Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *SWITCHGEAR ROOM 2F*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *SWITCHGEAR ROOM 2F*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Juan Vizcaya* Date: *09/12/2012*

Patrick Kelly *09/12/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Unit 2 HPCI Room*

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)? Y☒ N☐ U☐ N/A☐

   Mild surface oxidation present on anchors for 2E41-C002-2. Since oxidation is only on the surface, the anchors are not degraded. Therefore, judged to not be a concern.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Unit 2 HPCI Room*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/11/2012*

Jeff Horton *09/11/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Unit 2 HPCI Room*

Photographs

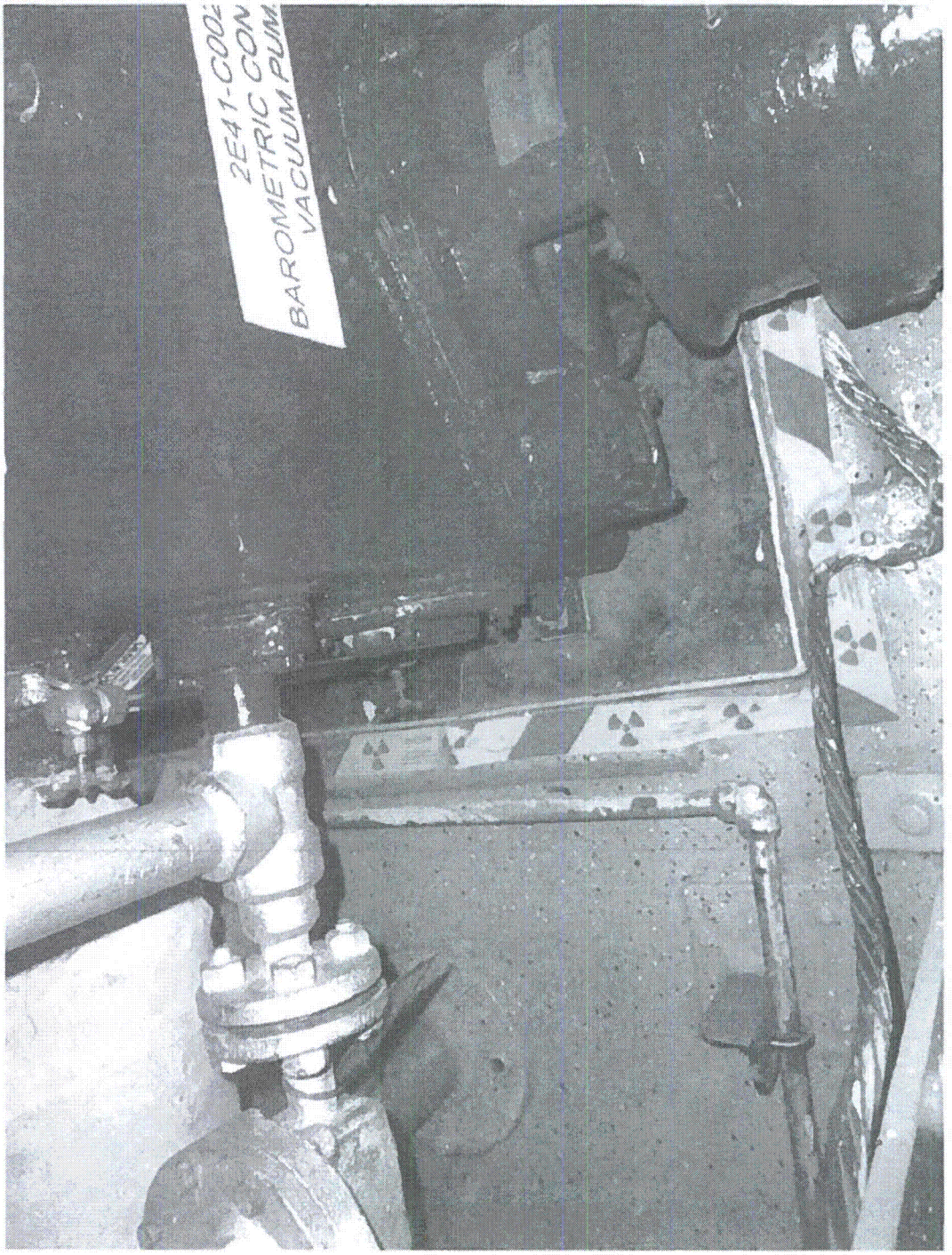


Figure 1 – Surface Oxidation on 2E41-C002-2 Anchors (Unit 2 HPCI Room)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NW Diagonal*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NW Diagonal*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   A loose tag was found near the pump. The tag number is 2E51RCICR40A. CR522945 has been initiated for this purpose.

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

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Kursat Kinali* Kursat Kinali Date: *9/24/2012*

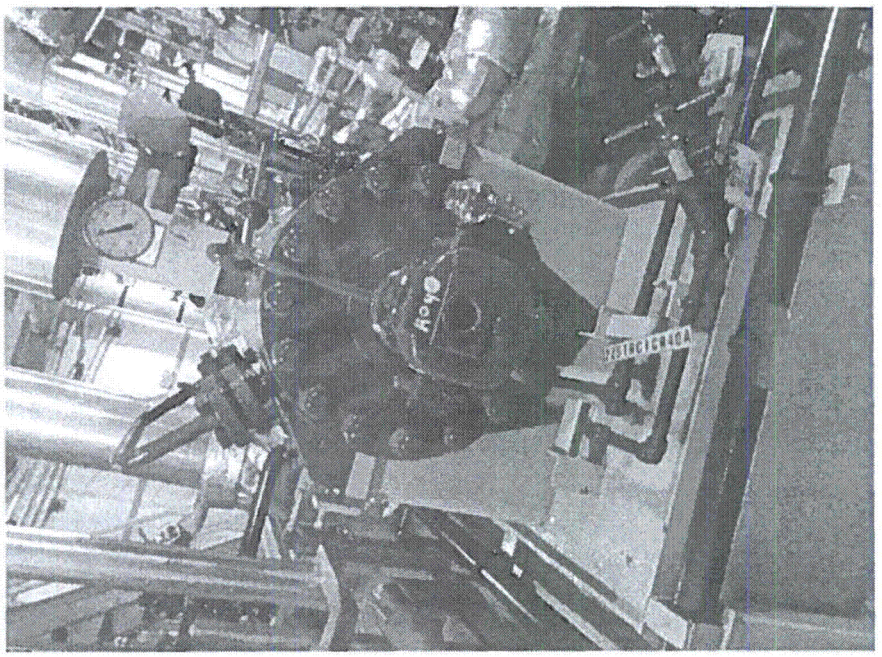
Wesley Williams Wesley A. Williams *9/24/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NW Diagonal*

Photographs



Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *SE Diagonal Unit 2*

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)? Y☒ N☐ U☐ N/A☐

   There is a Unistrut pipe clamp on the west wall missing a bolt. The pipe clamp is spread open, offering no restraint to the supported pipe (CR 515734). There are intact pipe clamps above and below the open clamp, so the unrestrained span of the conduit is small. The existing pipe clamps offer enough support to prevent significant movement during a seismic event.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *SE Diagonal Unit 2*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y☒ N☐ U☐
There is mild surface oxidation on the flange bolts for RHR Pump 2E11-C002D. Since oxidation is only on the surface, the bolts are not degraded. Therefore, judged to not be a concern.

Comments (Additional pages may be added as necessary)

There is an equipment tag lying near Jockey Pump 2E21-C003B that is not attached to anything (CR 515736).

Evaluated by: *John McFarland* Date: *09/11/2012*

Jeff Horton *09/11/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *SE Diagonal Unit 2*

Photographs

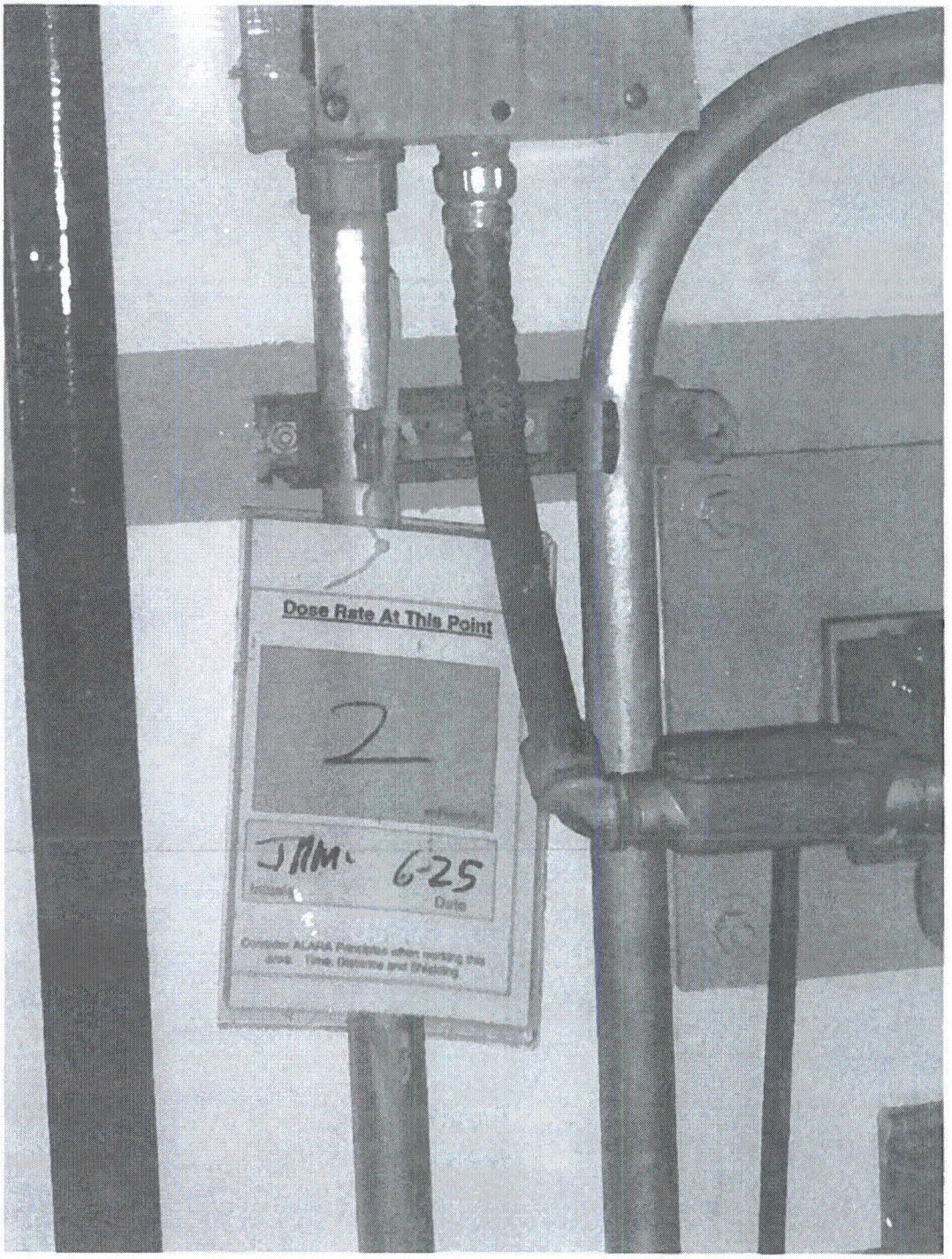


Figure 1 – Pipe Clamp Missing Bolt (SE Diagonal Unit 2)

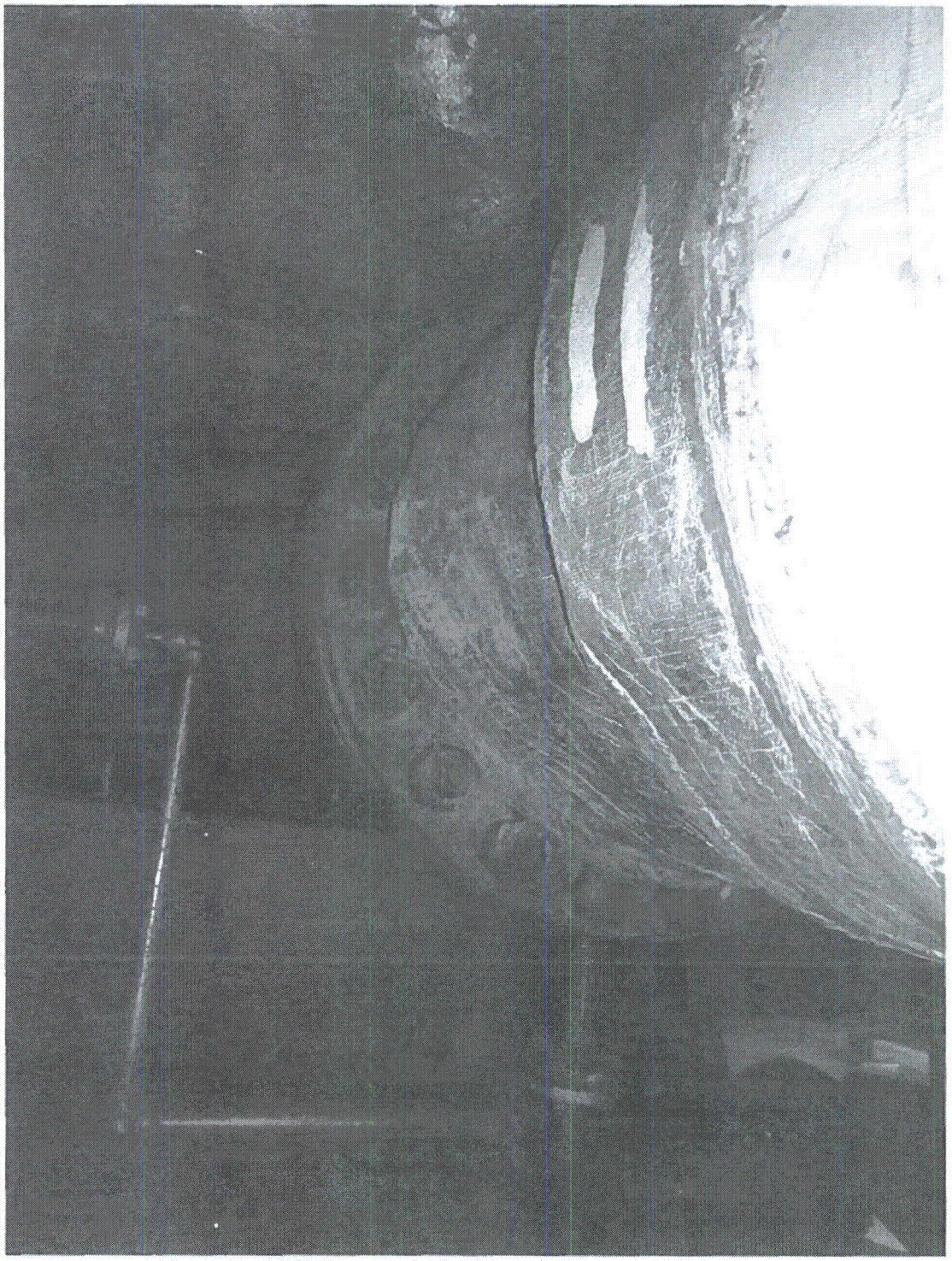


Figure 2 – RHR Pump Bolt Oxidation (SE Diagonal Unit 2)

