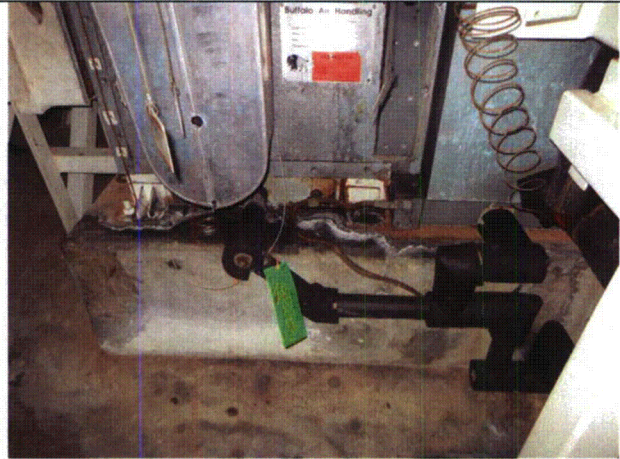
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

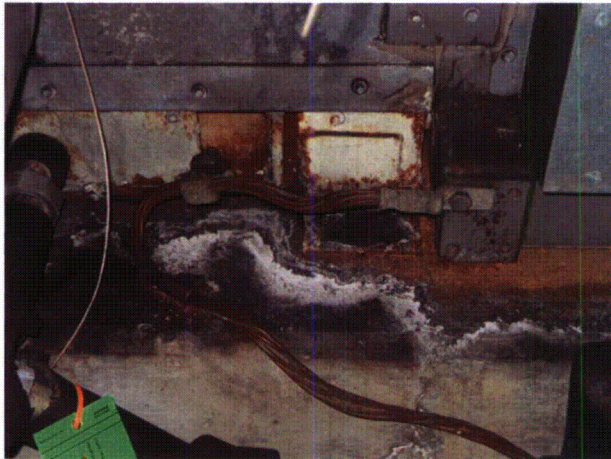
Equipment Description: 11 SWGR RM SPLY FAN



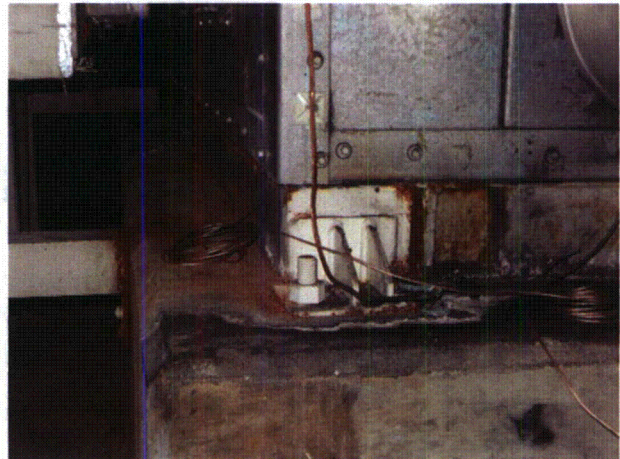
1FANHVACSWGRS11 8-10-12 124



1FANHVACSWGRS11 8-10-12 125



1FANHVACSWGRS11 8-10-12 126



1FANHVACSWGRS11 8-10-12 127

ATTACHMENT 3
WALKDOWN CHECKLISTS

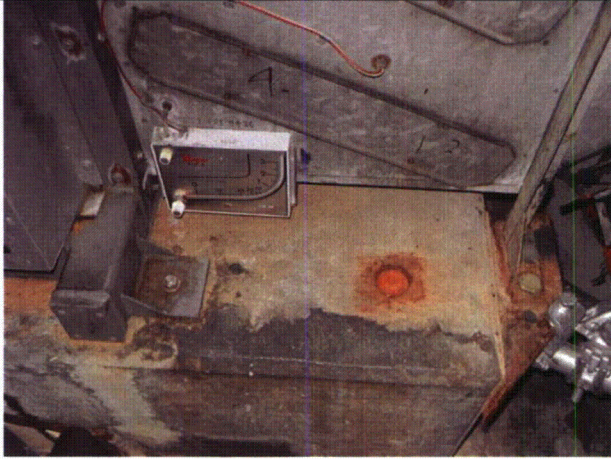
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 128



1FANHVACSWGRS11 8-10-12 129

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

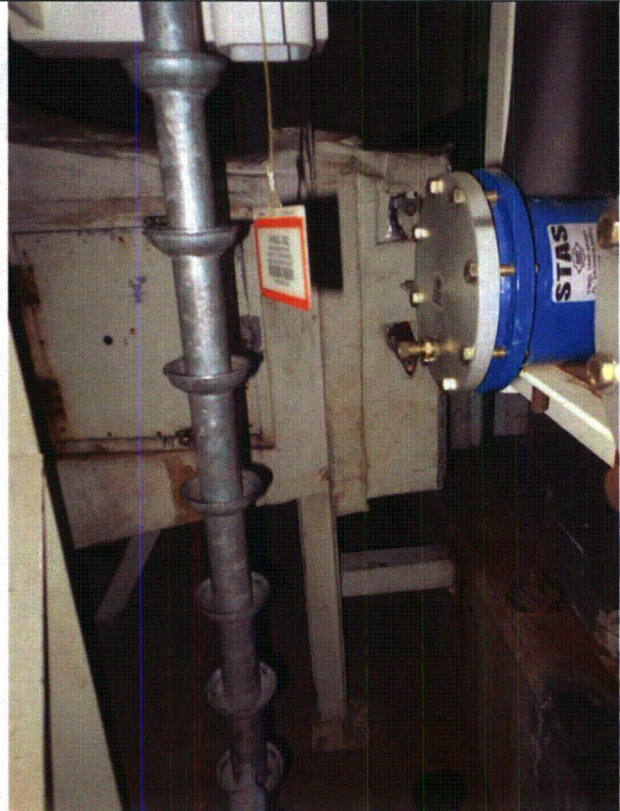
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 130



1FANHVACSWGRS11 8-10-12 131

ATTACHMENT 3
WALKDOWN CHECKLISTS

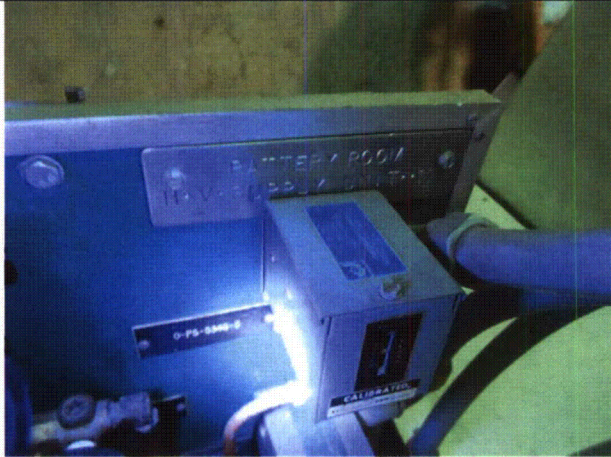
Status: Y N U

Seismic Walkdown Checklist (SWC)

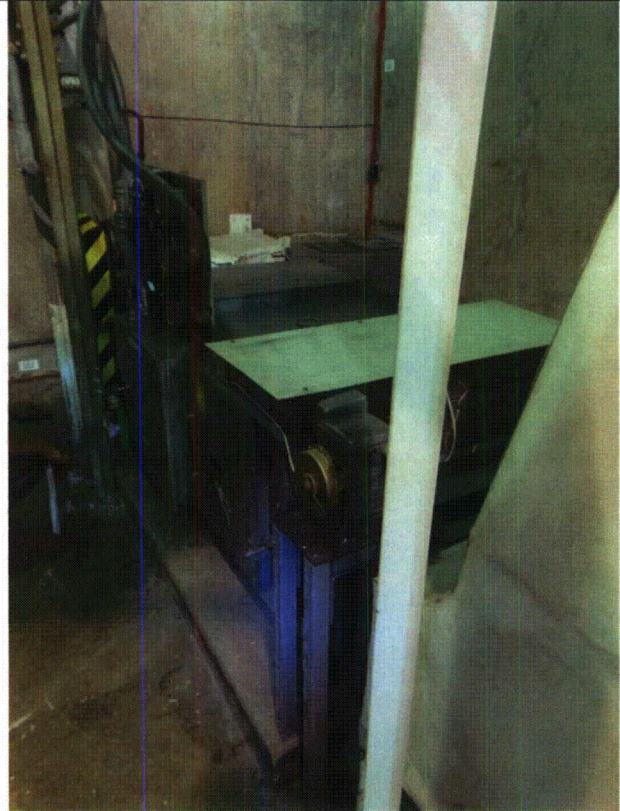
Equipment ID No.: 1FANHVACSWGRS11

Equipment Class: (9) Fans

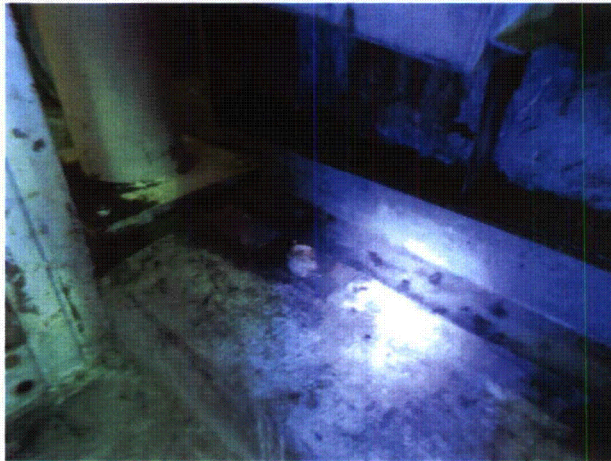
Equipment Description: 11 SWGR RM SPLY FAN



1FANHVACSWGRS11 8-10-12 132



1FANHVACSWGRS11 8-10-12 133



1FANHVACSWGRS11 8-10-12 134

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-224

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% 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.) No
Anchorage verified by Drawings 65300 sheet 3 and 91005 (J-104). The web of the support channel is not fully welded to the wall anchor plates. The channel's web weld is approximately 3" long instead of being continuous. CR-2012-009348

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B

Interaction Effects

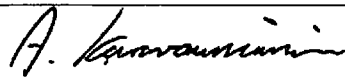
- | | |
|---|-----|
| 7. Are soft targets free from impact by nearby equipment or structures? | Yes |
| | |
| 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? | Yes |
| | |
| 9. Do attached lines have adequate 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

