Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P70-A002B* Equip. Class[1] *0*

Equipment Description *Emergency N2 Bottle*

Location: Bldg. *REACTOR* Floor El. *130* Room, Area *RL-R9*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) *Drawing H-43368 Rev. 0* Y☒ N☐ U☐ N/A☐

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P70-A002B* Equip. Class[1] *0*

Equipment Description *Emergency N2 Bottle*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

There are several housekeeping issues with Emergency N2 Bottle Rack 1P70-A002B. There does not appear to be an NPL tag affixed to the rack to aid in identifying the item (CR 516094); there is a rolled up sheet of paper with a metal tool of some sort (it appears to be a wrench) in the top left tube steel horizontal member; there is a bottle cap sitting between two of the bottles at the base of the rack; and there is a bottle cap sitting in the back of the rack near the diagonal support. In addition, there is a section of chain at the back of the rack at the same location as the bottle cap. All of these items are small and relatively light. During a seismic event, it is likely that the items will move from their existing locations, but do not have the potential to strike anything other than the bottle rack supports due to the location of the rack and its distance from any safety related SSCs. Therefore, it is judged to have no potentially adverse seismic condition.

Evaluated by: *John McFarland* Date: *09/12/2012*

Jeff Horton *09/12/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P70-A002B* Equip. Class[1] *0*

Equipment Description *Emergency N2 Bottle*

Photographs

Tag missing, so no picture available.

Figure 1 – Equipment ID No (1P70-A002B)