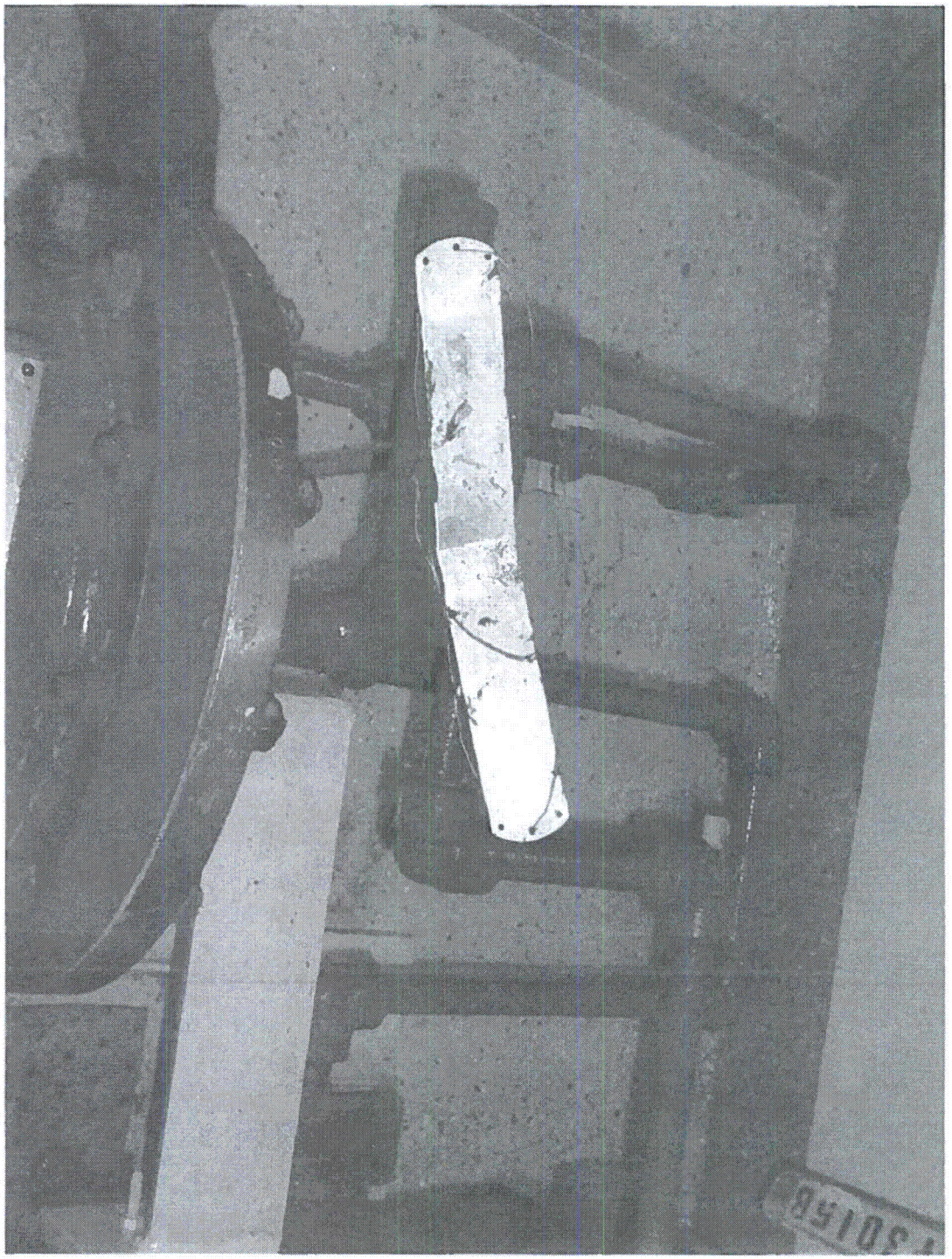


Figure 3 – Loose Equipment Tag (SE Diagonal Unit 2)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *109'-8"* Room, Area[1] *Unit 2 SW Diagonal Room*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *109'-8"* Room, Area[1] *Unit 2 SW Diagonal Room*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)? *There are wrenches, a tape measure and cleaning supplies stored on top of Hose Station 2HS-R04. There are also poles stored on floor and a radwaste bag also stored on the floor near the Hose Station. SWE's have determined that these Items are far from seismic/safety related equipment, therefore they are seismically acceptable.*	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/24/2012*

Jeff Horton *09/24/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *109'-8"* Room, Area[1] *Unit 2 SW Diagonal Room*

Photographs:

