

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Table D-1: Area Walk-By Checklists

Building	Elevation	Location	Page
AUX	-15	CAL-AB-118	D-3
AUX	-15	CAL-AB-119	D-5
AUX	5	CAL-AB-217	D-75
AUX	5	CAL-AB-224	D-80
AUX	5	CAL-AB-226	D-83
AUX	5	CAL-AB-227	D-92
AUX	5	CAL-AB-228	D-96
AUX	27	CAL-AB-301	D-9
AUX	27	CAL-AB-306	D-13
AUX	27	CAL-AB-315	D-18
AUX	27	CAL-AB-316	D-24
AUX	27	CAL-AB-317	D-27
AUX	27	CAL-AB-320	D-34
AUX	45	CAL-AB-405	D-41
AUX	45	CAL-AB-421	D-44
AUX	45	CAL-AB-423	D-47
AUX	45	CAL-AB-428	D-51
AUX	45	CAL-AB-429	D-58
AUX	45	CAL-AB-430	D-64
AUX	45	CAL-AB-439	D-72
AUX	70	CAL-AB-512	D-100
AUX	70	CAL-AB-524	D-106
AUX	70	CAL-AB-525	D-110
AUX	70	CAL-AB-ARF	D-116
DG	45	CAL-DGB1-DB102	D-123
DG	45	CAL-DGB1-DB104	D-127
DG	45	CAL-DGB1-DB106	D-131
DG	74	CAL-DGB1-DB206	D-136
DG	77	CAL-DGB1-DB207	D-138
DG	89	CAL-DGB1-DB307	D-141
Intake	-7	CAL-ISPR-INT1	D-144
TURB	12	CAL-AFWPR-603	D-152
Yard	45	CAL-21FOSTBLDG	D-155
Yard	45	CAL-TKFROOM	D-162
Yard	45	CAL-YARD-OCA	D-169

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-118

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

- | | |
|---|-----|
| 1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?
<i>HPSI anchor bolt observed to have excessive projection, i.e. 4" above skid, pump pad is 12" in height. CR-2012-009700</i> | No |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? | Yes |
| 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? | Yes |
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-118

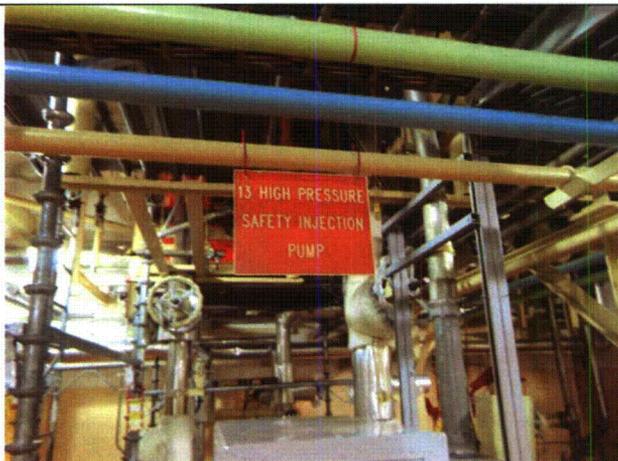
*A hose clamp was left on the LPSI 12 pump skid, although not good housekeeping practices, it is not a seismic concern.
Scaffolding over LPSI 12 was judged seismically adequate by inspection.*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

C. Figliolini C. Figliolini 11/09/2012



Area # AUX, 8-15, CAL-AB-118 8-7-12 256



Area # AUX, 8-15, CAL-AB-118 8-7-12 257

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-119

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
-

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-119

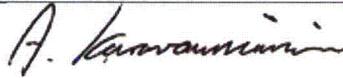
Block Wall shielding was judged as seismically adequate. Also, a nut found on top of a support and judged not to be a seismic concern.

Scaffolding in the area has a tag marked both yes/no seismic and its seismic adequacy is questionable. CR-2012-008387

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:



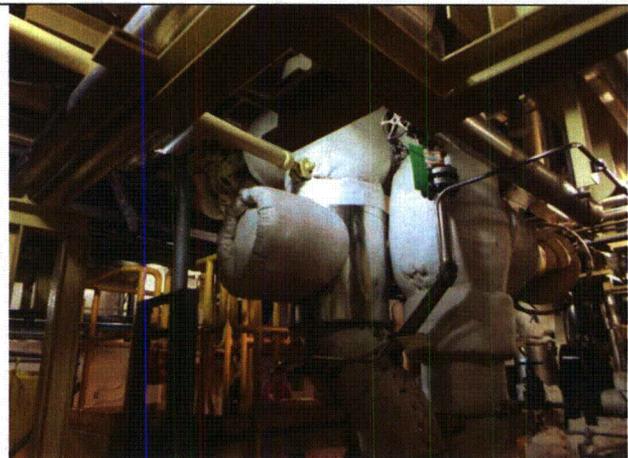
A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012



Area # AUX, 8-15, CAL-AB-119 8-6-12 208

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-119

Area # AUX, 8-15, CAL-AB-119 8-6-12 201



Area # AUX, 8-15, CAL-AB-119 8-6-12 218



Area # AUX, 8-15, CAL-AB-119 8-6-12 224



Area # AUX, 8-15, CAL-AB-119 8-6-12 225



Area # AUX, 8-15, CAL-AB-119 8-6-12 231

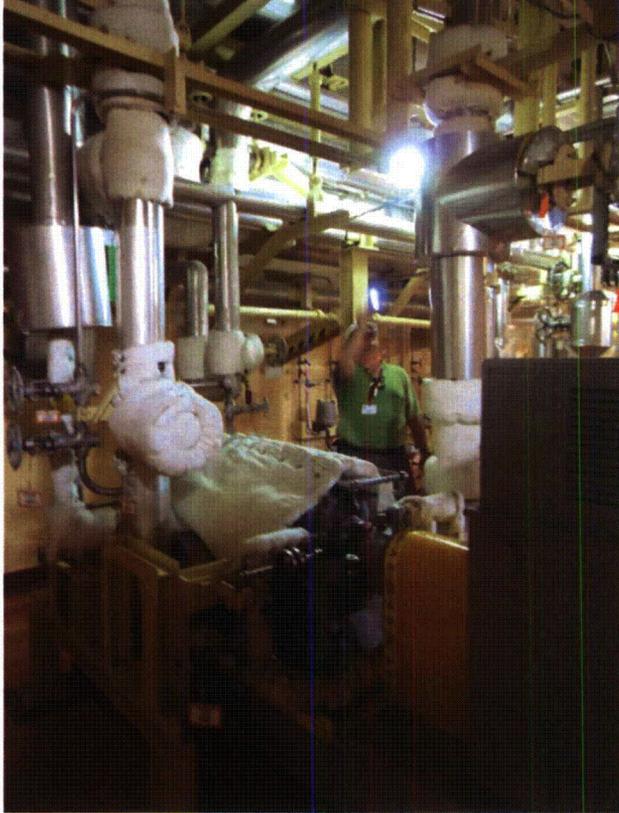
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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-119



Area # AUX, 8-15, CAL-AB-119 8-6-12 238

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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-301

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
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ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

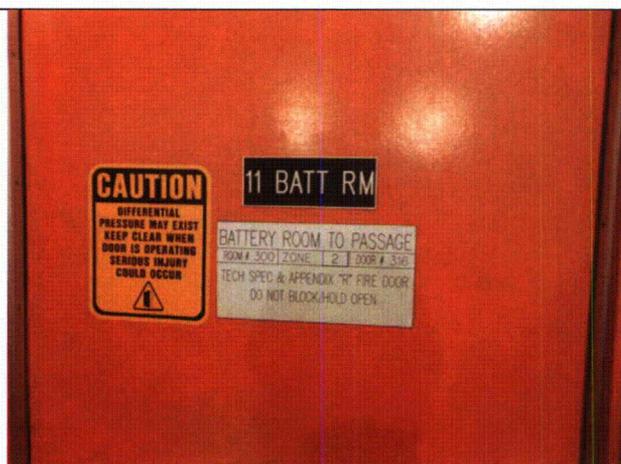
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-301

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

C. Figliolini C. Figliolini 11/09/2012



Area # AUX, 27, CAL-AB-301 8-14-12 001



Area # AUX, 27, CAL-AB-301 8-14-12 002

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-301



Area # AUX, 27, CAL-AB-301 8-14-12 003



Area # AUX, 27, CAL-AB-301 8-14-12 005

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-301



Area # AUX, 27, CAL-AB-301 8-14-12 006



Area # AUX, 27, CAL-AB-301 8-14-12 007

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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-306

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
Small step down transformer anchor bolt is not fully seated at one corner to the concrete. The transformer is short almost cube like, all anchor bolts looks engaged therefore judged not a seismic concern.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
Open ladder cable trays, supported on either unistrut frames or a combination of unistrut and rod hung frame or cantilever bracket off unistrut frames. Typically the trays are clipped to every 2nd to 3rd cantilever support bracket. Judged not to be a seismic concern.

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Masonry block walls, identified as D, F, S, T, Y, and Z on drawing A-258, are safety-related and thus seismically rated per IE Bulletin 80-11.

Equipment 1D14 and 1D02 have a back to back clearance of 3/8"; 1Y11, 1Y09, A, B, C have 1/4"; and 1Y10 has 3/8" to 1Y10 contactor.
Evaluated this condition using 8Hz and 2% damping. The resulting displacement is 0.147", which is less than 1/4", therefore the gaps are judged acceptable.

Using response spectrum AB027D2N.dat
Sa = 0.3g
 *$d = 2 * 1.6 * 0.3 * 386.4 / (8 * 2\pi)^2 = 0.147" < 0.250" : OK.$*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

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AREA WALK-BY CHECKLIST

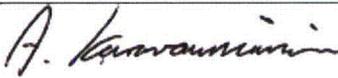
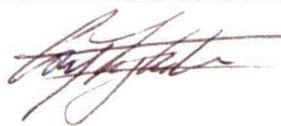
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-306

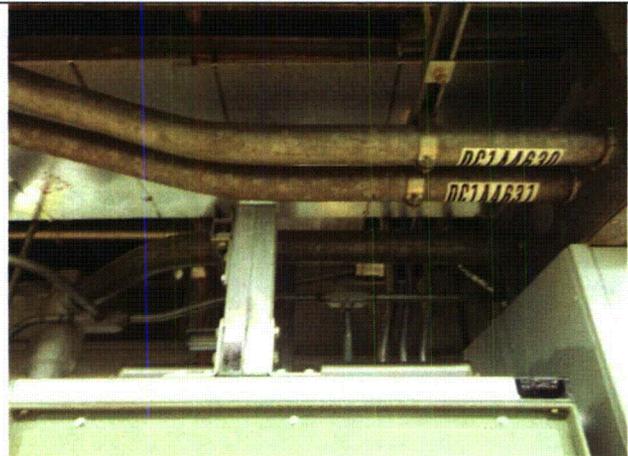
- | | | |
|----|---|-----|
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| | | |
| 7. | Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?
<i>Found a tool under cable duct, judged not to be a seismic concern.</i> | Yes |
| | | |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

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



Area # AUX, 27, CAL-AB-306 8-14-12 049



Area # AUX, 27, CAL-AB-306 8-14-12 051

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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-306



Area # AUX, 27, CAL-AB-306 8-14-12 055



Area # AUX, 27, CAL-AB-306 8-14-12 057



Area # AUX, 27, CAL-AB-306 8-14-12 061



Area # AUX, 27, CAL-AB-306 8-14-12 062

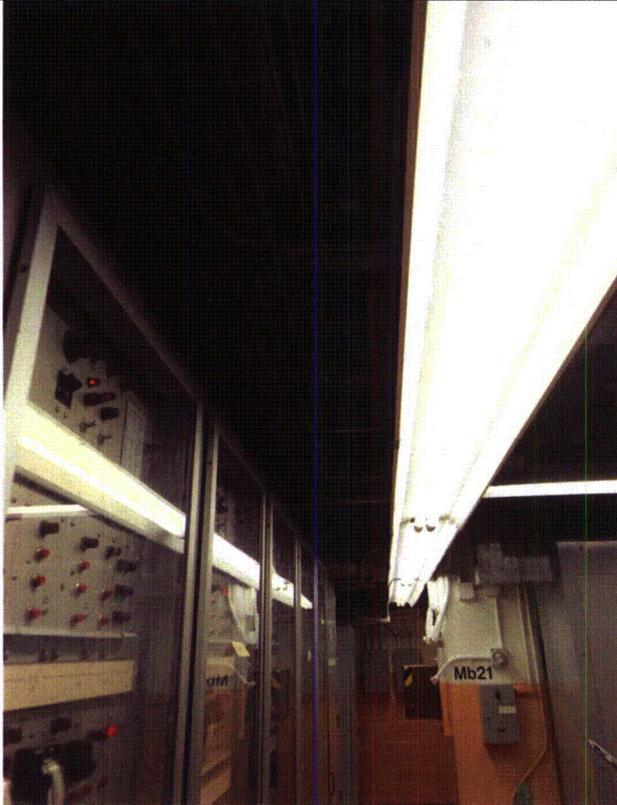
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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-306



Area # AUX, 27, CAL-AB-306 8-14-12 072



Area # AUX, 27, CAL-AB-306 8-14-12 073



Area # AUX, 27, CAL-AB-306 8-14-12 077



Area # AUX, 27, CAL-AB-306 8-14-12 080

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AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-306



Area # AUX, 27, CAL-AB-306 8-14-12 083



Area # AUX, 27, CAL-AB-306 8-14-12 084



Area # AUX, 27, CAL-AB-306 8-14-12 089

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding. Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

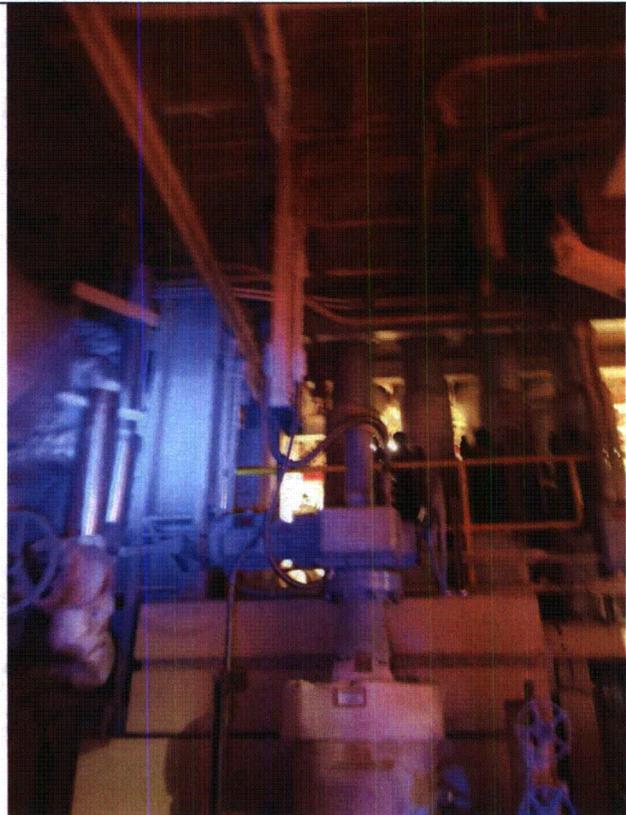
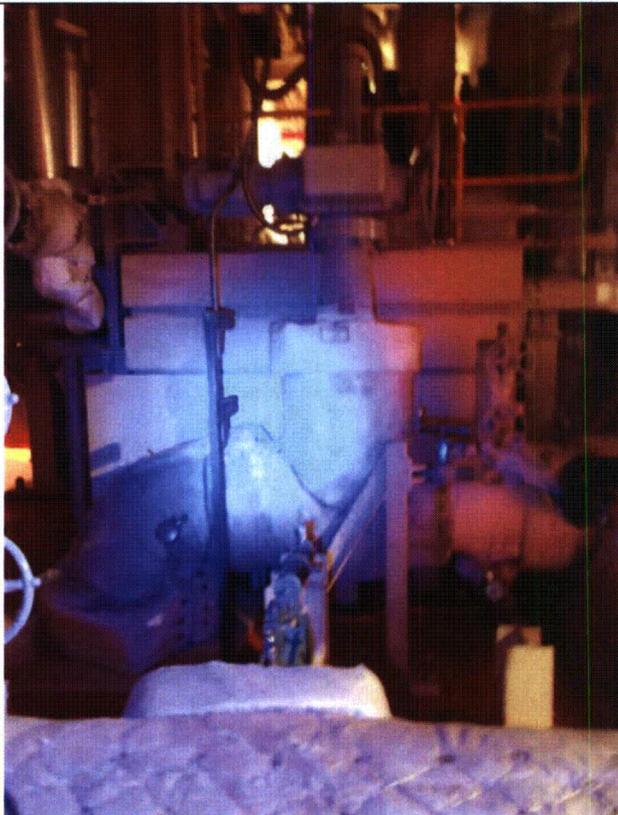
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

