

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-20

**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 appears 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?  
*Unit heater and associated piping well-supported and 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)? Yes

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-20

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: J. Griffith & M. Wodarczyk - 8/2/2012

Evaluated by: James D. Griffith James Griffith

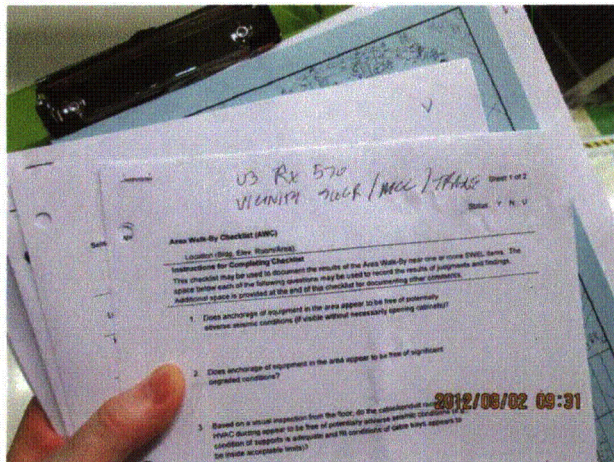
Date: 9/30/2012

Michael J. Wodarczyk

Michael Wodarczyk

9/30/2012

**Photos**



20120802-Dresden-3 086



20120802-Dresden-3 087

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-20



20120802-Dresden-3 088



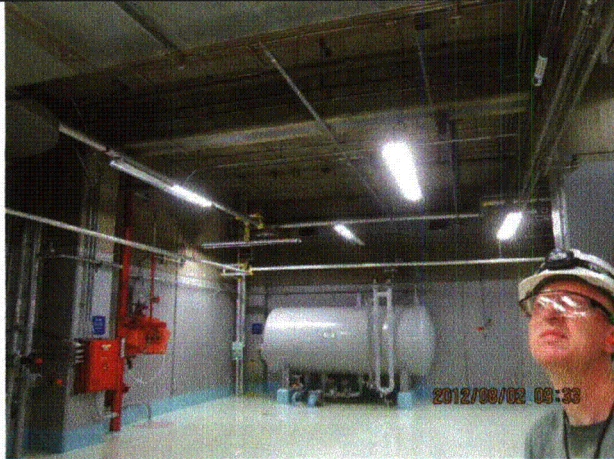
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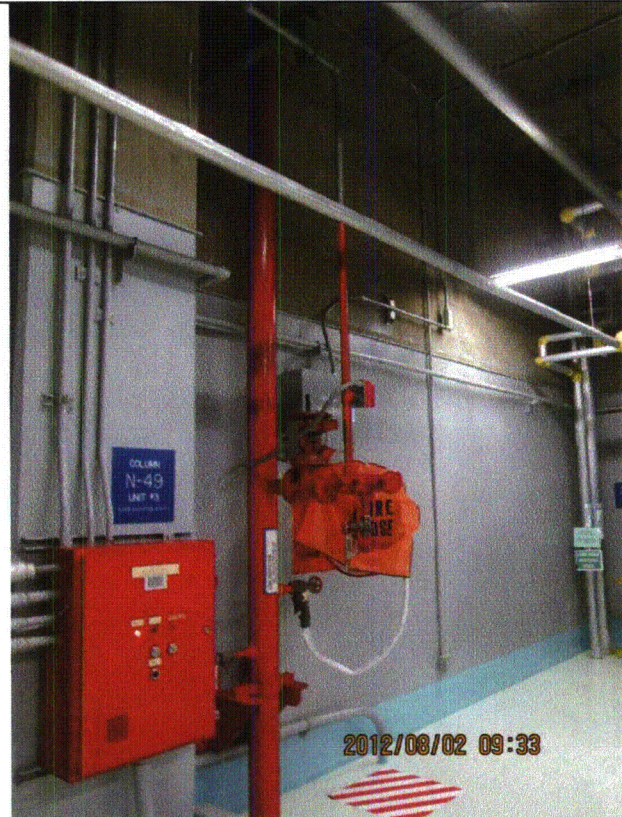
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**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-20



20120802-Dresden-3 090



20120802-Dresden-3 091



20120802-Dresden-3 092



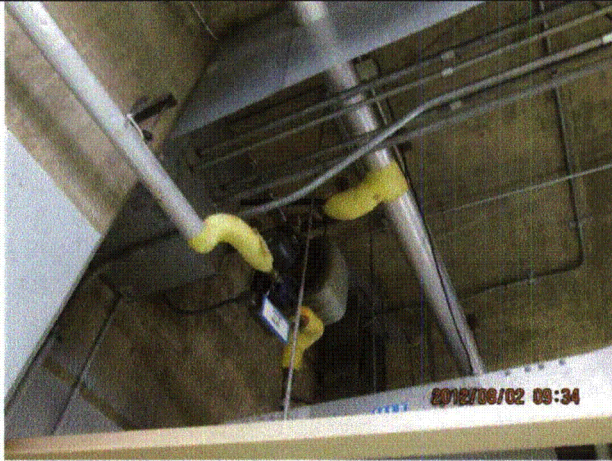
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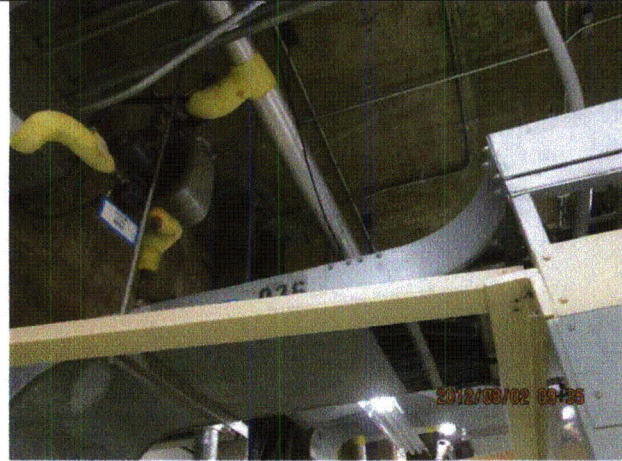
Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-20



20120802-Dresden-3 094



20120802-Dresden-3 095

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-21

#### 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



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-21

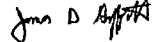
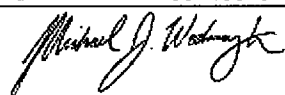
- 
- |   |     |
|---|-----|
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |
|---|-----|
- 

**Comments**

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/2/2012

For photographs, see SWC for D03-1601-0024-V05.

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Evaluated by:	<div style="display: flex; align-items: center;"><div style="text-align: center; width: 100px;"> James Griffith</div><div style="width: 50px;"></div></div>	Date:	<div style="display: flex; align-items: center;"><div style="text-align: center; width: 100px;"> Michael Wodarczyk</div><div style="width: 50px;"></div></div>
			10/24/2012

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**Photos**

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Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-22

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#### 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.