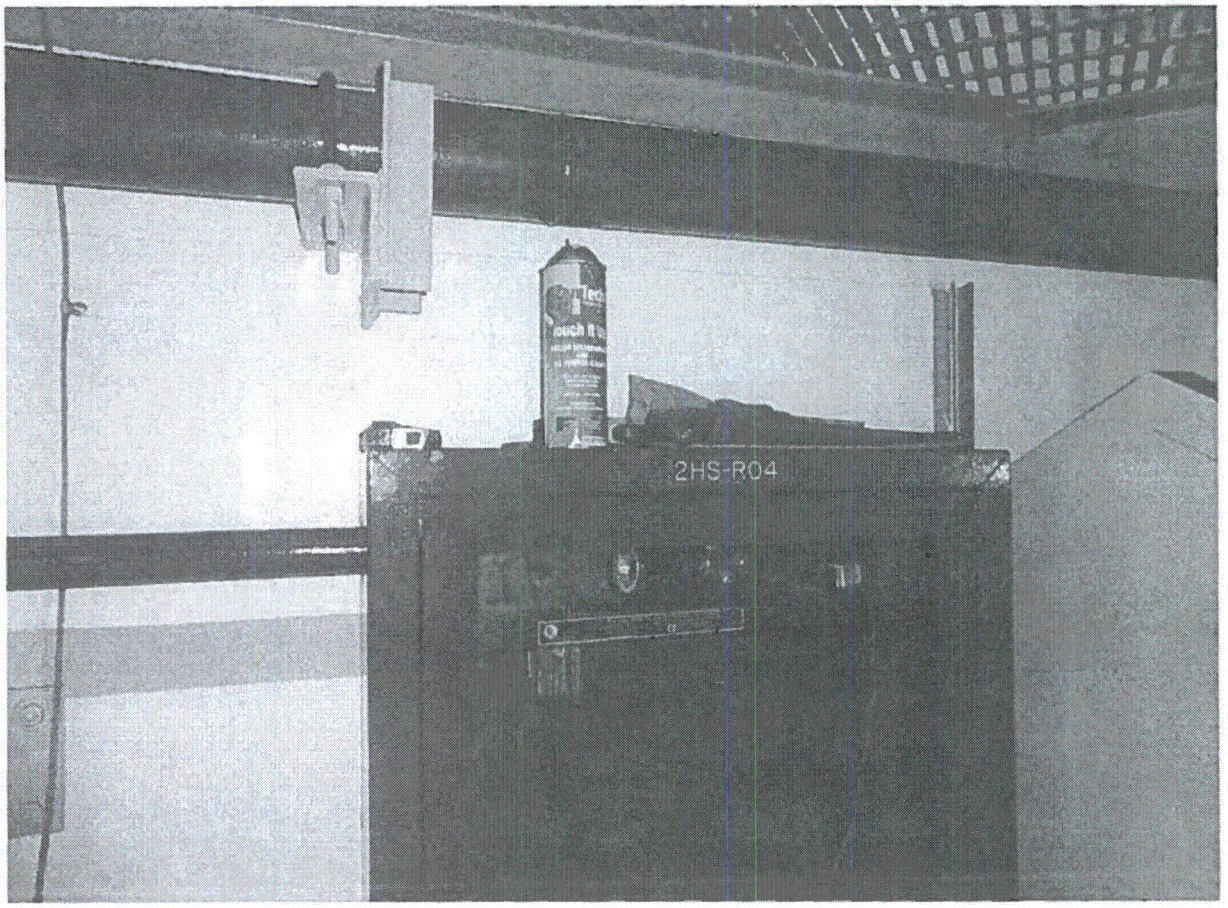


Figure 1: Items Stored on Hose Station

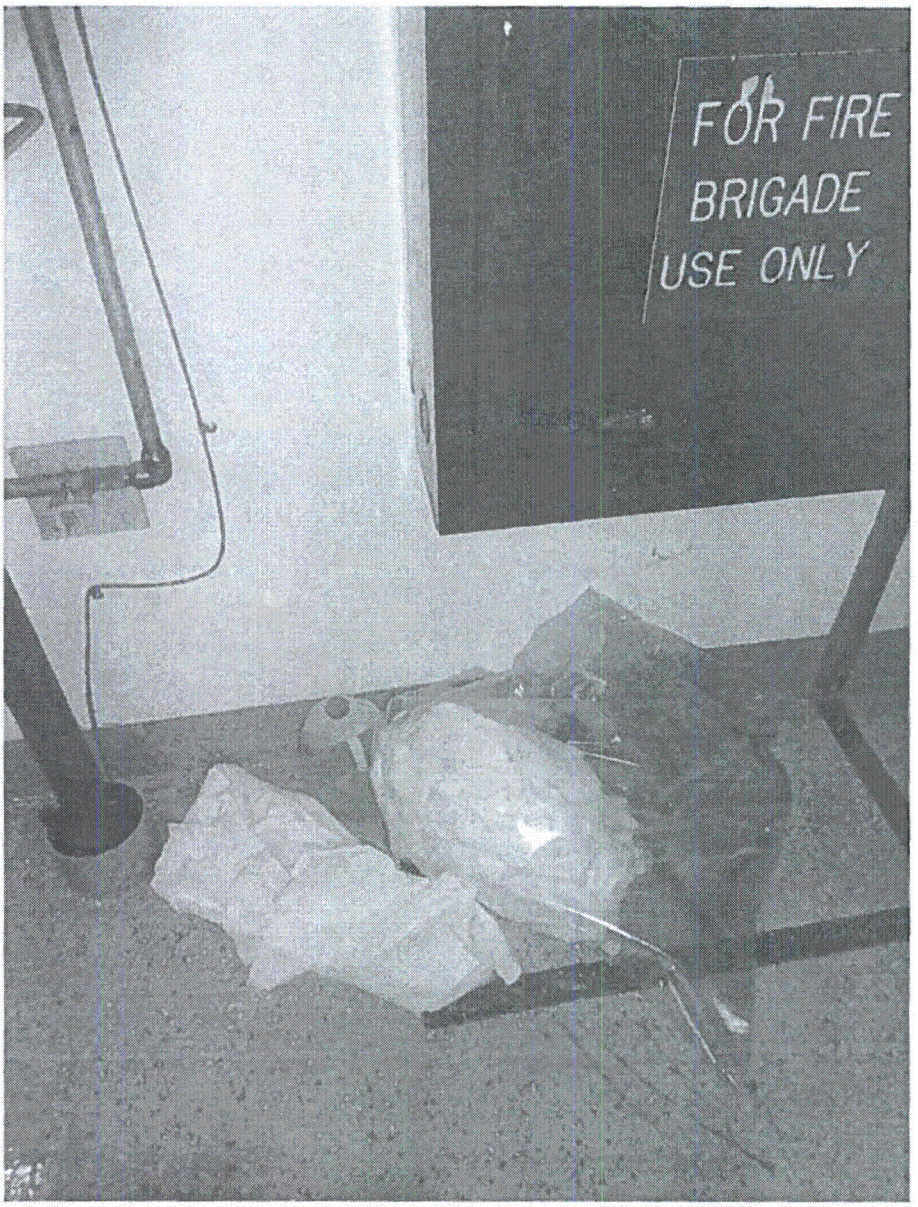


Figure 2 Radwaste Items on Floor in Contaminated Area near Hose Station

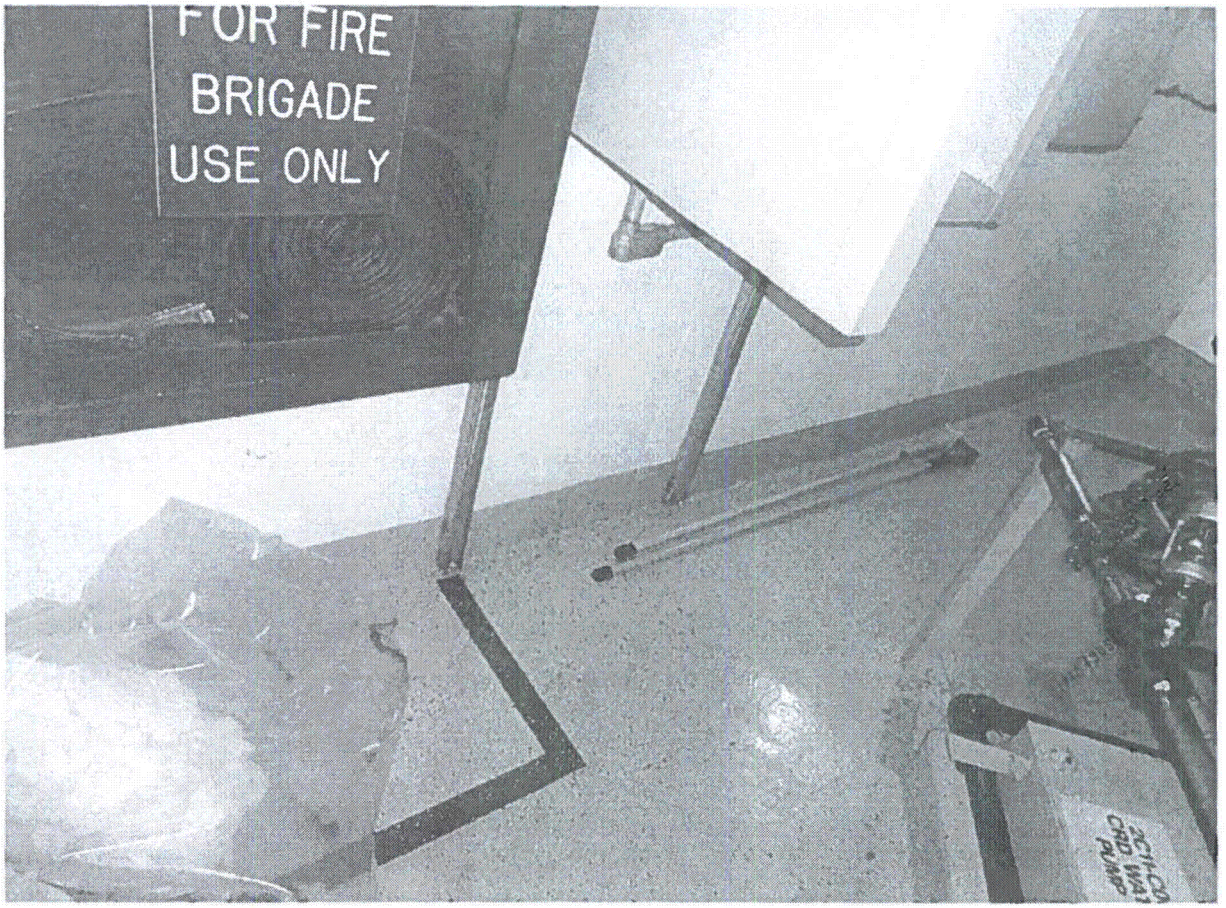


Figure 3 Poles/Handles Stored on Floor Near Hose Station

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *96* Room, Area[1] *Unit 2 HPCI Room Cooler Platform*

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)? Y☒ N☐ U☐ N/A☐

   A knee-brace for conduit support near Valve 2E41-F007 near the 2T41-B005B HPCI cooler has only one anchor bolt (CR 515489). There is a hole in the base plate for the second bolt, but it appears that only one bolt was ever installed since there is no hole in the concrete. The knee-brace is one of a pair of supports for a small conduit near the wall. The second knee brace is fairly large and has all anchor bolts, so it is judged to have sufficient capacity to support the small conduit during a seismic event. This issue is addressed in CR 515489.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *96* Room, Area[1] *Unit 2 HPCI Room Cooler Platform*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

A "Hot Pipe" sign was found lying on the grating on the 96' elevation of the Unit 2 HPCI Room (on the Unit 2 HPCI Room Cooler Platform) next to the 2T41-B005A cooler but not attached to anything. The tag is light and not located near any sensitive equipment, so it is judged that there is no potentially adverse seismic condition due to this loose tag (CR 519707).

The H01 test connection lead was found lying on top of the 2T41-B005A cooler. The lead is very light and is attached by the connection cable to the body of the cooler. There is no delicate equipment in the vicinity of the lead, and the cooler is very rugged, so any impact will not be significant. Therefore, it is judged to not be a potentially adverse seismic condition. This item does not need to be moved.

Evaluated by: *John McFarland* Date: *09/11/2012*

Jeff Horton *09/11/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *96* Room, Area[1] *Unit 2 HPCI Room Cooler Platform*

Photographs

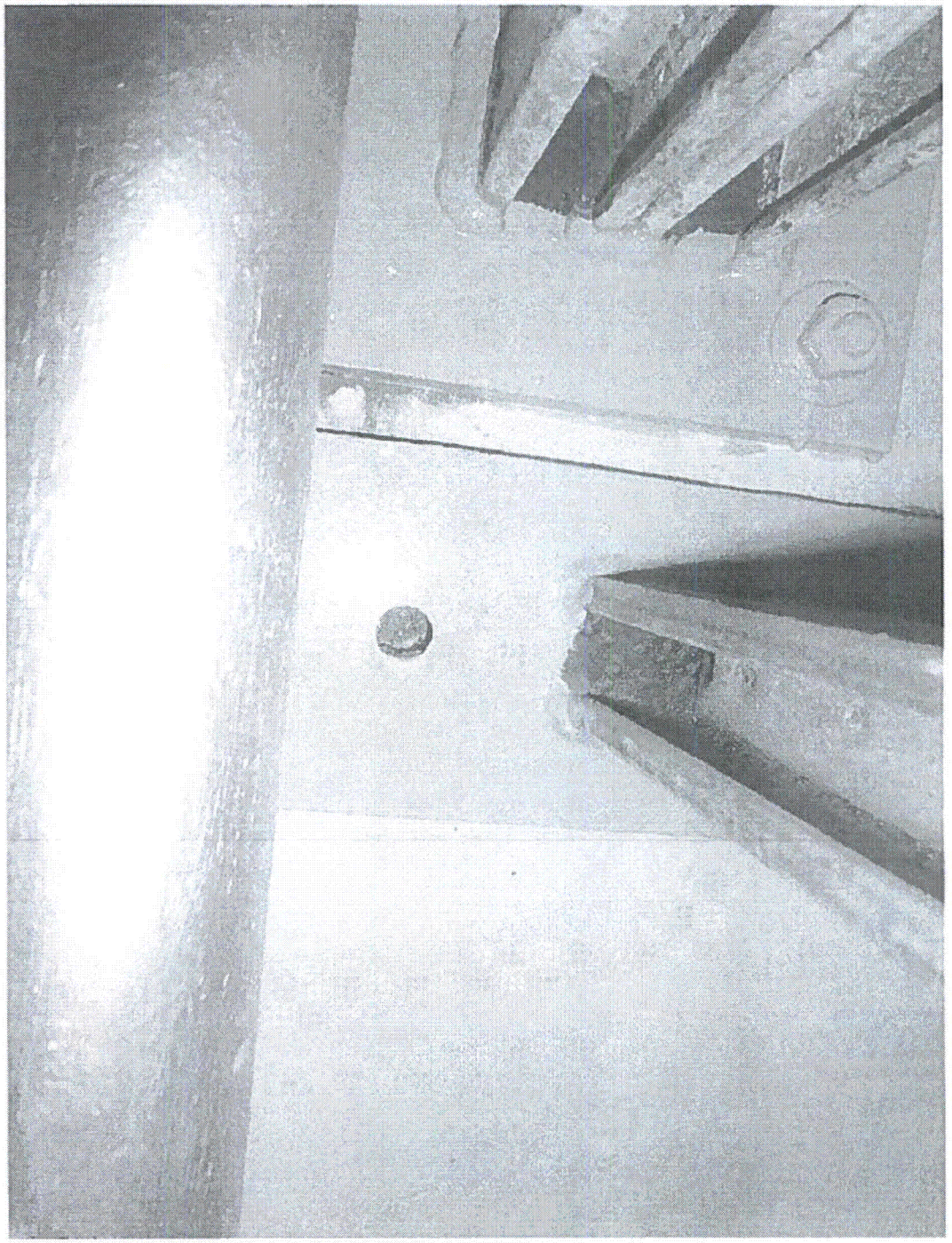


Figure 1 – Missing Knee Brace Anchor Bolt (Unit 2 HPCI Room)

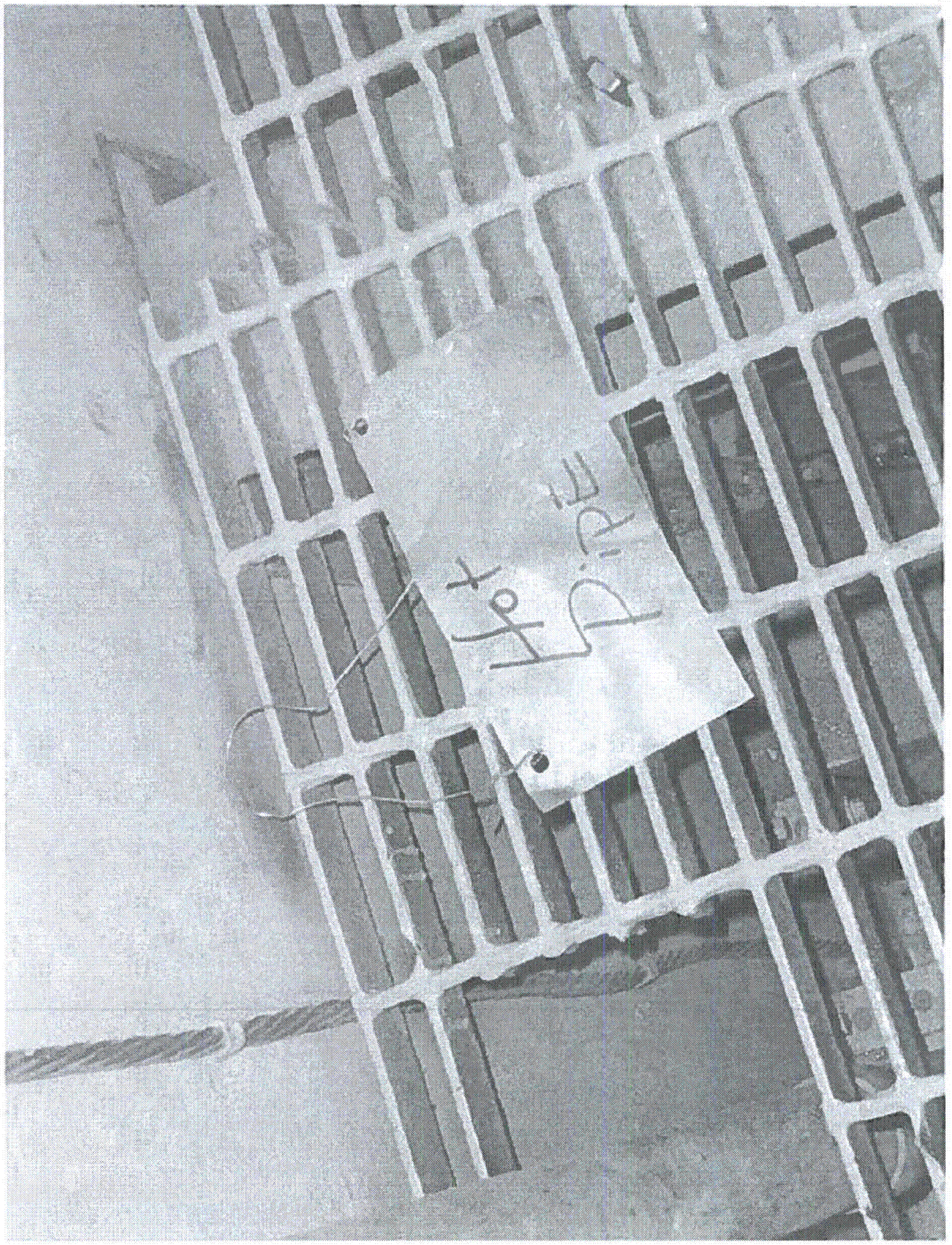


Figure 2 – Hot Pipe Sign (Unit 2 HPCI Room)

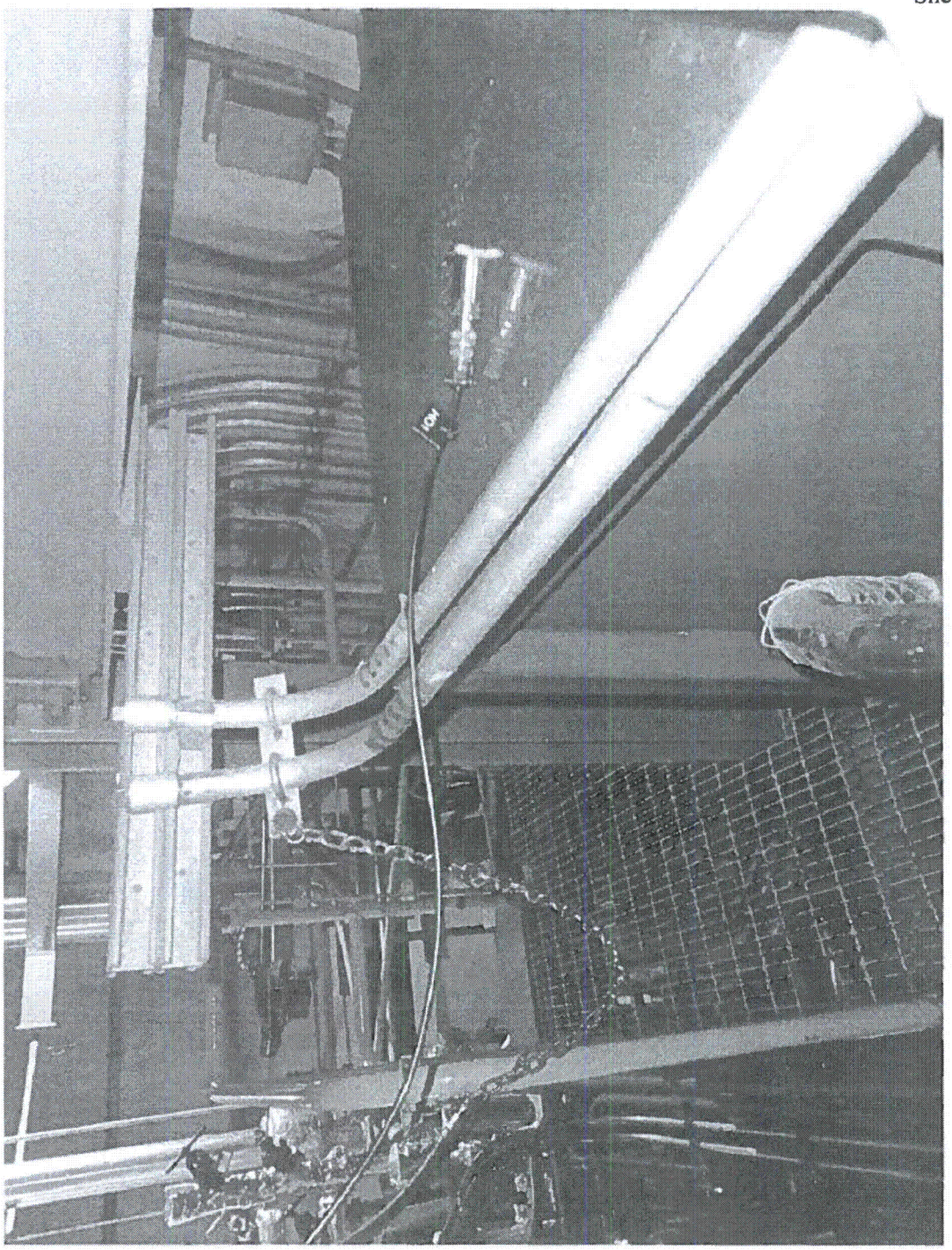


Figure 3 – Loose H01 Testing Lead (Unit 2 HPCI Room)

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *203* Room, Area[1] *SBGT Filter Train Room*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☐ N☒ U☐ N/A☐
   Filter Train 2T41-D007 and D008 have anchor bolts corroded as shown in the attached pictures. The corrosion appears to be severe enough to degrade the capacity of the some of the bolts. A CR has been initiated for this purpose (CR515661).
   Support anchors on the floor for the exhaust fan (2T41-C005B) ducts have cracks in the concrete at one of the anchor bolts. See attached pictures. A CR has been initiated for this purpose (CR515779).