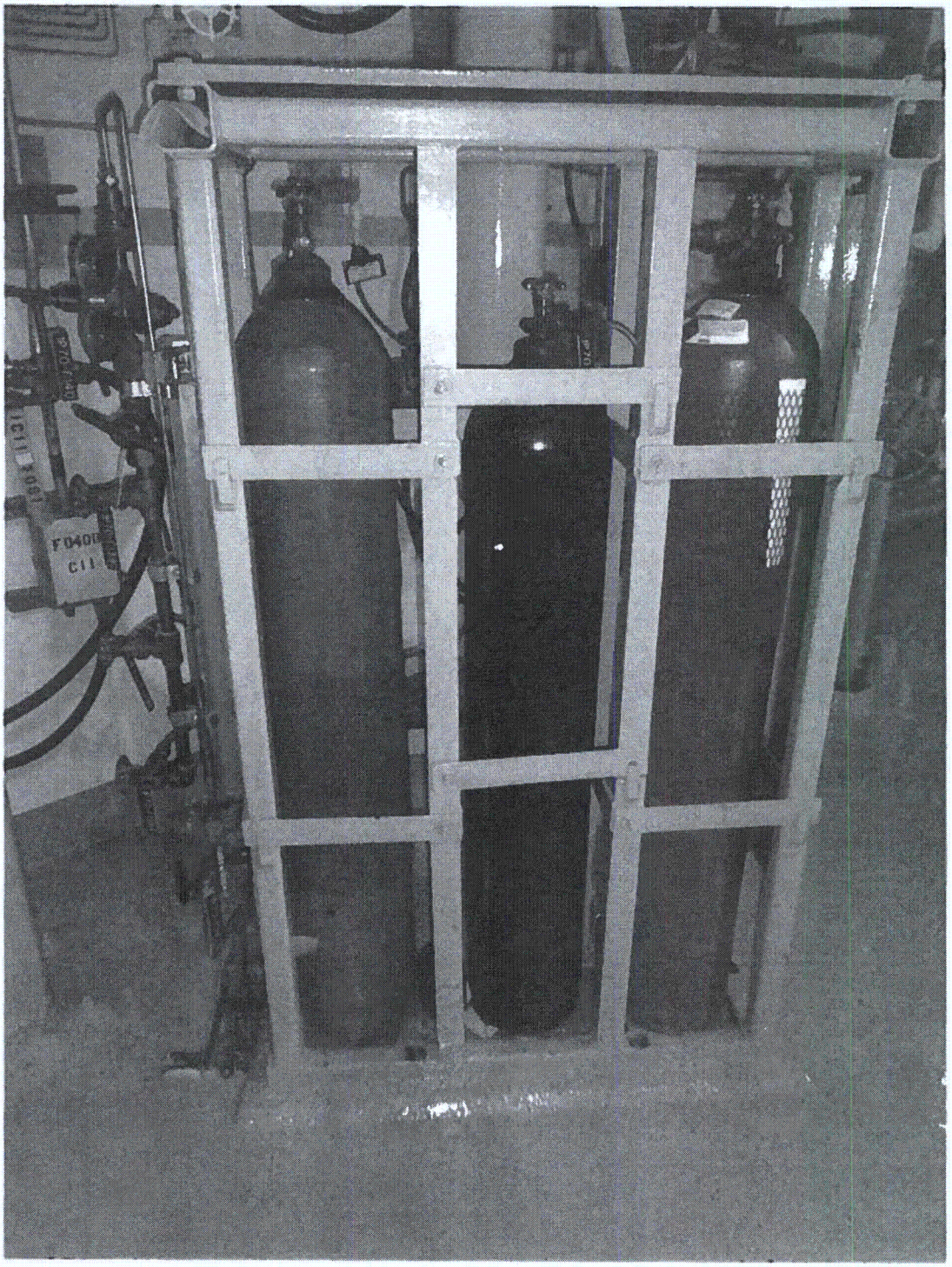


Figure 2 – Equipment Elevation (1P70-A002B)

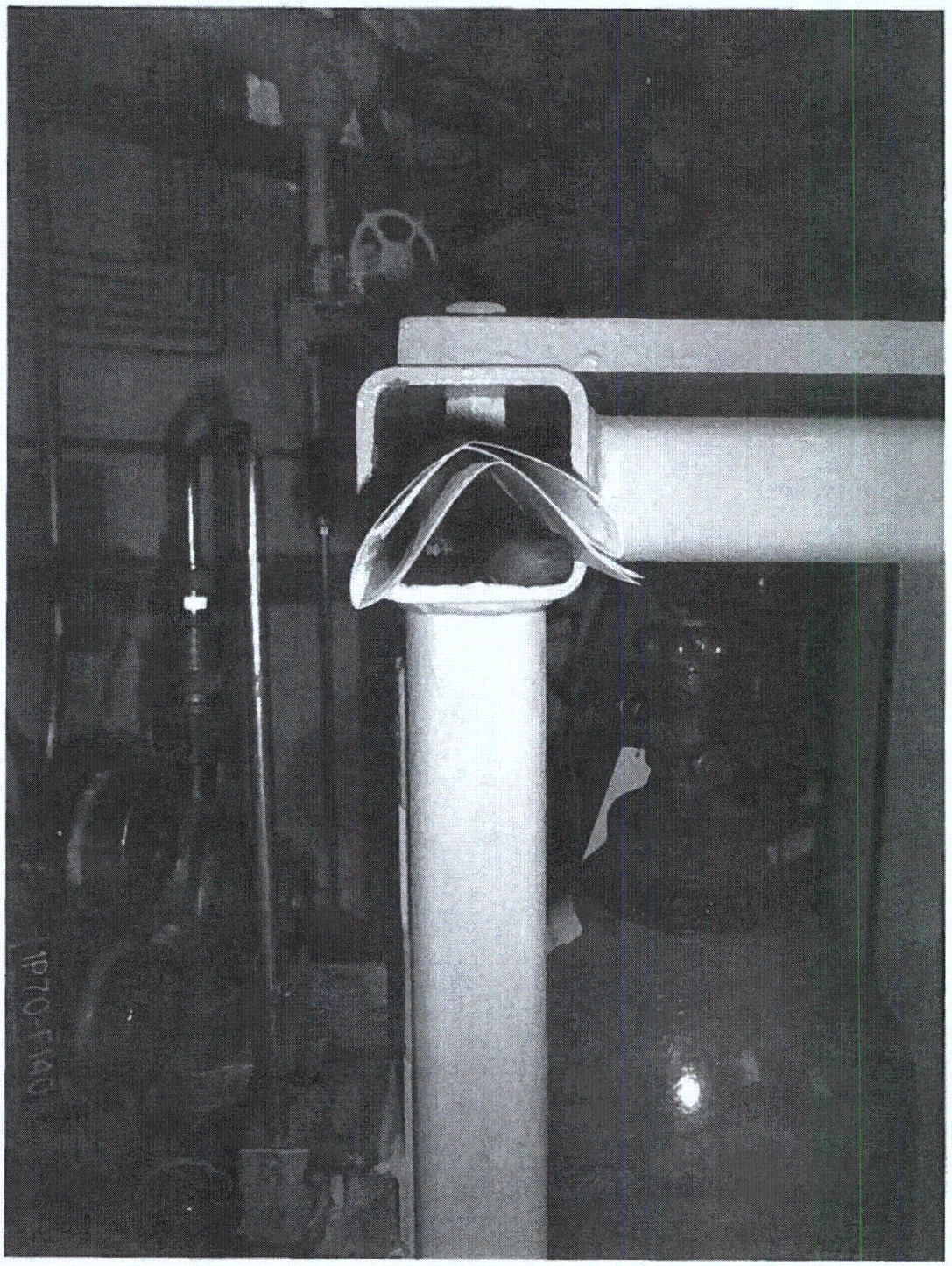


Figure 3 – Tool and Paper in Top Tube Steel Horizontal (1P70-A002B)