Photos

ATTACHMENT 3

WALKDOWN CHECKLISTS

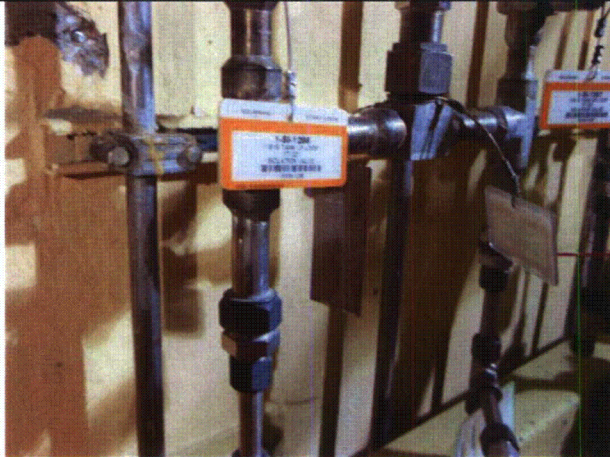
Status: Y N U

Seismic Walkdown Checklist (SWC)

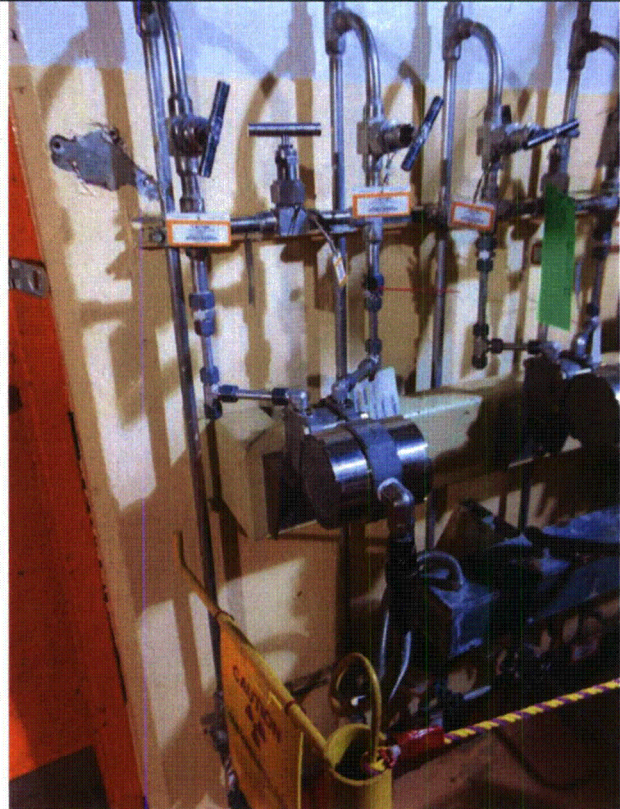
Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B



1FT321 8-6-12 107



1FT321 8-6-12 108

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B



1FT321 8-6-12 109



1FT321 8-6-12 111

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT321

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

Equipment Description: HPSI FLOW TO LOOP 11B



1FT321 8-6-12 112

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

Equipment Description: LPSI FLOW TO LOOP 11B

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-224

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% 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.) No
Anchorage verified by Drawing 91005 (J-104). The web of the support channel is not fully welded to the wall anchor plates. The channel's web weld is approximately 3" long instead of being continuous. CR-2012-009348

 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? No
-

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

Equipment Description: LPSI FLOW TO LOOP 11B

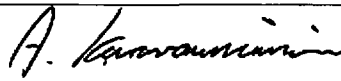
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based 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

Photos

ATTACHMENT 3

WALKDOWN CHECKLISTS

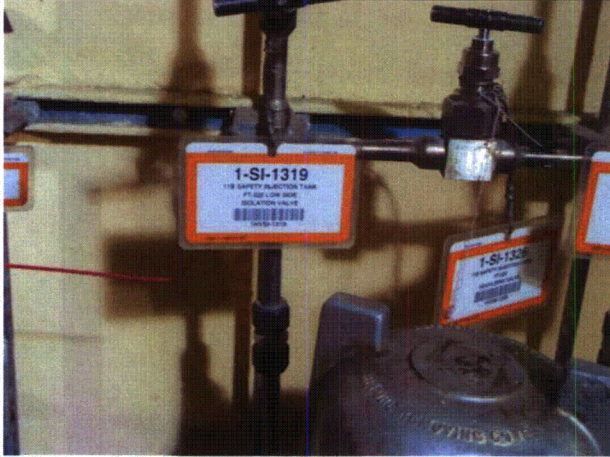
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

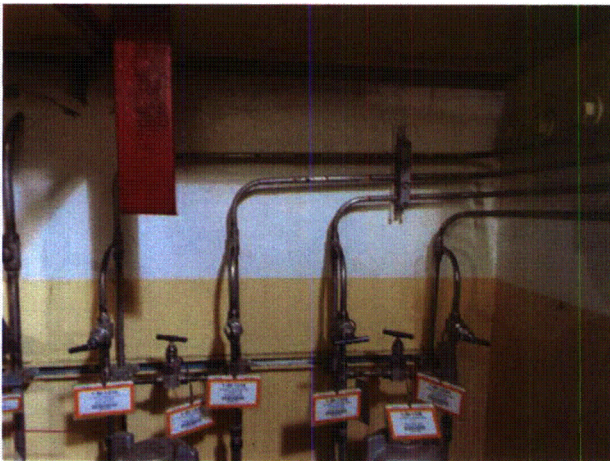
Equipment Description: LPSI FLOW TO LOOP 11B



1FT322 8-6-12 113



1FT322 8-6-12 114



1FT322 8-6-12 115



1FT322 8-6-12 117

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1FT322

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

Equipment Description: LPSI FLOW TO LOOP 11B



1FT322 8-6-12 118

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-524

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
This damper is part of AHU 11SWGRHVAC.

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

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.) Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR

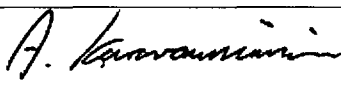

- | | | |
|-----|--|-----|
| 7. | Are soft targets free from impact by nearby equipment or structures? | Yes |
| 8. | Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? | Yes |
| 9. | Do attached lines have adequate 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

Rule-of-Box to 11SWGRHVAC

Evaluated by:	 A. Karavoussianis	Date:	11/09/2012
	 C. Figliolini		11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR



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



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

ATTACHMENT 3
WALKDOWN CHECKLISTS

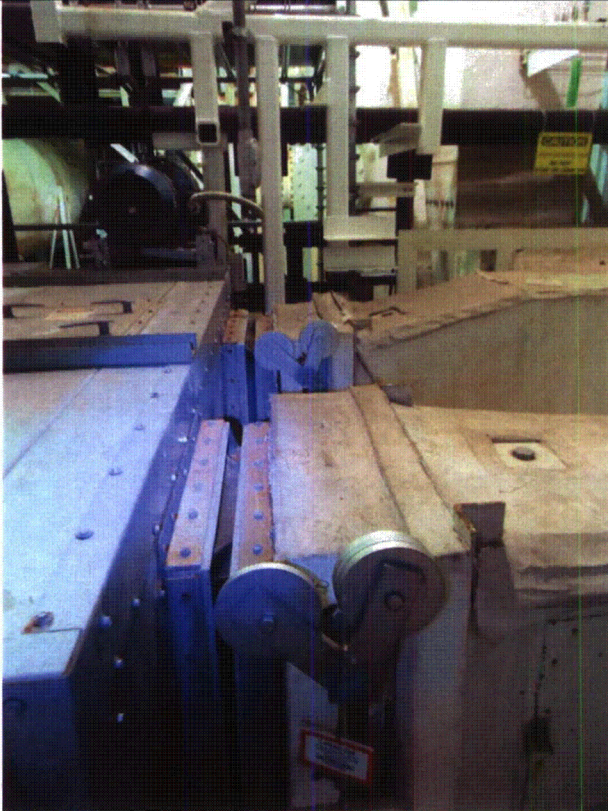
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1GDHVAC/A-228

Equipment Class: (10) Air Handlers

Equipment Description: 11 SWGR HVAC DISCH GRAV DMPR



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

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLING HEAT EXCH 11

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 5.00 ft, CAL-AB-228

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage is verified by drawing FSK-C-0084.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

**ATTACHMENT 3
WALKDOWN CHECKLISTS**

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLING HEAT EXCH 11

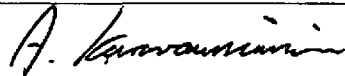
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Scaffold to the west side of heat exchanger is tagged as seismic, therefore no concern.
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes
-

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
-

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

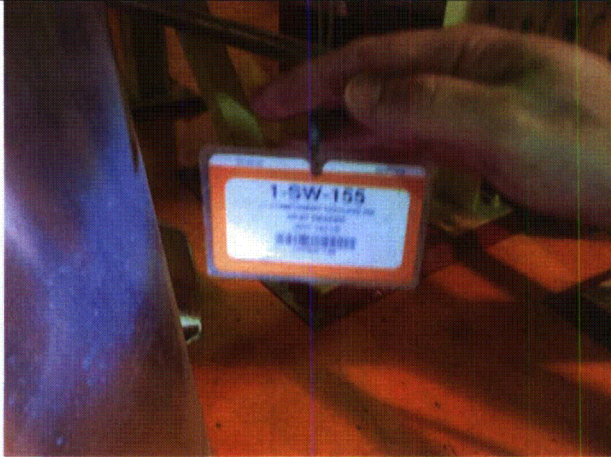
Status: Y N U

Seismic Walkdown Checklist (SWC)

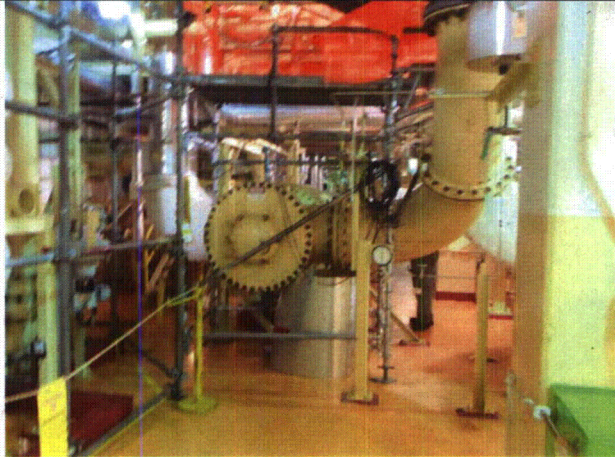
Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