C. Figliolini C. Figliolini 11/09/2012



ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

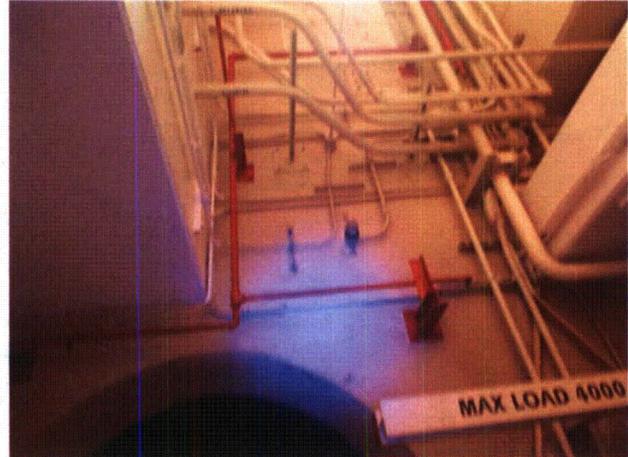
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315

Area # AUX, 27, CAL-AB-315 8-8-12 002

Area # AUX, 27, CAL-AB-315 8-8-12 003



Area # AUX, 27, CAL-AB-315 8-8-12 004



Area # AUX, 27, CAL-AB-315 8-8-12 007



Area # AUX, 27, CAL-AB-315 8-8-12 009



Area # AUX, 27, CAL-AB-315 8-8-12 010

ATTACHMENT 4
AREA WALK-BY CHECKLIST

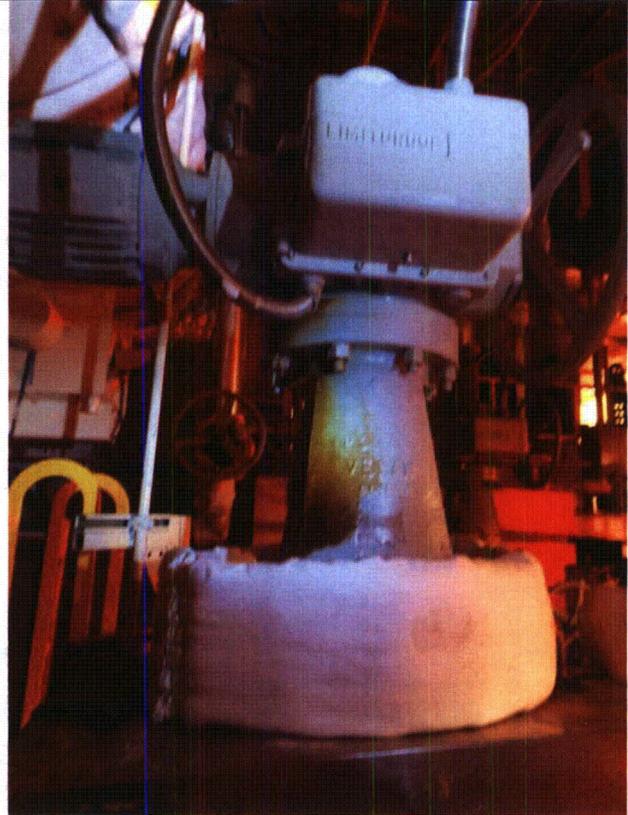
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315



Area # AUX, 27, CAL-AB-315 8-8-12 013



Area # AUX, 27, CAL-AB-315 8-8-12 025

ATTACHMENT 4

AREA WALK-BY CHECKLIST

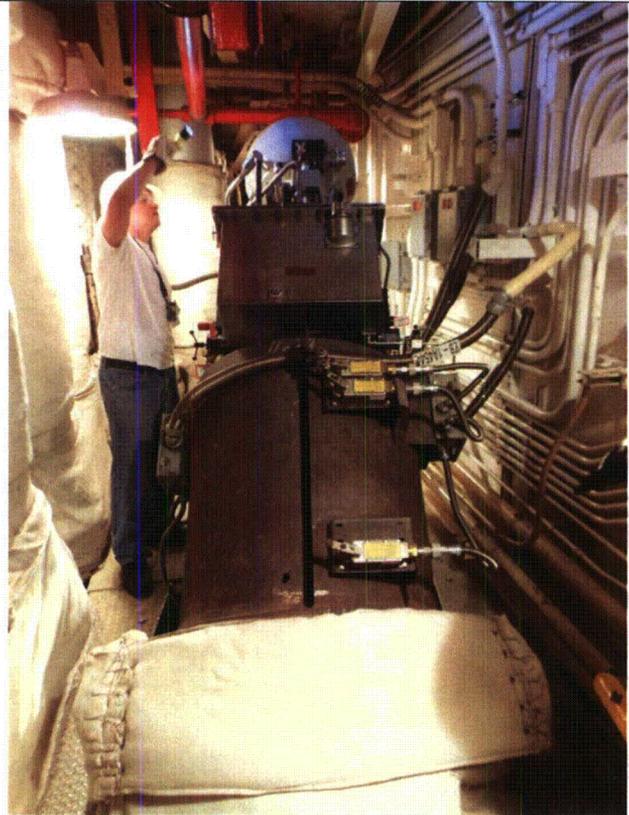
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315



Area # AUX, 27, CAL-AB-315 8-8-12 026



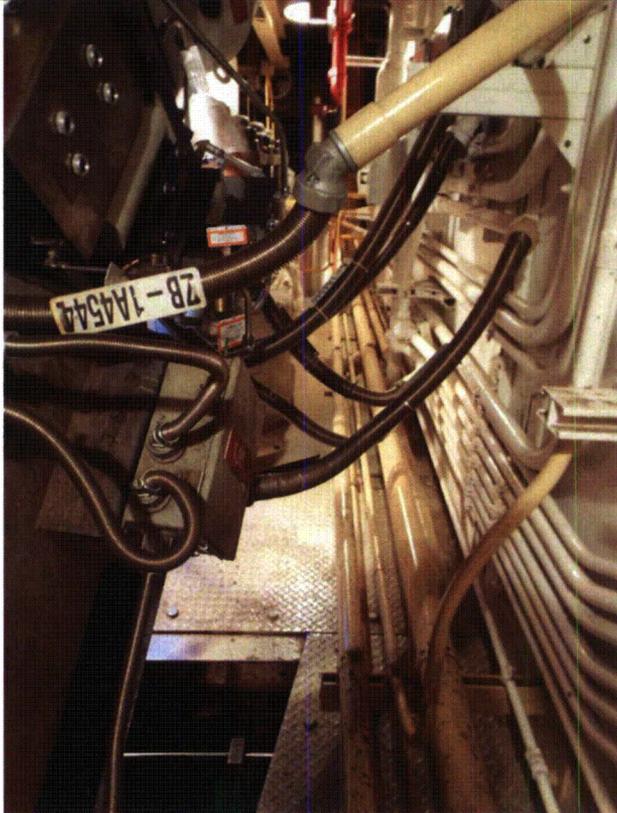
Area # AUX, 27, CAL-AB-315 8-8-12 029

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

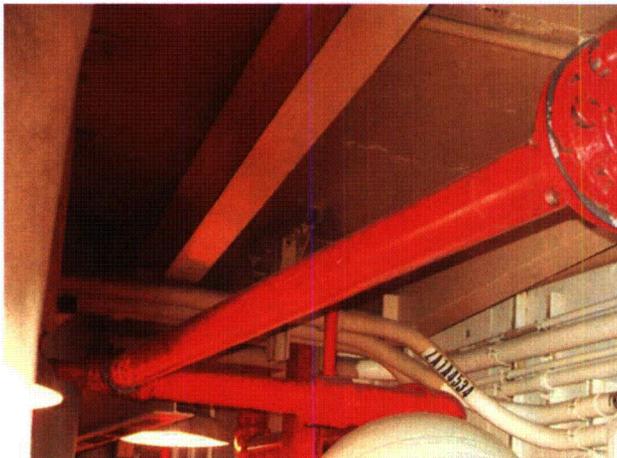
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-315



Area # AUX, 27, CAL-AB-315 8-8-12 030



Area # AUX, 27, CAL-AB-315 8-8-12 032



Area # AUX, 27, CAL-AB-315 8-8-12 038



Area # AUX, 27, CAL-AB-315 8-8-12 047

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-316

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
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ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-316

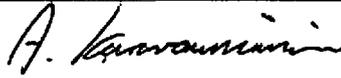
Observed the following: torn insulation (black and lagging), loose grating clip on raised platform, clamped angle iron pieces to supports and light bulb on steel member all of each are not good housekeeping practices, but not seismic concerns.

Also, noted platform with tag checked as seismic. No seismic concerns.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

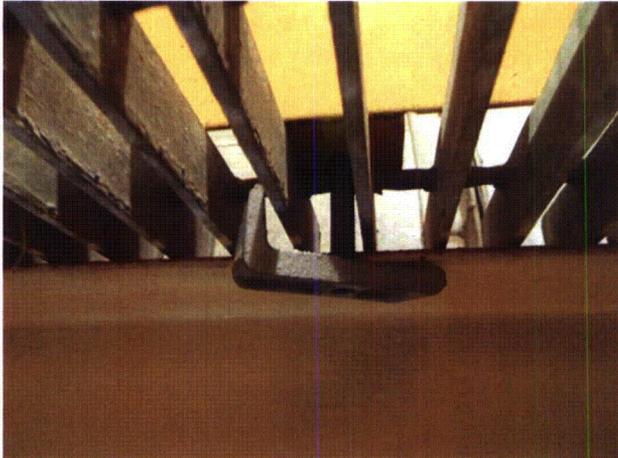
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-316



Area # AUX, 27, CAL-AB-316 8-8-12 075



Area # AUX, 27, CAL-AB-316 8-8-12 076



Area # AUX, 27, CAL-AB-316 8-8-12 077

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
The cable tray system is similar to the other SWGR Rooms (See AWC for Room 306).

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
*MCC IN130 is 1/2" from a block wall. The MCC is 20 x 20 x 90.
Evaluated using 8 Hz and 2 percent damping and 1.5 PF, resulting displacement is 0.06" < 0.5"
W=8 Hz P=2% (cc USAR Table SA-8)*

*Response Spectrum at Aux Bldg. EI-27 DBE
File name AB027D2N.Dat
A=0.25g
W=50.2 rad/sec
D=A/W^2 * 1.5"
Therefore D=(0.25*386.4)/((50.2)^2)*1.5=0.006" < 1/2" and therefore the gap is acceptable.*

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead pass-through threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.
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ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

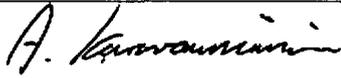
Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
Maintenance equipment (i.e., bucket hoist) are inadequately tied off and close to RCP Buses. CA-2012-003696 Also, a maintenance tool is hanging at the side of the RCP Bus, during a seismic event the tool will bang on the bus. CR-2012-008676
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

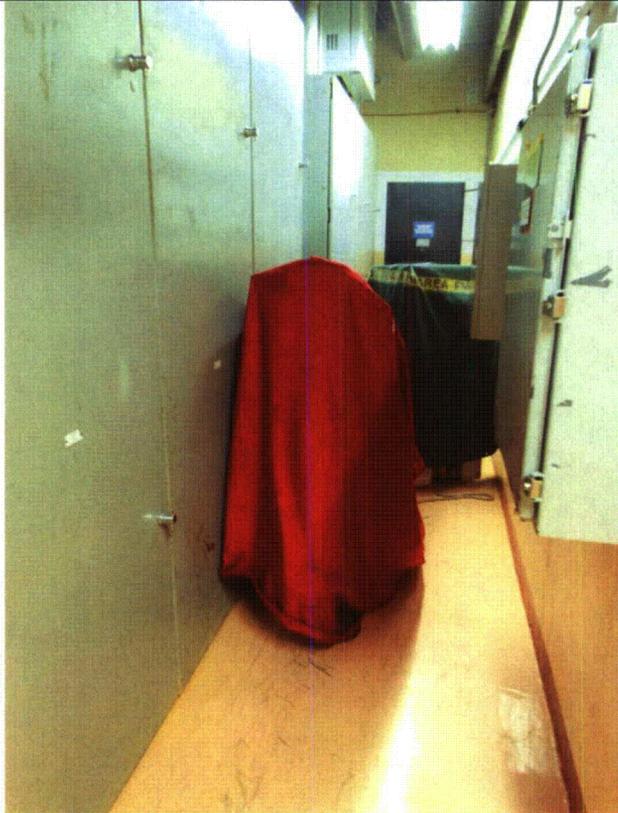
ATTACHMENT 4

AREA WALK-BY CHECKLIST

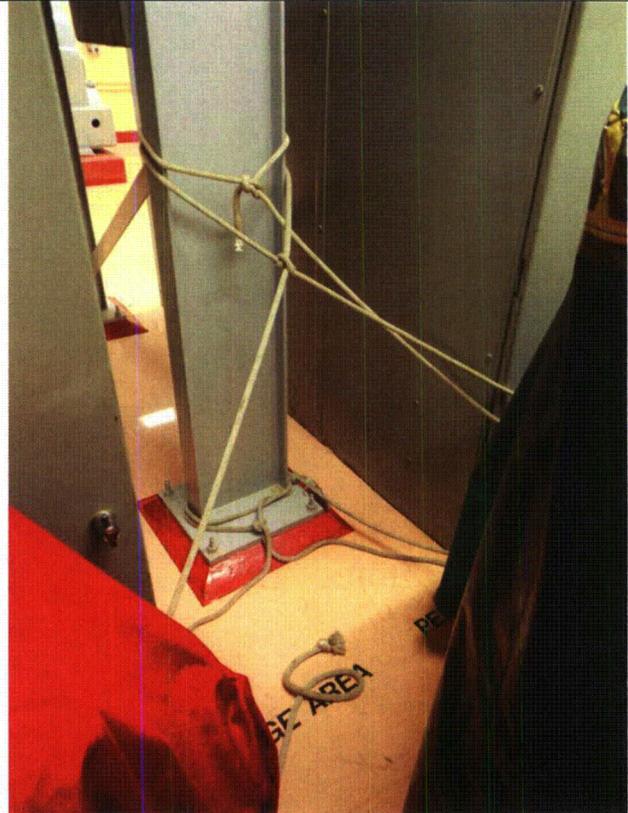
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317