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *203* Room, Area[1] *SBGT Filter Train Room*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

A loose tag was found in the room. A CR has been initiated for this purpose (CR515431). See attached picture.

Also, a loose nut was found in the room. It is judged not to be a seismic concern.

Evaluated by: *Kursat Kinali* Kursat Kinali Date: *9/11/2012*

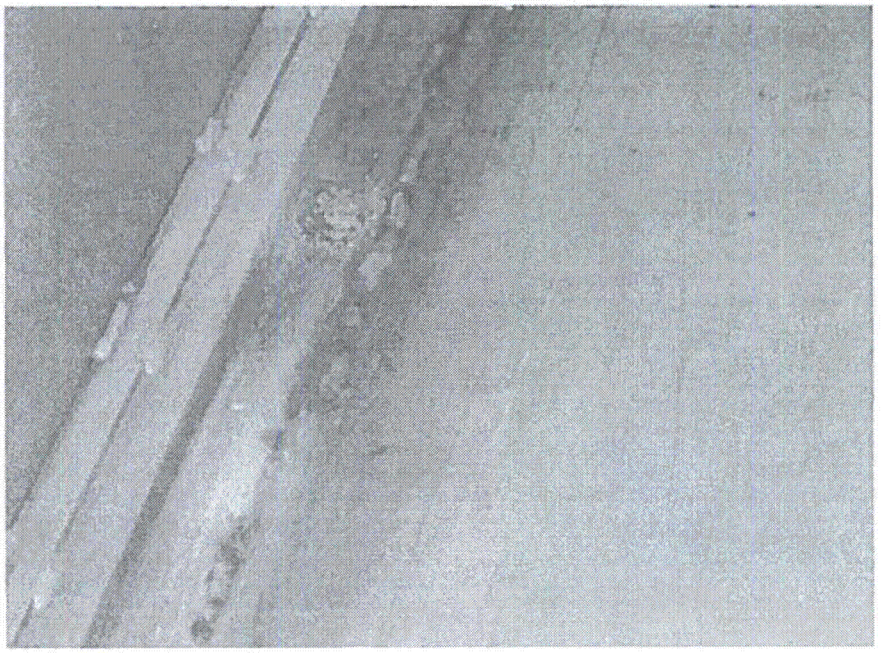
Wesley Williams Wesley A. Williams *9/11/2012*

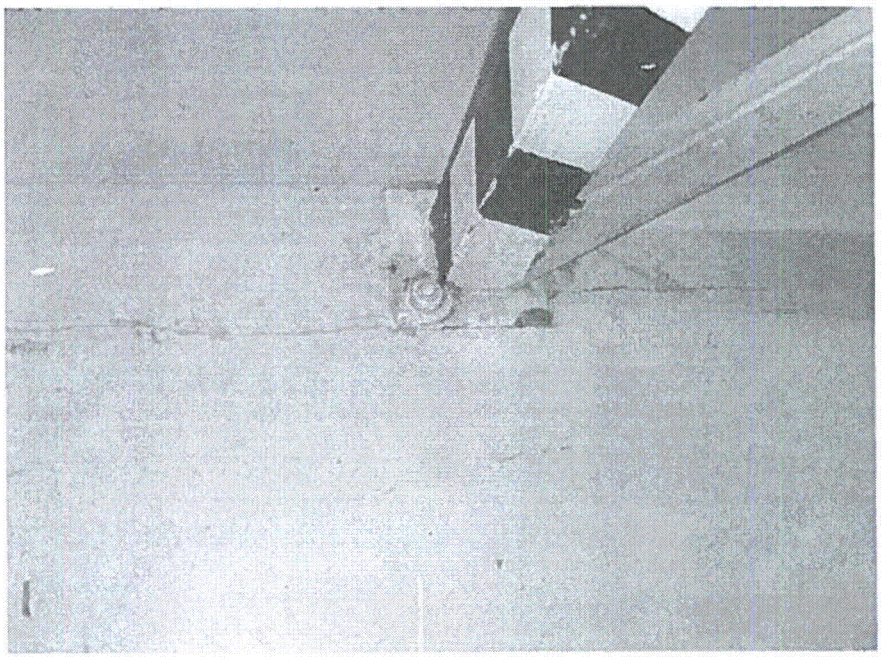
Status: Y☐ N☒ U☐

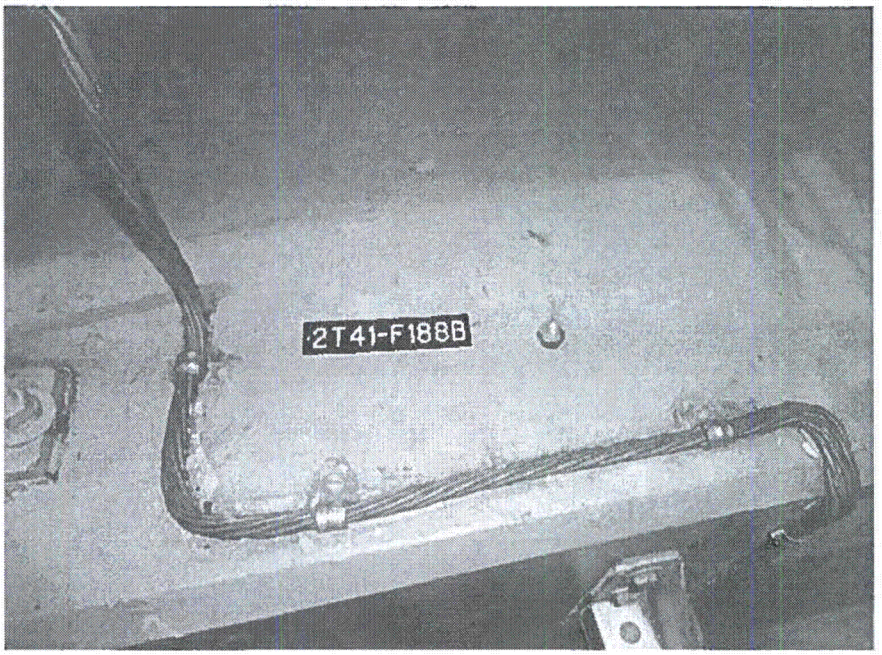
Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *203* Room, Area[1] *SBGT Filter Train Room*

Photographs






2T41-F188B

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *YARD* Floor El. *117* Room, Area[1] *Unit 2 Div. 1 pit for item 2P41-F315A*

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)? Y☒ N☐ U☐ N/A☐
   A missing screw was observed on the front cover of the splitter box and also on the Chemelex box support to the wall. SWEs judged these not to be potentially adverse seismic conditions. However, CR525473 was initiated to replace these screws.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐
   Widespread corrosion was also observed in this pit. SWEs judged this not to be a potentially adverse seismic condition. However, CR525475 was initiated for this purpose.

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *YARD* Floor El. *117* Room, Area[1] *Unit 2 Div. 1 pit for item 2P41-F315A*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   Trash bags were noticed on the floor, but judged not to be a potentially adverse seismic condition by the SWEs.

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

Comments (Additional pages may be added as necessary)

A broken tag was found on the floor. SWEs judged this not to be a potentially adverse seismic condition. However, CR525476 was initiated to fix this issue.

Evaluated by: *Kursat Kinali* Date: *9/27/2012*

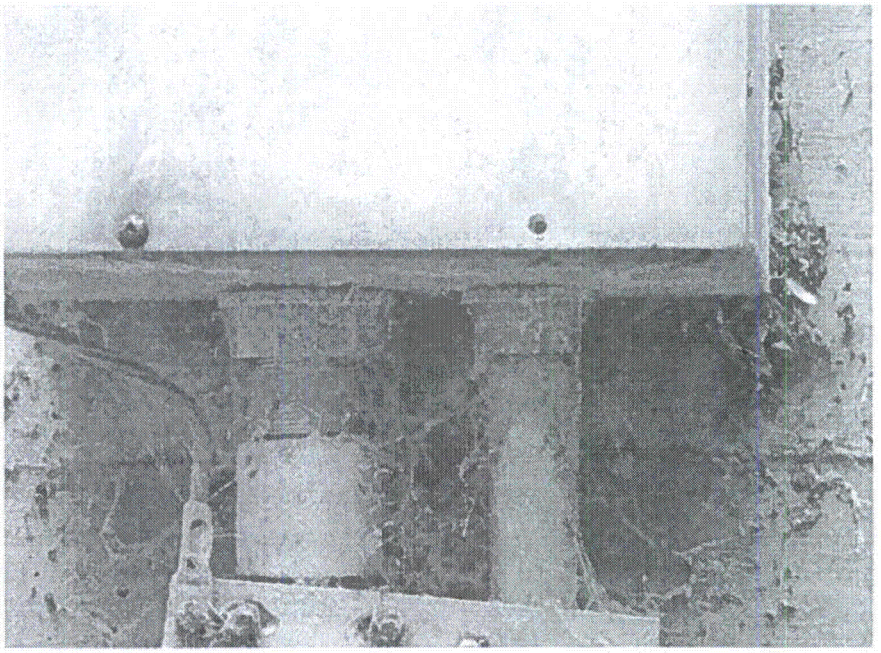
John Mcfarland *9/27/2012*

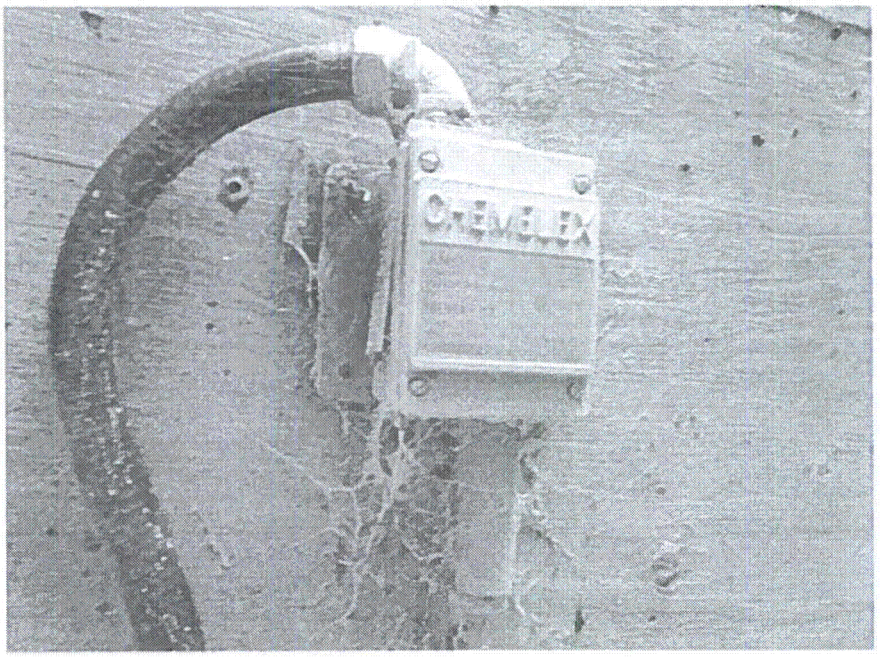
Status: Y☒ N☐ U☐

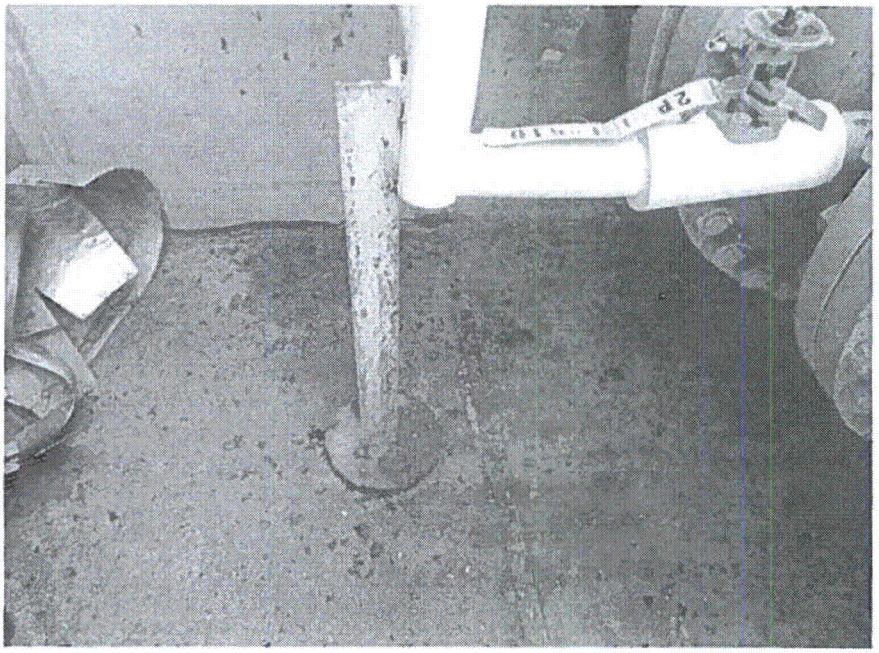
Area Walk-By Checklist (AWC)

Location: Bldg. *YARD* Floor El. *117* Room, Area[1] *Unit 2 Div. 1 pit for item 2P41-F315A*

Photographs








8758

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NE Diagonal*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There was a 1" diameter demineralized water pipe discovered that appeared to be missing a U-bolt (CR 523085). There is an angle with two holes drilled in it immediately adjacent to the pipe above the 2H21-P001 instrument rack that looks like it was intended as a pipe support. The pipe has additional supports on either side of the missing support and is light, so it is judged that the existing supports have adequate capacity to support the pipe. Therefore, there is no potentially adverse seismic condition. However, the missing support needs to be reinstalled.