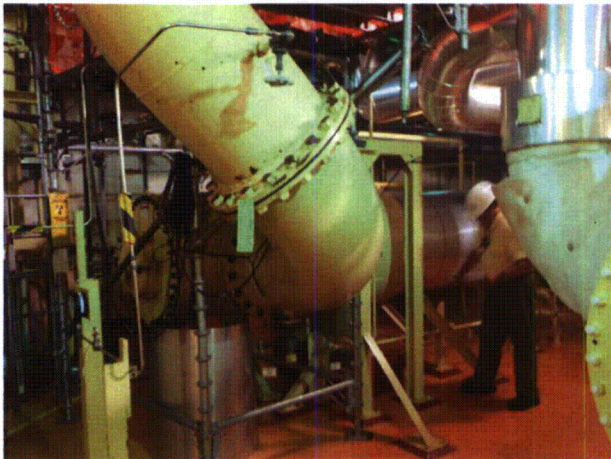
Equipment Description: COMPONENT COOLING HEAT EXCH 11



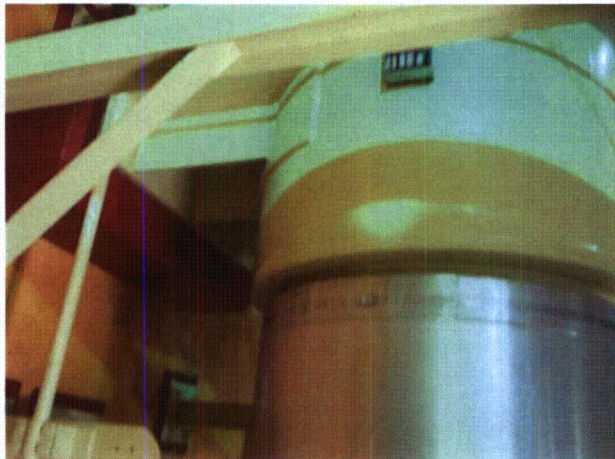
1HXCC11 8-7-12 163



1HXCC11 8-7-12 164



1HXCC11 8-7-12 165



1HXCC11 8-7-12 166

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

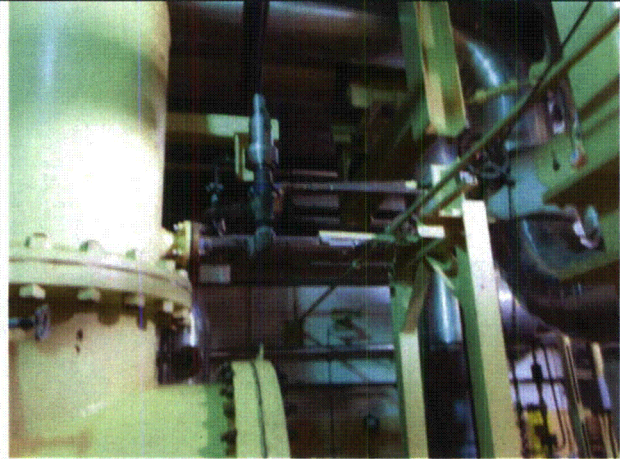
Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLING HEAT EXCH 11



1HXCC11 8-7-12 168



1HXCC11 8-7-12 169

ATTACHMENT 3
WALKDOWN CHECKLISTS

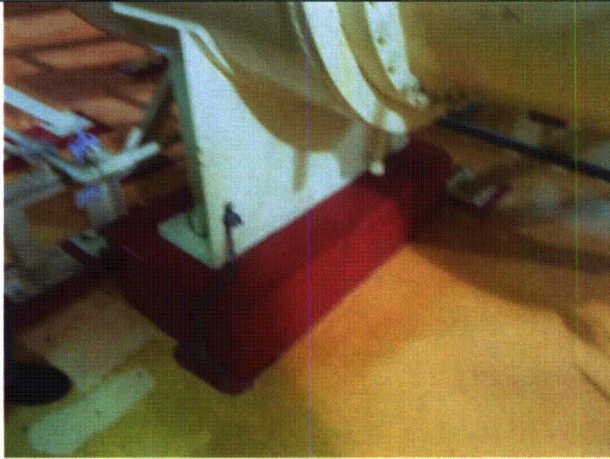
Status: Y N U

Seismic Walkdown Checklist (SWC)

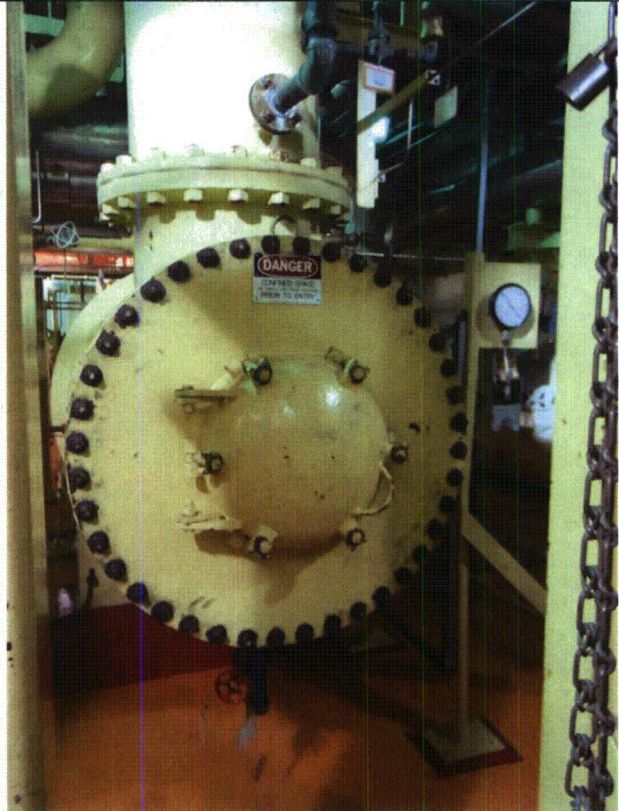
Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

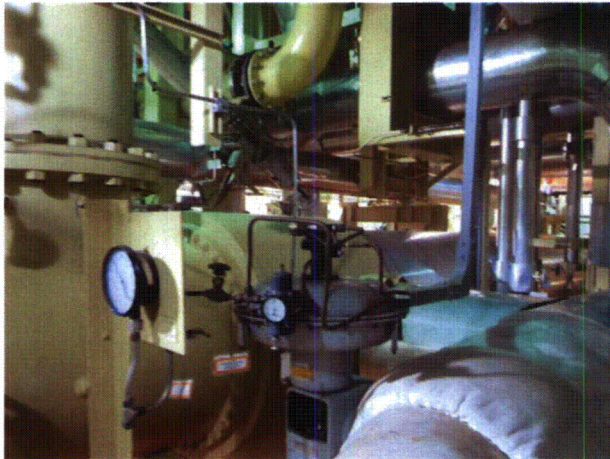
Equipment Description: COMPONENT COOLING HEAT EXCH 11



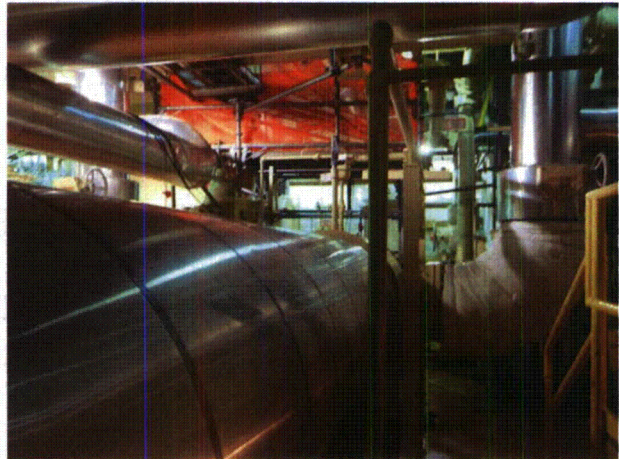
1HXCC11 8-7-12 170



1HXCC11 8-7-12 171



1HXCC11 8-7-12 172



1HXCC11 8-7-12 173

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

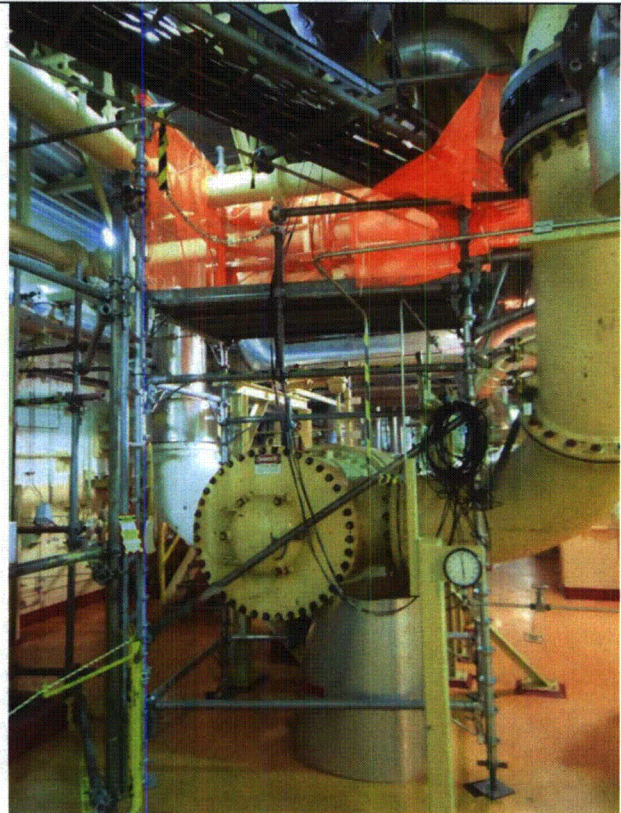
Equipment ID No.: 1HXCC11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: COMPONENT COOLING HEAT EXCH 11



1HXCC11 8-7-12 174



1HXCC11 8-7-12 175

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-ARF

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
Equipment is anchored to steel protruding from roof.