Area # AUX, 27, CAL-AB-317 8-15-12 199



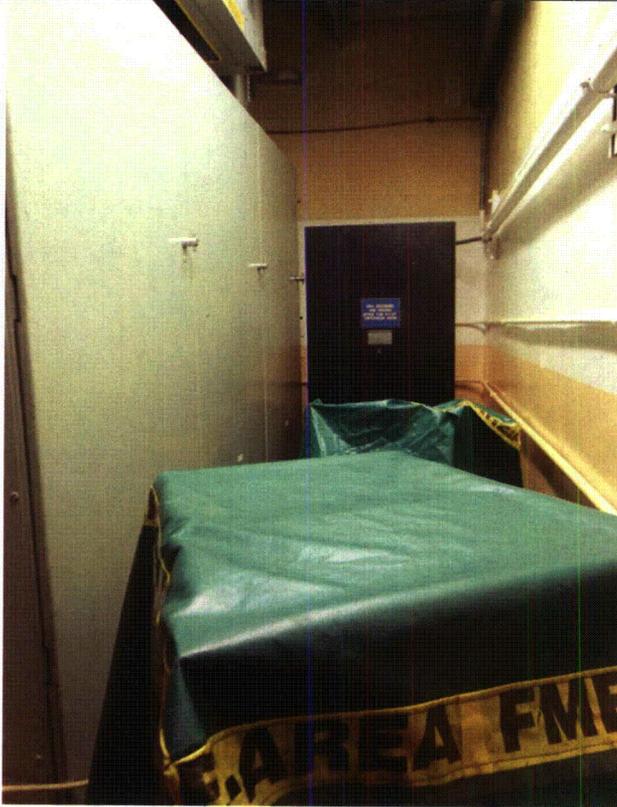
Area # AUX, 27, CAL-AB-317 8-15-12 200

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317



Area # AUX, 27, CAL-AB-317 8-15-12 201



Area # AUX, 27, CAL-AB-317 8-15-12 202

ATTACHMENT 4

AREA WALK-BY CHECKLIST

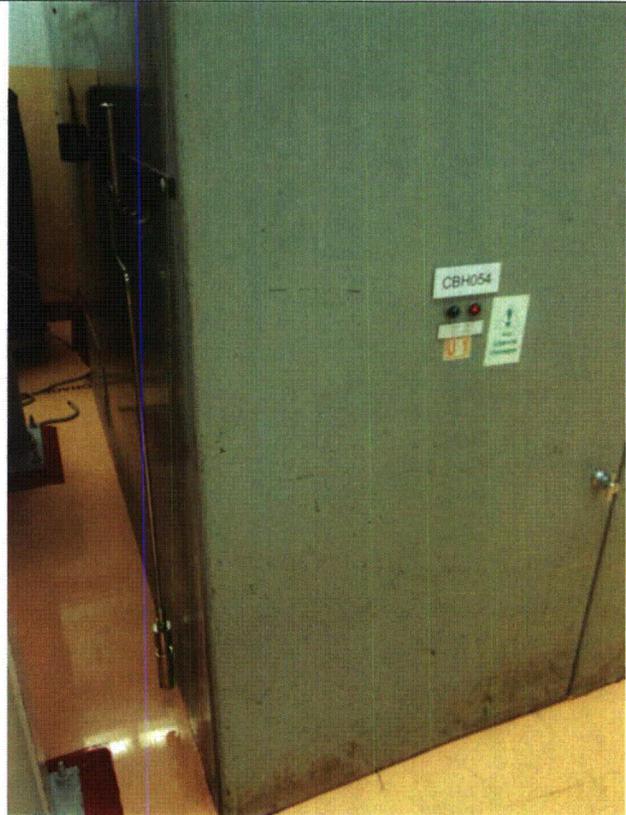
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317



Area # AUX, 27, CAL-AB-317 8-15-12 203



Area # AUX, 27, CAL-AB-317 8-15-12 204

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317



Area # AUX, 27, CAL-AB-317 8-15-12 205



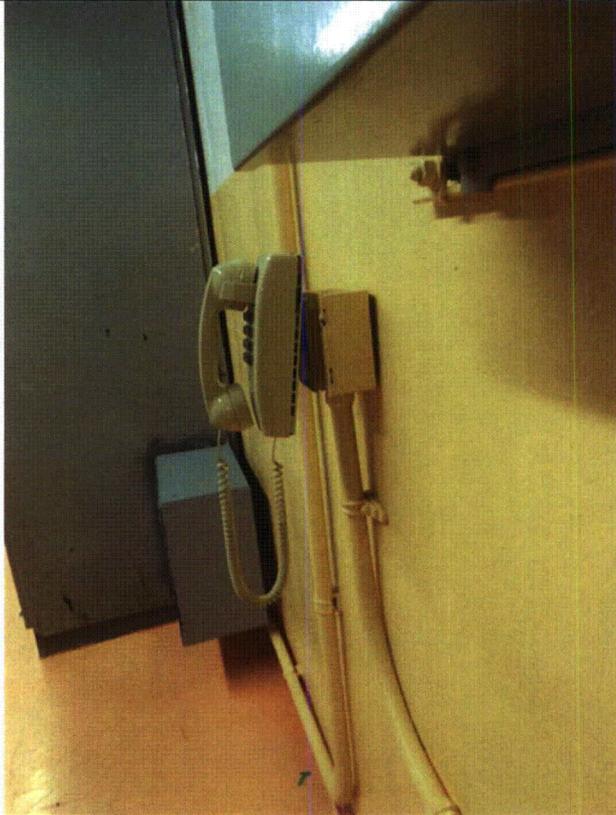
Area # AUX, 27, CAL-AB-317 8-15-12 206

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-317



Area # AUX, 27, CAL-AB-317 8-15-12 207



Area # AUX, 27, CAL-AB-317 8-15-12 208

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
*Overhead lighting are over pump sight glasses.
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.*
 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:

A. Karavoussianis

A. Karavoussianis

Date: 11/09/2012

C. Figliolini

C. Figliolini

11/09/2012



ATTACHMENT 4

AREA WALK-BY CHECKLIST

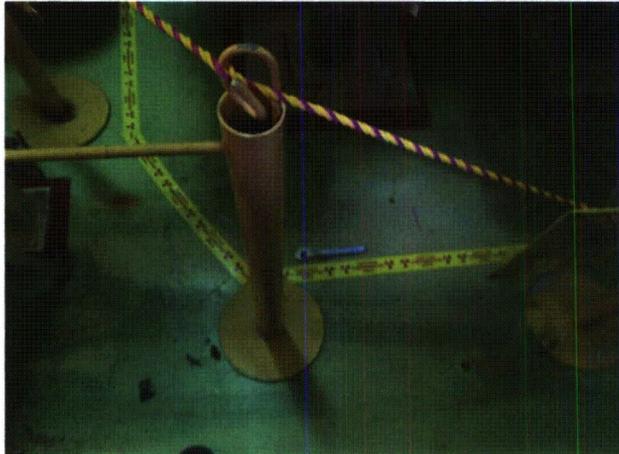
Status: Y N U

Area Walk-By Checklist (AWC)

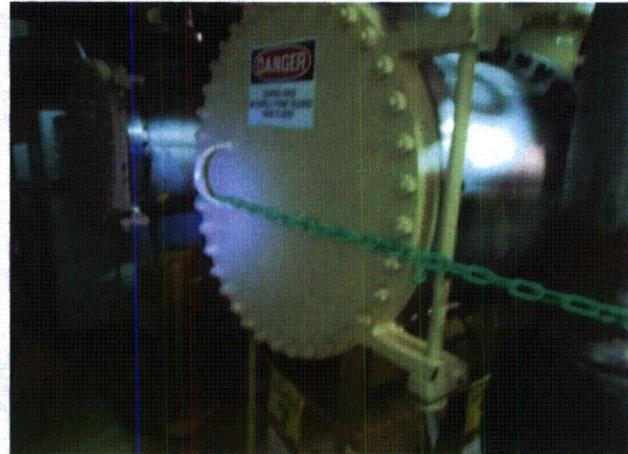
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320

Area # AUX, 27, CAL-AB-320 8-10-12 071

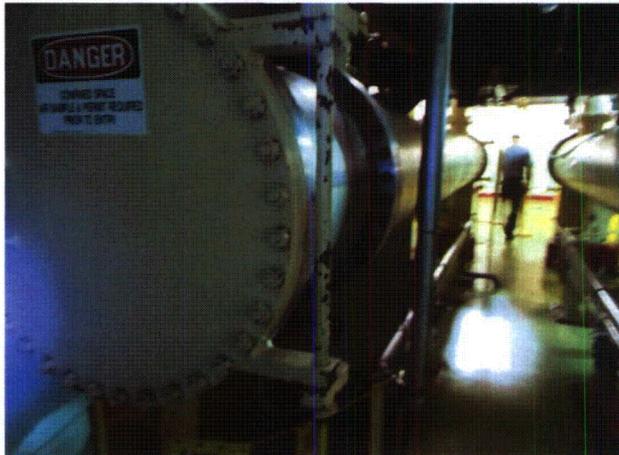
Area # AUX, 27, CAL-AB-320 8-10-12 074



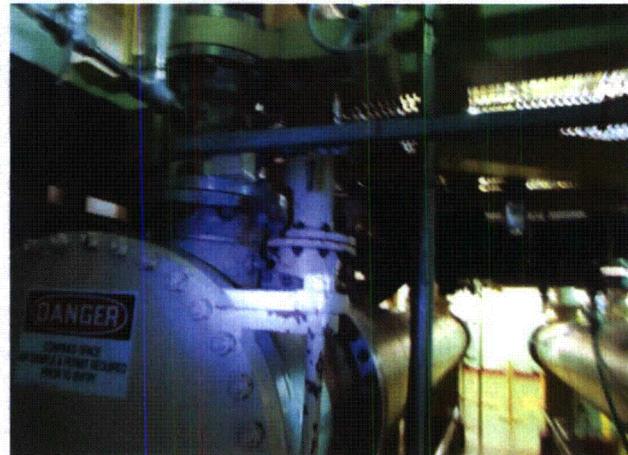
Area # AUX, 27, CAL-AB-320 8-10-12 080



Area # AUX, 27, CAL-AB-320 8-10-12 081



Area # AUX, 27, CAL-AB-320 8-10-12 082



Area # AUX, 27, CAL-AB-320 8-10-12 083

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320



Area # AUX, 27, CAL-AB-320 8-10-12 084



Area # AUX, 27, CAL-AB-320 8-10-12 085

ATTACHMENT 4
AREA WALK-BY CHECKLIST

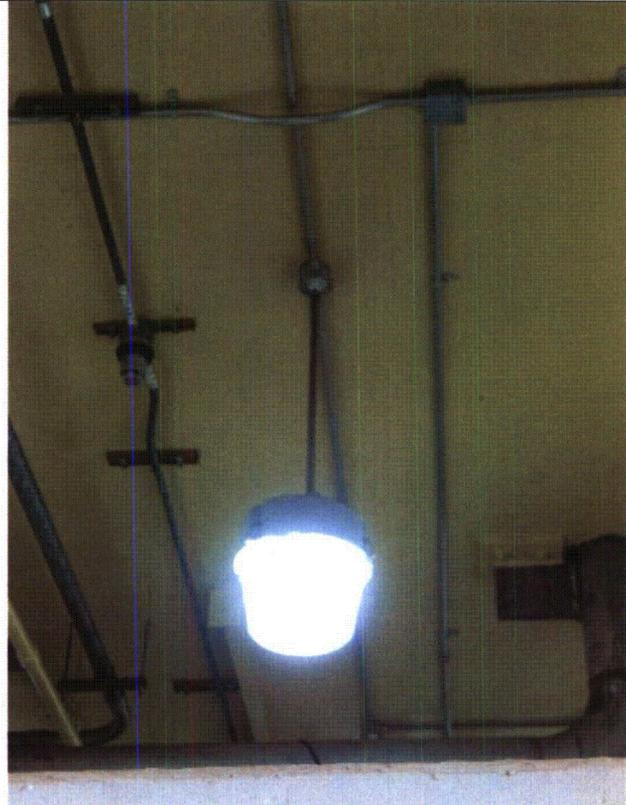
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320



Area # AUX, 27, CAL-AB-320 8-10-12 086



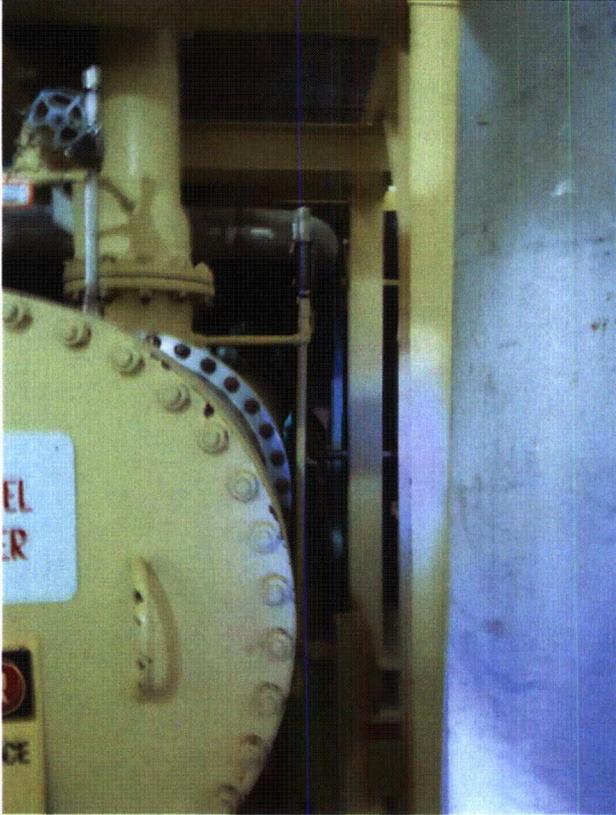
Area # AUX, 27, CAL-AB-320 8-10-12 087

ATTACHMENT 4
AREA WALK-BY CHECKLIST

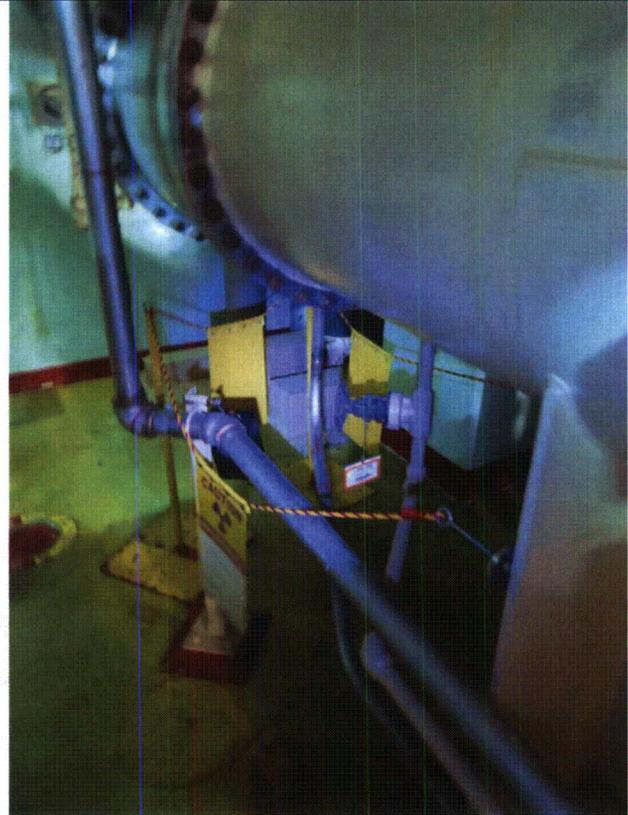
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320