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)? Y☒ N☐ U☐ N/A☐

   There is a temporary power cord strung along the building steel to the 2E11-C002A RHR Pump. The bulk of the power cord is tied into a loop near a steel beam, which is judged sufficient to prevent impact between the cable and any sensitive equipment on the other side of the beam. Therefore, there is no potentially adverse seismic interaction.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NE Diagonal*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There was a 6' metal ladder left unrestrained behind the 2H21-P018 RHR Instrument Rack (CR 522935). The ladder was placed behind the diagonal support for the rack and a steel column, such that during a seismic event, the ladder would not be able to impact anything except support steel. The impact is judged by the SWEs to be credible but not significant. Therefore, there is no potentially adverse seismic condition.

   There are a few items (a plastic bag, a roll of caution tape and a small metal piece) left loose in the contaminated area around the 2E11-C002C RHR Pump. All of the items are small and light and located away from sensitive equipment, so are judged to not create a potentially adverse seismic condition.

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

Comments (Additional pages may be added as necessary)

There was a 3' long bent steel support that was sitting on the floor next to the 2H21-P001 instrument rack (CR 523087). The support is small and light, and is not located near any sensitive equipment, so it is judged that there is no potentially adverse seismic condition. It was not readily apparent where the support belonged or whether it needed to be reinstalled.

Evaluated by: *John McFarland* Date: *09/24/2012*

Jeff Horton *09/24/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *NE Diagonal*

Photographs

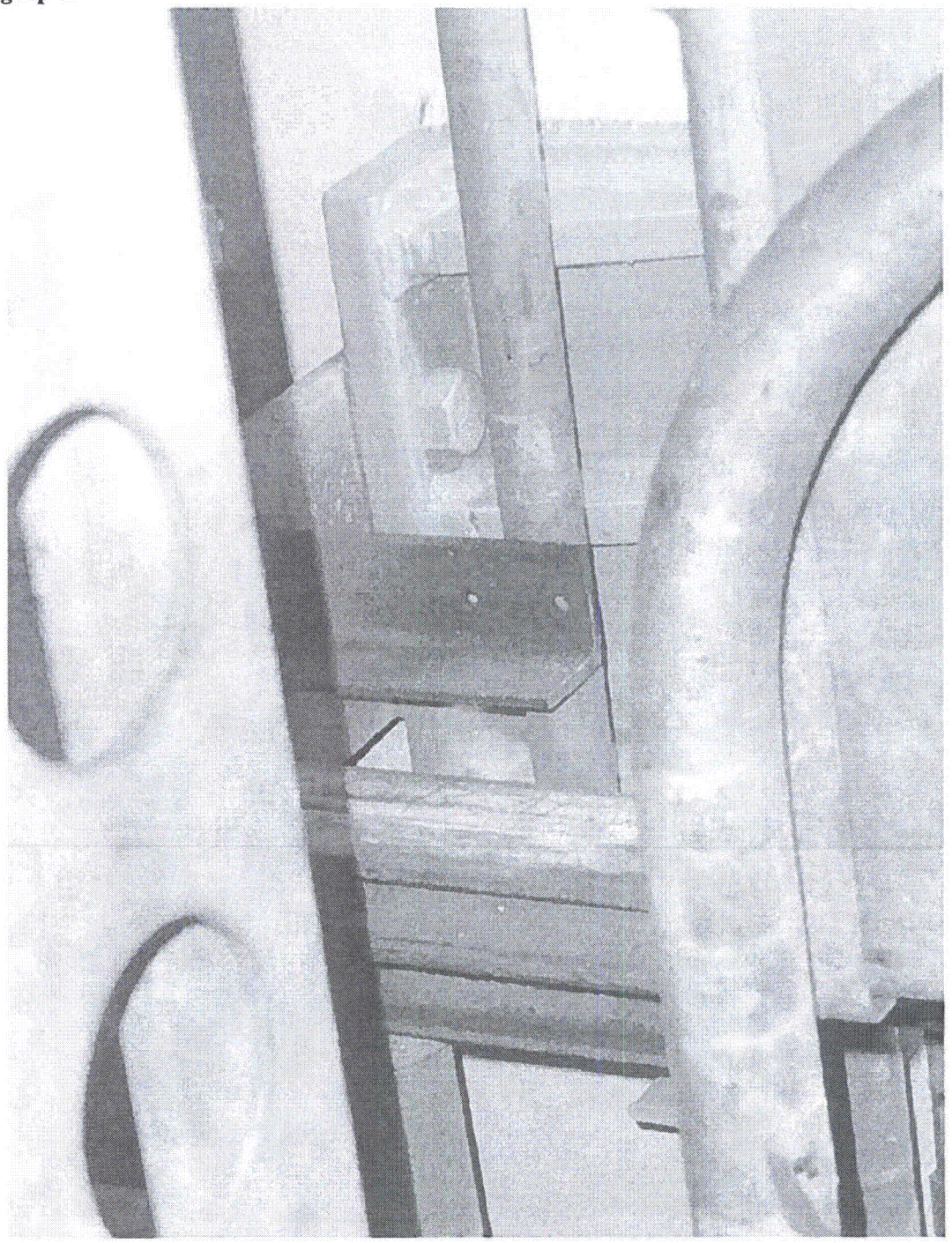


Figure 1 – Missing U-Bolt (Unit 2 87' NE Diagonal)

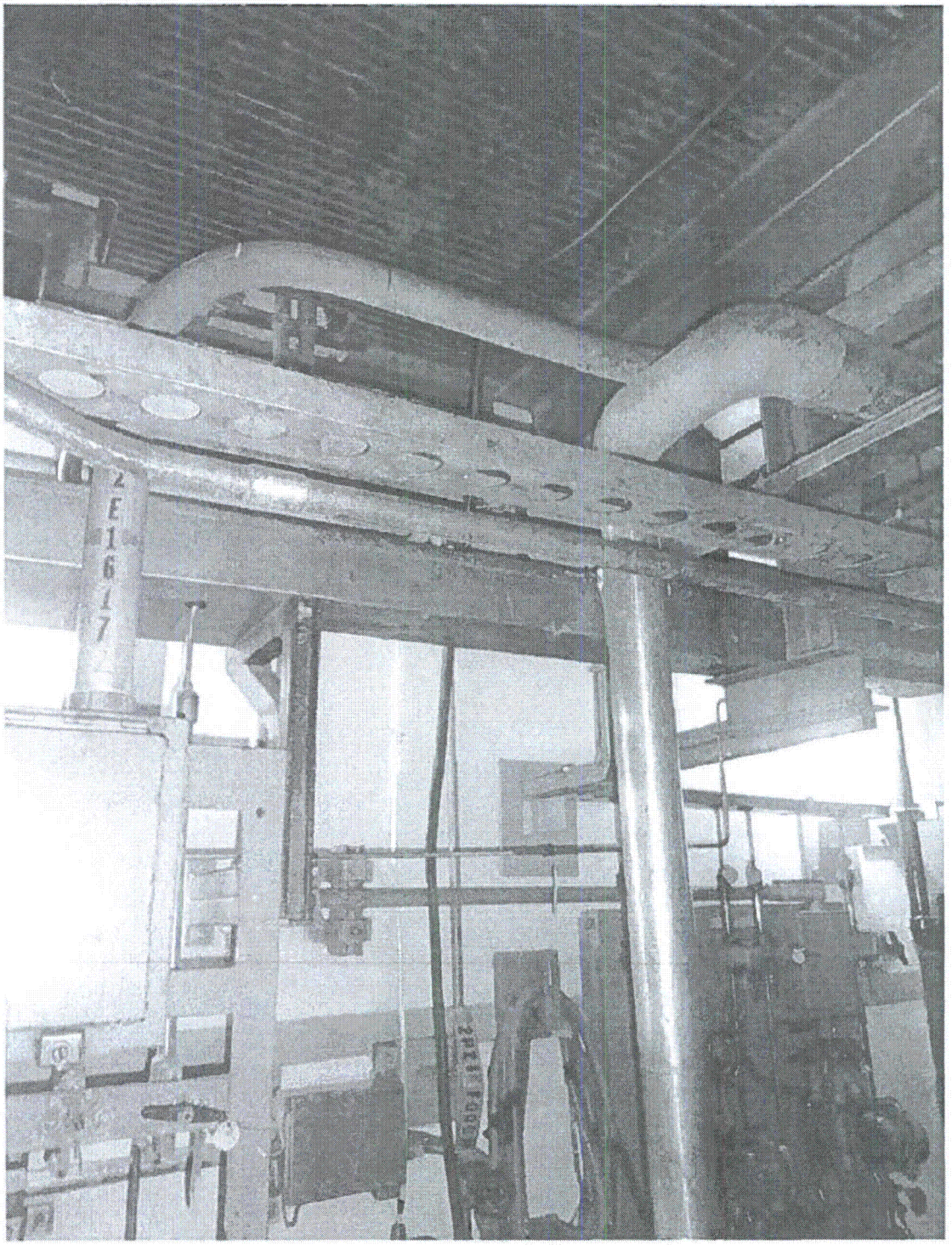


Figure 2 – Temporary Power Cord (Unit 2 87' NE Diagonal)

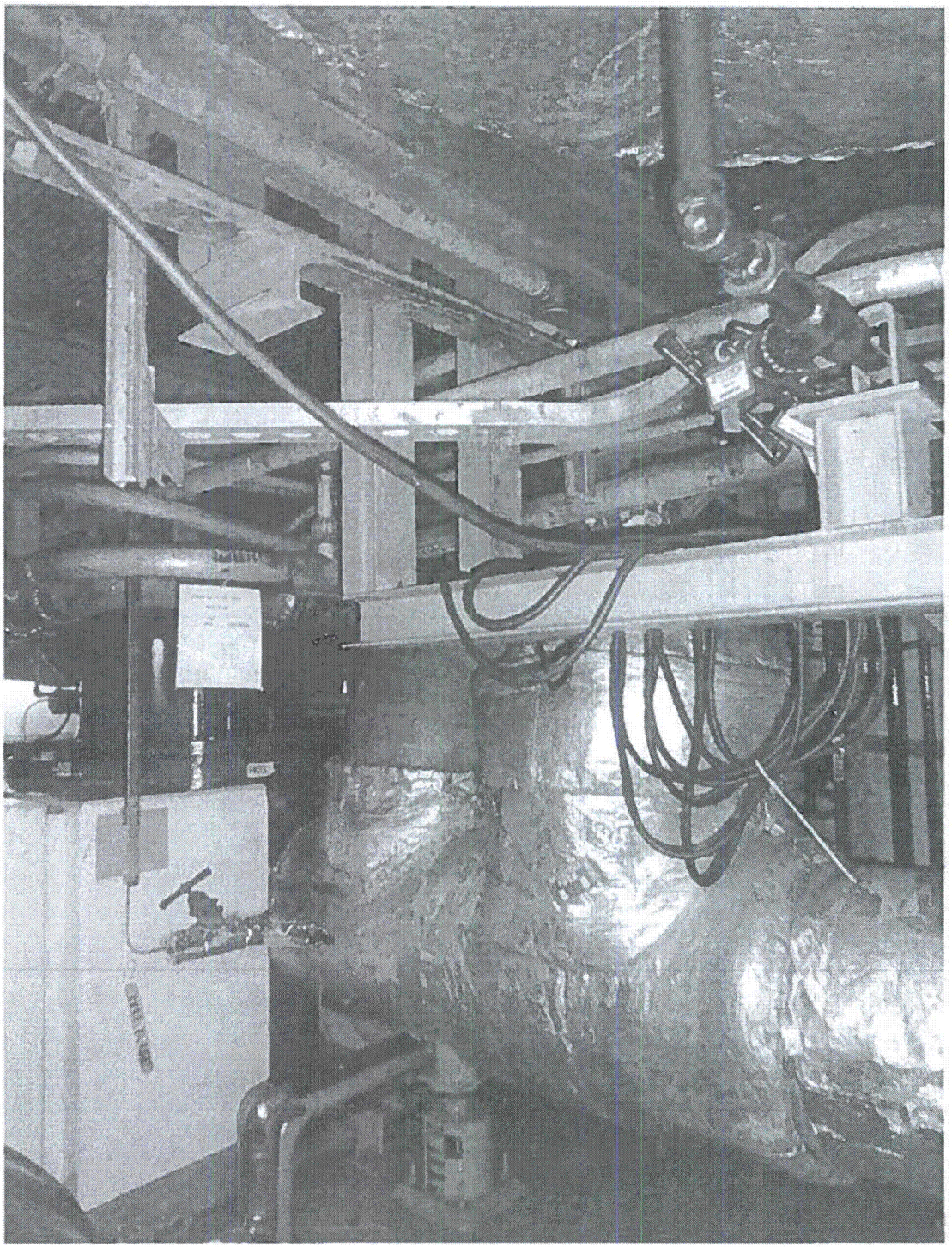


Figure 3 – Temporary Power Cord (Unit 2 87' NE Diagonal)

