Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-10

Instructions for Completing Checklist

issue and IR 1404697.

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)?

Light fixture in contact with fire pipe rod hanger. Judged to be acceptable.

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)? Lighting in area ok. See S-hook discussion in 1-7800-18195 for specific

Yes

2 short L-shaped masonry walls (max 7 feet-high) are non-planar with a running-bond corner. Masonry walls are safety related. Judged to be acceptable.

Yes

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

Threaded fire piping, room heater, and associated piping well-supported.

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

Yes

Hydrogen bottles on rack well-supported.

Correspondence No.: RS-12-169 Sheet 2 of 5

Status:	Y	N	U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-10

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)? Cabinet near robust duct judged to be acceptable.

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? R3 and R4 cable risers at south wall have missing cover screws (maximum of 3 missing on R4). Judged to be acceptable.

Yes

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/22/2012

Evaluated by:

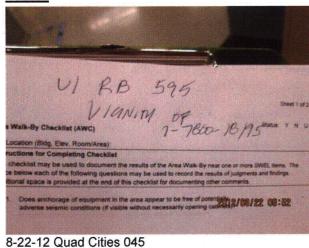
Saddlet David Carter

Date: 10/4/2012

James Griffith

10/4/2012

Photos





8-22-12 Quad Cities 046

Sheet 3 of 5

Status: Y N U

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 047



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8-22-12 Quad Cities 049



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8-22-12 Quad Cities 051



8-22-12 Quad Cities 052

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 053



8-22-12 Quad Cities 054

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 055

Area Walk-By Checklist (AWC)

Lo	cation (Bldg, Elev, Room/Area): AWC-U1-11	
	ctions for Completing Checklist	
This ch	necklist may be used to document the results of the Area Walk-By near one or more SWEL below each of the following questions may be used to record the results of judgments and fonal 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? Minor corrosion on some anchors in room, judged to be acceptable.	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)? Overhead light fixtures judged to be acceptable.	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

Sheet 2 of 5

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-11

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)? Ladders leaning against wall. No soft targets in vicinity. Scaffold acts as shield. Judged to be acceptable.

Yes

2 carts and toolbox are at adequate standoff distances.

Scaffolds in room well-restrained and at adequate stand-off distances.

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

Seismic Walkdown Team: D. Carter & J. Griffith - 8/23/2012

Evaluated by:

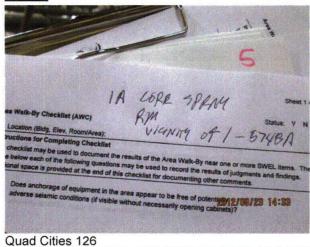
What David Carter

Date: 10/4/2012

James Griffith

10/4/2012

Photos





Quad Cities 127

Sheet 3 of 5

Status: Y N U

Area Walk-By Checklist (AWC)



Quad Cities 128



Quad Cities 130



Quad Cities 129



Quad Cities 131

Area Walk-By Checklist (AWC)



Quad Cities 132



Quad Cities 134



Quad Cities 133



Quad Cities 135

Quad Cities Generating Station Unit 1 12Q0108.40-R-001 Rev. 3 Correspondence No.: RS-12-169

Sheet 5 of 5

Status: Y N U

Area Walk-By Checklist (AWC)



Quad Cities 136

Area Walk-By Checklist (AWC)

Loc	eation (Bldg, Elev, Room/Area): AWC-U1-12	
	tions for Completing Checklist	
space b	ecklist may be used to document the results of the Area Walk-By near one or more SWEL items. To below each of the following questions may be used to record the results of judgments and findings. In all space is provided at the end of this checklist for documenting other comments.	he
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? 1 of 4 anchors (bottom right) missing on massive wall mounted support for 3/4-inch line. Judged to be acceptable.	Yes
	2 anchors with missing nuts for base plate undergoing bearing from pipe only. Judged to be acceptable.	
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
	interactions with other equipment in the area (e.g., ceiling tiles and lighting)?	•
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)? Cart properly stored away from equipment.	Yes

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-12

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Insulation off of pipe elbow for pump nearest to rack 2201-59A. General debris in area (tie-wraps, etc.). Not seismic concerns. See IR 1405922.