Area # AUX, 27, CAL-AB-320 8-10-12 088



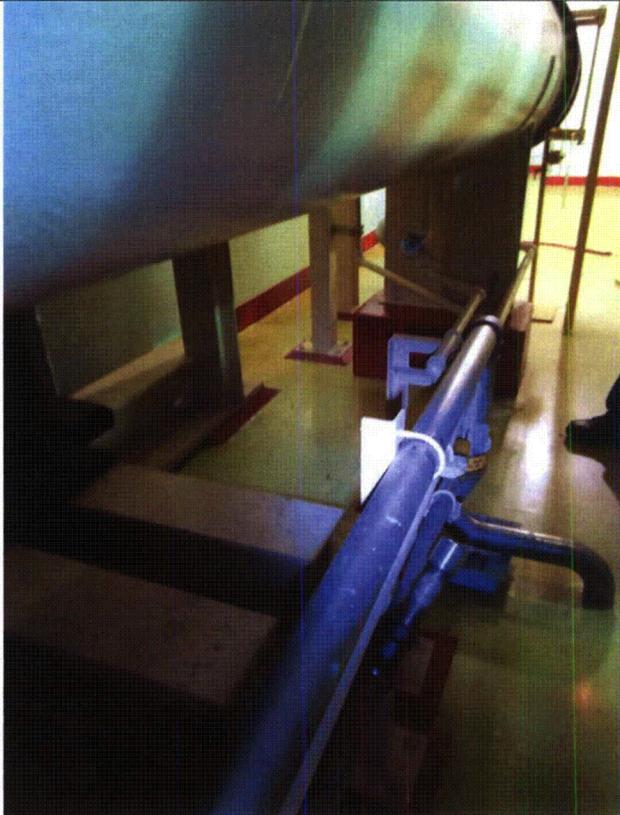
Area # AUX, 27, CAL-AB-320 8-10-12 089

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-320



Area # AUX, 27, CAL-AB-320 8-10-12 090



Area # AUX, 27, CAL-AB-320 8-10-12 091

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Masonry block walls, identified as D, E, F, G, H, Q, S, Y, Z and AA on drawing A-259, are safety-related and thus seismically rated per IE Bulletin 80-11.
Observed trash and recycling bins, but bins are light weight therefore they are not a seismic concern.
A conference room with chairs is bound by a cabinet that does not actuate equipment, therefore it is not a seismic concern.
10/3/12 - The control room ceiling has been previously evaluated by CCNPP and was determined to not be a credible seismic concern.

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

C. Figliolini C. Figliolini 11/09/2012



Area # AUX, 45, CAL-AB-405 8-14-12 188



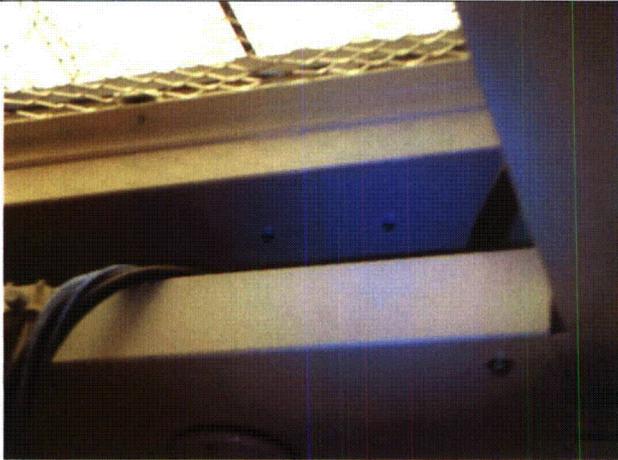
Area # AUX, 45, CAL-AB-405 8-14-12 189

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405



Area # AUX, 45, CAL-AB-405 8-14-12 190

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-421

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? No
Air receiver tank anchorage angles are raised approximately 1/8" to 1/4". CR-2012-009323

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
*There is overhead lighting in the area.
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.*

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

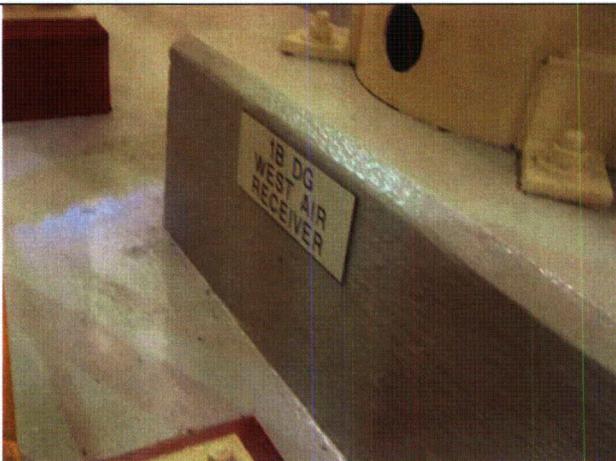
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-421

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

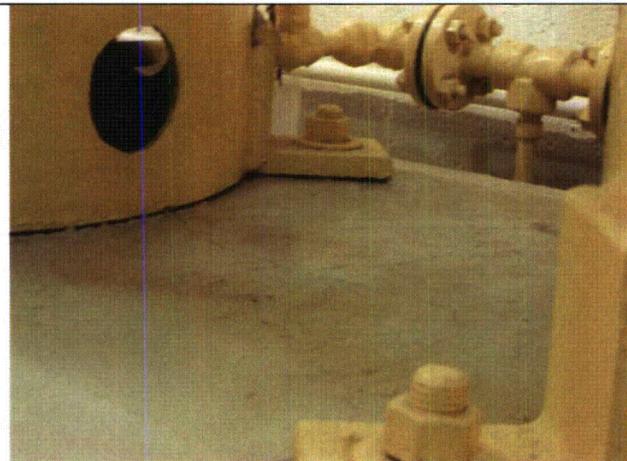
Comments

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

C. Figliolini
C. Figliolini 11/09/2012



Area # AUX, 45, CAL-AB-421 8-13-12 167



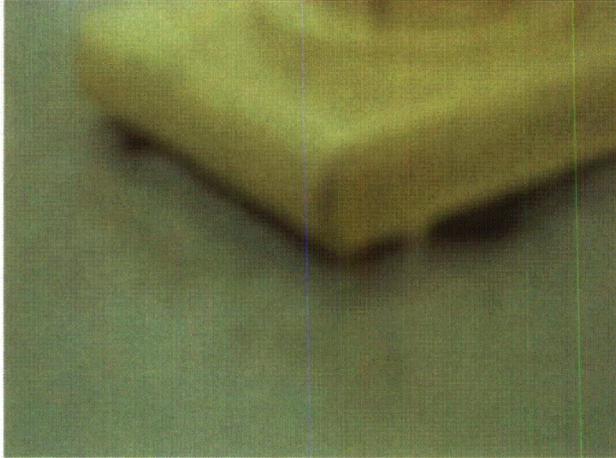
Area # AUX, 45, CAL-AB-421 8-13-12 168

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

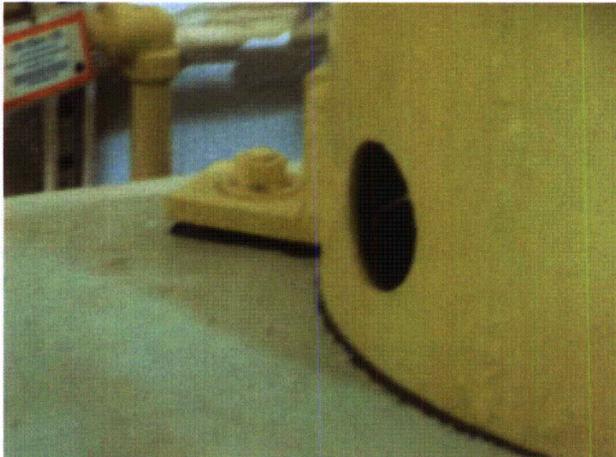
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-421



Area # AUX, 45, CAL-AB-421 8-13-12 169



Area # AUX, 45, CAL-AB-421 8-13-12 170



Area # AUX, 45, CAL-AB-421 8-13-12 171

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-423

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? No
Anchor bolts are not properly engaged on 1PT-5313D. Refer to SWC for 1PT-5313D.

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-423

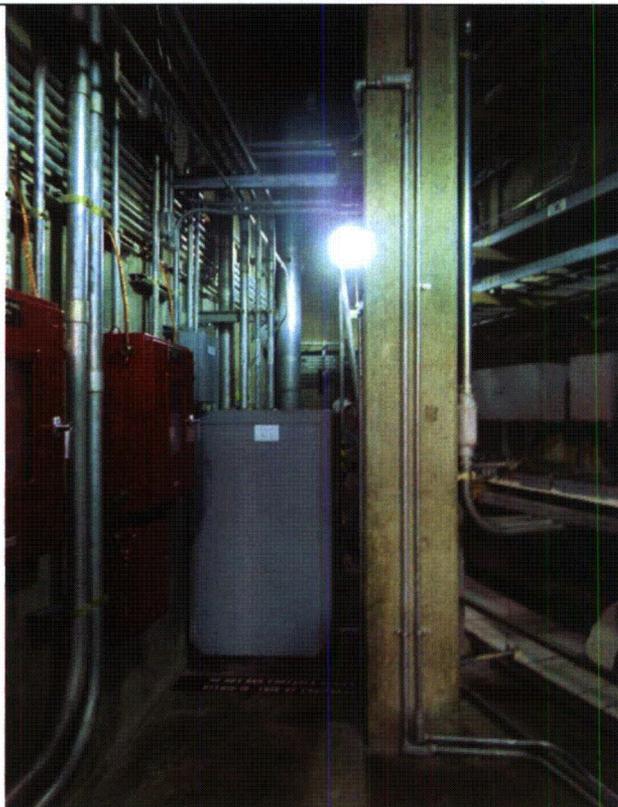
Observed tool cart on rollers with rear rollers locked and far from MCCs, therefore judged not to be a seismic concern.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

C. Figliolini C. Figliolini 11/09/2012



ATTACHMENT 4

AREA WALK-BY CHECKLIST

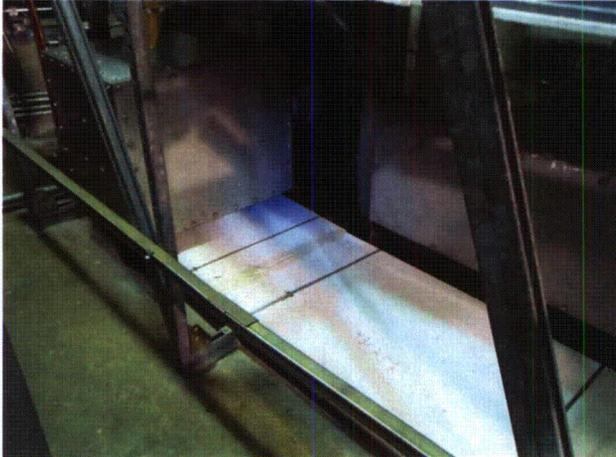
Status: Y N U

Area Walk-By Checklist (AWC)

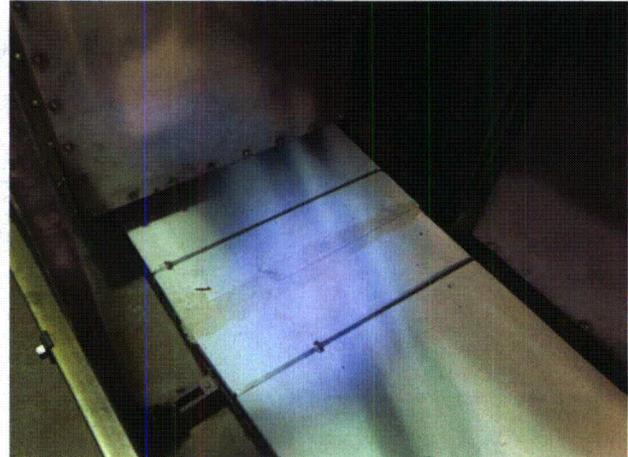
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-423

Area # AUX, 45, CAL-AB-423 8-7-12 018

Area # AUX, 45, CAL-AB-423 8-7-12 019



Area # AUX, 45, CAL-AB-423 8-7-12 020



Area # AUX, 45, CAL-AB-423 8-7-12 021



Area # AUX, 45, CAL-AB-423 8-7-12 022



Area # AUX, 45, CAL-AB-423 8-7-12 023

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-423



Area # AUX, 45, CAL-AB-423 8-7-12 024

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping and vertical fire piping with Victaulic coupling, Fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428

A steel instrument was found on steel and a wrench was found on a scaffold near the 11 SG blowdown tank, none of which are a seismic concern.

*However, the following are potential seismic issues that need to be evaluated:
CR-2012-008387 UNO*

-A wrench was found on unistrut above a gauge.

-A scaffold was temporarily stored and restrained near water pipe attachment valves.

*-The scaffold storage area used racks that do not seem seismically restrained.
CR-2012-009724*

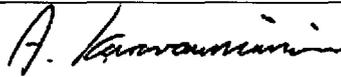
-Found an unlatched panel (1R1T4014) next to the 1ND4014 panel.