Figure 4 – Bottle Cap near Rack Base (1P70-A002B)

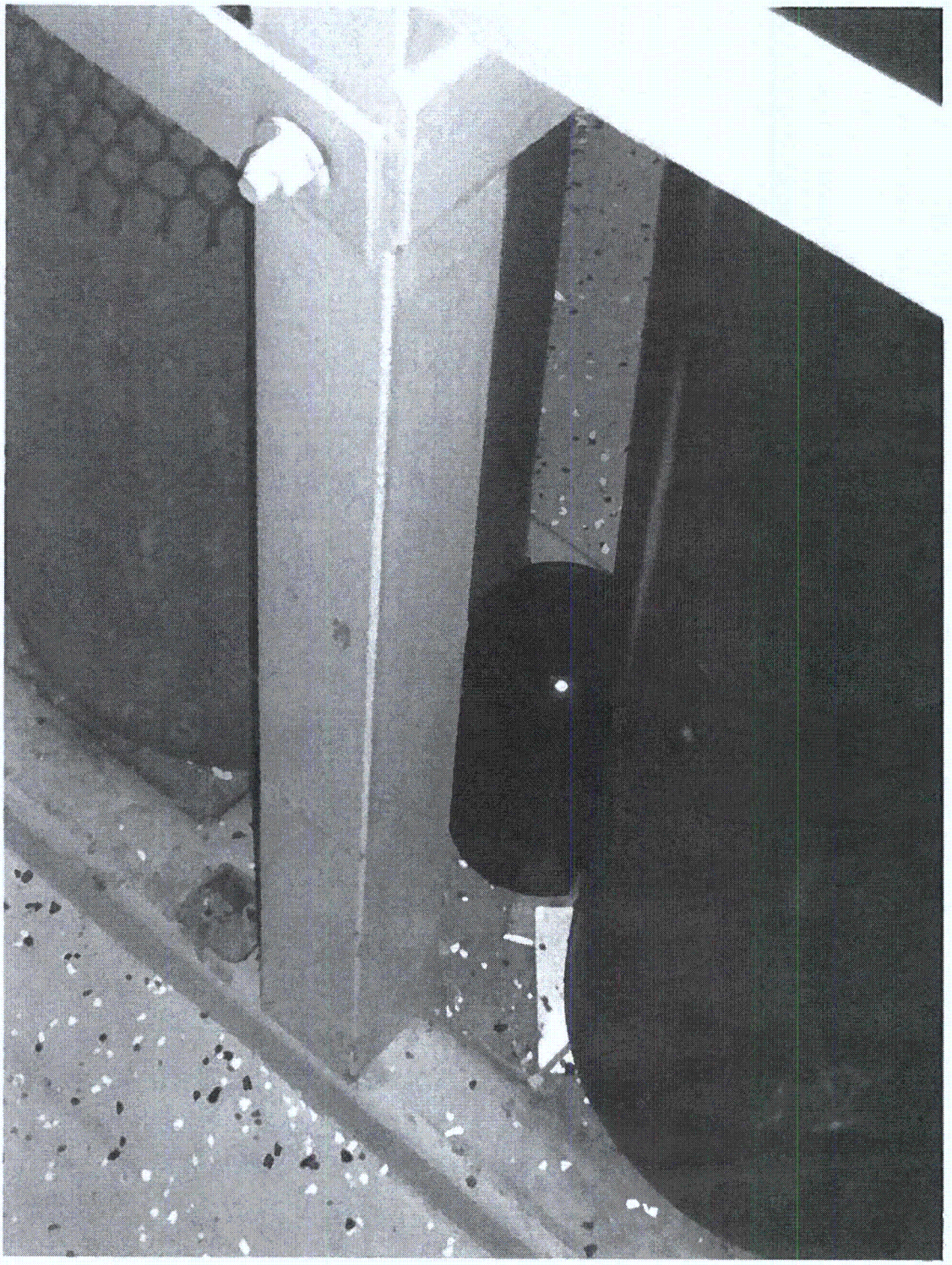


Figure 5 – Bottle Cap between Bottles (1P70-A002B)

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1Z41-F009B* Equip. Class[1] *0.7*