Figure 4 – Unrestrained Metal Ladder (Unit 2 87' NE Diagonal)

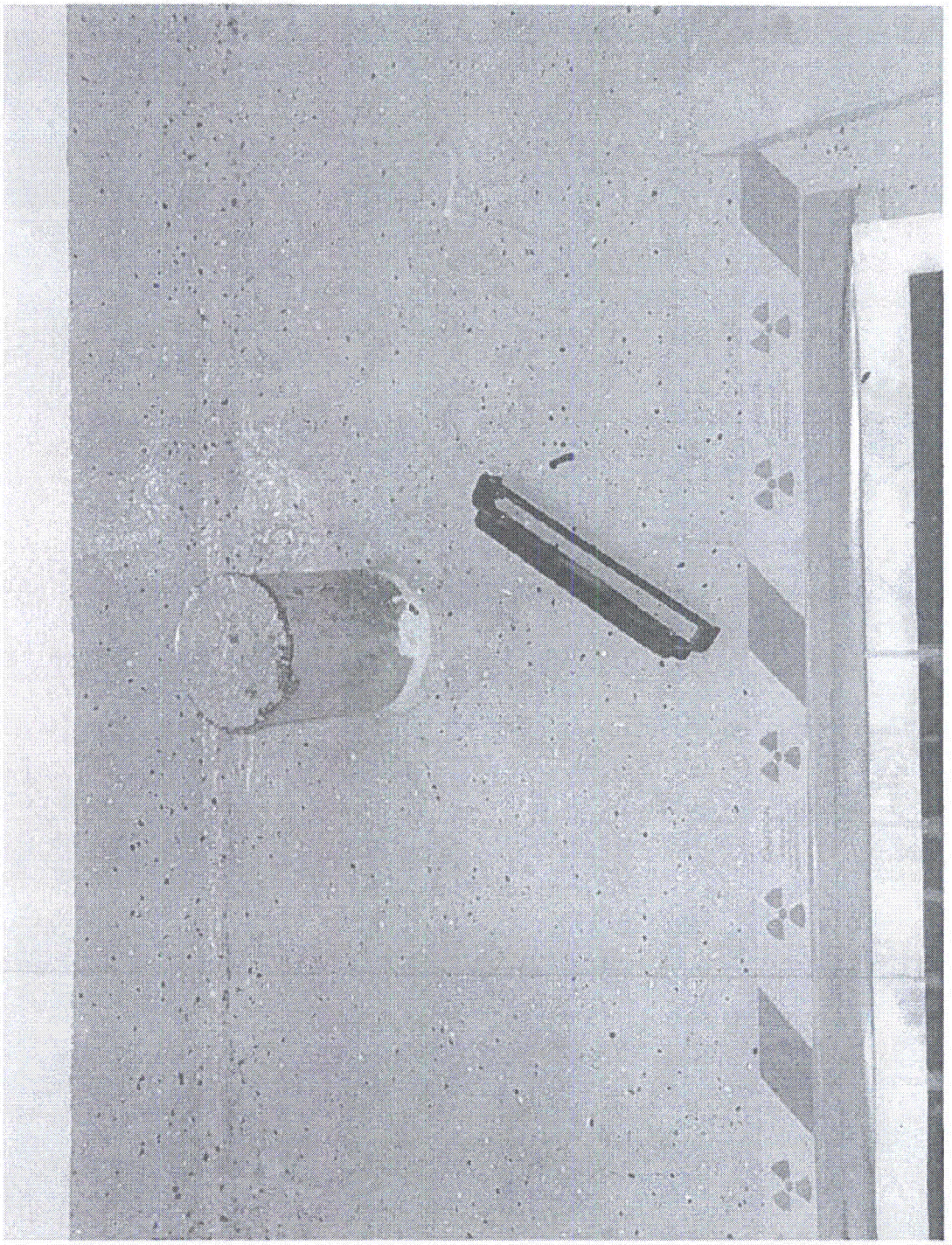


Figure 5 – Loose Items in Contaminated Area (Unit 2 87' NE Diagonal)

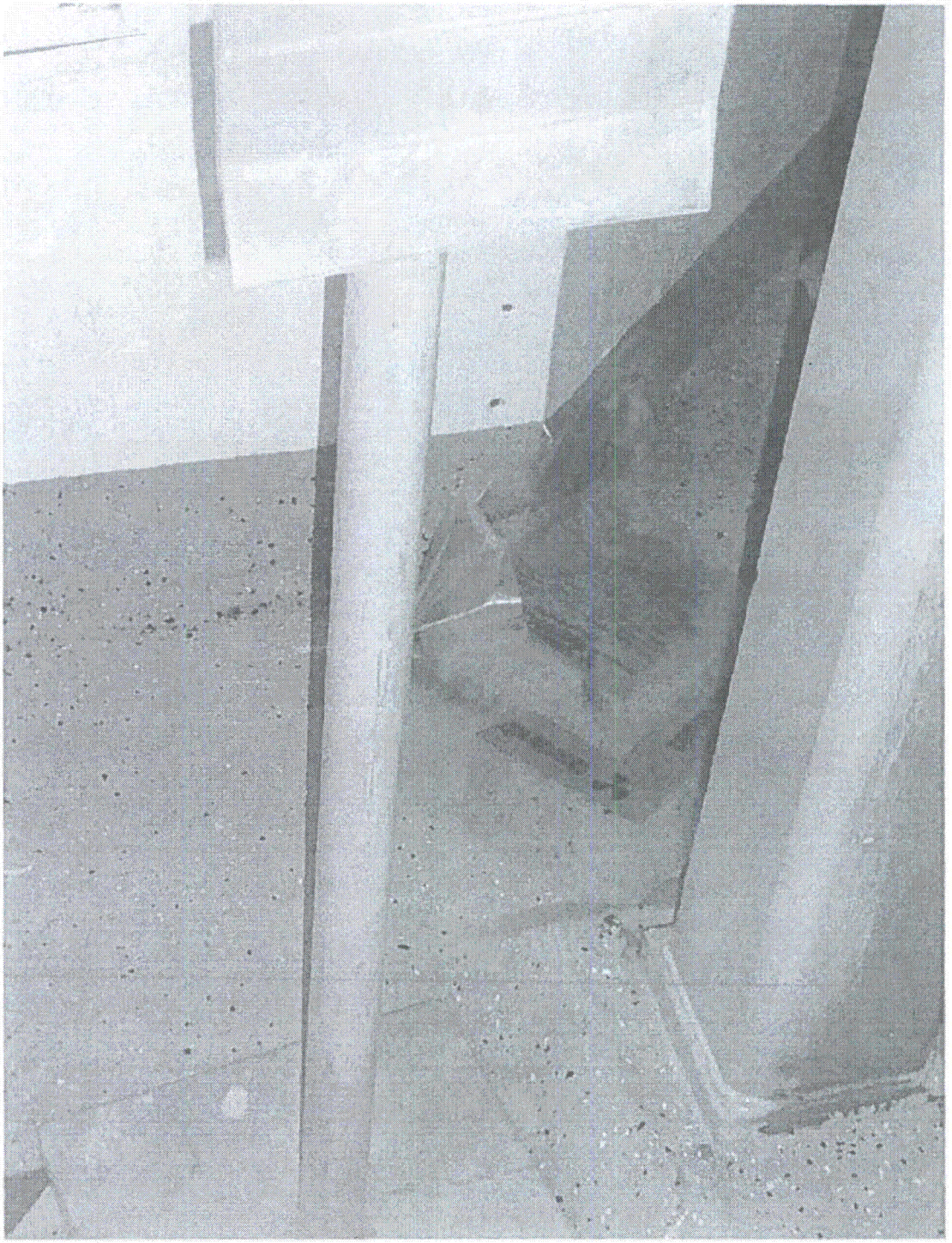


Figure 6 – Loose Items in Contaminated Area (Unit 2 87' NE Diagonal)

Figure 7 – Loose Items in Contaminated Area (Unit 2 87' NE Diagonal)

Figure 8 – Loose Bent Steel Support (Unit 2 87' NE Diagonal)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *150* Room, Area[1] *ROOF (NORTH END)*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

   Concrete bearing pad of storage tank located 2nd from the north end of the roof exhibits spalled corners (see photograph 1). This is typical on all four ends of the pads. Grout pads are not structural. The bearing plate is well supported and the bolts fully extend into the concrete below the grout. The grout is not considered in the bolt capacity. Therefore, the concrete pads are judged to be seismically adequate.

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *150* Room, Area[1] *ROOF (NORTH END)*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

There is a U bolt support for a fire protection pipe (see photographs 2 and 3) which is not securely fastened to the angle support. A nut is missing and another is not tightened. The pipe is supported vertically but the angle support and the U bolt in place to prevent the pipe from moving off the support laterally. Vertical seismic accelerations are not great enough for the bolt to be lifted out of place. It is judged to be seismically adequate. CR 523486 has been written to replace the missing/unsecured nuts.

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Juan Vizcaya* Date: *09/24/2012*