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage is consistent with drawing 15869-0001 SH0001 Rev.0.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT

7. Are soft targets free from impact by nearby equipment or structures? Yes

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Not Applicable


9. Do attached lines have adequate flexibility to avoid damage? Yes

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Evaluated by:  A. Karavoussianis Date: 11/09/2012

 11/09/2012
C. Figliolini

Photos

ATTACHMENT 3

WALKDOWN CHECKLISTS

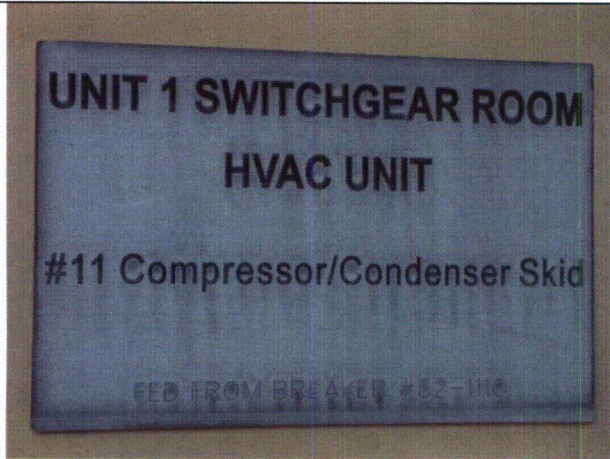
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT



1HXHVACSWGRCU11 8-13-12 001



1HXHVACSWGRCU11 8-13-12 002



1HXHVACSWGRCU11 8-13-12 003



1HXHVACSWGRCU11 8-13-12 004

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

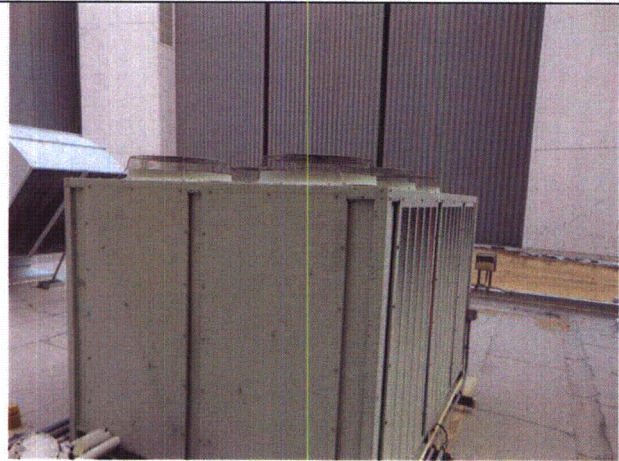
Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

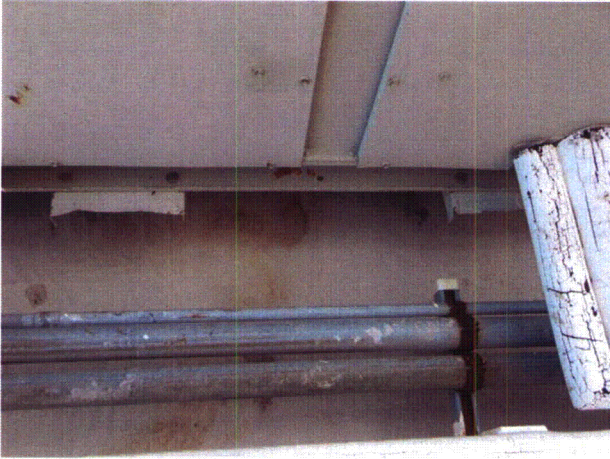
Equipment Description: 11 SWGR HVAC CNDSR UNIT



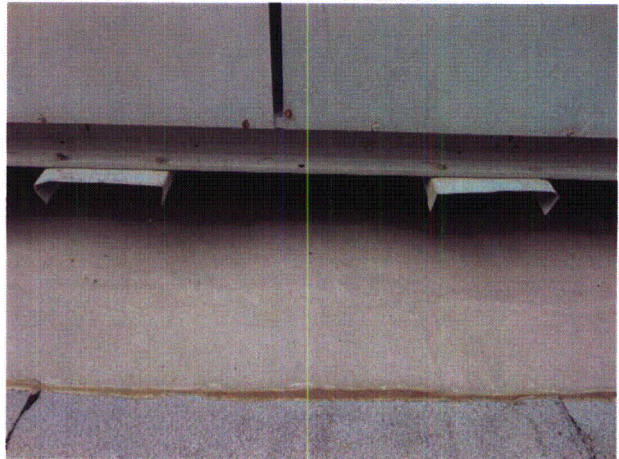
1HXHVACSWGRCU11 8-13-12 005



1HXHVACSWGRCU11 8-13-12 006



1HXHVACSWGRCU11 8-13-12 007



1HXHVACSWGRCU11 8-13-12 008

ATTACHMENT 3
WALKDOWN CHECKLISTS

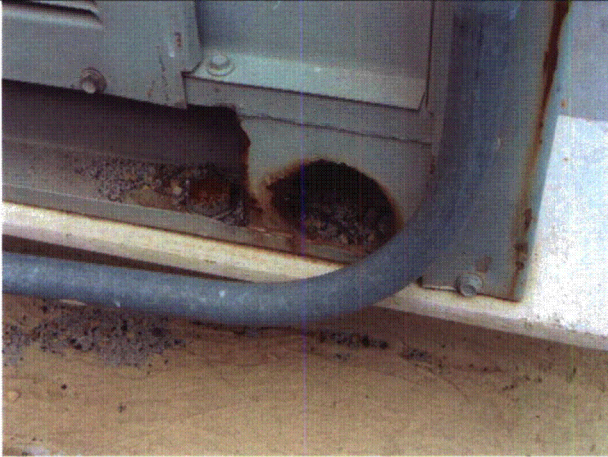
Status: Y N U

Seismic Walkdown Checklist (SWC)

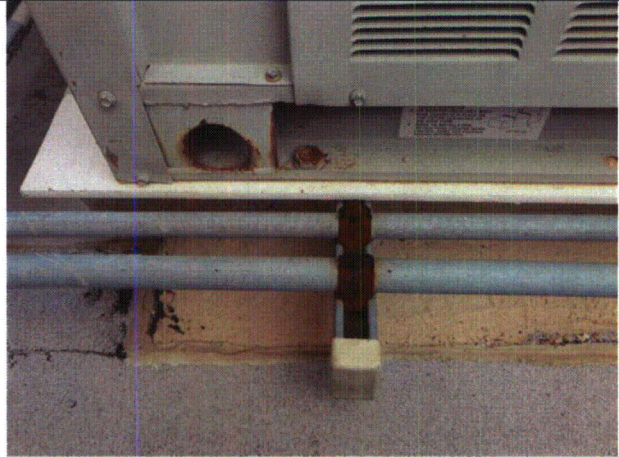
Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

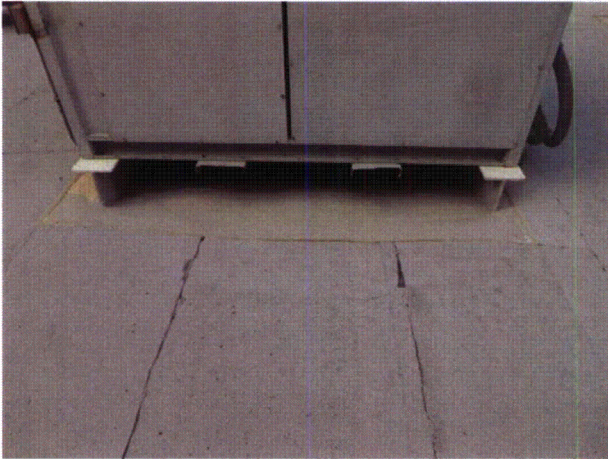
Equipment Description: 11 SWGR HVAC CND SR UNIT



1HXHVACSWGRCU11 8-13-12 009



1HXHVACSWGRCU11 8-13-12 010



1HXHVACSWGRCU11 8-13-12 011



1HXHVACSWGRCU11 8-13-12 012

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXHVACSWGRCU11

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11 SWGR HVAC CNDSR UNIT



1HXHVACSWGRCU11 8-13-12 013

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE

Project: CCNPP 1 SWEL

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

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

 2. Is the anchorage free of bent, broken, missing or loose hardware? No
-

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSrw11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE

Only one anchor hex bolt has a washer, the others do not (slotted end). All four have the main plate washer. CR-2012-009630

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) No
Anchorage is consistent however it is missing washers, see note 2 on drawing 15077-0002. Anchorage verified by drawing 15077-0002 SH0004 Rev 1.
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
10/2/12 - The missing washers do not adversely affect the equipment's anchorage, therefore there is no potential seismic concern. This is simple a documentation issue.
-

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 Yes
-

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSrw11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE

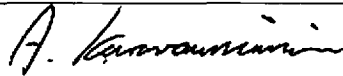
potentially adverse seismic interaction effects?

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

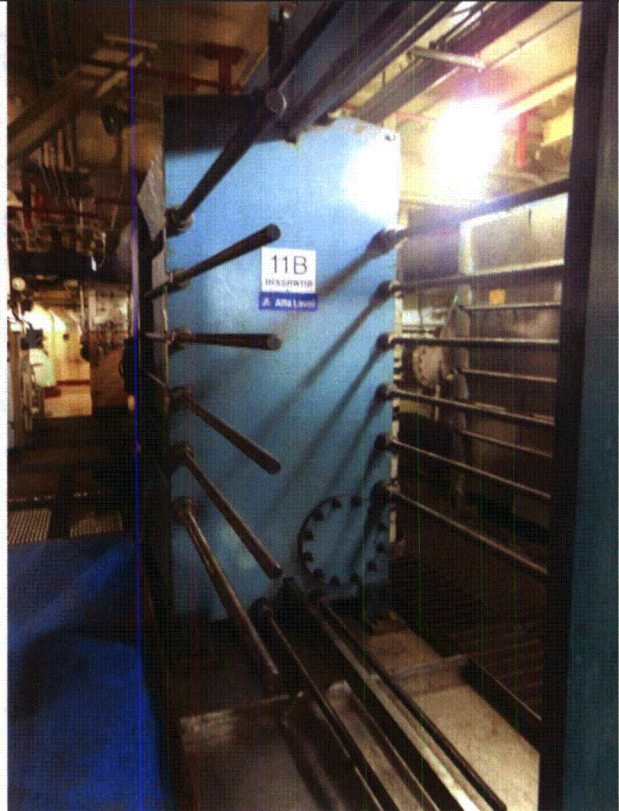
Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 001