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- |  |     |
|--|-----|
| 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 appears to be inside acceptable limits)?<br><i>Hanger rods in contact with pipes and conduits judged to be acceptable due to hanger rod, pipe, and conduit flexibility.</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)?<br><i>Overhead light fixtures judged to be acceptable.</i>  | 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?<br><i>Minor quantity of oil drip rags judged to be acceptable.</i>  | 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 |
-



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-22

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: J. Griffith & M. Wodarczyk - 8/2/2012

Evaluated by: James D. Griffith James Griffith

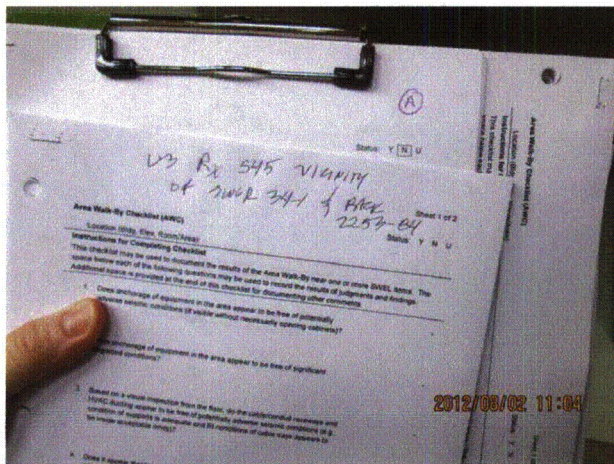
Date: 9/30/2012

Michael J. Wodarczyk

Michael Wodarczyk

9/30/2012

**Photos**



20120802-Dresden-3 161



20120802-Dresden-3 162



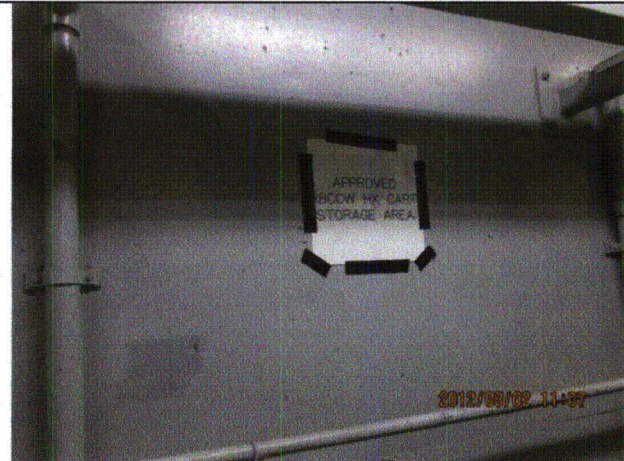
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**Area Walk-By Checklist (AWC)**

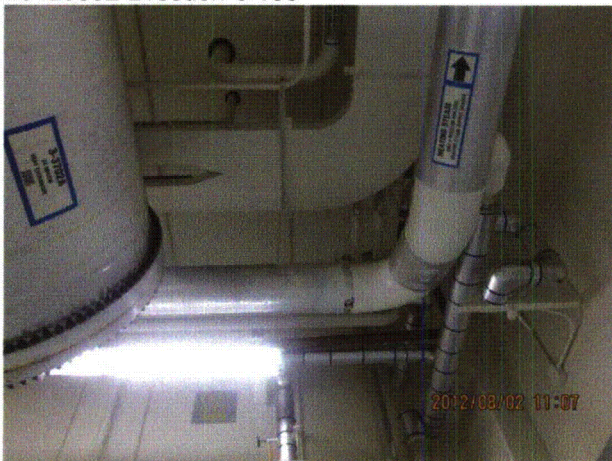
Location (Bldg, Elev, Room/Area): AWC-U3-22



20120802-Dresden-3 163



20120802-Dresden-3 164



20120802-Dresden-3 165



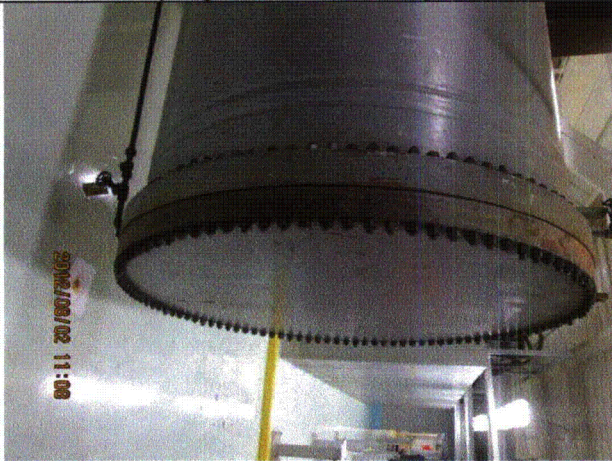
20120802-Dresden-3 166



Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-22



20120802-Dresden-3 167



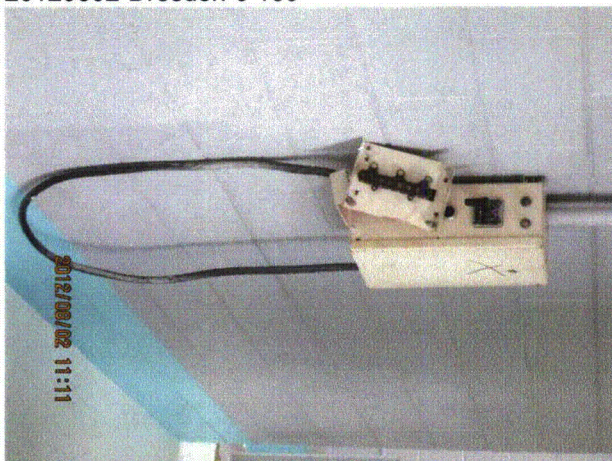
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20120802-Dresden-3 169



20120802-Dresden-3 170



20120802-Dresden-3 171



20120802-Dresden-3 172



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-22



20120802-Dresden-3 173



20120802-Dresden-3 174



20120802-Dresden-3 175



20120802-Dresden-3 176



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-22



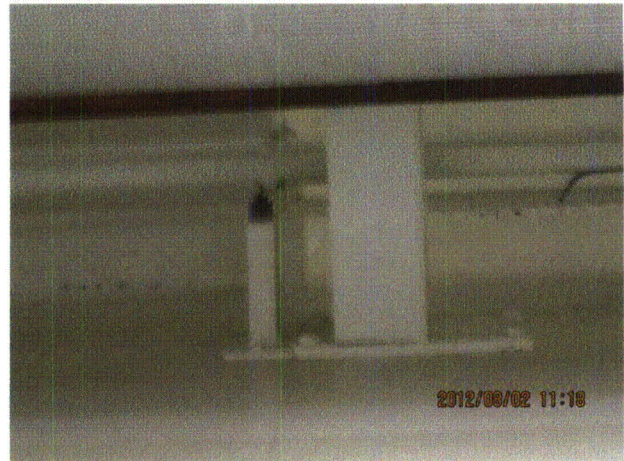
20120802-Dresden-3 177



20120802-Dresden-3 178



20120802-Dresden-3 179



20120802-Dresden-3 180

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-23

#### 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  
*The gallery at the north end of the RBCCW heat exchangers is not anchored at its legs to the floor. Its ladder is anchored to the floor and there is adequate clearance between the gallery and adjacent equipment. The gallery is judged to be acceptable.*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes  
*Minor lack of thread engagement judged to be acceptable.*