Yes

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/23/2012

Evaluated by:

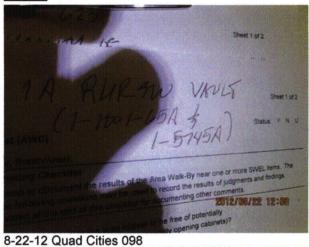
Salvet David Carter

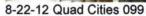
Date: 10/16/2012

James Griffith

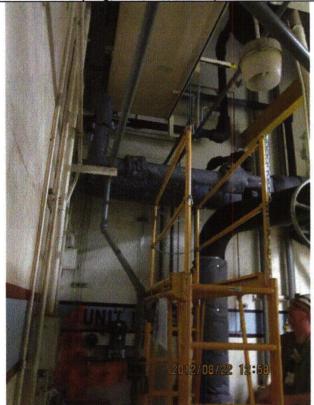
10/16/2012

Photos





Area Walk-By Checklist (AWC)



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8-22-12 Quad Cities 101



8-22-12 Quad Cities 103

Sheet 4 of 17

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-12





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Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 106

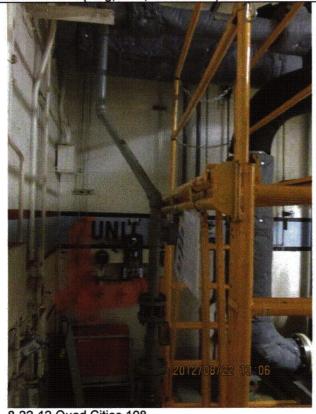


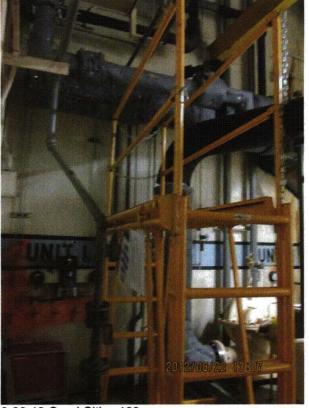
8-22-12 Quad Cities 107

Sheet 6 of 17

Status: Y N U

Area Walk-By Checklist (AWC)

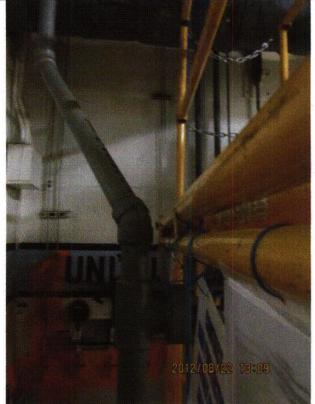




8-22-12 Quad Cities 108

8-22-12 Quad Cities 109

Area Walk-By Checklist (AWC)



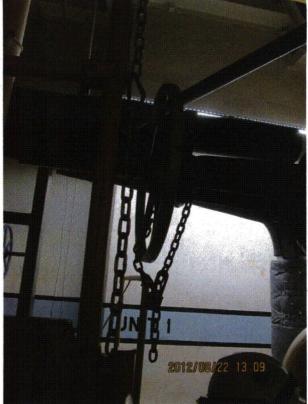


8-22-12 Quad Cities 110

8-22-12 Quad Cities 111

Area Walk-By Checklist (AWC)



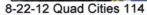


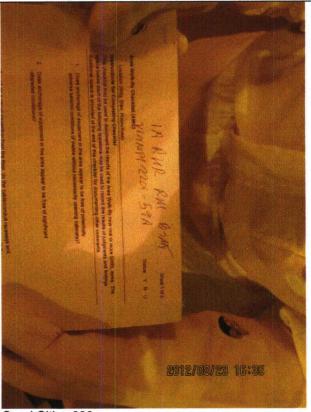
8-22-12 Quad Cities 112

8-22-12 Quad Cities 113

Area Walk-By Checklist (AWC)







Quad Cities 223

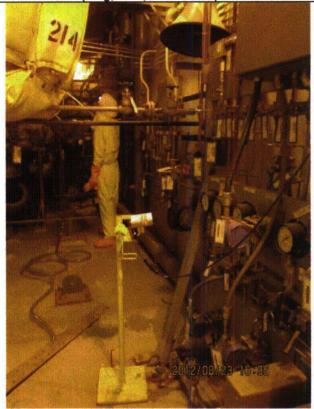
Area Walk-By Checklist (AWC)





Quad Cities 225

Area Walk-By Checklist (AWC)





Quad Cities 227

Quad Cities 228

Area Walk-By Checklist (AWC)