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

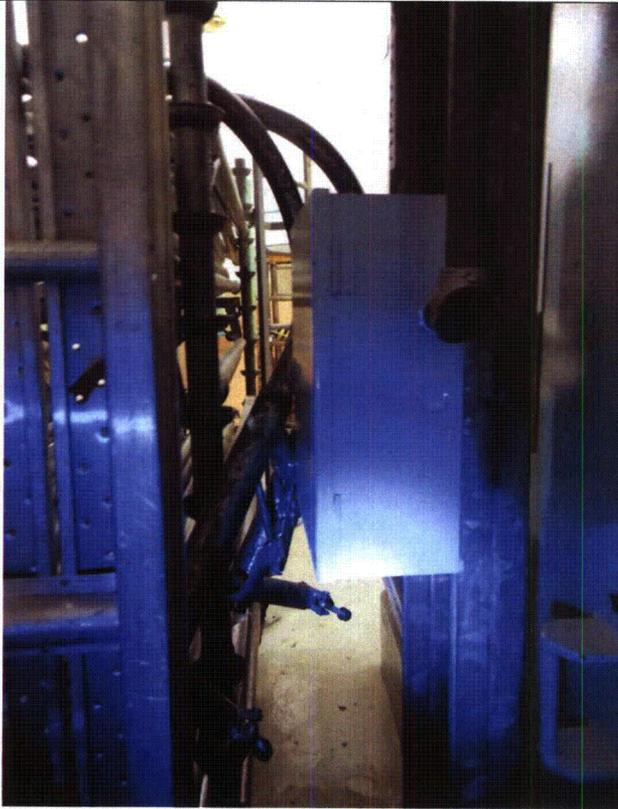
11/09/2012

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428



Area # AUX, 45, CAL-AB-428 8-8-12 166



Area # AUX, 45, CAL-AB-428 8-8-12 172

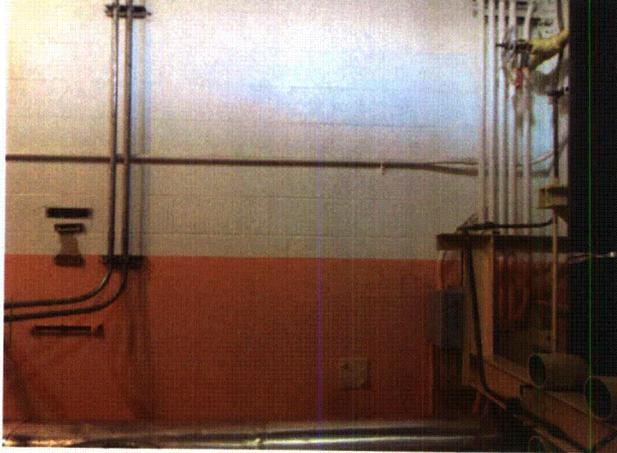
ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428



Area # AUX, 45, CAL-AB-428 8-8-12 173



Area # AUX, 45, CAL-AB-428 8-8-12 174

ATTACHMENT 4

AREA WALK-BY CHECKLIST

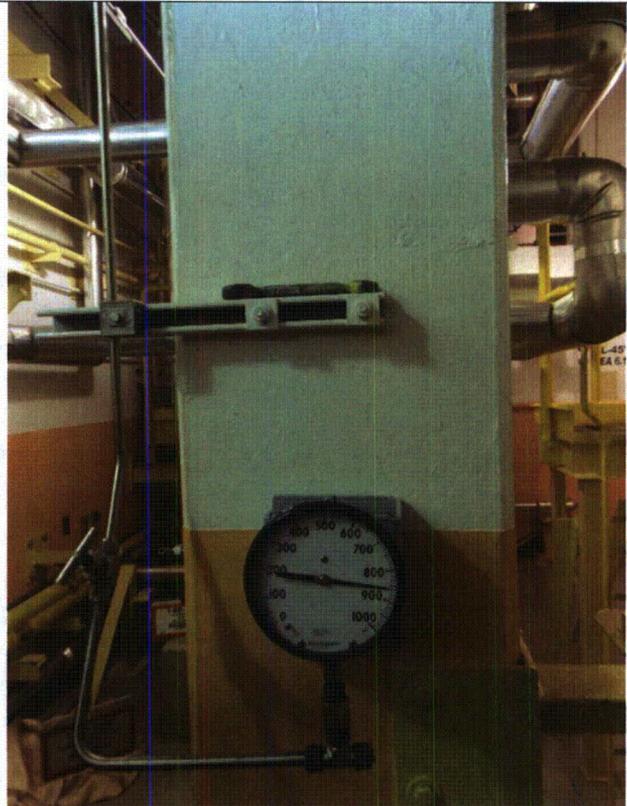
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428



Area # AUX, 45, CAL-AB-428 8-8-12 175



Area # AUX, 45, CAL-AB-428 8-8-12 176

ATTACHMENT 4

AREA WALK-BY CHECKLIST

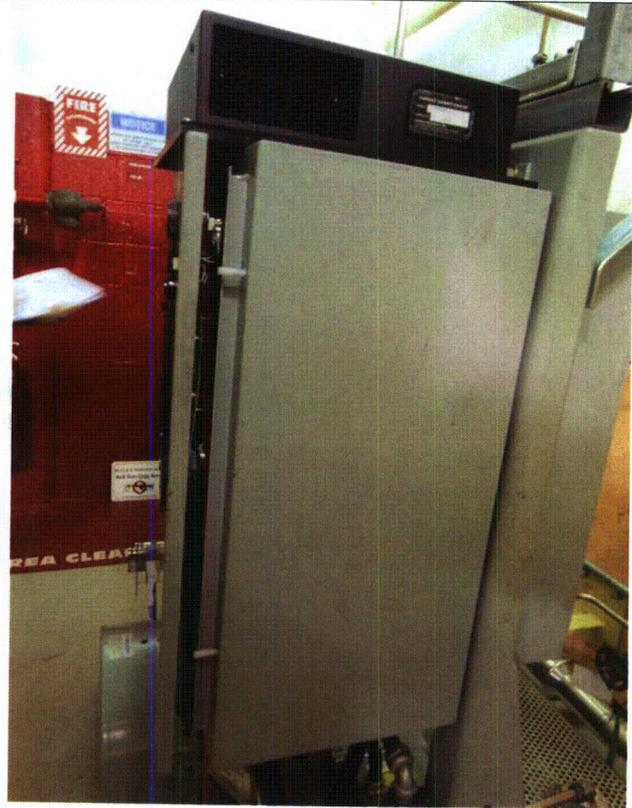
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428



Area # AUX, 45, CAL-AB-428 8-8-12 177



Area # AUX, 45, CAL-AB-428 8-8-12 178

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-428



Area # AUX, 45, CAL-AB-428 8-8-12 179



Area # AUX, 45, CAL-AB-428 8-8-12 180

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Observed a 20 X 20 MCC (IN430) with an 1/8" gap and INB402 with an 1/8" gap.
Evaluated using 8 Hz for both MCC's 2% damping and 1.6 PF
The resulting displacement is 0.122", which is less than 1/8", therefore the gap is acceptable.

Response Spectrum AW045D2N.dat
A=0.25g
P=2% (USAR Table SA-8)
W=8 Hz for both MCC's (IN420 AND 2NB402)
*D= A/W^2 = 1.6*2*0.25*386.4/(8*2)^2 = 0.122" < 0.125" : OK*

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

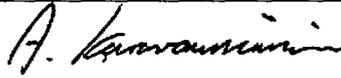
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Found a tool cart with wheels unlocked and a chair at the corner of the room without tie-offs. Although not good seismic housekeeping practices, they are not seismic concerns
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes
Observed a loose grounding wire on conduit, however determined not to be a seismic concern.

Comments

Also observed tendon leakage.

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

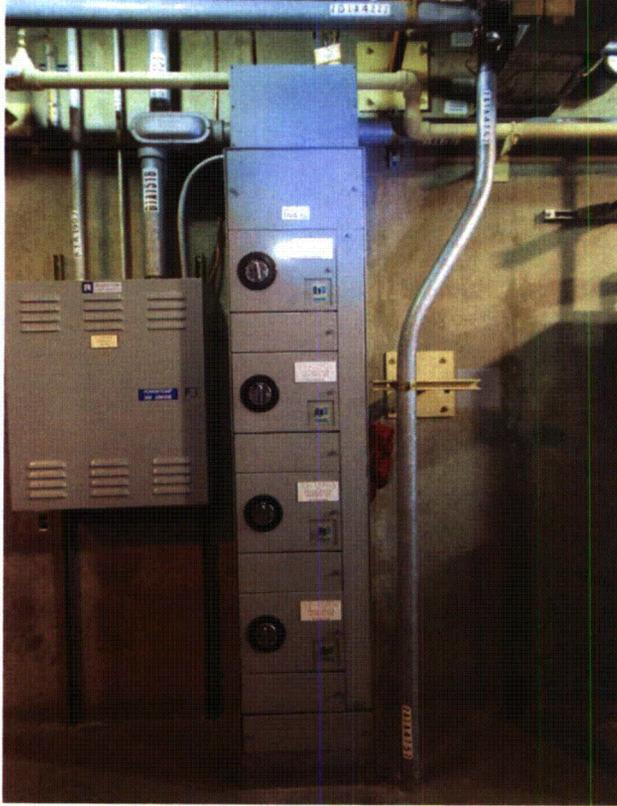
ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429



Area # AUX, 45, CAL-AB-429 8-8-12 114



Area # AUX, 45, CAL-AB-429 8-8-12 115

ATTACHMENT 4

AREA WALK-BY CHECKLIST

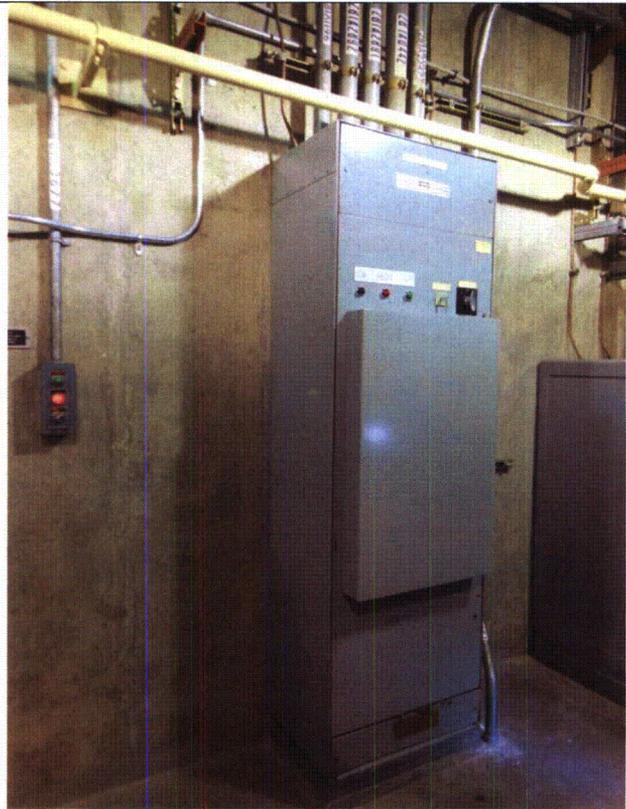
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429



Area # AUX, 45, CAL-AB-429 8-8-12 116



Area # AUX, 45, CAL-AB-429 8-8-12 117

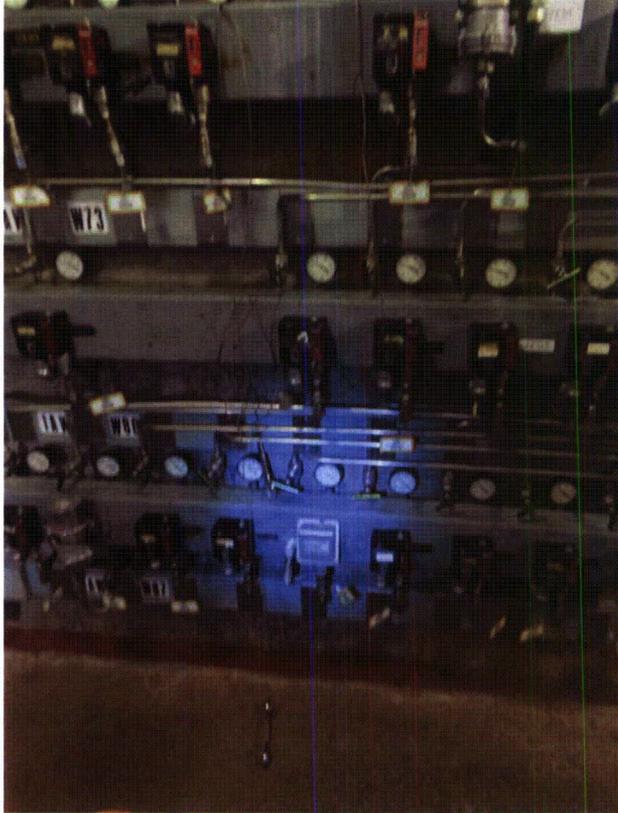
ATTACHMENT 4

AREA WALK-BY CHECKLIST

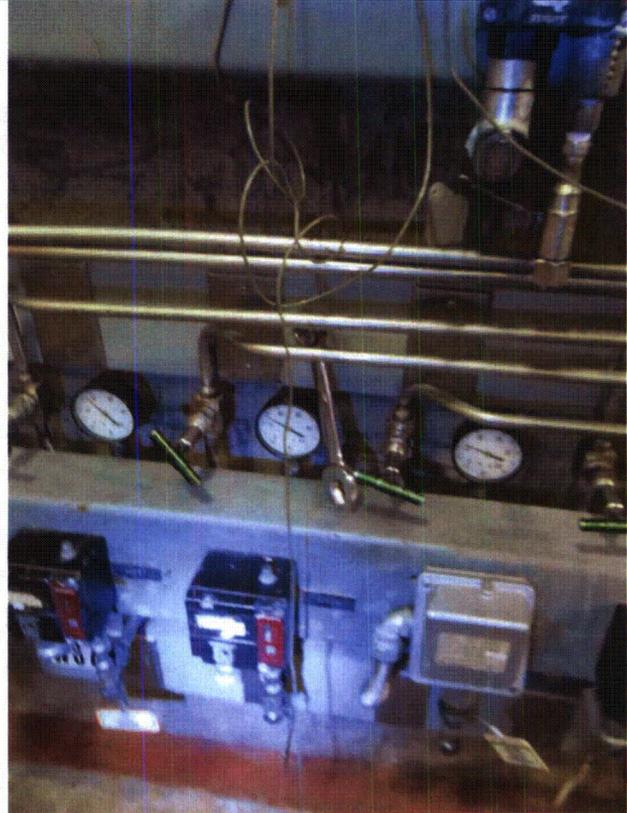
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429



Area # AUX, 45, CAL-AB-429 8-8-12 118



Area # AUX, 45, CAL-AB-429 8-8-12 119



Area # AUX, 45, CAL-AB-429 8-8-12 120



Area # AUX, 45, CAL-AB-429 8-8-12 121

ATTACHMENT 4

AREA WALK-BY CHECKLIST

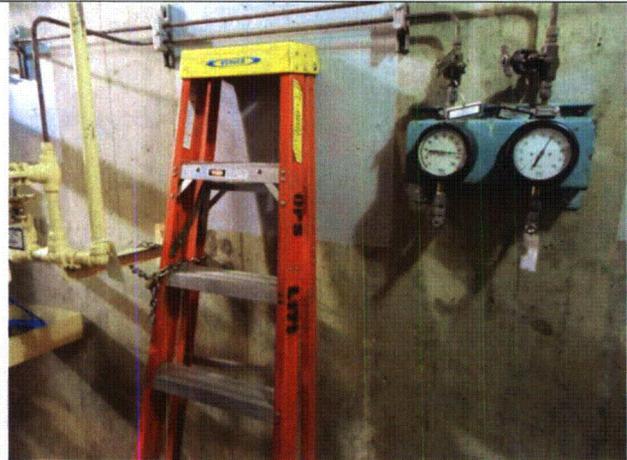
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-429



Area # AUX, 45, CAL-AB-429 8-8-12 122



Area # AUX, 45, CAL-AB-429 8-8-12 123

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
Observed, open ladder and regular type cable trays supported and braced similar to other SWGR rooms and judged seismically acceptable.

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? No
Top box of cabinet 1NA406 is in contact with a lighting conduit. The cabinet is 32 x 29", heavy gage with no automatic function and will not crush conduit, therefore the condition was judged not to be a seismic concern.