IR 1396558:

#### CONDUIT SUPPORT ANOMALY

*During Fukushima seismic walkdowns the NRC resident identified an electrical conduit support outside the designated walk-by boundary that had one of two wall-mounted brackets not flush with the wall. The support is U-shaped. Three conduits are attached to this support (estimated to be two (2) @ 1" & one (1) @ 1" diameter). The location of the subject support is between L-50 and K-50 approximately 15'-0" above floor elevation 545'-0". The subject support is also above valve 3-3917-B-501.*

*The bracket that is not flush is not a concern because the other end of the support is judged capable of carrying the whole load as a hanger. The bracket that is not flush would be in compression so flush mount is not an issue. In addition, there are multiple additional properly installed conduit supports in the run that are immediately adjacent to the subject support. The system is adequately supported with no adverse effects based upon inspection and engineering judgment.*

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 appears to be inside acceptable limits)? Yes  
*Minor bends in hanger rods judged to be 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



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23

- |    |   |     |
|----|---|-----|
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?<br><i>Threaded fire pipe, unit heater, and associated piping are all well-supported and judged to be acceptable.</i> | 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 |
| 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: J. Griffith & M. Wodarczyk - 8/2/2012

Evaluated by: James D. Griffith James Griffith Date: 9/30/2012



Michael Wodarczyk

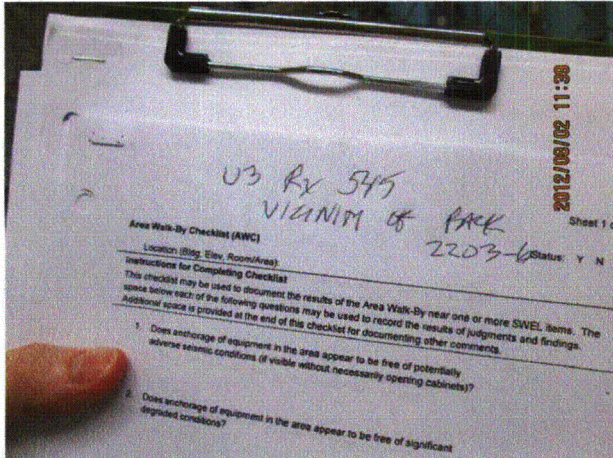
9/30/2012

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-23

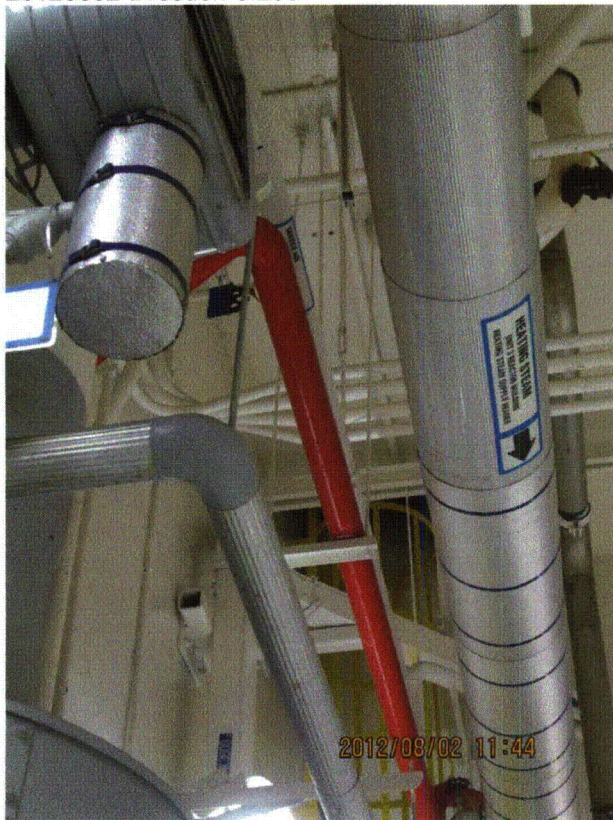
#### Photos



20120802-Dresden-3 203



20120802-Dresden-3 204



20120802-Dresden-3 205



20120802-Dresden-3 206



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23



20120802-Dresden-3 207



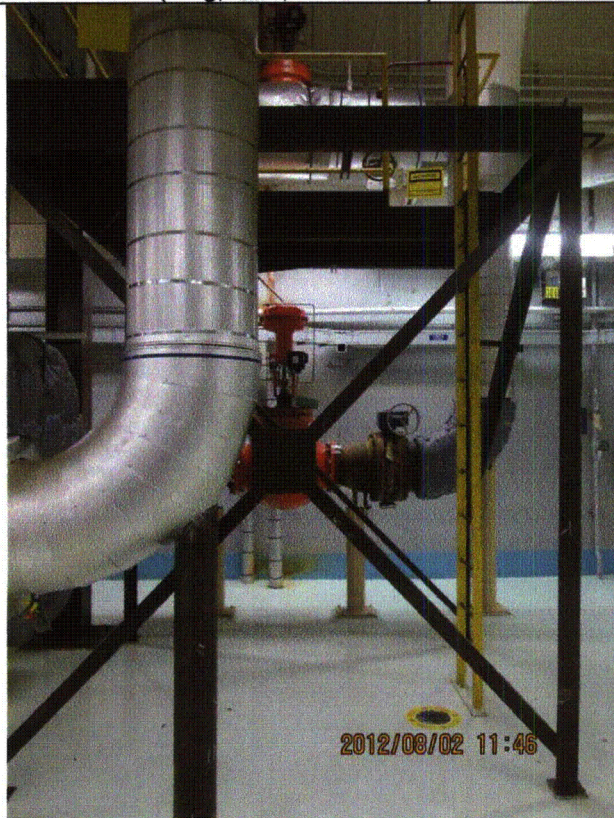
20120802-Dresden-3 208



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23



20120802-Dresden-3 209



20120802-Dresden-3 210



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23



20120802-Dresden-3 211



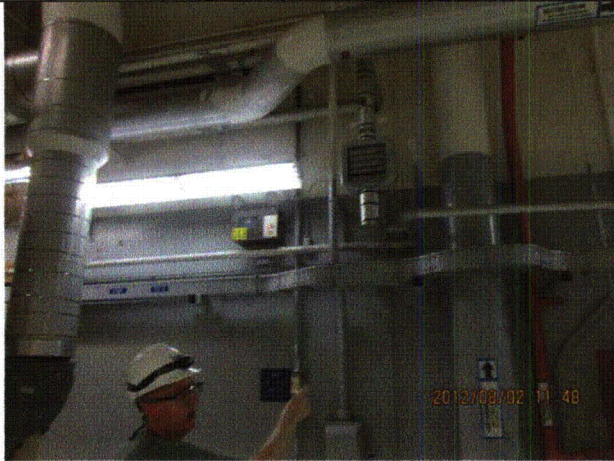
20120802-Dresden-3 212



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23



20120802-Dresden-3 213



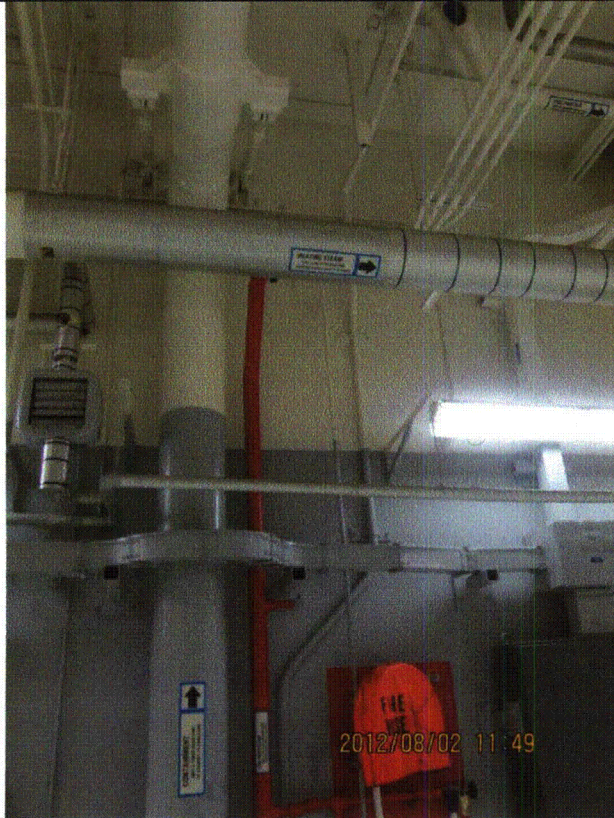
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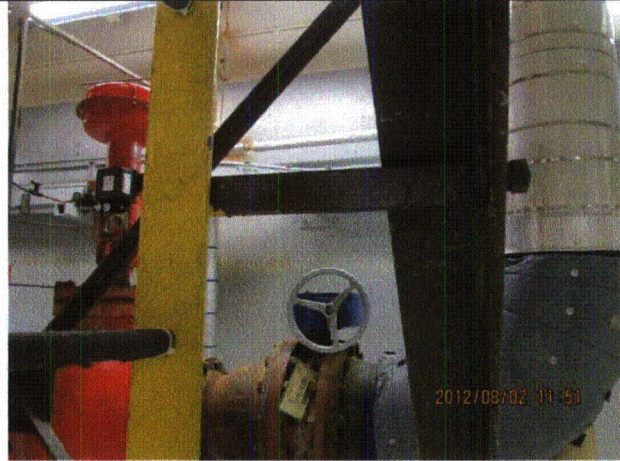
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**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-23



20120802-Dresden-3 215



20120802-Dresden-3 216

Status: ☒ Y ☐ N ☐ U

## Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-24

### 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  
IR 1396568:

#### SFP PIPE SUPPORT MISSING ANCHOR BOLTS

*During Fukushima seismic walkdowns the NRC resident identified a 3-inch diameter pipe run with two knee-brace type wall mounted bracket supports that were missing one anchor bolt each. The 3-inch pipe has Spent Fuel Pool (SFP) drain valve 3-1901-8 in the line. Each support is intended to have two anchor bolts and only the bottom bolt in each support was installed. The location of the subject supports is on the north wall above elevation 570 on the high dose side of the SFP fence in a High Radiation Locked boundary. The 3-inch diameter pipe is 3-1913-3-L per P&ID drawing M-362.*