Equipment Description *AIR-ACTUATED DAMPER B003B IN*

Location: Bldg. *CONTROL* Floor El. *180* Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☐ N☒
   This component is a inline air operated HVAC Damper that is insulated. These components are manufacturer supplied components which come designed for seismic conditions described by the plant seismic response.
2. Is the anchorage free of bent, broken, missing or loose hardware? Y☐ N☐ U☐ N/A☒
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☐ N☐ U☐ N/A☒
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☐ N☐ U☐ N/A☒
   Inline air operated HVAC damper not anchored in concrete.
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No: *1Z41-F009B* Equip. Class[1] *0,7*

Equipment Description *AIR-ACTUATED DAMPER B003B IN*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   Scafolding above component is tied down and judged seismically adequate by the SWE's

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☐ N☒ U☐
    Because the duct is insulated at the damper flange connection the flange connection bolts could not be checked for broken, missing or loose hardware. All visible surfaces were inspected and no potential adverse conditions were found. Disassembly of the insulation would be required to inspect the flange connection bolts, which are not considered to be anchorage for the component.
    In addition, The seismic support of the Air Line identified as an IPEEE vulnerability described in DCR 93-055 has apparently not been completed because the Air pipe is not adequately supported for seismic loads. The end of the hard pipe needs to be attached to an existing Unistrut with a P2558 or equivalent 2 bolt pipe clamp (See Figures 4, 5 and 6 for details). CR 525292 has been written to address this condition.

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1Z41-F009B* Equip. Class[1] *0,7*

Equipment Description *AIR-ACTUATED DAMPER B003B IN*

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/26/2012*

Jeff Horton *09/26/2012*

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1Z41-F009B* Equip. Class[1] *0,7*

Equipment Description *AIR-ACTUATED DAMPER B003B IN*

Photographs

Figure 1 – Equipment ID No (1Z41-F009B)