1HXSRW11B 8-16-12 002

ATTACHMENT 3
WALKDOWN CHECKLISTS

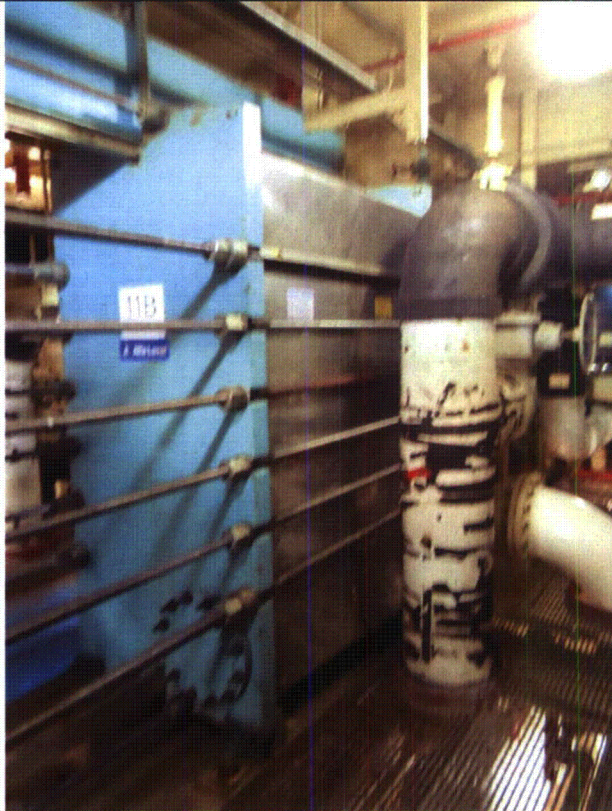
Status: Y N U

Seismic Walkdown Checklist (SWC)

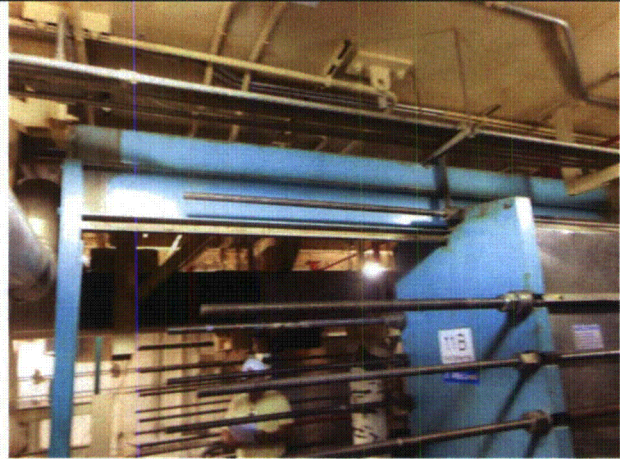
Equipment ID No.: 1HXSrw11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSrw11B 8-16-12 003



1HXSrw11B 8-16-12 004

ATTACHMENT 3
WALKDOWN CHECKLISTS

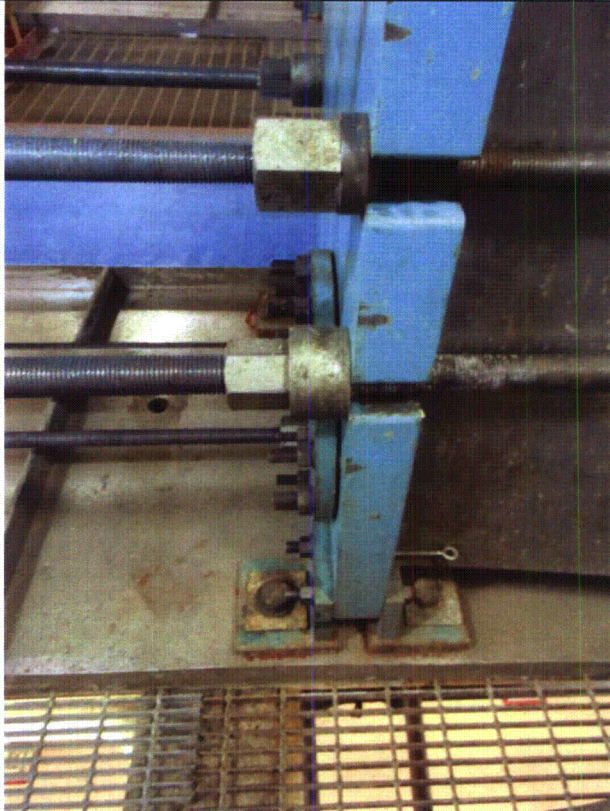
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSRW11B 8-16-12 005



1HXSRW11B 8-16-12 006

ATTACHMENT 3
WALKDOWN CHECKLISTS

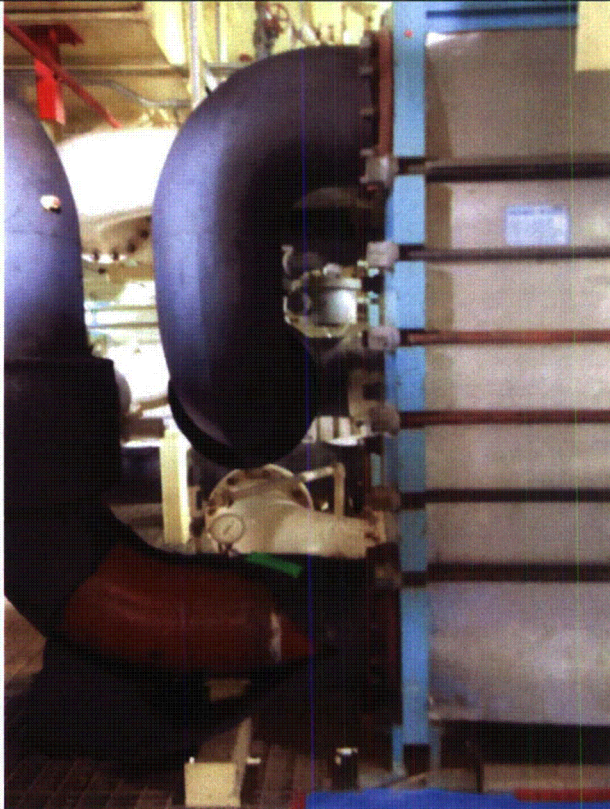
Status: Y N U

Seismic Walkdown Checklist (SWC)

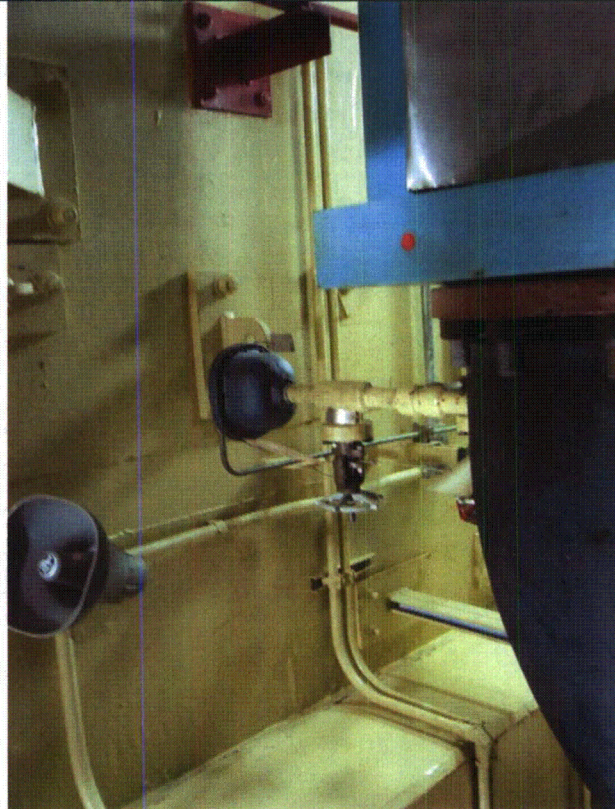
Equipment ID No.: 1HXSRW11B

Equipment Class: (21) Tanks and Heat Exchangers

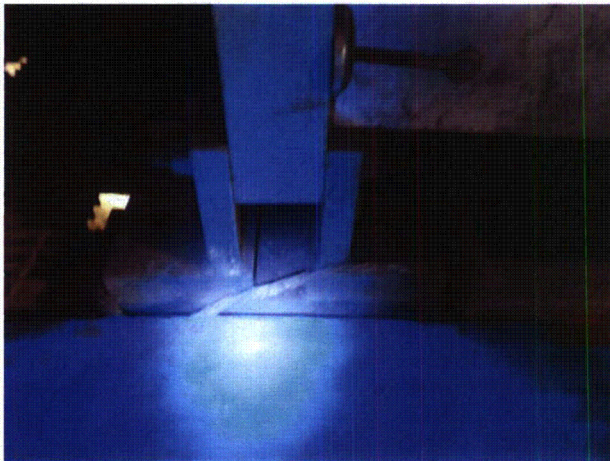
Equipment Description: 11B SERVICE WATER PHE



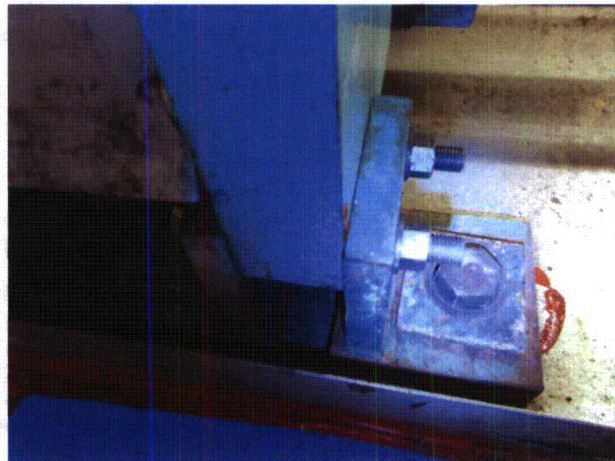
1HXSRW11B 8-16-12 007



1HXSRW11B 8-16-12 008



1HXSRW11B 8-16-12 009



1HXSRW11B 8-16-12 010

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1HXSrw11B

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 11B SERVICE WATER PHE



1HXSrw11B 8-16-12 011

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-430

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

- | | |
|---|-----|
| 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? | Yes |
| 2. Is the anchorage free of bent, broken, missing or loose hardware? | 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.)
<i>The cabinet is anchored through a welded 3"x3"x1/4", 4'-0" long angles along the sides of the cabinet by fillets that are 2" long at 6.5" centers. Each angle is anchored to the concrete floor by 4 - 1/2" CEA at 15" centers.
Walkdown as-built anchorage sketch is consistent with drawing 61913 sheet 1 section D.</i> | Yes |
| 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? | Yes |
-

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12

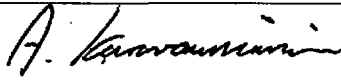
Interaction Effects

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
Masonry block walls, identified as QQ and A31 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
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