*According to the P&ID drawing, the subject pipe drains the SPF on the dry side of the gate and is currently isolated. This was confirmed by the shift manager and unit supervisor. Therefore, the deficiency does not affect the safety related/seismic function of the equipment.*

IR 1396571:

#### CONDUIT SUPPORT MISSING ANCHOR BOLT

*During Fukushima seismic walkdowns the NRC resident identified a 2.5" diameter conduit run with a ceiling mounted bracket support that was missing one anchor bolt. The location of the subject support is in the ceiling above elevation 570' on the high dose side of the SFP fence in a High Radiation Locked boundary. The conduit and subject support are above valve 3-1601-23.*

*The conduit run is vertical from an existing junction box that is supported from the floor by a stanchion underneath. The majority of this vertical conduit run is carried by the floor support. The ceiling support with a missing anchor bolt is immediately after a 90 degree bend where it turns horizontal below the ceiling. A second ceiling support is located approximately 4' from the support with a missing anchor bolt. This second ceiling support is properly installed with both anchors intact.*

*According to Table 1.2 in specification K-4081 the maximum acceptable*



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-24

*horizontal span between supports is 9'-0". The vertical run is well supported and acts as an end support for the beginning of the horizontal run. The properly installed ceiling hanger may be considered the next support on the horizontal run without regard to the improperly installed support. Since the horizontal span between the vertical conduit run and properly installed support is less than 9'-0", The missing anchor deficiency does not affect the safety related function of the equipment.*

- |    |   |     |
|----|---|-----|
| 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 |
| 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 |

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**Comments**

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/2/2012

For photographs, see SWC for D03-1601-0023-V05.

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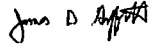
Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-24

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Evaluated by:



James Griffith

Date: 10/24/2012



Michael Wodarczyk

10/24/2012

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**Photos**

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Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-25

**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 appears 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?  
*Drain line well supported and 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)? Yes

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-25

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

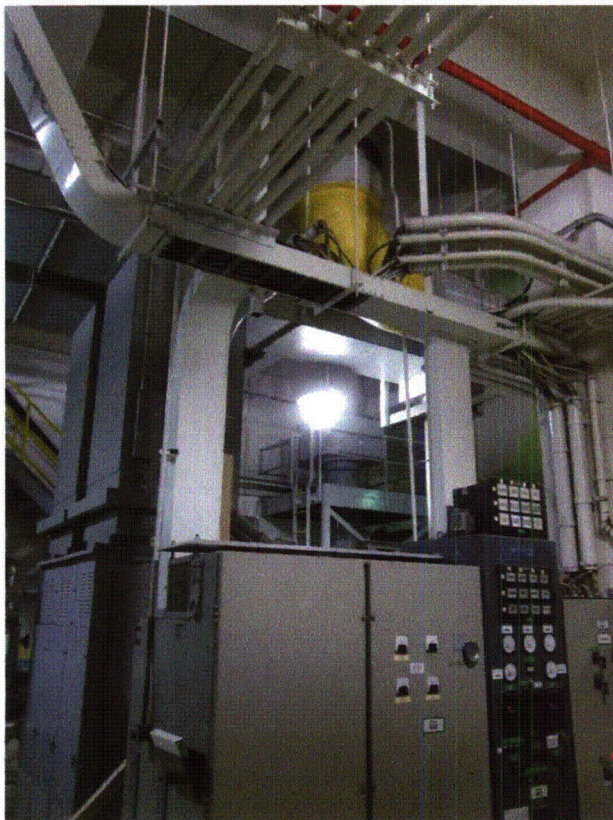
**Comments**

Seismic Walkdown Team: D. Carter & J. Griffith - 7/17/2012  
AWC 14

Evaluated by: David Carter Date: 9/30/2012

James Griffith 9/30/2012

**Photos**



IMG\_0246



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-26

**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  
*Minor corrosion judged to be acceptable. Minor coating failure on pump support pedestals 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  
*Robust valve bodies located near gallery judged to be 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  
*Welded piping judged to be acceptable.*
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-26