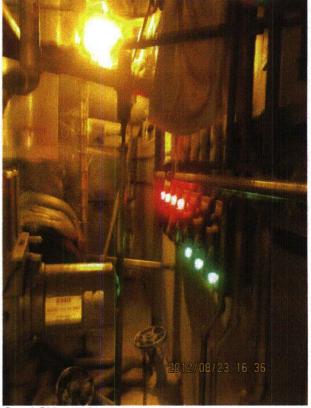




Quad Cities 230

Area Walk-By Checklist (AWC)





Quad Cities 231

Quad Cities 232

Area Walk-By Checklist (AWC)





Quad Cities 235

Sheet 15 of 17

Status: Y N U

Area Walk-By Checklist (AWC)

Quad Cities 238

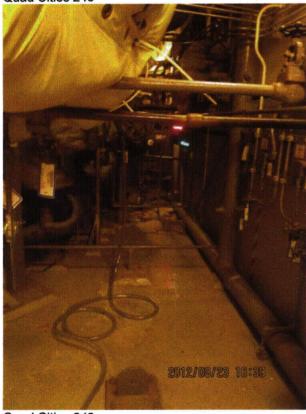
Location (Bldg, Elev, Room/Area): AWC-U1-12 Quad Cities 236 **Quad Cities 237**

Quad Cities 239

Area Walk-By Checklist (AWC)



Quad Cities 240



Quad Cities 242



Quad Cities 241



Quad Cities 243

Sheet 17 of 17

Status: Y N U

Area Walk-By Checklist (AWC)





Quad Cities 244 Quad Cities 245

Area Walk-By Checklist (AWC)		
Loc	cation (Bldg, Elev, Room/Area): AWC-U1-13	
	ctions for Completing Checklist	
space I	necklist may be used to document the results of the Area Walk-By near one or more SWEL items. below each of the following questions may be used to record the results of judgments and findings nal 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? A support for one 2-inch conduit and one 3-inch conduit is not anchored to the floor. Support is located the in middle of 20-foot span between anchored supports. The support is resisting vertical downward loads only. Refer to IR 1403393.	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)? Overhead light fixtures judged to be acceptable. Limited clearance between conduits and tray hangers judged to be acceptable.	Yes
5.	Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Fire protection is well supported. Judged to be acceptable.	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)? Storage issue corrected during walkdown, See IR 1405922.	Yes

Sheet 2 of 7

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-13

Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Masonry wall approximately 10' high. U-Shaped with running bond construction. Located at U1/U2 boundary near panel 2201-89A. Judged to be acceptable.

Yes

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/20/2012

Evaluated by:

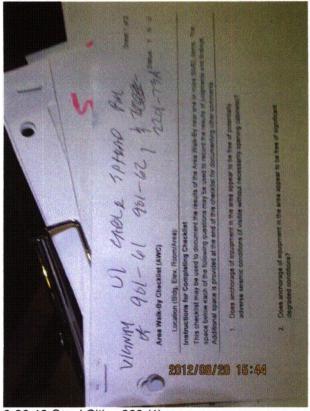
What David Carter

Date: 10/4/2012

James Griffith

10/4/2012

Photos





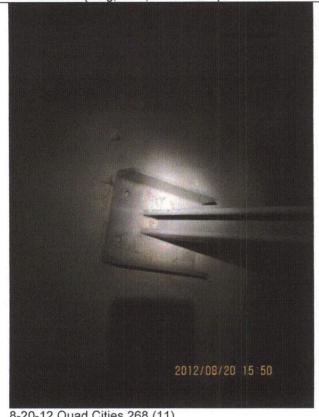
8-20-12 Quad Cities 268 (10)

8-20-12 Quad Cities 268 (1)

Sheet 3 of 7

Status: Y N U

Area Walk-By Checklist (AWC)





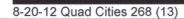
8-20-12 Quad Cities 268 (11)

8-20-12 Quad Cities 268 (12)

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-13

2012/08/20 15:51





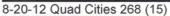
8-20-12 Quad Cities 268 (14)

Area Walk-By Checklist (AWC)

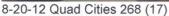




8-20-12 Quad Cities 268 (16)









8-20-12 Quad Cities 268 (2)