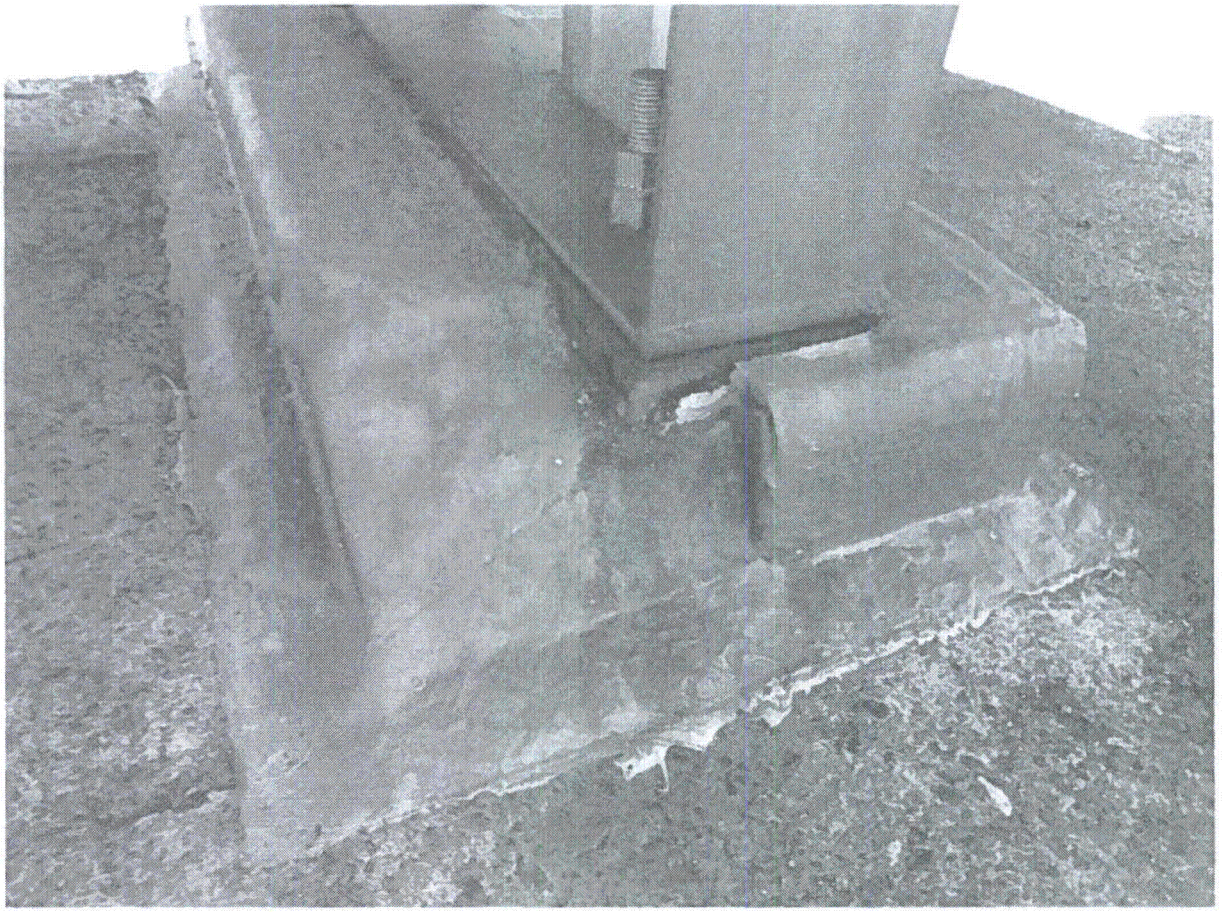
Patrick Kelly *09/24/2012*

Status: Y☒ N☐ U☐

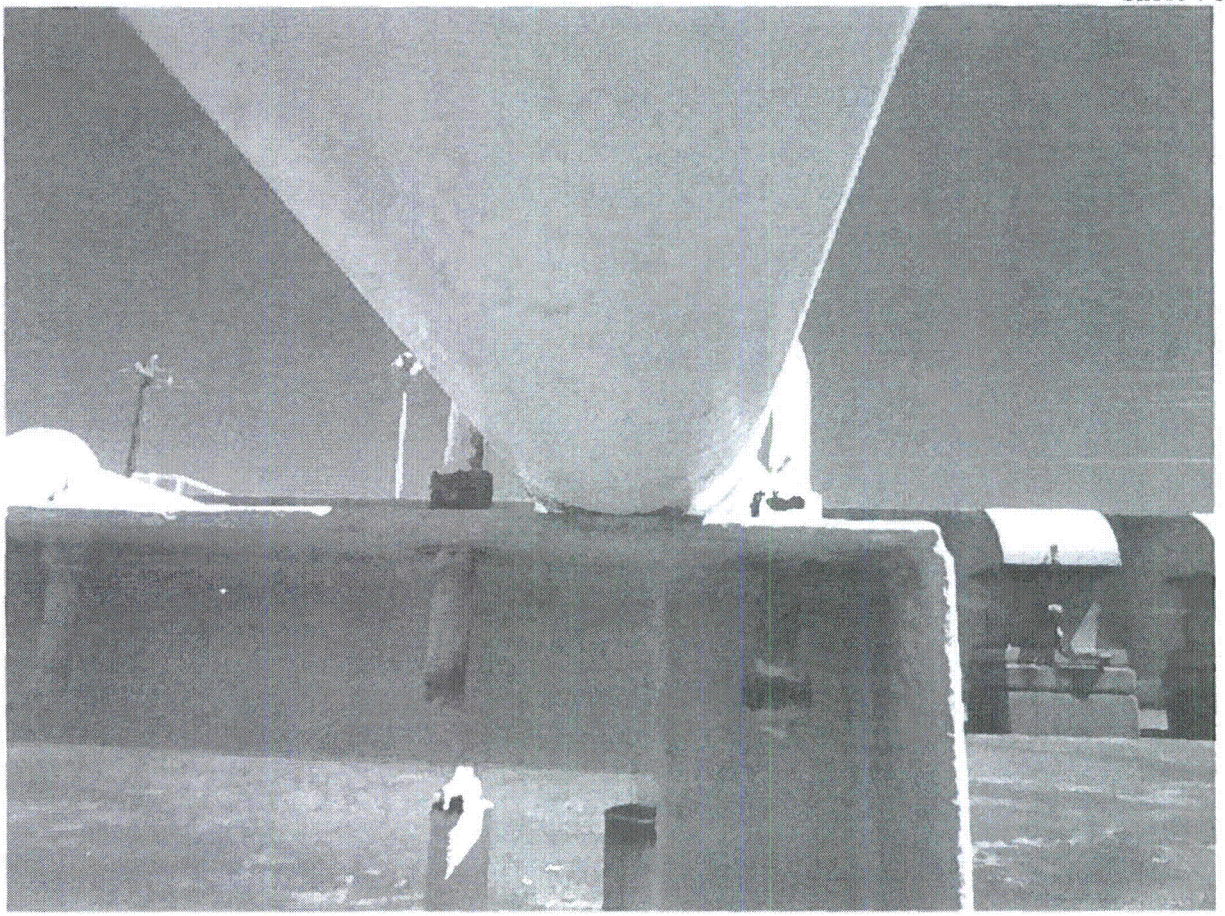
Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *150* Room, Area[1] *ROOF (NORTH END)*

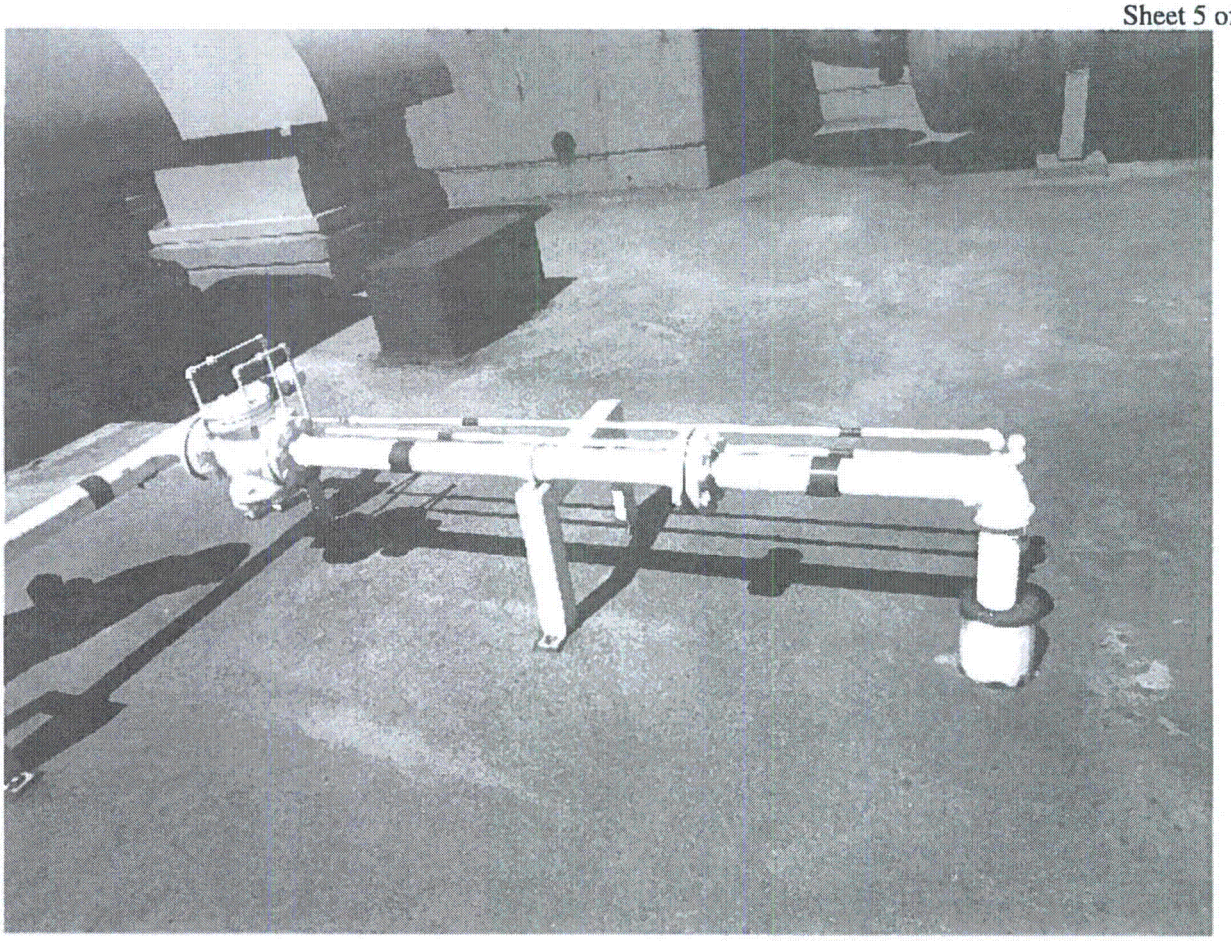
Photographs



1: Spalled Concrete Bearing Pad for Storage Tank (Diesel Building Roof – North End)



2: U Bolt Not Securely Fastened to Angle Support (Diesel Building Roof – North End)



3: Pipe Elevation With U Bolt Support Deficiency (Diesel Building Roof – North End)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *185* Room, Area[1] *2R303*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *185* Room, Area[1] *2R303*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Kursat Kinali* Kursat Kinali Date: *9/11/2012*

Wesley Williams Wesley A. Williams *9/11/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *185* Room, Area[1] *2R303*

Photographs

None.

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *Near Equipment Hatch (R6 to R13)*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *Near Equipment Hatch (R6 to R13)*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☐ N☒ U☐ N/A☐

   There are two brass nozzles sitting loose on top of the Gas Cylinder Location 2P33-P066 and two brass nozzles sitting on the frame for panel 2H21-P405B, which is a high potential to cause a plant transient (CR 515750). The nozzles are small and relatively light, so they are unlikely to cause any structural damage during a seismic event. However, due to their location on the support for a high trip hazard panel, there is a concern that the nozzles could potentially cause a plant transient.

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

Comments (Additional pages may be added as necessary)

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *Near Equipment Hatch (R6 to R13)*

Evaluated by: *John McFarland* Date: *09/11/2012*

Jeff Horton *09/11/2012*

Status: Y☐ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *Near Equipment Hatch (R6 to R13)*

Photographs

Figure 1 – Loose Nozzles near Bottles (Near Equipment Hatch Unit 2)

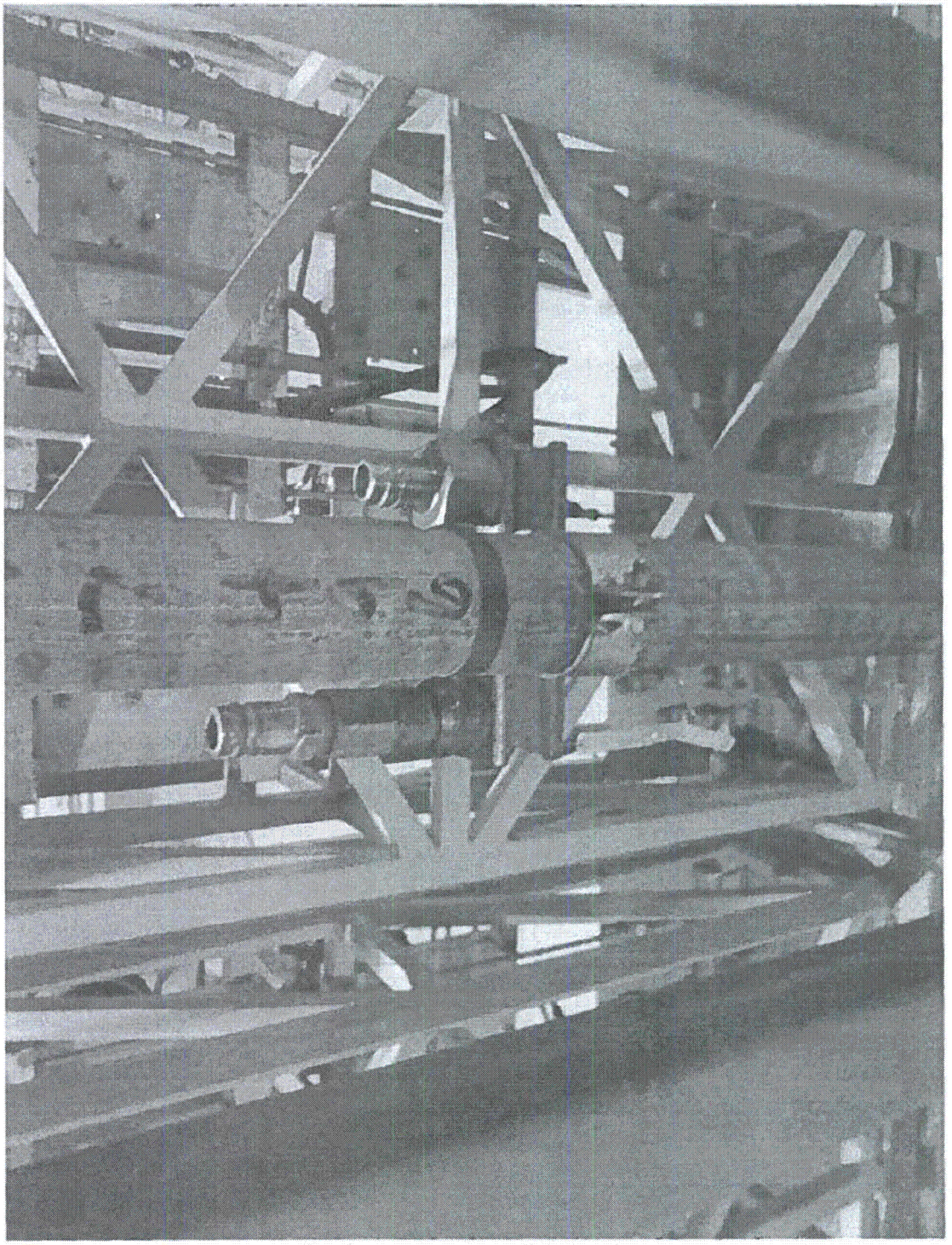


Figure 2 – Loose Nozzles behind Panel (Near Equipment Hatch Unit 2)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There is a 2" dia. conduit nearly touching Electrical box 2Z43-H576D (approximately a 1/16" gap). The conduit and box are both well supported and fairly rugged, so the impact is not considered to be significant. Therefore, it is judged to be seismically adequate.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/06/2012*

Jeff Horton *09/06/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

Photographs

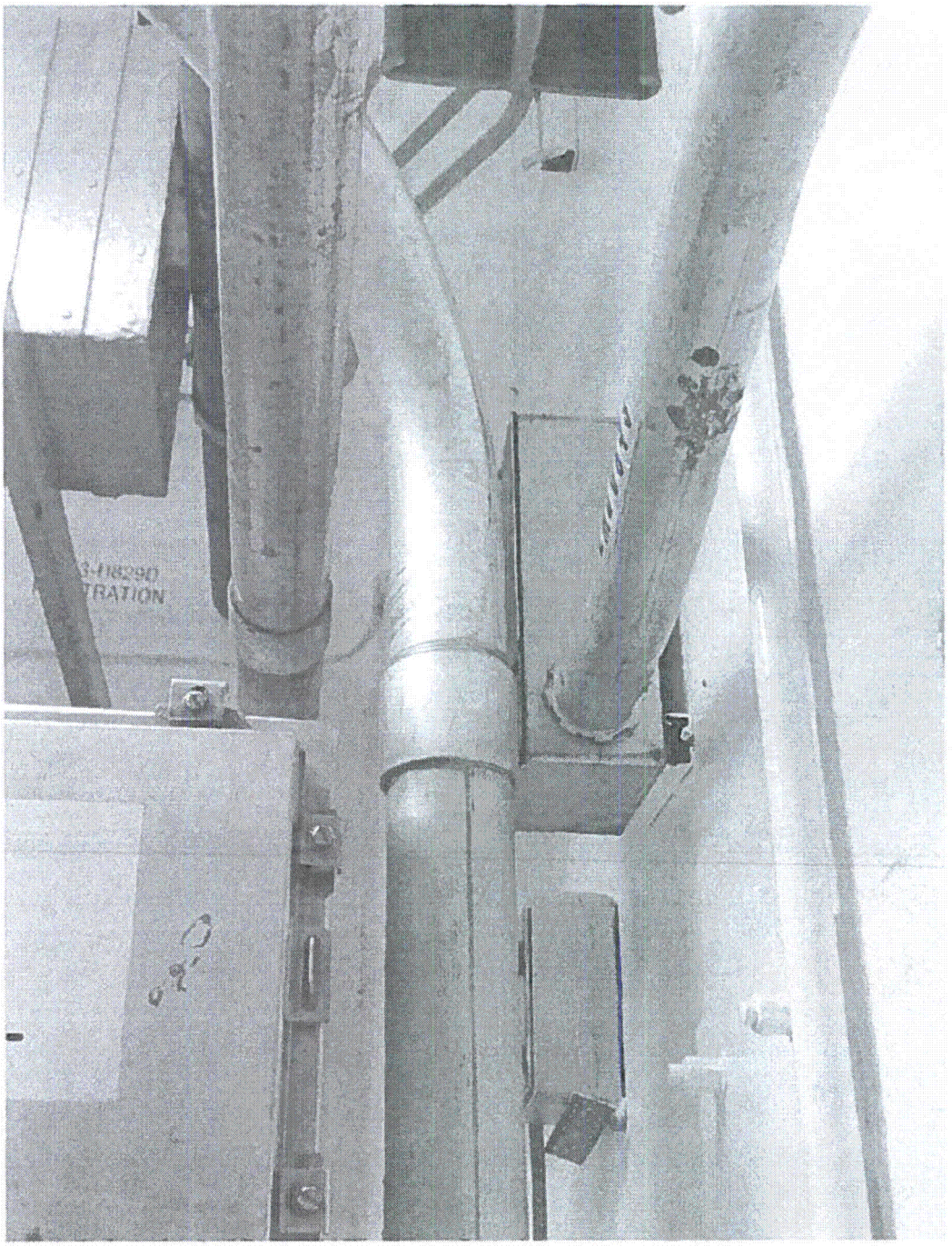


Figure 1 – Conduit and Electrical Box (Room C140)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *Unit 2 Station Battery 2A*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

   There are three cover plate screws out of six screws and one cover plate screw out of six screws, respectively, missing from two junction boxes near Penetration 2Z43-H1064C (CR 524309). Both of the junction boxes have sufficient remaining screws to secure the covers in place, so there is no potentially adverse seismic condition.