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
- Ladder storage bracket on wall lacks a lock on its chain. Ladder moved into acceptable position on floor.*

IR 1396906:

*The Fukushima Seismic walkdown team inspected the U3 SDC Pump Room as part of the scope for area walk by inspections to satisfy the NRC request for information. There is a ladder rack on the wall directly across from the doorway to the room. The chain intended to restrain the ladder on the rack was placed over the ladder but the chain did not have a latch to secure it. The ladder was repositioned to mitigate this deficiency; therefore, there is no 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

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/3/2012

Evaluated by:

*James D. Griffith*

James Griffith

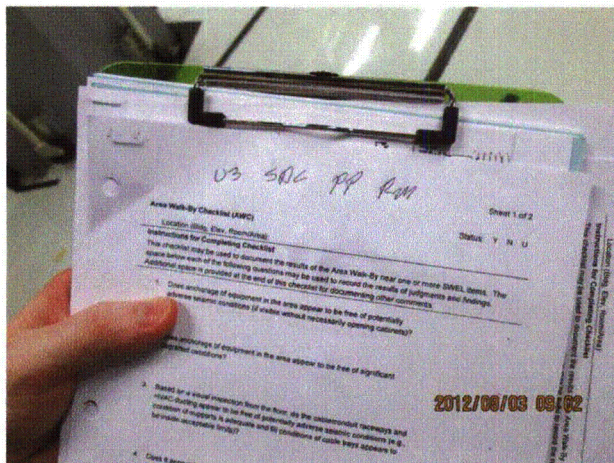
Date: 10/24/2012

*Michael J. Wodarczyk*

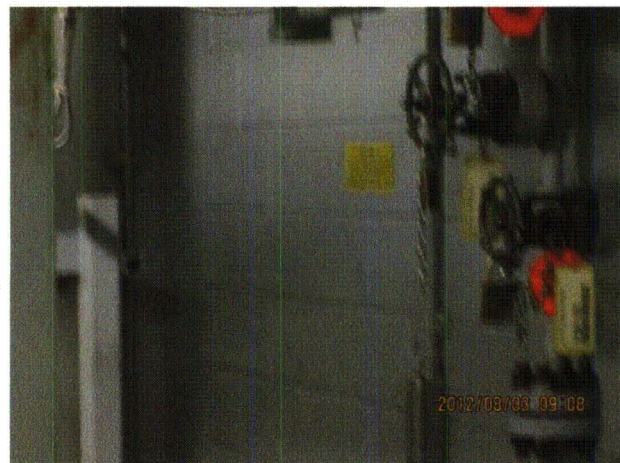
Michael Wodarczyk

10/24/2012

### Photos



20120803-Dresden-3 033



20120803-Dresden-3 035

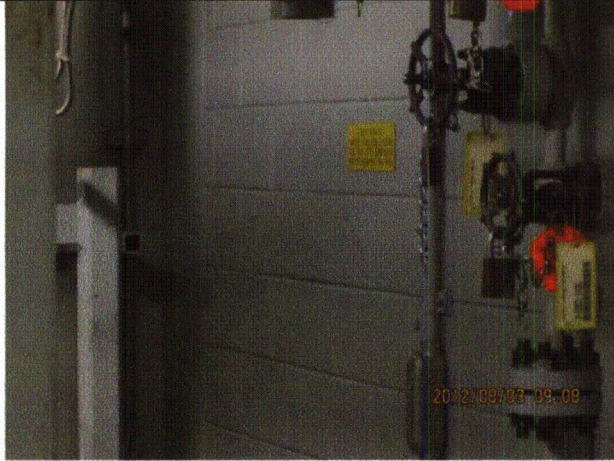


Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-26

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20120803-Dresden-3 036

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Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-27

#### 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  
*Minor surface corrosion, minor coating failures, and minor lack of thread engagement at several anchorages all 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  
*Minor bends in several hanger rods; rods are flexible and judged to be 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  
*Welded pipes judged to be acceptable.*
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



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-27

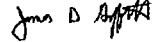
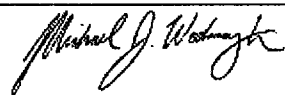
- 
- |   |     |
|---|-----|
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |
|---|-----|
- 

**Comments**

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/3/2012

For photographs, see SWC for D03-0409-A----T05.

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Evaluated by:		James Griffith	Date:	10/24/2012
		Michael Wodarczyk		10/24/2012

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**Photos**

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Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-28

#### 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  
*Minor surface corrosion 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 appears 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  
*Pipes, conduits, and tubes in close proximity at various locations. All are flexible and judged to be 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  
*Welded pipe judged to be acceptable.*
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes  
*Volume of plastic and Radiation Protection bags small and judged to be acceptable.*
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



Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-28

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  
*Minor tubing deformations in area judged to be acceptable.*