ATTACHMENT 3

WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LI5611A

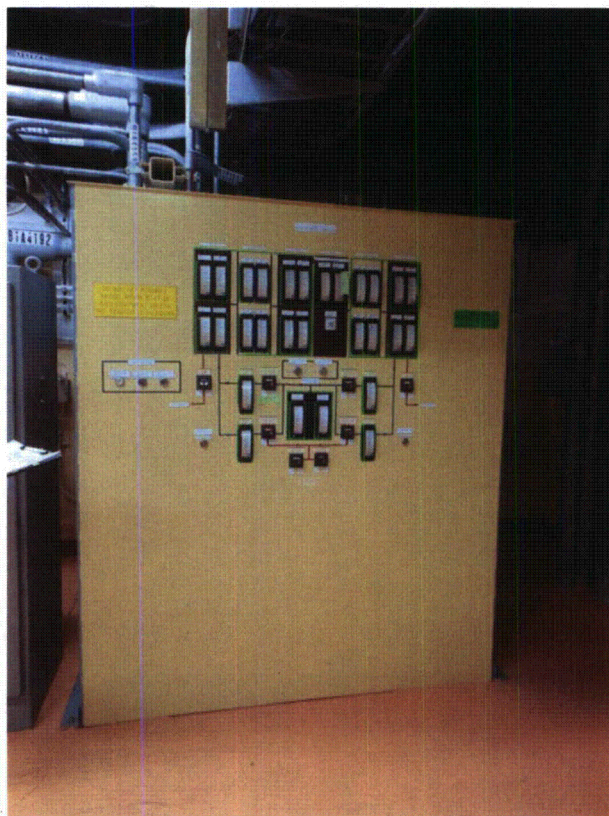
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: COND STORAGE TANK 12

Photos



1LI5611A 8-16-12 132



1LI5611A 8-16-12 133

ATTACHMENT 3
WALKDOWN CHECKLISTS

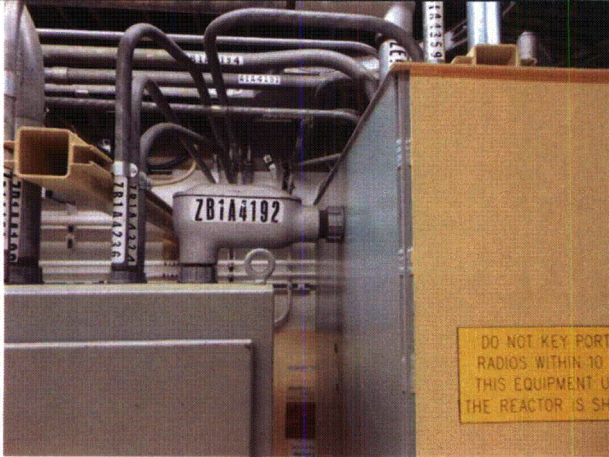
Status: Y N U

Seismic Walkdown Checklist (SWC)

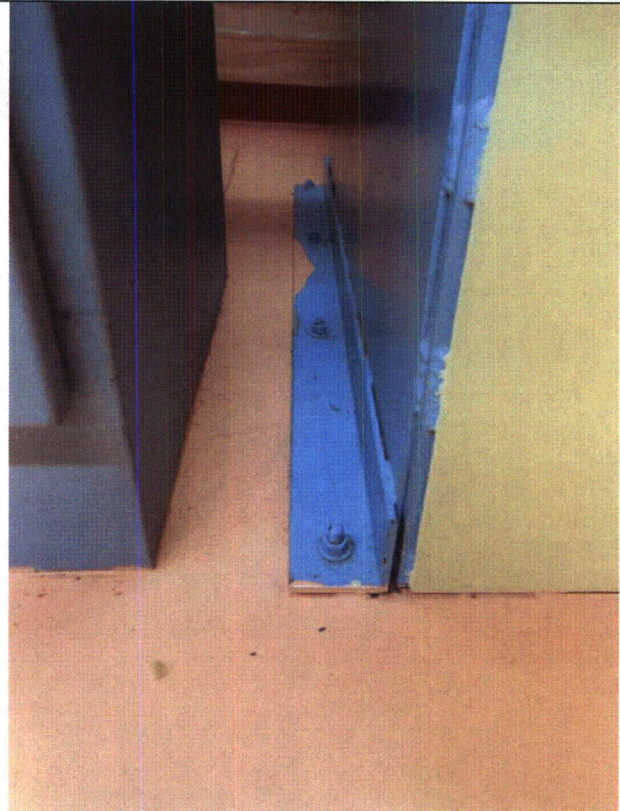
Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12



1LI5611A 8-16-12 134



1LI5611A 8-16-12 135

ATTACHMENT 3
WALKDOWN CHECKLISTS

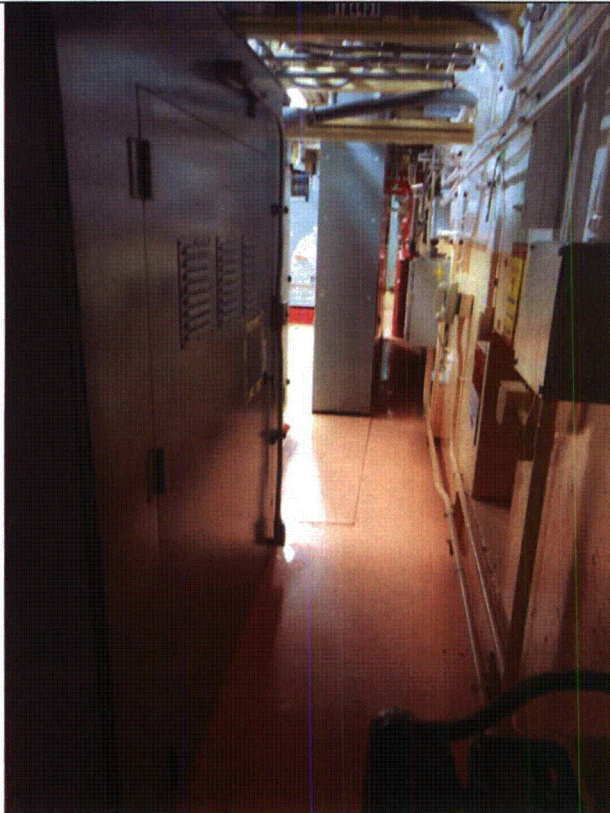
Status: Y N U

Seismic Walkdown Checklist (SWC)

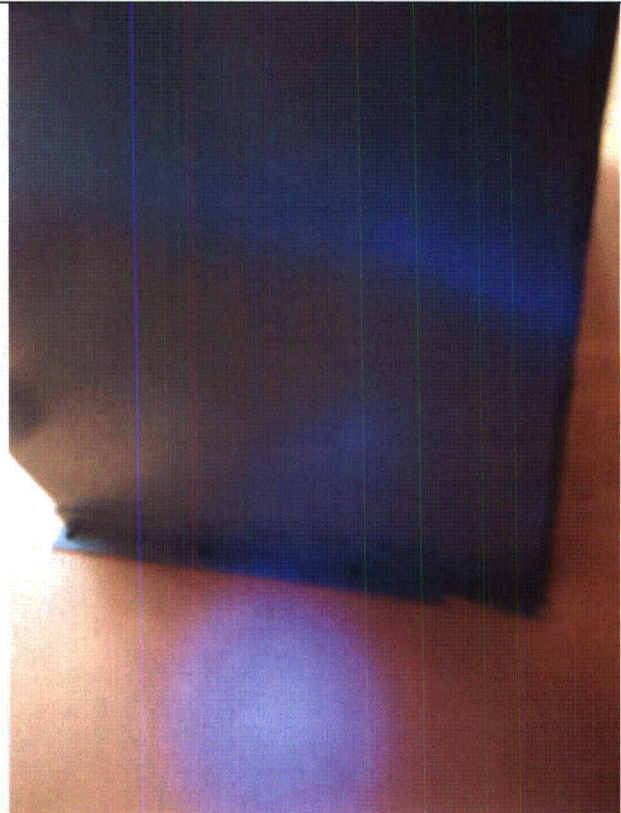
Equipment ID No.: 1LI5611A

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

Equipment Description: COND STORAGE TANK 12



1LI5611A 8-16-12 136



1LI5611A 8-16-12 137

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT1565

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

Equipment Description: SERV WTR HEAD TNK 12 LEVEL

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 70.00 ft, CAL-AB-524

Manufacturer/Model: _____

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage is consistent with drawings 65426 sheet 3 and 91004 (J-103), except for the CEA that are 1/2" instead of 3/8". However, drawing 65426 refers to its support as being similar to J-103, therefore using J-103 as the minimum requirement. Anchorage judged consistent.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

**ATTACHMENT 3
WALKDOWN CHECKLISTS**

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT1565

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

Equipment Description: SERV WTR HEAD TNK 12 LEVEL

Interaction Effects

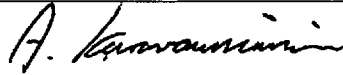
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
9. Do attached lines have adequate flexibility to avoid damage? Yes
Lines attached to equipment consist of flex conduit and flexible tubing, both having adequate flexibility, therefore no 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

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

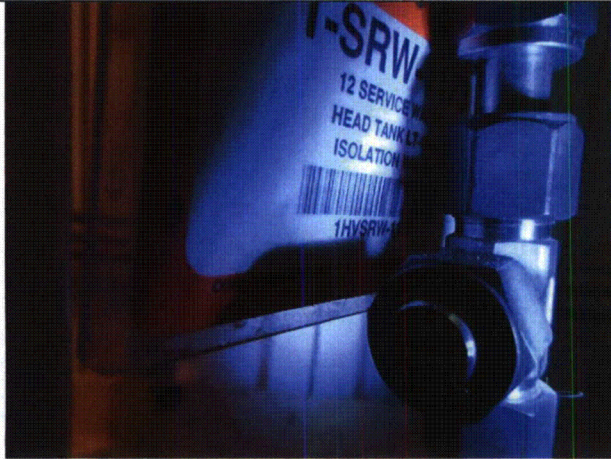
Status: Y N U

Seismic Walkdown Checklist (SWC)