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)? Y☒ N☐ U☐ N/A☐

   There are holes drilled in several of the supports for the HVAC running above the ladders in the battery room. The holes were drilled for an earlier or alternate HVAC configuration and are not being used in the current configuration. There are no missing bolts, so there is no potentially adverse seismic condition.

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *Unit 2 Station Battery 2A*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/25/2012*

Jeff Horton *09/25/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *Unit 2 Station Battery 2A*

Photographs

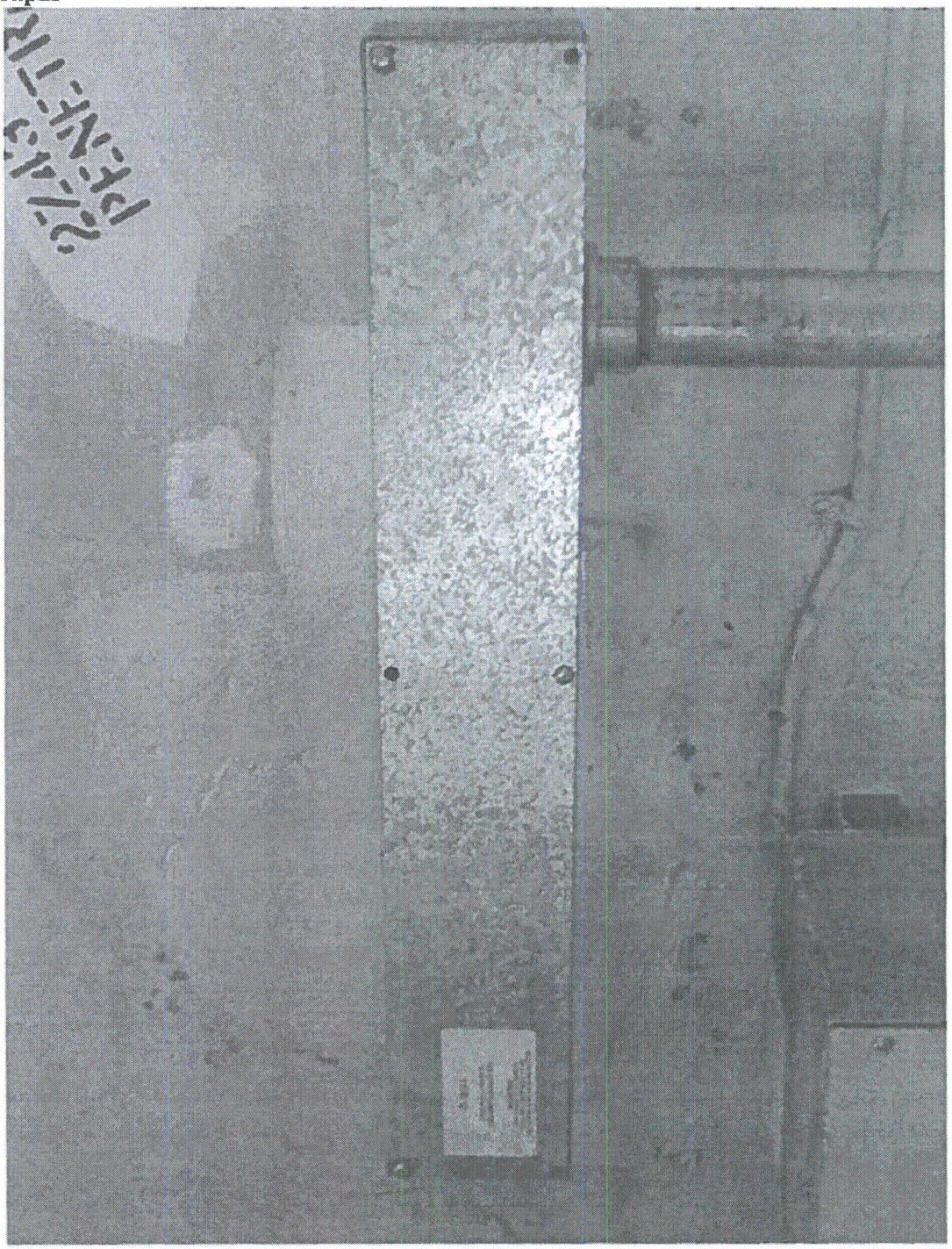


Figure 1 – Three Missing Cover Plate Screws (Unit 2 Station Battery Room 2A)

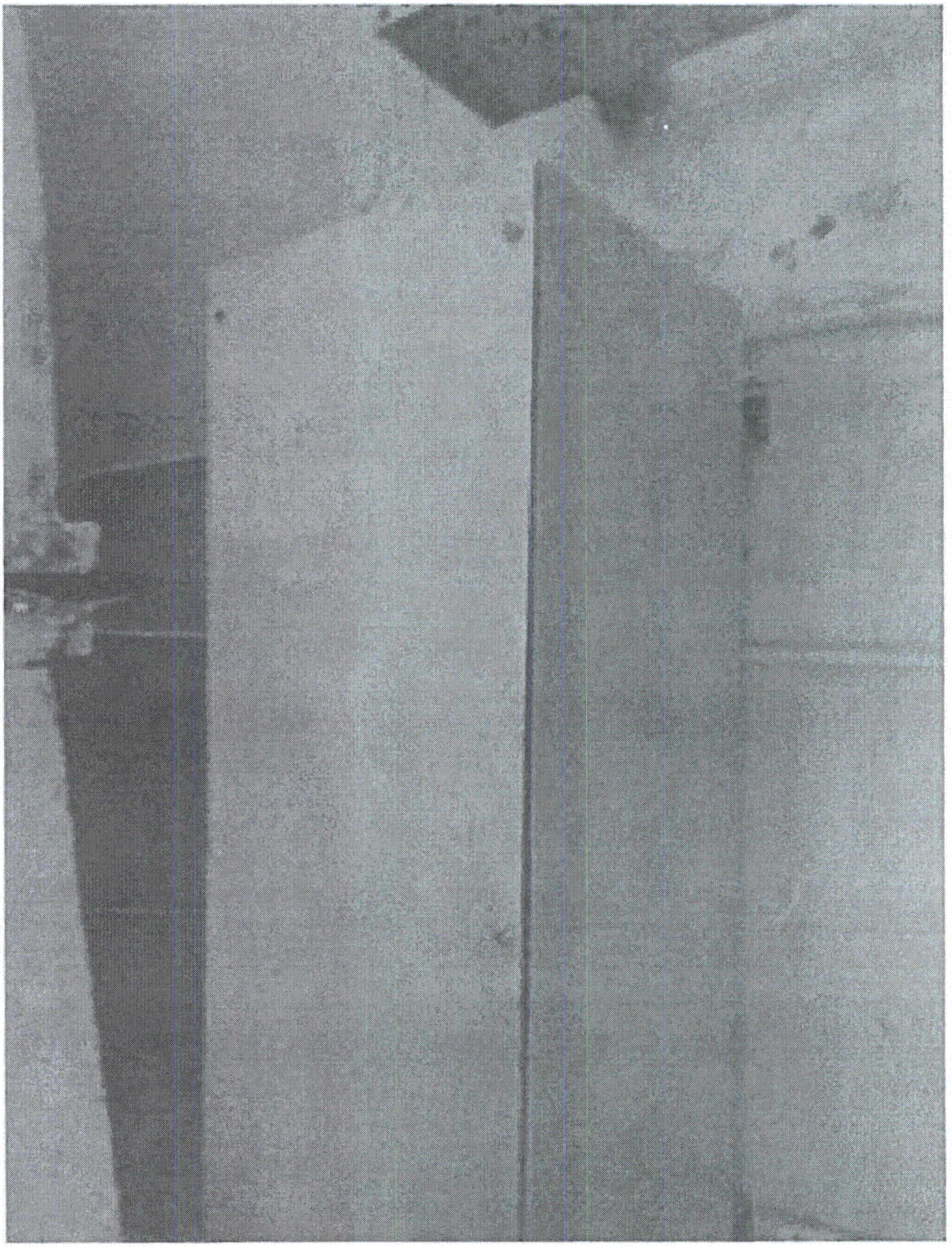


Figure 2 – One Missing Cover Plate Screws (Unit 2 Station Battery Room 2A)

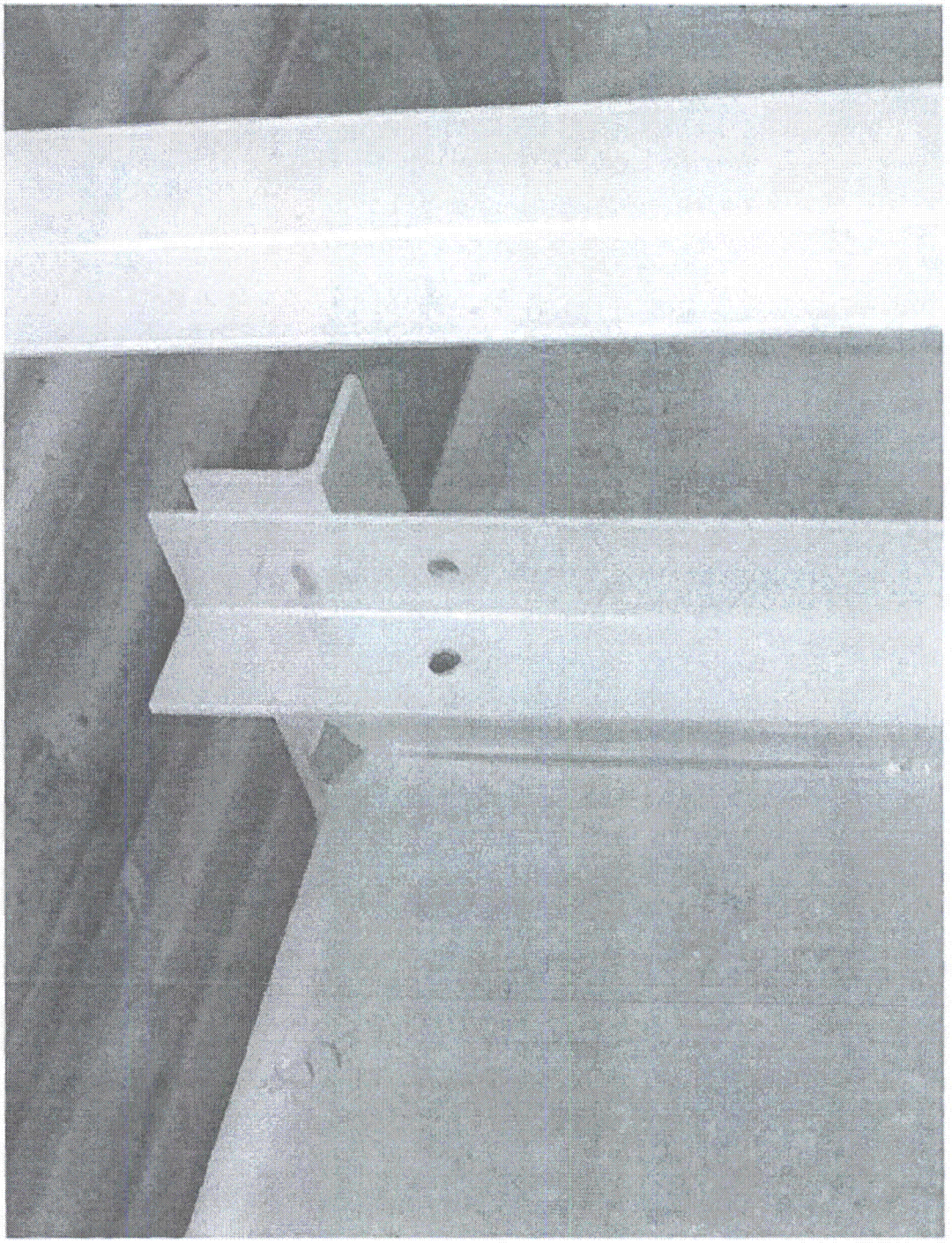


Figure 3 – Empty HVAC Bolt Hole (Unit 2 Station Battery Room 2A)