### Comments

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/3/2012

Evaluated by: James D. Griffith James Griffith

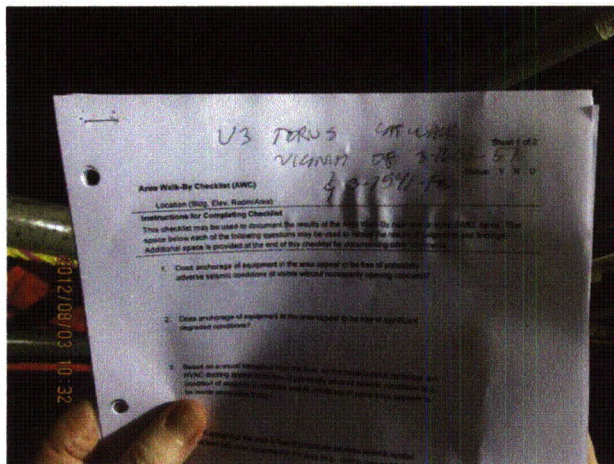
Date: 9/30/2012

Michael J. Wodarczyk

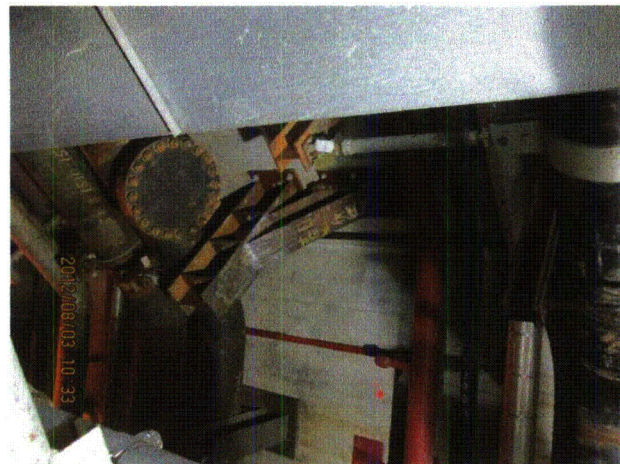
Michael Wodarczyk

9/30/2012

### Photos



20120803-Dresden-3 120



20120803-Dresden-3 121



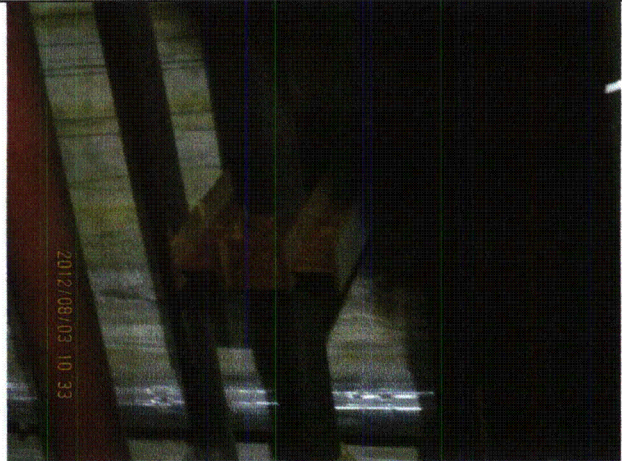
Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

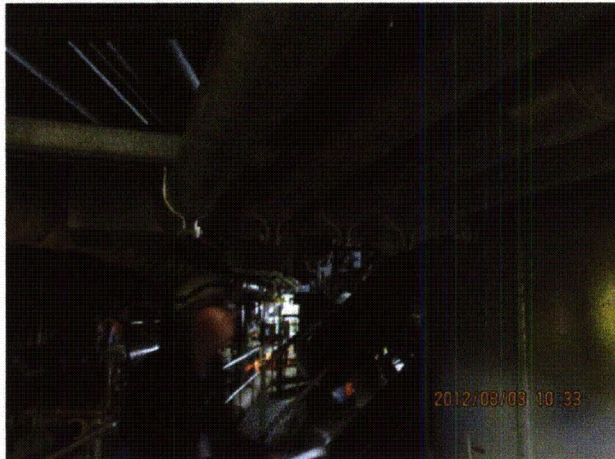
Location (Bldg, Elev, Room/Area): AWC-U3-28



20120803-Dresden-3 122



20120803-Dresden-3 123



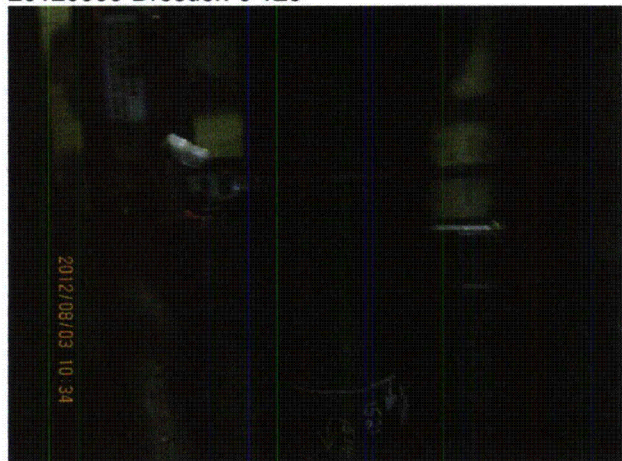
20120803-Dresden-3 124



20120803-Dresden-3 125



20120803-Dresden-3 126



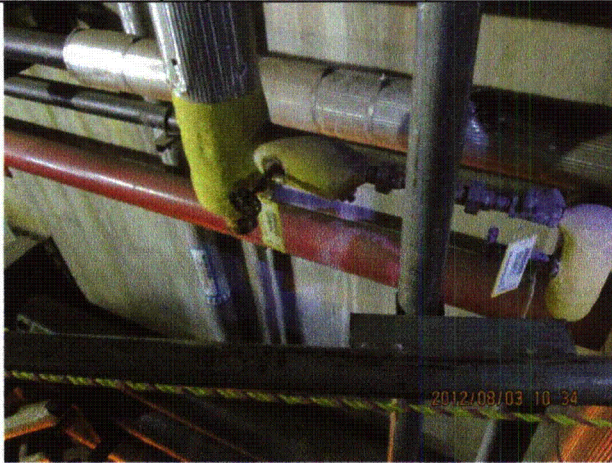
20120803-Dresden-3 127



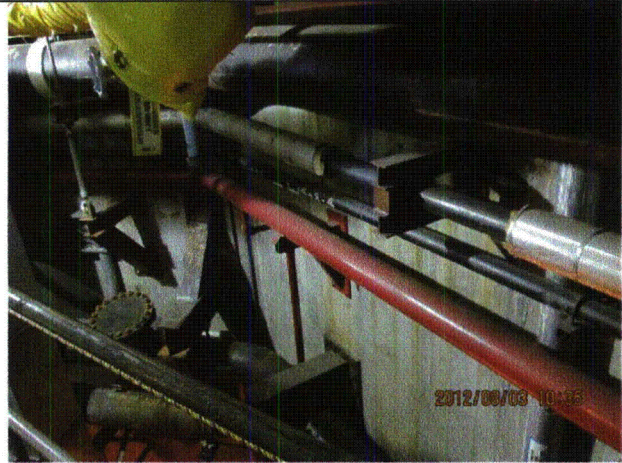
Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

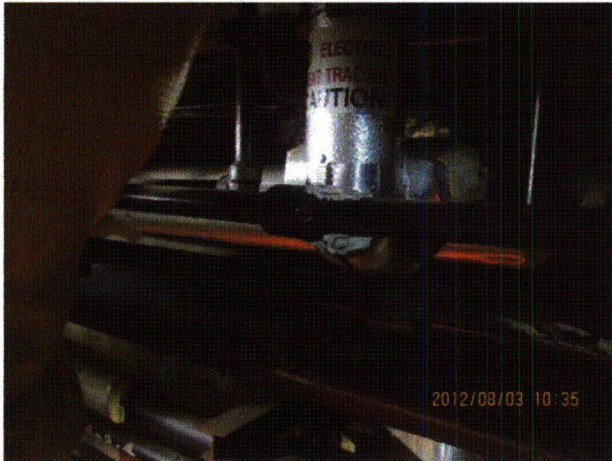
Location (Bldg, Elev, Room/Area): AWC-U3-28