Maintenance equipment mounted on the side of trip sensitive cabinet (RCP) and is a possible adverse seismic condition. CR-2012-008676

Support steel for inductor bank (RCP) is within an 1/8" of RCP cabinet JB conduit near JB top and needs to be investigated. CR-2012-009234

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

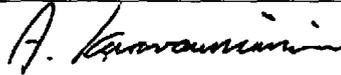
Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Observed temporary MVD scaffolding not tagged as seismic. The scaffold is near halon bottles and pipes and 24" from Bus 14A. The scaffold is restricted from striking the Halon system by bracing, and the scaffold will not move 24" to strike Bus 14A, therefore the condition was judged as not an adverse seismic condition.
The temporary support between 1NA410 and 408 is judged as adequately braced.
A scaffold is 3-1/2" from 4KV Breaker cabinets, however the scaffold is braced such that it can not translate the 3-1/2" and therefore is not an adverse seismic concern.
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

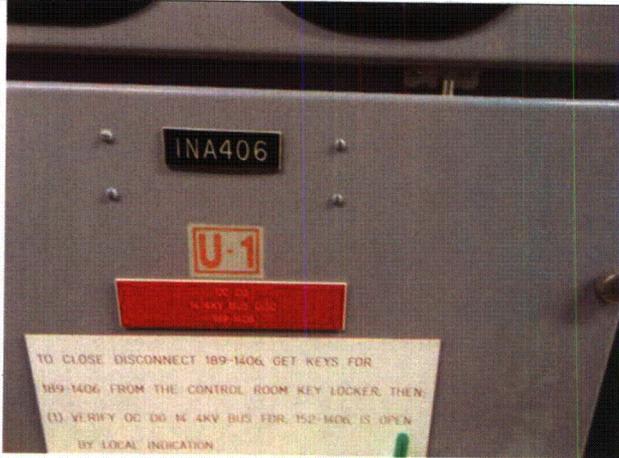
11/09/2012

ATTACHMENT 4 AREA WALK-BY CHECKLIST

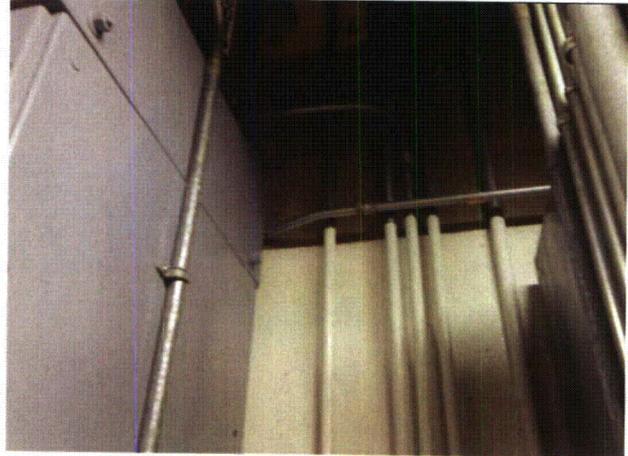
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



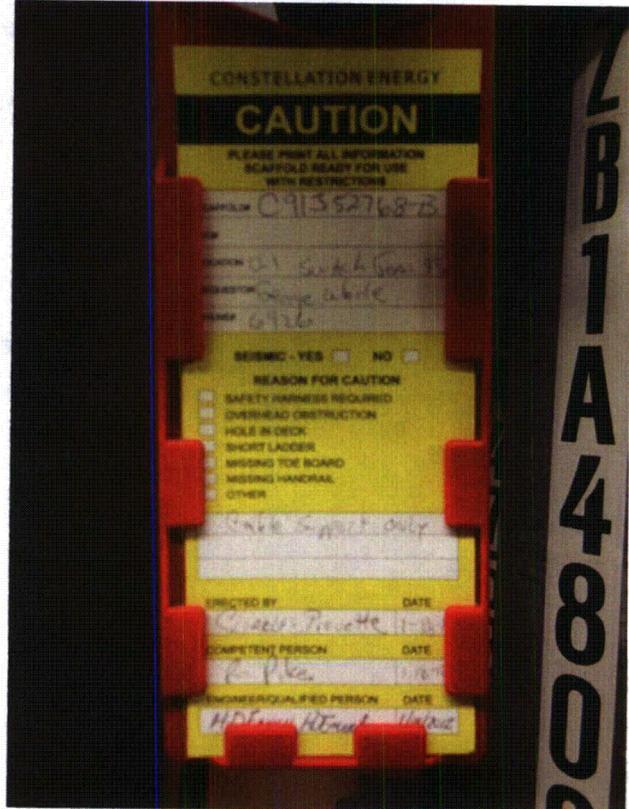
Area # AUX, 45, CAL-AB-430 8-16-12 120



Area # AUX, 45, CAL-AB-430 8-16-12 121



Area # AUX, 45, CAL-AB-430 8-16-12 122



Area # AUX, 45, CAL-AB-430 8-16-12 123

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

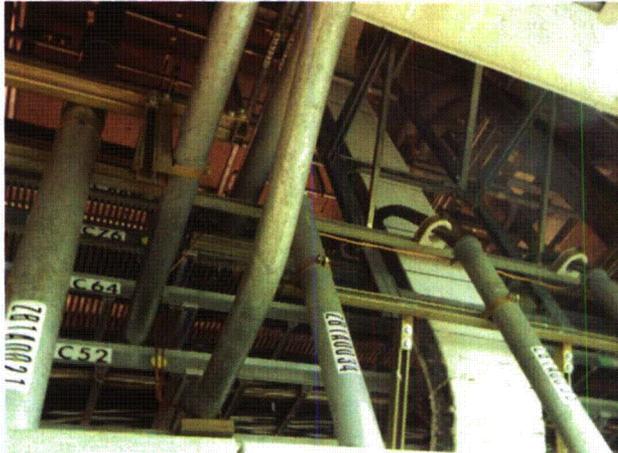
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



Area # AUX, 45, CAL-AB-430 8-16-12 124



Area # AUX, 45, CAL-AB-430 8-16-12 125



Area # AUX, 45, CAL-AB-430 8-16-12 126



Area # AUX, 45, CAL-AB-430 8-16-12 127



Area # AUX, 45, CAL-AB-430 8-16-12 128



Area # AUX, 45, CAL-AB-430 8-16-12 129

ATTACHMENT 4

AREA WALK-BY CHECKLIST

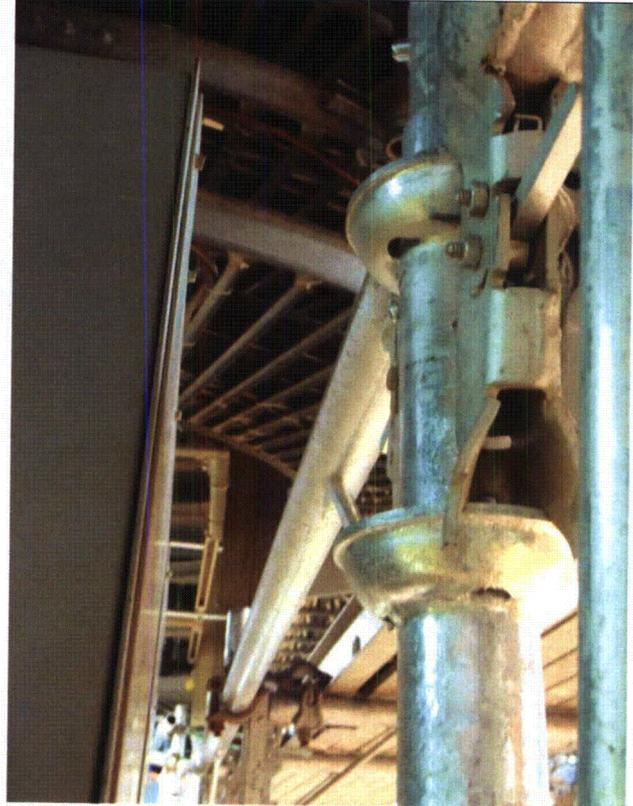
Area Walk-By Checklist (AWC)

Status: Y N U

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



Area # AUX, 45, CAL-AB-430 8-16-12 130



Area # AUX, 45, CAL-AB-430 8-16-12 131

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



Area # AUX, 45, CAL-AB-430 8-16-12 138



Area # AUX, 45, CAL-AB-430 8-16-12 139

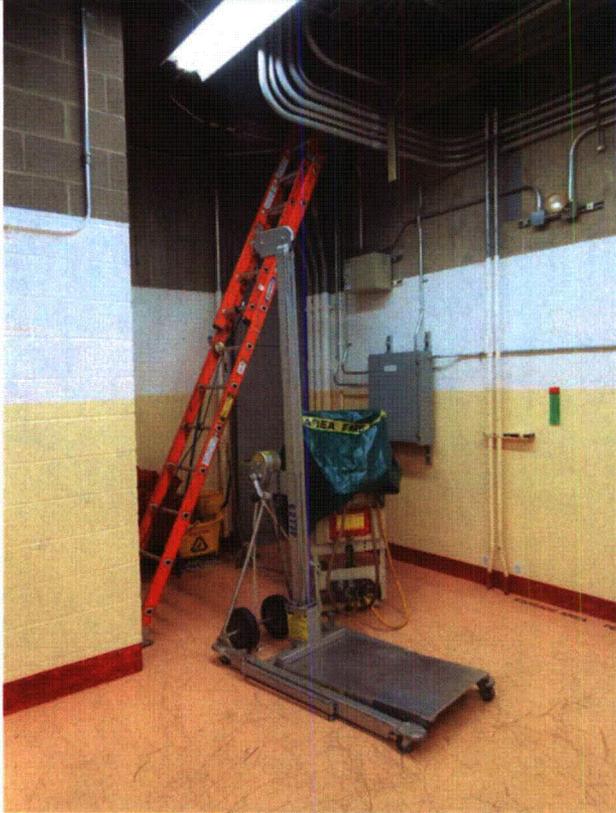
ATTACHMENT 4

AREA WALK-BY CHECKLIST

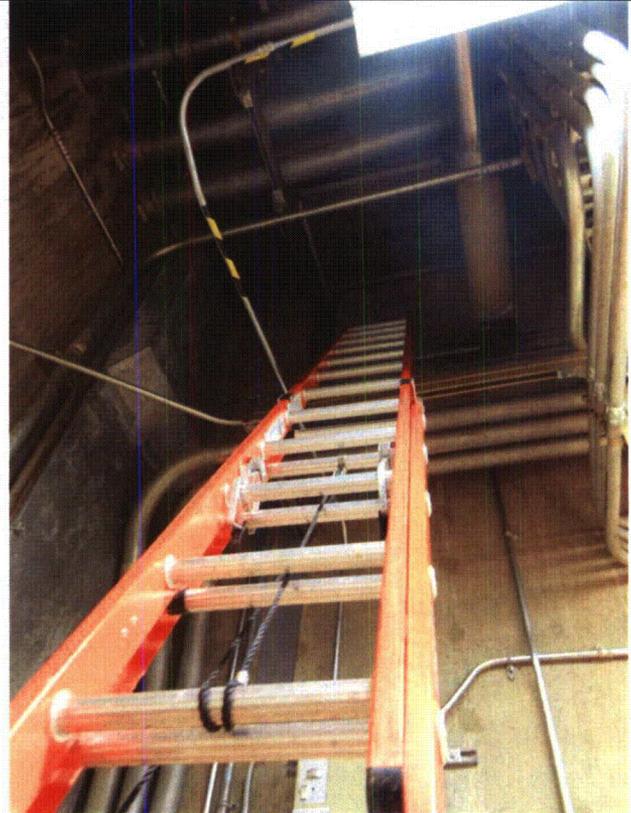
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



Area # AUX, 45, CAL-AB-430 8-16-12 140



Area # AUX, 45, CAL-AB-430 8-16-12 141



Area # AUX, 45, CAL-AB-430 8-16-12 142



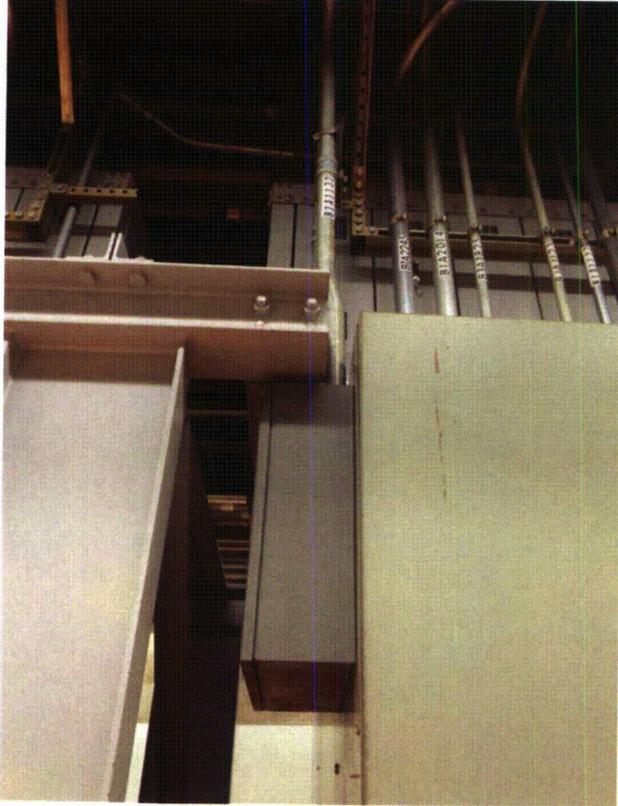
Area # AUX, 45, CAL-AB-430 8-16-12 143

ATTACHMENT 4
AREA WALK-BY CHECKLIST

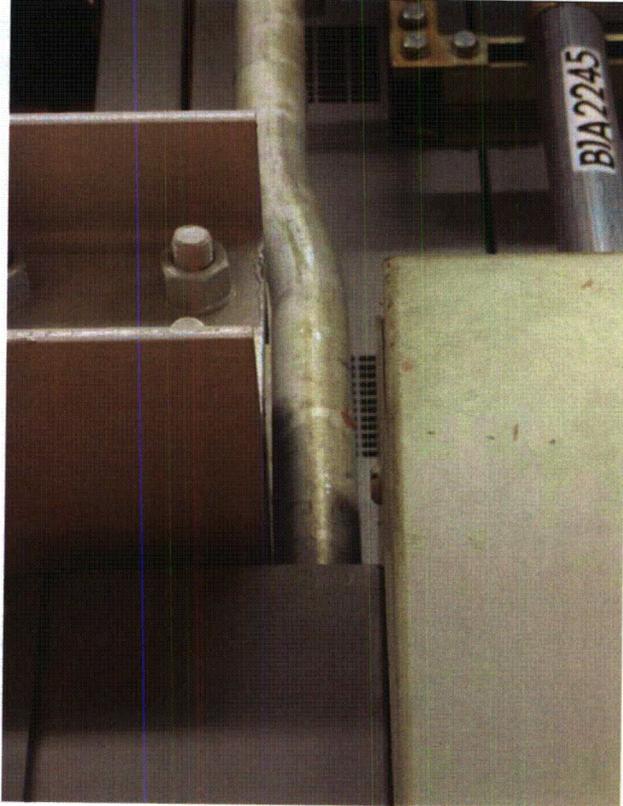
Area Walk-By Checklist (AWC)

Status: Y N U

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-430



Area # AUX, 45, CAL-AB-430 8-16-12 144



Area # AUX, 45, CAL-AB-430 8-16-12 145

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-439

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? No
There is an area radiation monitor mounted on an unanchored stanchion, that has the potential to fall and strike a pump or piping/valve in the immediate area. CR-2012-008678

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

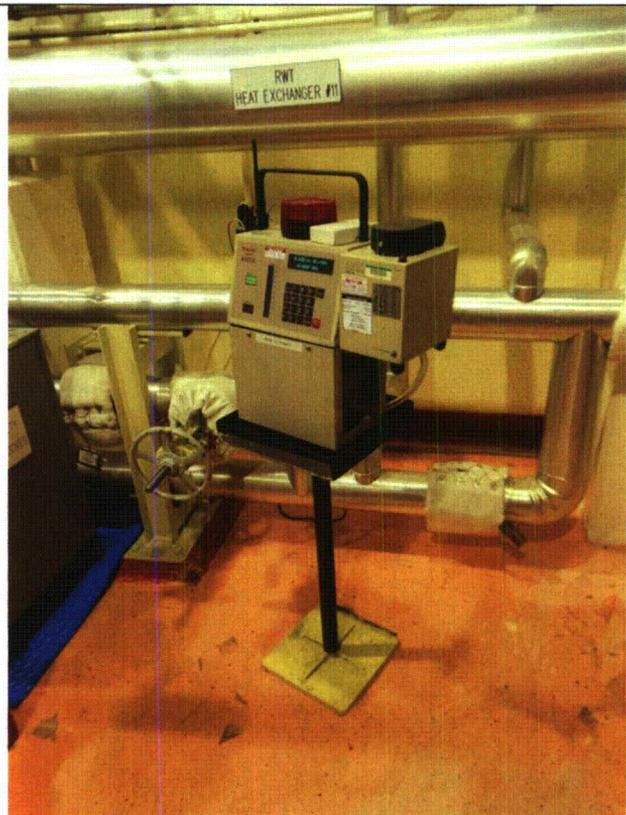
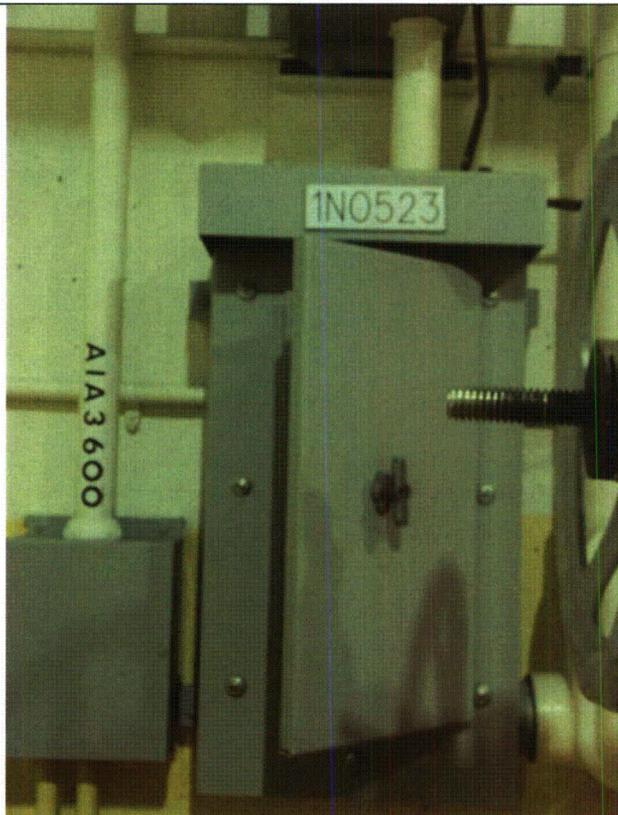
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-439

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes
Observed an unlatched lighting panel, however it is not a seismic concern.