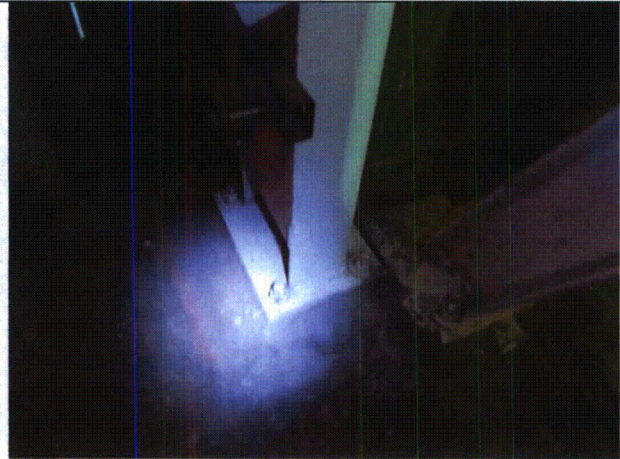
Equipment ID No.: 1LT1565

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

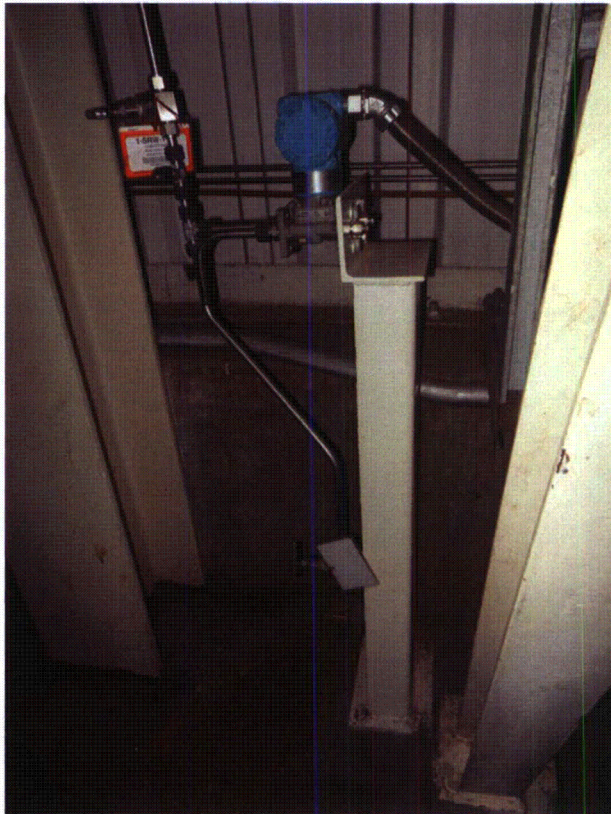
Equipment Description: SERV WTR HEAD TNK 12 LEVEL



1LT1565 8-10-12 102



1LT1565 8-10-12 104



1LT1565 8-10-12 106

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT4142

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

Equipment Description: REFUEL WTR TNK 11 LEVEL

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 45.00 ft, CAL-AB-439

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Yes
Anchorage is consistent with drawings 65862 sheet 3 and FSK-M-0026.

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1LT4142

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

Equipment Description: REFUEL WTR TNK 11 LEVEL

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
Overhead light is not a credible hazard because there are obstructions in its path.
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes
-

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
-

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

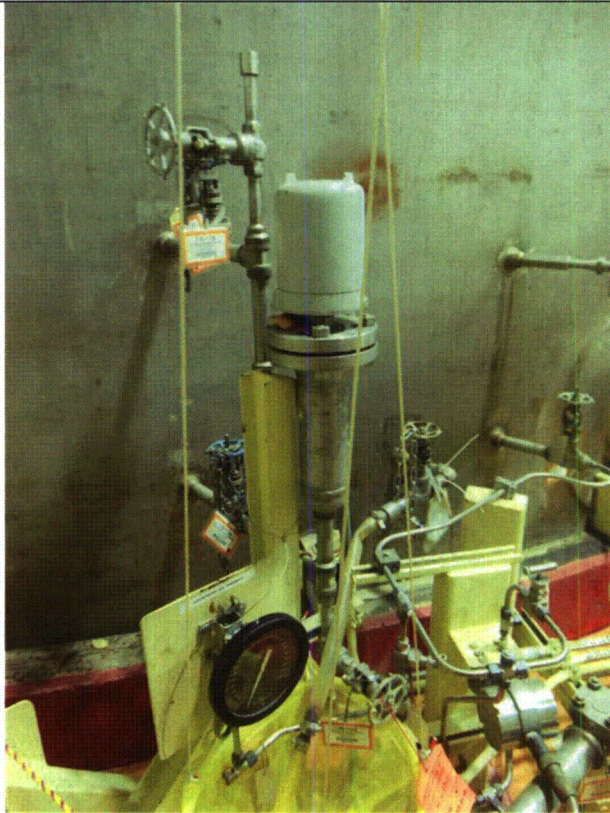
Status: Y N U

Seismic Walkdown Checklist (SWC)

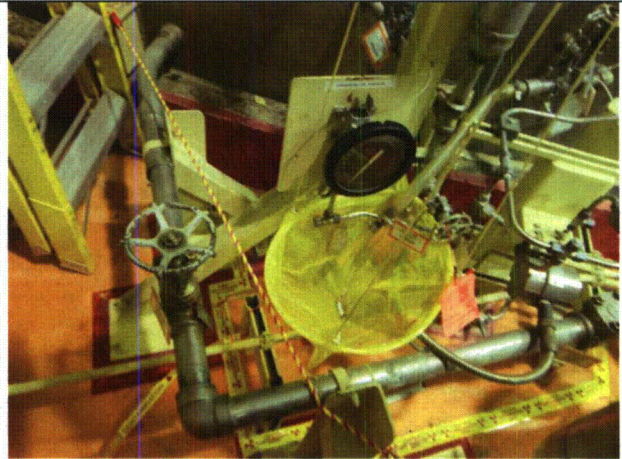
Equipment ID No.: 1LT4142

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

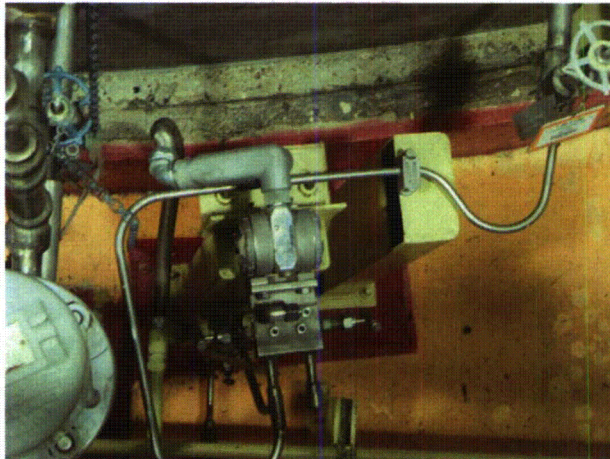
Equipment Description: REFUEL WTR TNK 11 LEVEL



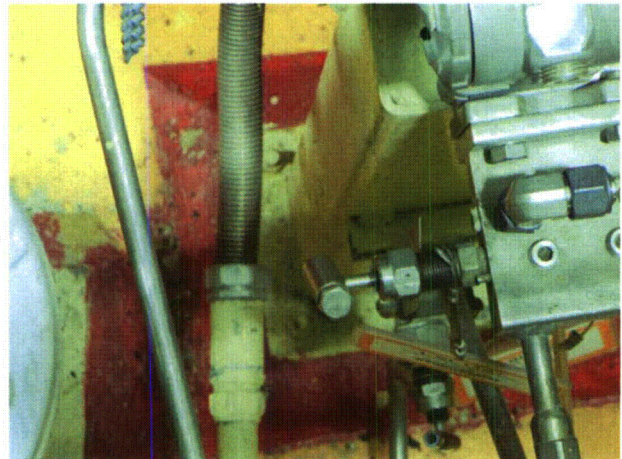
1LT4142 8-13-12 275



1LT4142 8-13-12 276



1LT4142 8-13-12 277



1LT4142 8-13-12 279

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11

Project: CCNPP 1 SWEL

Location (Bldg, Elev, Room/Area): AUX, 27.00 ft, CAL-AB-320

Manufacturer/Model:

Instructions for Completing Checklist

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
This is the motor to pump OPUMPSFP11, motor and pump are on the same skid.

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

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

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.) Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Interaction Effects

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11

7. Are soft targets free from impact by nearby equipment or structures? Yes

Overhead light may fall and break sight glass.

10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and to typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable.

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

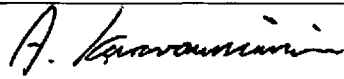
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

SWEL 2

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

Photos

ATTACHMENT 3
WALKDOWN CHECKLISTS

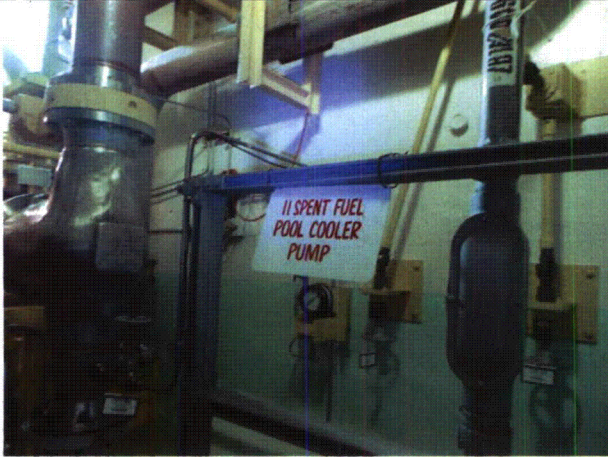
Status: Y N U

Seismic Walkdown Checklist (SWC)

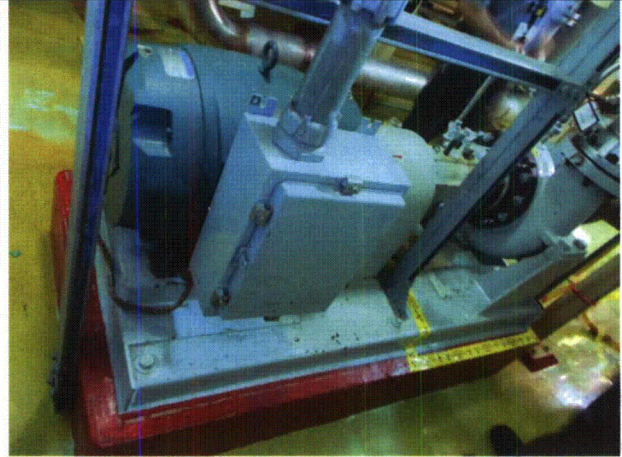
Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