20120803-Dresden-3 128



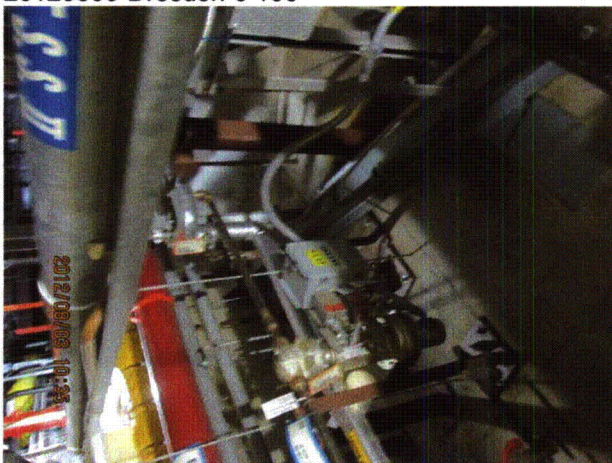
20120803-Dresden-3 129



20120803-Dresden-3 130



20120803-Dresden-3 131



20120803-Dresden-3 132



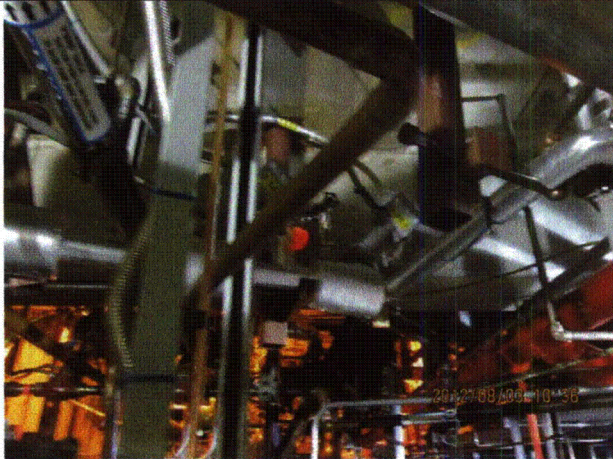
20120803-Dresden-3 133



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-28



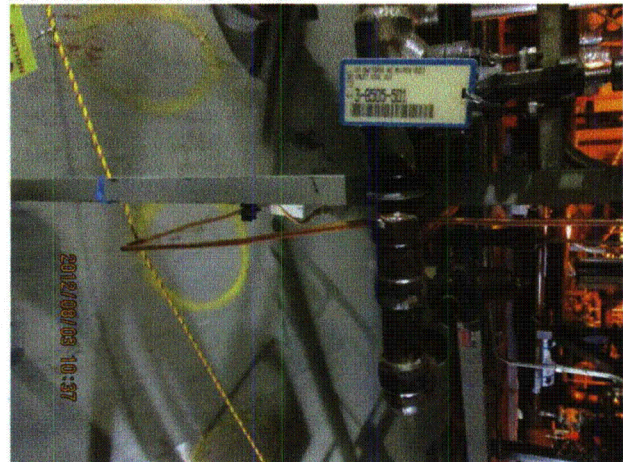
20120803-Dresden-3 134



20120803-Dresden-3 135



20120803-Dresden-3 136



20120803-Dresden-3 137

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-29

#### 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 appears 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  
*Threaded fire pipe well supported. Judged acceptable.*
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  
*Scaffold adequately restrained.*



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-29

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 - 7/17/2012  
AWC 29

Evaluated by: *David Carter* David Carter Date: 9/30/2012

*James D. Griffith* James Griffith 9/30/2012

**Photos**



MG\_0202



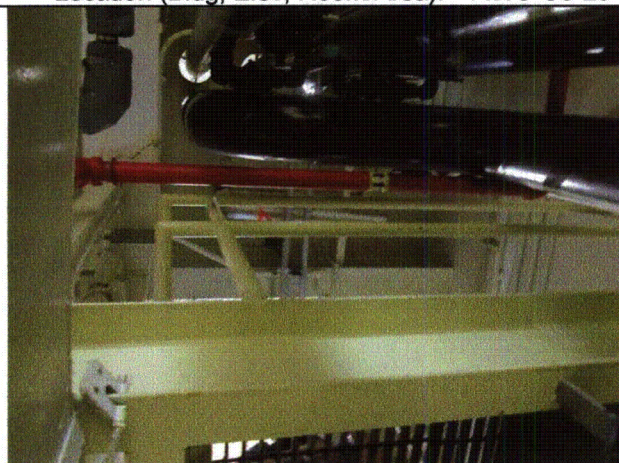
MG\_0203



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

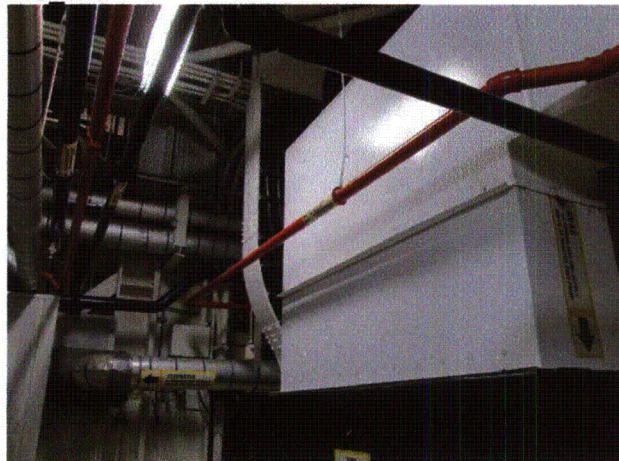
Location (Bldg, Elev, Room/Area): AWC-U3-29



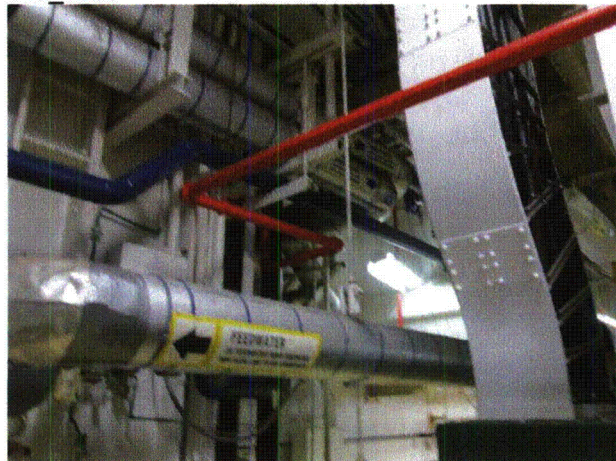
MG\_0204



MG\_0205



MG\_0206



MG\_0207

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-30

#### 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  
*Non-safety-related support near valve 3-1201-124B missing 1 nut from 1 of 4 anchors.*  
*IR 1396565:*  
*ANCHOR PLATE MISSING NUT*  
*During Fukushima seismic walkdowns it was identified that the anchor plate of a floor-mounted piping support near valve 3-1201-124B was missing a nut on one of four anchors. The support is located at the U3 RWCU Demin Valve Gallery. However, the other three anchors had nuts securely torqued so the support is judged to not be a seismic concern. Also, this support is on a non-safety-related system.*
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  
*Welded piping judged to be acceptable.*



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-30

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

*Small amount of wood judged to be acceptable.*

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

*Seismic storage of various items (small ladder, pipe stand, etc.) judged to be acceptable.*

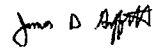
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

**Comments**

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/2/2012

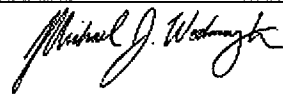
For photographs, see SWC for D03-1601-0063-V05.