Comments

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

C. Figliolini C. Figliolini 11/09/2012



ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-439

Area # AUX, 45, CAL-AB-439 8-13-12 280

Area # AUX, 45, CAL-AB-439 8-13-12 281



Area # AUX, 45, CAL-AB-439 8-13-12 282



Area # AUX, 45, CAL-AB-439 8-13-12 283

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-217

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

- | | | |
|----|--|-----|
| 1. | Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?
<i>Observed various pumps, tank and zinc injection skid, judged seismically acceptable.</i> | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 3. | Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?
<i>Observed lightly load wall mounted cable trays and trapeze hanger conduit supports, judged seismically acceptable.</i> | Yes |
| 4. | Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 7. | Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? | No |
-

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-217

Observed tools left on beams and panels, judged not to be a seismic concern. Also, there is an OPs Procedure binder stored on top of the Zinc injection skid control panel, this is a potential seismic concern. CR-2012-008502

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:

A. Karavoussianis

A. Karavoussianis

Date: 11/09/2012

C. Figliolini

C. Figliolini

11/09/2012



Area # AUX, 5, CAL-AB-217 8-6-12 048

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Area Walk-By Checklist (AWC)

Status: Y N U

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-217
Area # AUX, 5, CAL-AB-217 8-6-12 047



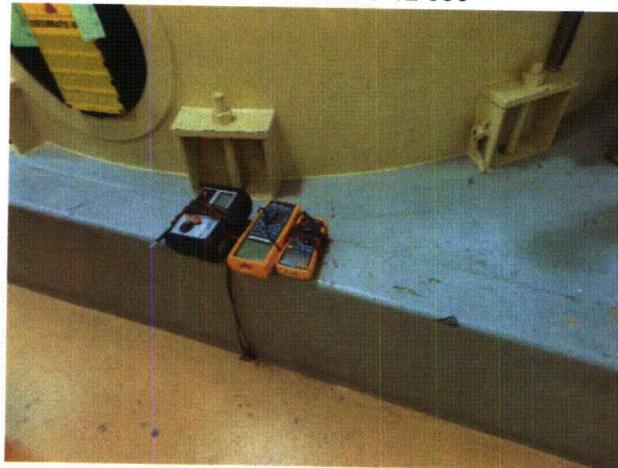
Area # AUX, 5, CAL-AB-217 8-6-12 049



Area # AUX, 5, CAL-AB-217 8-6-12 050



Area # AUX, 5, CAL-AB-217 8-6-12 051



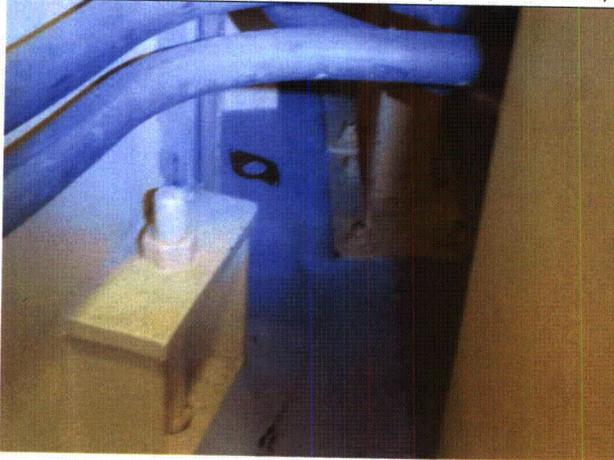
Area # AUX, 5, CAL-AB-217 8-6-12 052

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Area Walk-By Checklist (AWC)

Status: Y N U

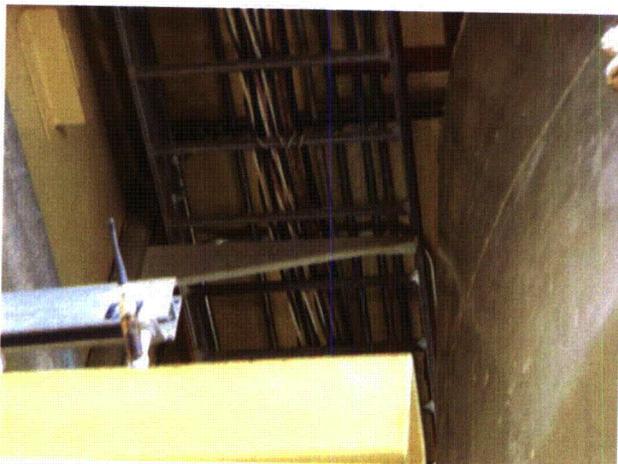
Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-217



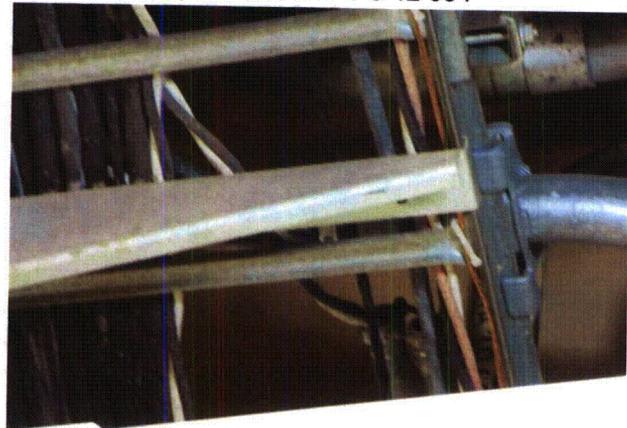
Area # AUX, 5, CAL-AB-217 8-6-12 053



Area # AUX, 5, CAL-AB-217 8-6-12 054



Area # AUX, 5, CAL-AB-217 8-6-12 057



Area # AUX, 5, CAL-AB-217 8-6-12 058

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-217



Area # AUX, 5, CAL-AB-217 8-6-12 059

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-224

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
Observed conduits supported on trapeze hangers judged seismically acceptable.

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
Observed sprinkler heads with guards on well supported fire piping.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

 7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
-

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-224

Found a piping nozzle stored on a steel member, not good housekeeping practice, but not a seismic concern.

Also, observed 2 carts that were unsecured, potential seismic concern for panel near one of the cart, see pictures. CR-2012-009747

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Evaluated by:

A. Karavoussianis

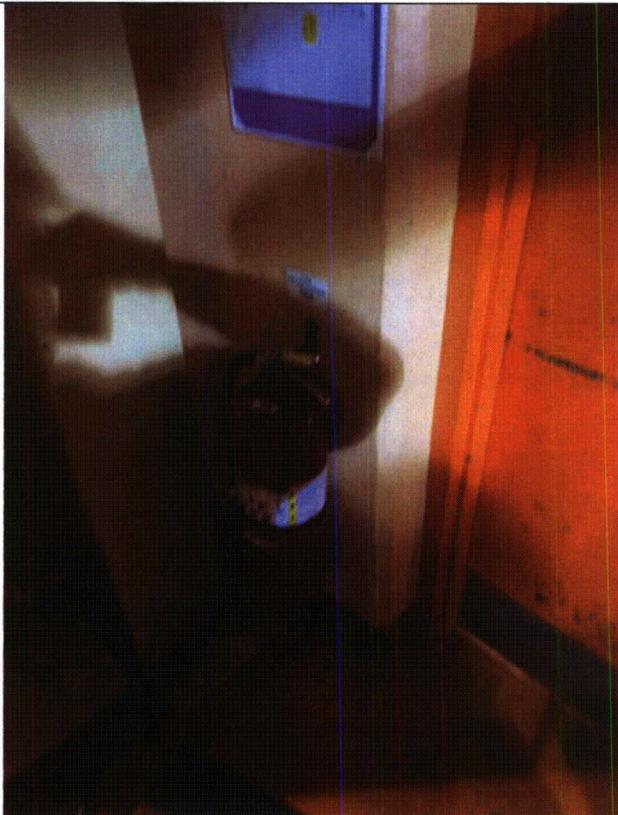
A. Karavoussianis

Date: 11/09/2012

C. Figliolini

C. Figliolini

11/09/2012



Area # AUX, 5, CAL-AB-224 8-6-12 120

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-224

Area # AUX, 5, CAL-AB-224 8-6-12 119



Area # AUX, 5, CAL-AB-224 8-6-12 121



Area # AUX, 5, CAL-AB-224 8-6-12 122



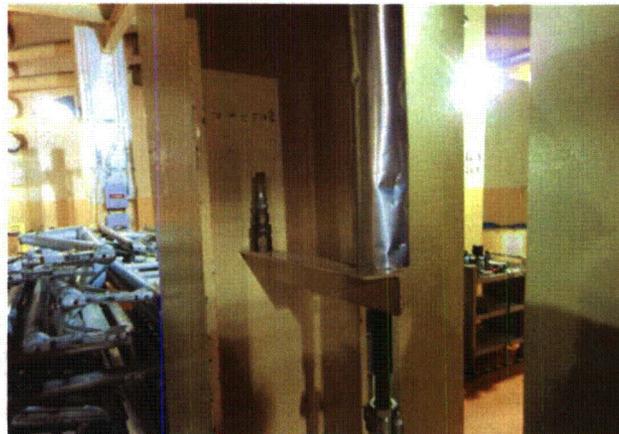
Area # AUX, 5, CAL-AB-224 8-6-12 123



Area # AUX, 5, CAL-AB-224 8-6-12 124



Area # AUX, 5, CAL-AB-224 8-6-12 125



Area # AUX, 5, CAL-AB-224 8-6-12 126

ATTACHMENT 4
AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-224

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
Concrete wall near pipe support is chipped, however it is already tagged and judged not to be a seismic concern.

 3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

 4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
Fire pipe is approximately 1/8" from H1A742 and 1/4" from G43 fire protection, however the FP is well supported nearby and therefore judged not to be a concern.
Overhead light is 1/2" from tubing to valve 1-SW-1231. Light is a short pendulum and the tubing is quite flexible therefore judged not to be a concern.

 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.

 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
-

ATTACHMENT 4

AREA WALK-BY CHECKLIST

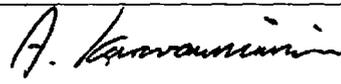
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
- Seismic and well braced scaffolding is approximately 1/4" from a chemical injection line valve and judged not to be a concern.*
- Alarm manual is on top of panel (K-200 and C-200 (11 and 12 B strainer), however it is not a credible seismic concern.*
- Ladder between 1HXSRW12A and wall is unsecure, however it is judged as not a concern.*
- Unrestrained ladder and mop with pail under stairs, not a seismic concern.*
- Unsecure maintenance equipment, ladders, test equipment and fan. Testing equipment is approximately 3" from safety related tubing. M&TE equipment may shift and fall on tubing and may be a potential seismic concern. CR-2012-008387*
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

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

 11/09/2012

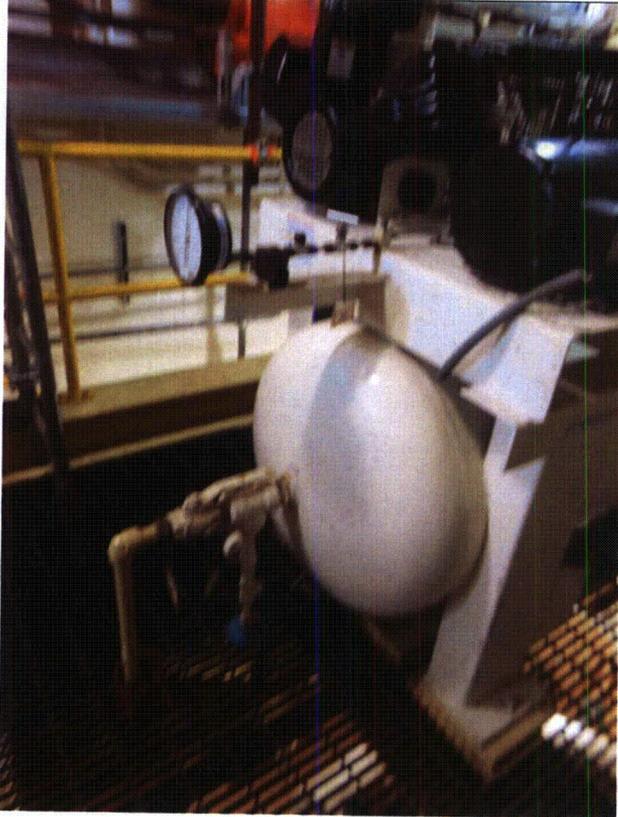
C. Figliolini

ATTACHMENT 4
AREA WALK-BY CHECKLIST

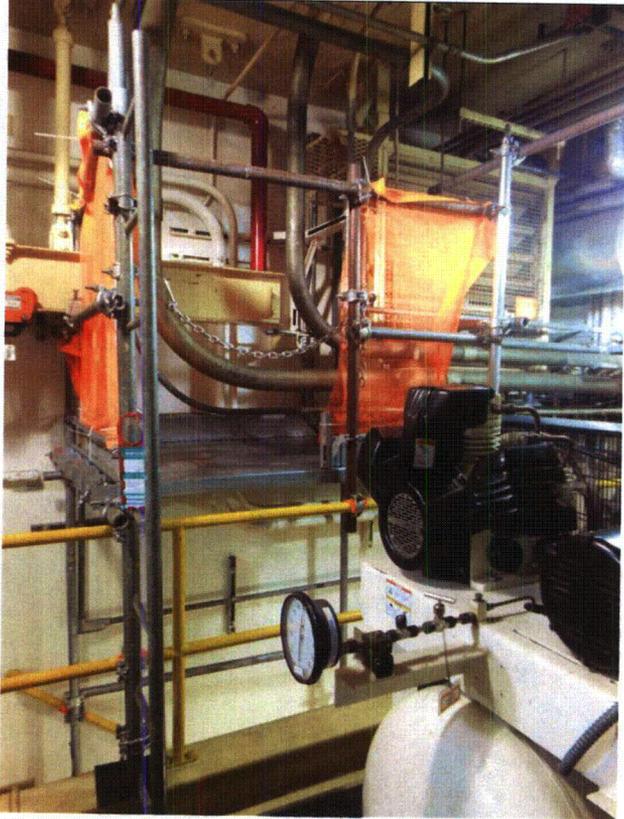
Area Walk-By Checklist (AWC)