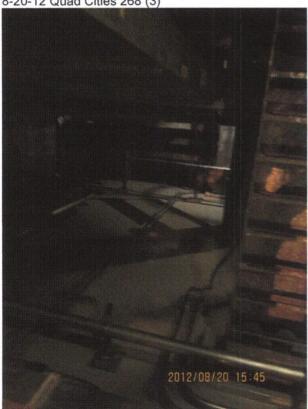
Area Walk-By Checklist (AWC)



8-20-12 Quad Cities 268 (3)



8-20-12 Quad Cities 268 (4)



8-20-12 Quad Cities 268 (5)



8-20-12 Quad Cities 268 (6)

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-13





8-20-12 Quad Cities 268 (8)



2012/08/20 15 46

8-20-12 Quad Cities 268 (9)

8-20-12 Quad Cities 268 (7)

Status:	Y	N	U
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Area Walk-By Checklist (AWC)

10	ocation (Bldg, Elev, Room/Area): AWC-U1-14	
	ctions for Completing Checklist	
This cl space	hecklist may be used to document the results of the Area Walk-By near one or more SWEL below each of the following questions may be used to record the results of judgments and onal 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)? Some missing screws on cable tray riser covers judged to be acceptable.	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)? Overhead light fixtures judged to be acceptable. Nearby targets robust and	Yes
5.	judged to be acceptable. Masonry wall in vicinity safety-related.	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)? Bottles chained to blockwall: chains located too high on bottles, could slip off. See IR 1403593.	Yes
	Eyewash station near robust pipes judged to be acceptable.	

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-14

Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Spalling in concrete beam in ceiling above Penetration X43, 8801A, B & C, and 8802A, B & C valves. Previously identified and evaluated in correction action program. Included in station structures monitoring program. See IR 1404147.

Yes

AO-1-8802A, B, and C solenoid valve air lines touch pipe insulation similar to 8801A, B, and C. Valves fail closed. Therefore, interaction is acceptable. See IR 1403596.

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/22/2012

Evaluated by:

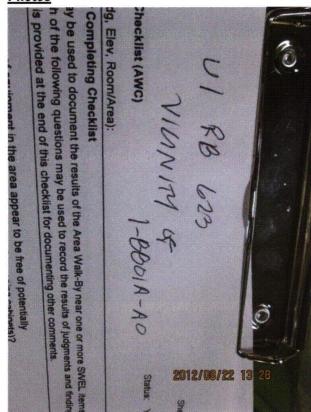
Salllat David Carter

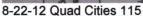
Date: 10/4/2012

James Griffith

10/4/2012

Photos







8-22-12 Quad Cities 116

Sheet 3 of 12

Status: Y N U

Area Walk-By Checklist (AWC)



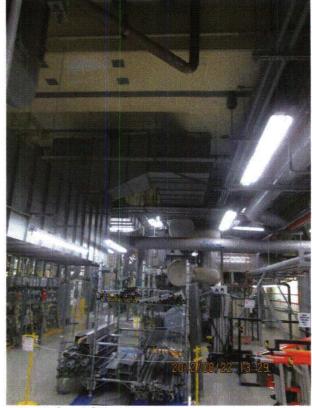
8-22-12 Quad Cities 117



8-22-12 Quad Cities 119



8-22-12 Quad Cities 118



8-22-12 Quad Cities 120

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 121



8-22-12 Quad Cities 123



8-22-12 Quad Cities 122



8-22-12 Quad Cities 124

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 125



8-22-12 Quad Cities 126



8-22-12 Quad Cities 127



8-22-12 Quad Cities 128

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 129

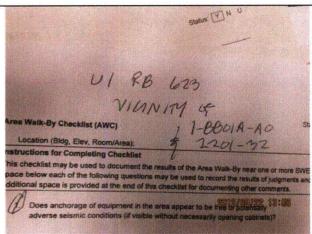


8-22-12 Quad Cities 130

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-14





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Sheet 8 of 12

Status: Y N U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-14





8-22-12 Quad Cities 149

8-22-12 Quad Cities 148

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 151



8-22-12 Quad Cities 152

Area Walk-By Checklist (AWC)