Evaluated by:



James Griffith

Date: 10/24/2012



Michael Wodarczyk

10/24/2012

**Photos**

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-31

#### 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  
*Baker scaffold stored in room is adequate. Adequate tip and slide clearance per DAP.*

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-31

- 
- |   |     |
|---|-----|
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?<br><i>Masonry walls all edge-supported and judged acceptable.</i> | Yes |
|---|-----|
- 

**Comments**

Seismic Walkdown Team: D. Carter & J. Griffith - 7/16/2012  
AWC 31

For photographs, see SWCs for D00-5741-0048BV72, D00-9400-0102-R15, and D00-9400-0104BF05.

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Evaluated by:  David Carter Date: 10/24/2012

 James Griffith 10/24/2012

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**Photos**

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Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-32

**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 appears 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?<br><i>Minor bend in fire protection line support judged to be acceptable. Threaded fire pipe well supported and judged to be acceptable.</i><br><br><i>IR 1389712:</i><br><br><i>Bent fire piping hanger that is in the area above the Unit 2 LEFM panel.</i> | 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 |

Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-32

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

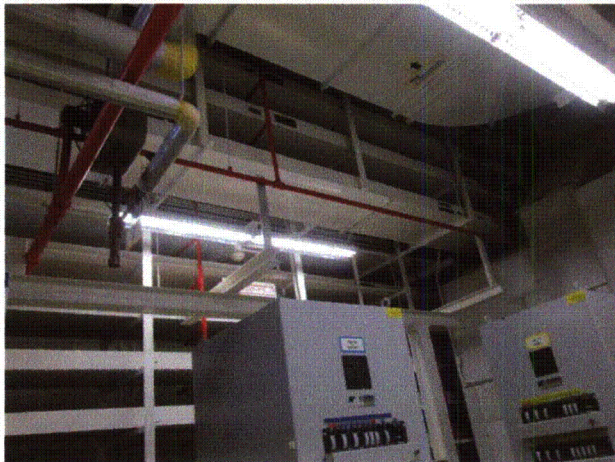
**Comments**

Seismic Walkdown Team: D. Carter & J. Griffith - 7/17/2012  
AWC 32

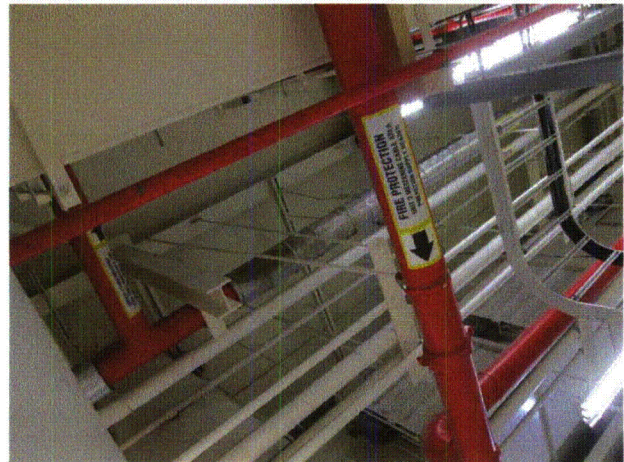
Evaluated by: David Carter Date: 9/30/2012

James D. Griffith James Griffith 9/30/2012

**Photos**



MG\_0188



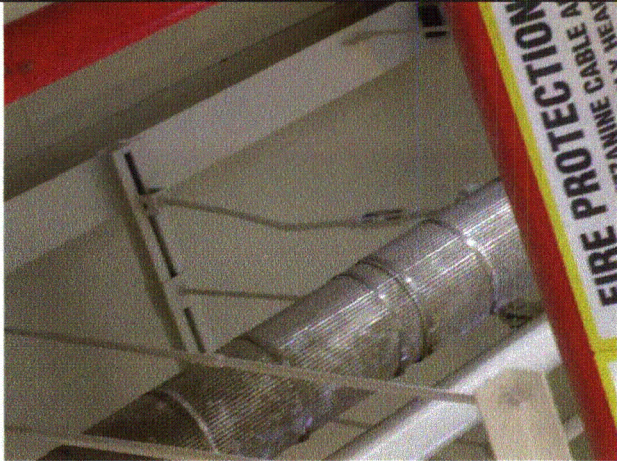
MG\_0189



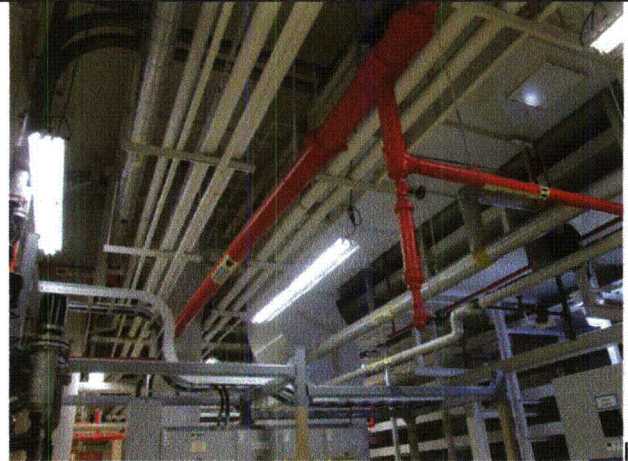
Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-32



MG\_0190



MG\_0191



MG\_0192



MG\_0193



MG\_0194



MG\_0195



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-32



MG\_0196

Status: ☒ Y ☐ N ☐ U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): AWC-U3-33

#### 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  
*Orientation of mirrored insulation temporarily stored on catwalk is adequate to prevent overturning. Sliding of insulation is restrained by kick plate.*



Status: ☒ Y ☐ N ☐ U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): AWC-U3-33

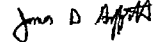
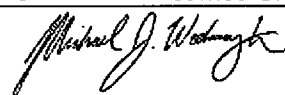
- 
- |   |     |
|---|-----|
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |
|---|-----|
- 

**Comments**

Seismic Walkdown Team: J. Griffith & M. Wodarczyk - 8/3/2012

For photographs, see SWC for D03-1001-0005AV20.

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Evaluated by:	 James Griffith	Date:	10/24/2012
	 Michael Wodarczyk		10/24/2012

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**Photos**

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