Status: Y N U

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



Area # AUX, 5, CAL-AB-226 8-16-12 032



Area # AUX, 5, CAL-AB-226 8-16-12 033

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Area Walk-By Checklist (AWC)

Status: Y N U

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226

PLEASE PRINT ALL INFORMATION

SCAFFOLD# C91942642-0
WORK# C91942642
LOCATION# U1 SWR
REQUESTOR Billy Holt
PHONE# 4820

SEISMIC - YES NO

COMMENTS:
CLEARANCE LESS THAN 3 INCHES
ACCEPTABLE. SCAFFOLDING IS
RIGIDLY SUPPORTED

ERECTED BY	DATE
L McCoy	8/6/12
COMPETENT PERSON	DATE
R Pike	8/6/12
ENGINEER/QUALIFIED PERSON	DATE
HD ENRICH AD Emed	8/16/12

Area # AUX, 5, CAL-AB-226 8-16-12 034



Area # AUX, 5, CAL-AB-226 8-16-12 037

ATTACHMENT 4

AREA WALK-BY CHECKLIST

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



Area # AUX, 5, CAL-AB-226 8-16-12 052



Area # AUX, 5, CAL-AB-226 8-16-12 053

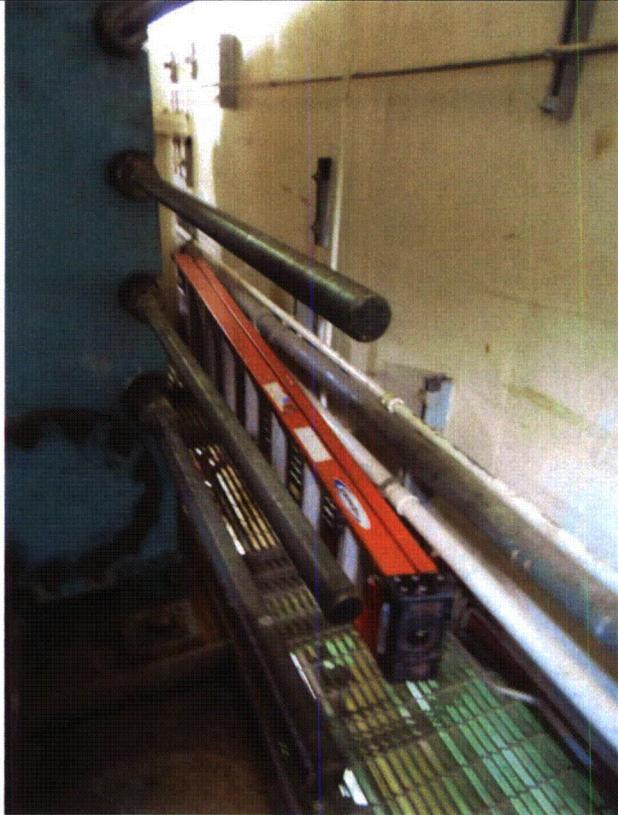
ATTACHMENT 4

AREA WALK-BY CHECKLIST

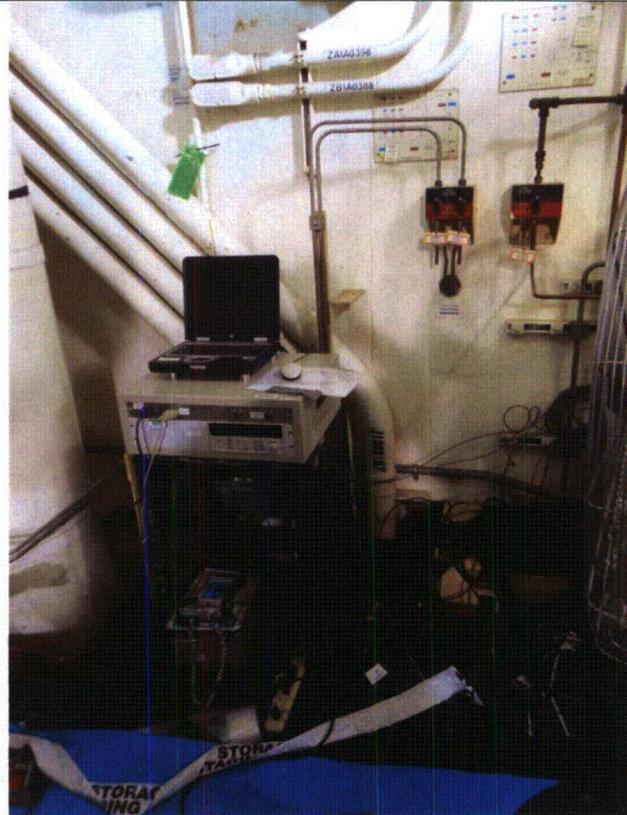
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



Area # AUX, 5, CAL-AB-226 8-16-12 055



Area # AUX, 5, CAL-AB-226 8-16-12 056

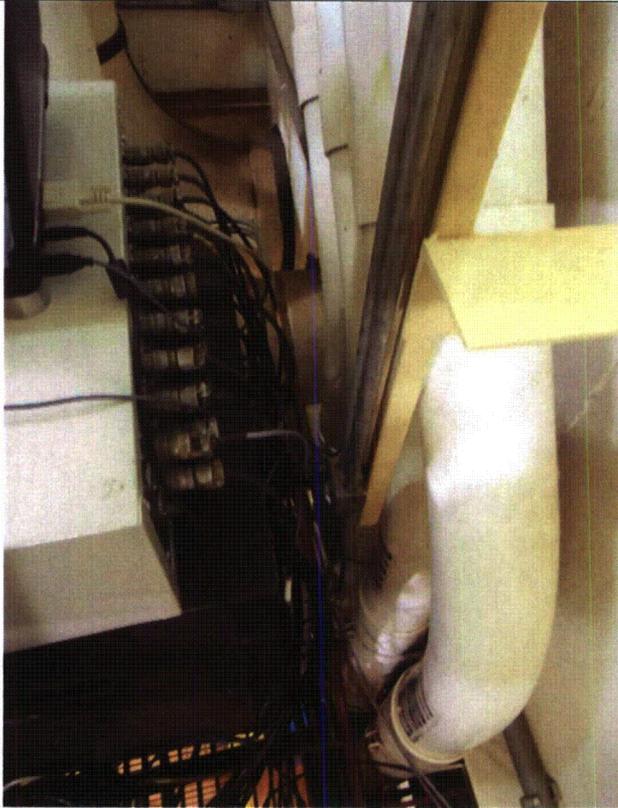
ATTACHMENT 4

AREA WALK-BY CHECKLIST

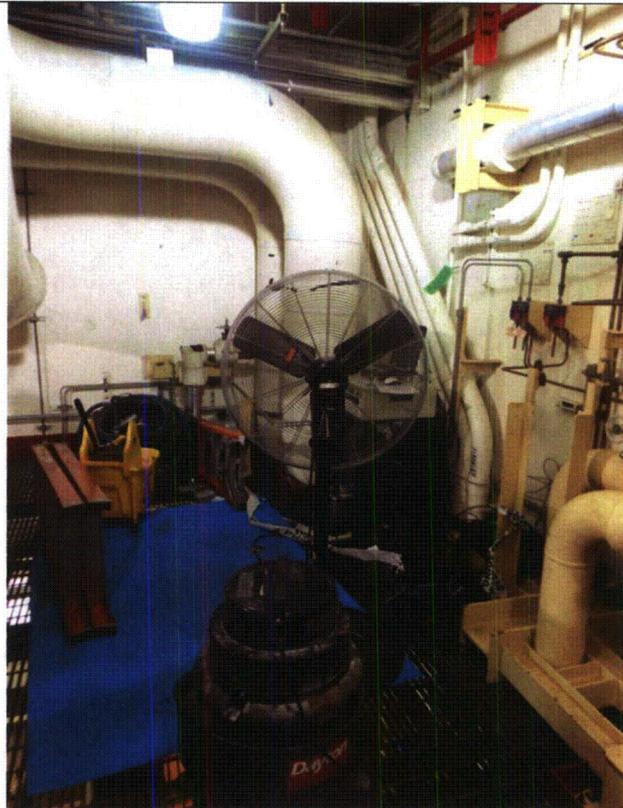
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



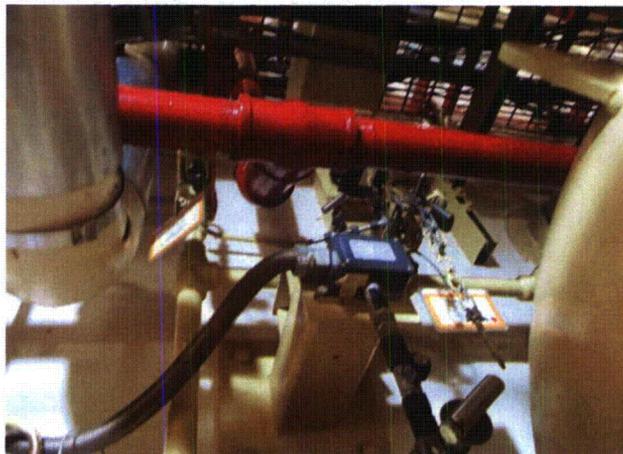
Area # AUX, 5, CAL-AB-226 8-16-12 057



Area # AUX, 5, CAL-AB-226 8-16-12 058



Area # AUX, 5, CAL-AB-226 8-16-12 081



Area # AUX, 5, CAL-AB-226 8-16-12 082

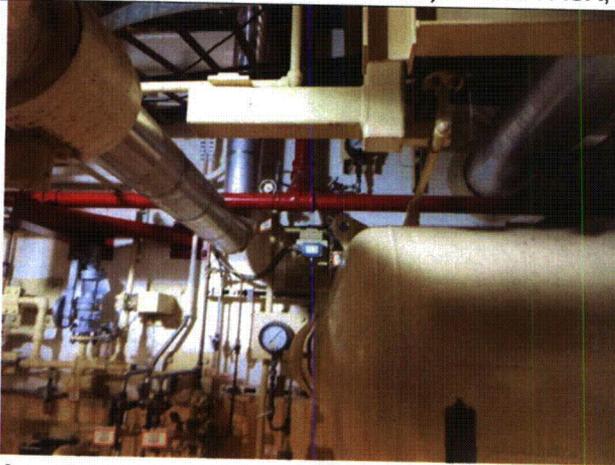
ATTACHMENT 4

AREA WALK-BY CHECKLIST

Area Walk-By Checklist (AWC)

Status: Y N U

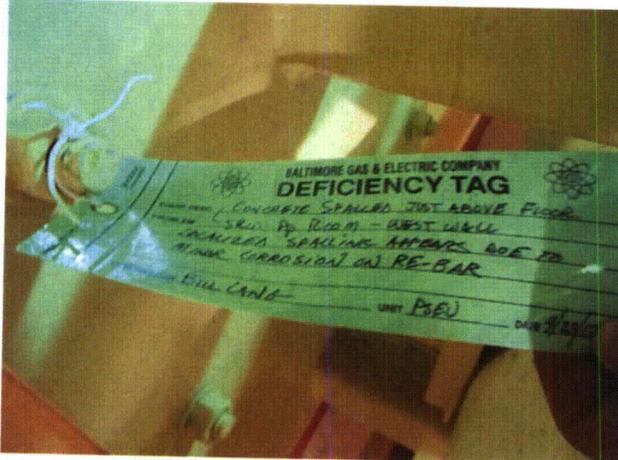
Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



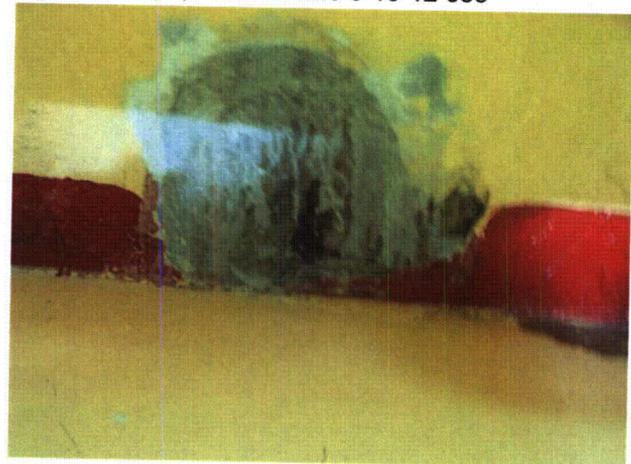
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Area # AUX, 5, CAL-AB-226 8-16-12 085



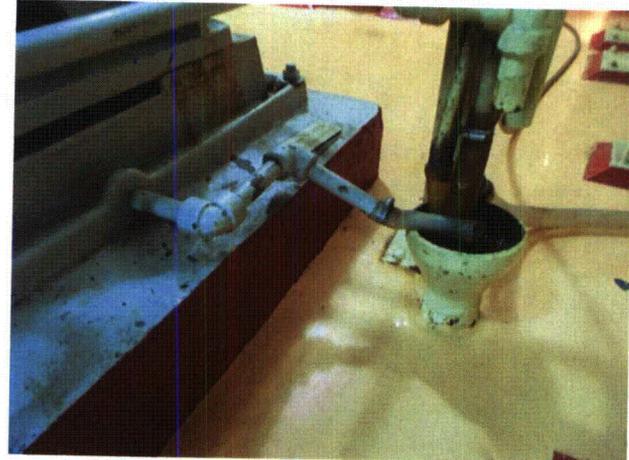
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Area # AUX, 5, CAL-AB-226 8-16-12 087



Area # AUX, 5, CAL-AB-226 8-16-12 088



Area # AUX, 5, CAL-AB-226 8-16-12 089

ATTACHMENT 4
AREA WALK-BY CHECKLIST

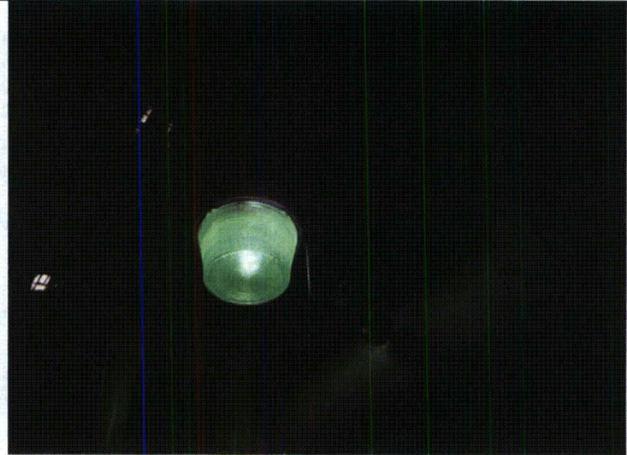
Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 5, CAL-AB-226



Area # AUX, 5, CAL-AB-226 8-16-12 090



Area # AUX, 5, CAL-AB-226 8-16-12 091