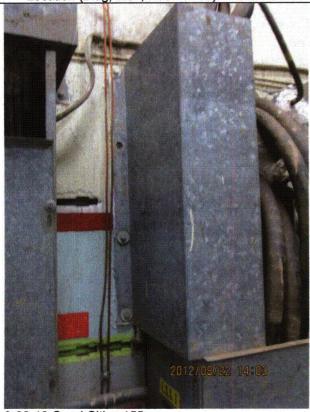


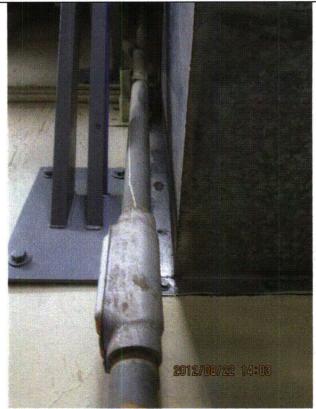
8-22-12 Quad Cities 153



8-22-12 Quad Cities 154

Area Walk-By Checklist (AWC)





8-22-12 Quad Cities 155

8-22-12 Quad Cities 156

Area Walk-By Checklist (AWC)



8-22-12 Quad Cities 157

Area Walk-By Checklist (AWC)		
Loc	cation (Bldg, Elev, Room/Area): AWC-U1-15	
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.		
2.	Does anchorage of equipment in the area appear to be free of significant degraded conditions? Unistrut support for small line missing 1 anchor. Judged to be acceptable.	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)? Valve 1402-38B handwheel near support steel. Support steel for large-bore pipe with directly adjacent branch line for 38B valve. Seismic movement acts together. Judged to be acceptable.	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)? General debris in area. No seismic concerns.	Yes

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U1-15

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

Emergency light 42E missing 1 of 2 seismic hold-downs. Judged to be acceptable.

Yes

See IR 1405892.

General spalled/incorrectly formed concrete near north entry ladder. No obviously loose pieces. No indication of water damage. Judged to be acceptable.

Comments

Seismic Walkdown Team: D. Carter & J. Griffith - 8/24/2012

Evaluated by:

Saddlat David Carter

Date: 10/16/2012

Ama D ANGTAN

James Griffith

10/16/2012

Photos

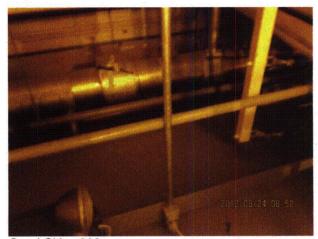




Quad Cities 008

Area Walk-By Checklist (AWC)

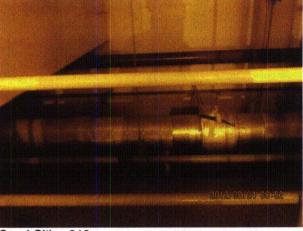
Location (Bldg, Elev, Room/Area): AWC-U1-15 Quad Cities 007



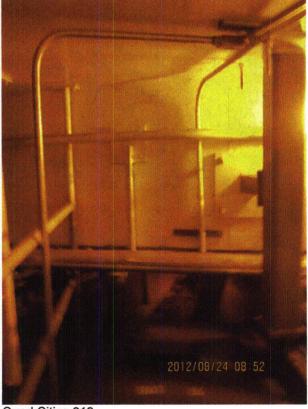
Quad Cities 009



Quad Cities 011



Quad Cities 010

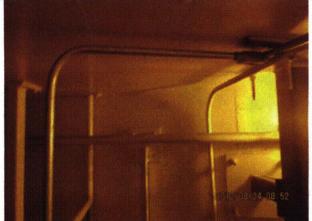


Quad Cities 012

Sheet 4 of 16

Status: Y N U

Area Walk-By Checklist (AWC)



Quad Cities 013



Quad Cities 015



Quad Cities 014



Quad Cities 016

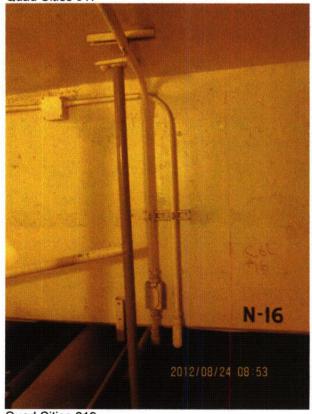
Area Walk-By Checklist (AWC)



Quad Cities 017



Quad Cities 018



Quad Cities 019



Quad Cities 020

Area Walk-By Checklist (AWC)