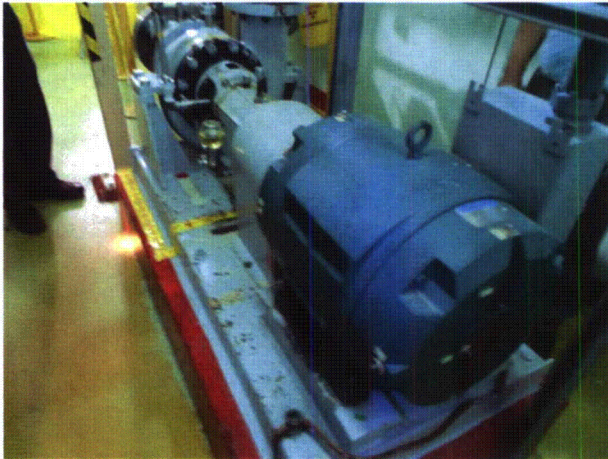
Equipment Description: FUEL POOL COOLING PUMP 11



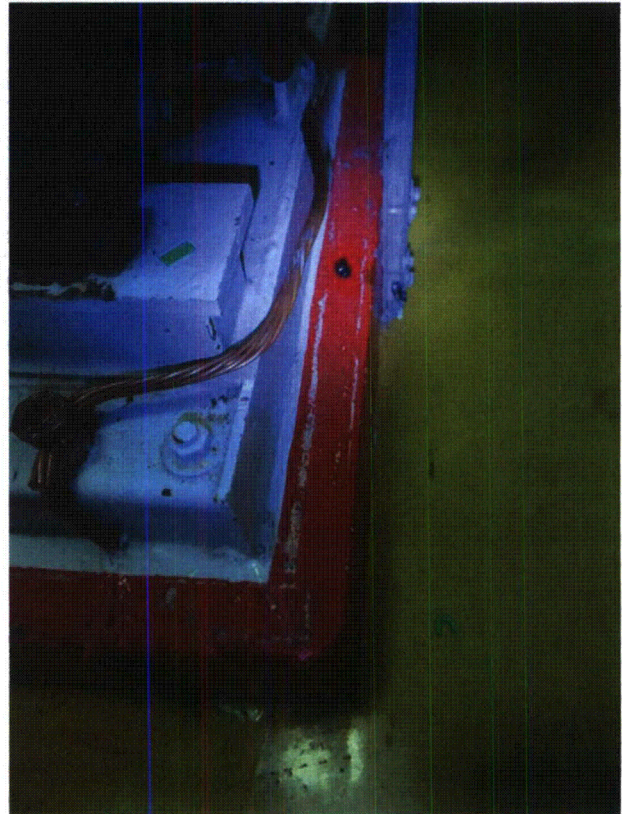
1MB411 8-10-12 066



1MB411 8-10-12 067



1MB411 8-10-12 068



1MB411 8-10-12 069

ATTACHMENT 3
WALKDOWN CHECKLISTS

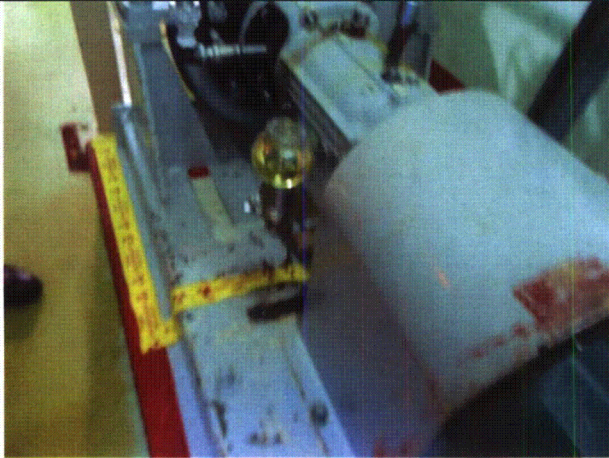
Status: Y N U

Seismic Walkdown Checklist (SWC)

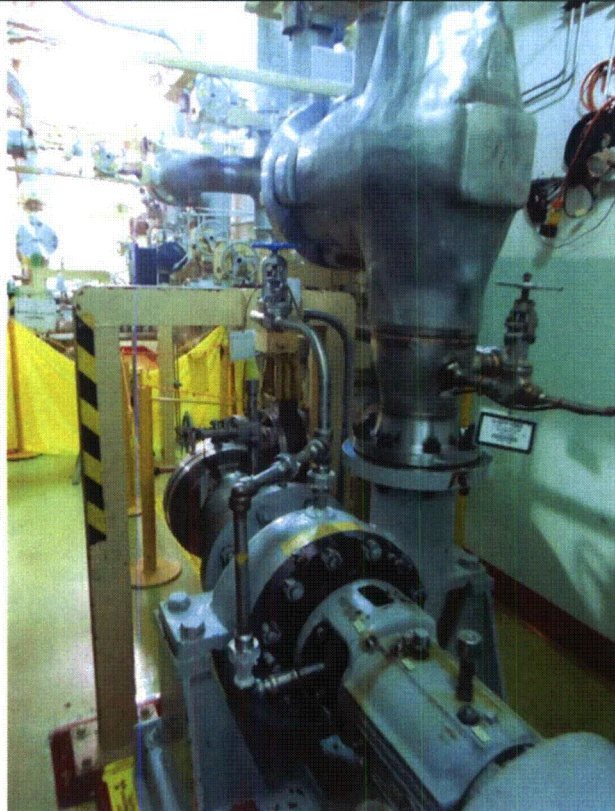
Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11



1MB411 8-10-12 070



1MB411 8-10-12 071

ATTACHMENT 3
WALKDOWN CHECKLISTS

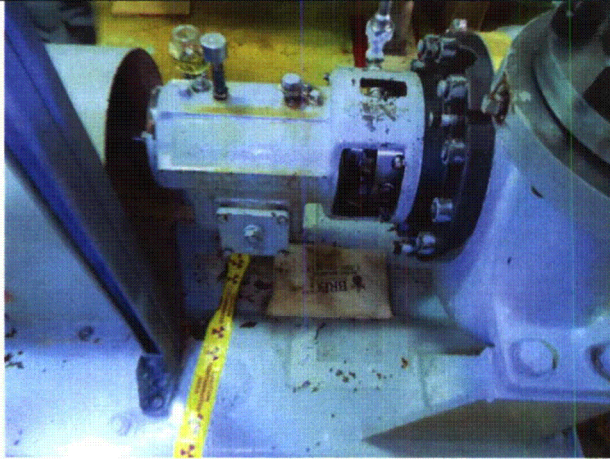
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11



1MB411 8-10-12 072



1MB411 8-10-12 073

ATTACHMENT 3
WALKDOWN CHECKLISTS

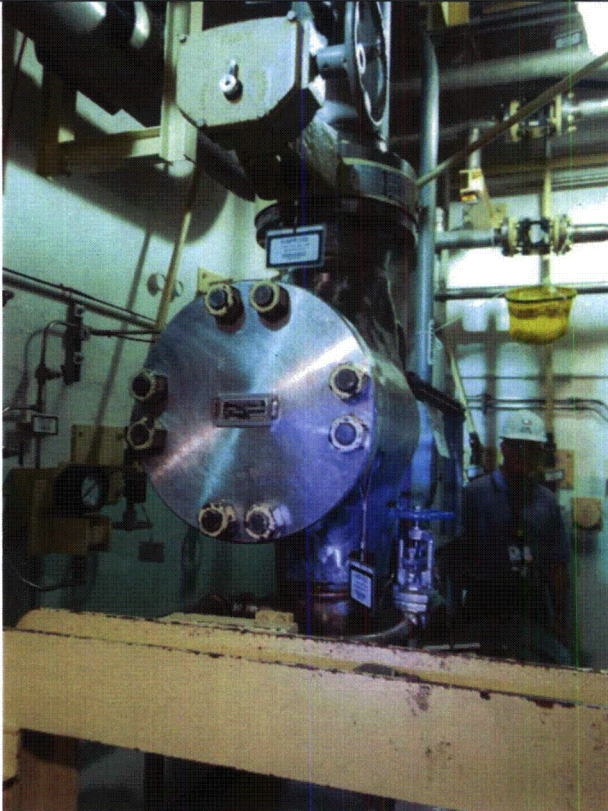
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11



1MB411 8-10-12 074



1MB411 8-10-12 075

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

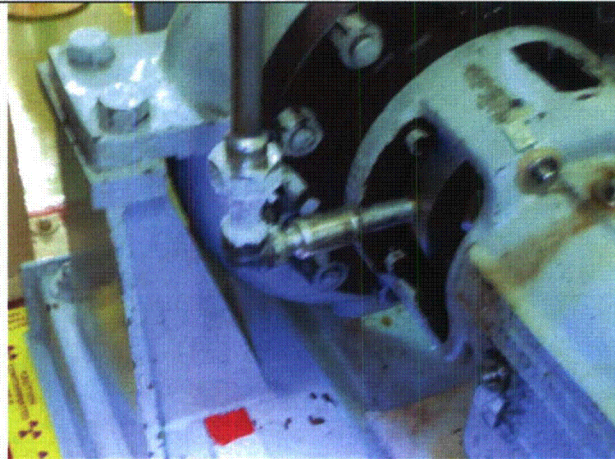
Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11



1MB411 8-10-12 076



1MB411 8-10-12 078

ATTACHMENT 3
WALKDOWN CHECKLISTS

Status: Y N U

Seismic Walkdown Checklist (SWC)

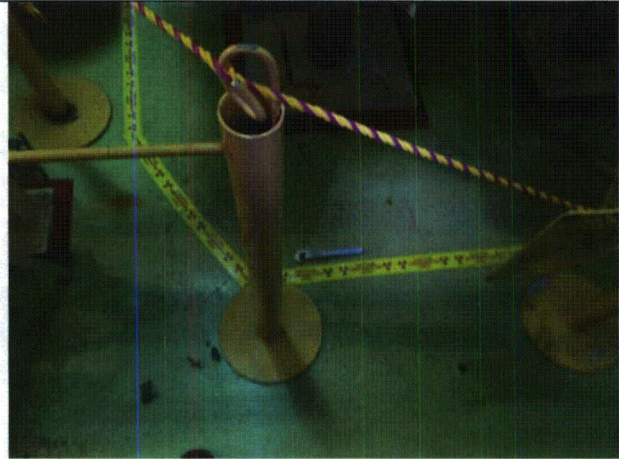
Equipment ID No.: 1MB411

Equipment Class: (5) Horizontal Pumps

Equipment Description: FUEL POOL COOLING PUMP 11



1MB411 8-10-12 079



1MB411 8-10-12 080