Quad Cities 021



Quad Cities 023

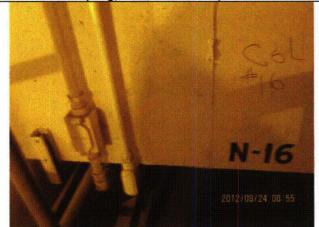


Quad Cities 022

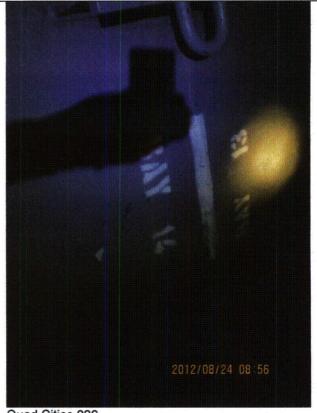


Quad Cities 024

Area Walk-By Checklist (AWC)



Quad Cities 025







Quad Cities 027



Quad Cities 028

Area Walk-By Checklist (AWC)



Quad Cities 029



Quad Cities 031

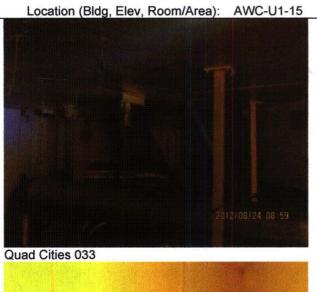


Quad Cities 030



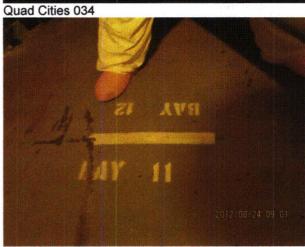
Quad Cities 032

Area Walk-By Checklist (AWC)

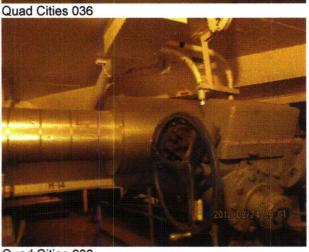












Area Walk-By Checklist (AWC)



Quad Cities 039



Quad Cities 040



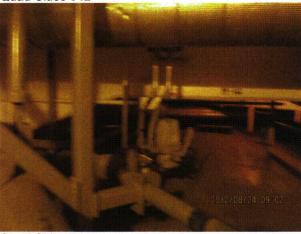
Quad Cities 041



Quad Cities 042



Quad Cities 043

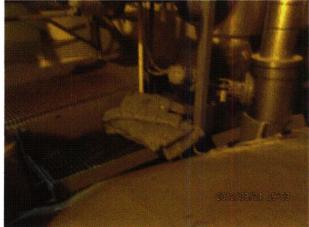


Quad Cities 044

Area Walk-By Checklist (AWC)



Quad Cities 045



Quad Cities 047

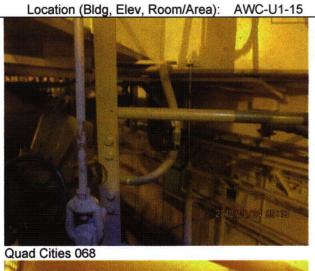


Quad Cities 046



Quad Cities 053

Area Walk-By Checklist (AWC)





Quad Cities 070



Quad Cities 072



Quad Cities 069



Quad Cities 071



Quad Cities 080

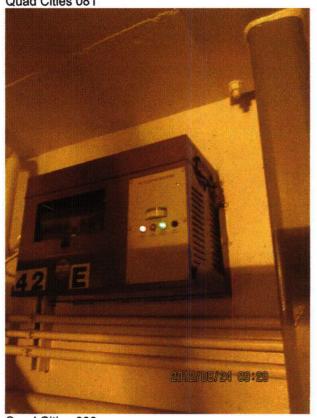
Area Walk-By Checklist (AWC)



Quad Cities 081



Quad Cities 082



Quad Cities 083



Quad Cities 084

Area Walk-By Checklist (AWC)



Quad Cities 085



Quad Cities 086



Quad Cities 087



Quad Cities 088



Quad Cities 089



Quad Cities 090

Area Walk-By Checklist (AWC)



Quad Cities 091



Quad Cities 092



Quad Cities 093



Quad Cities 094



Quad Cities 095



Quad Cities 096

Area Walk-By Checklist (AWC)



Quad Cities 097



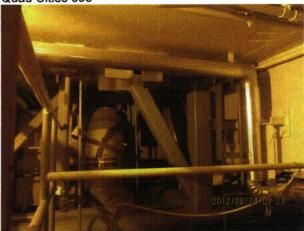
Quad Cities 099



Quad Cities 101



Quad Cities 098



Quad Cities 100