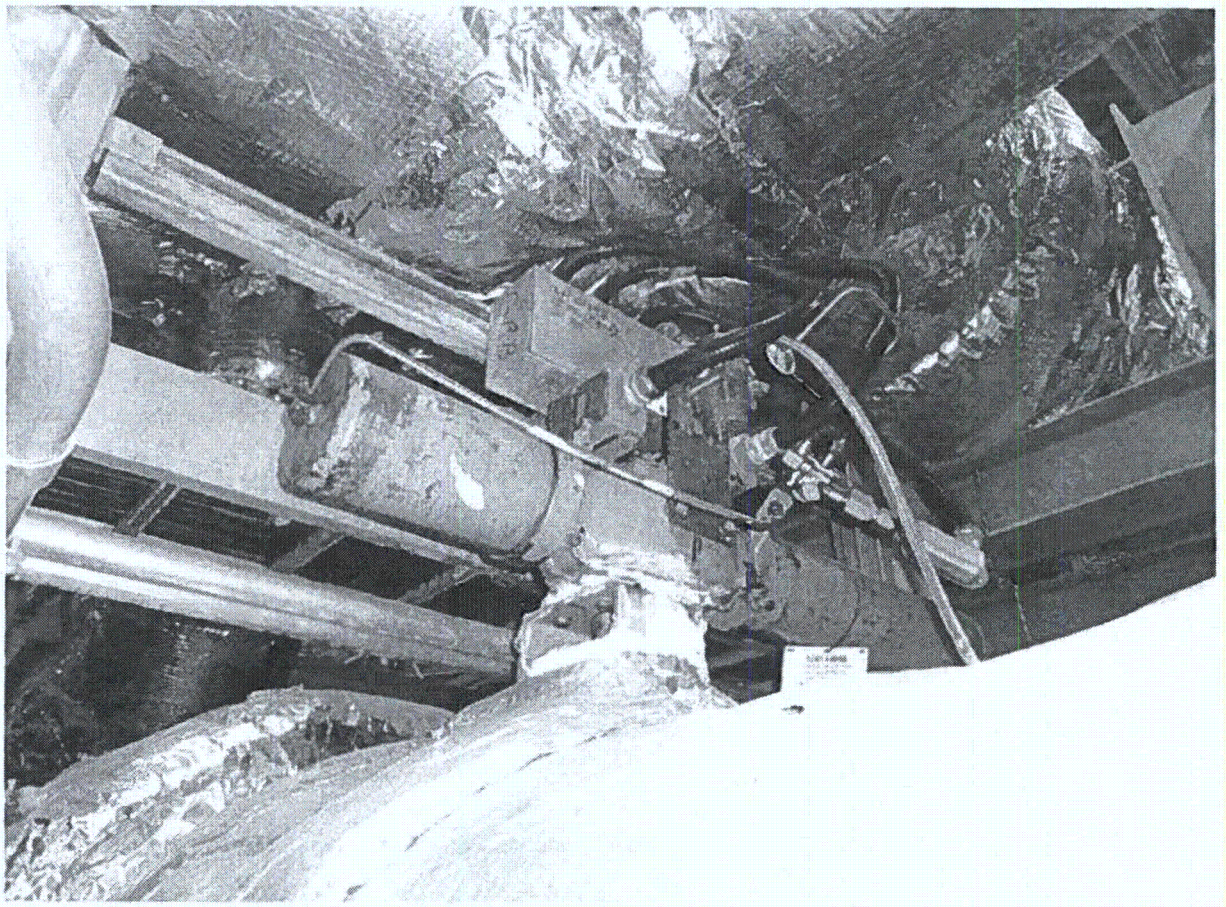


Figure 2 Component Picture

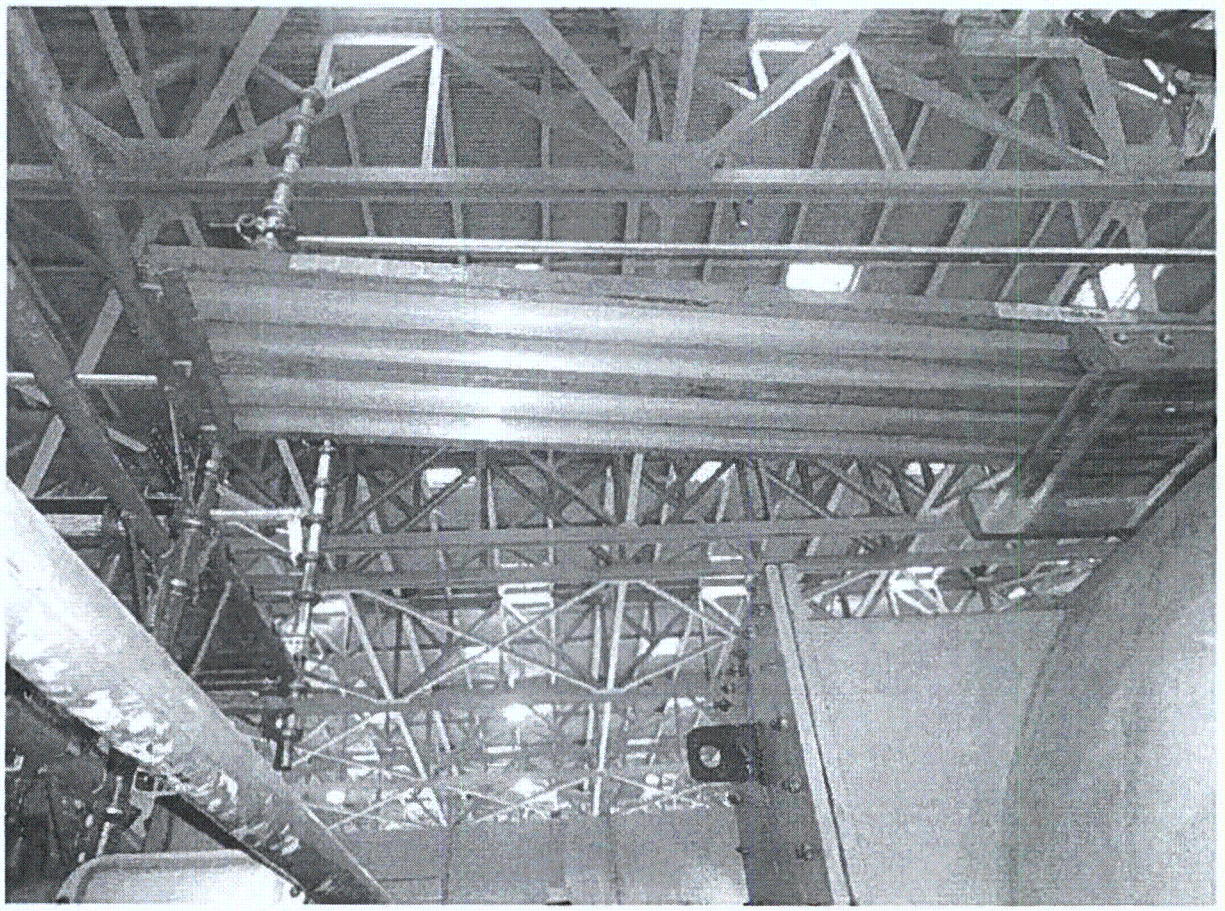


Figure 3 Scaffolding Above Component.

Figure 4 Missing Support on Air Line Hard Pipe to Valve 1Z41-F009B

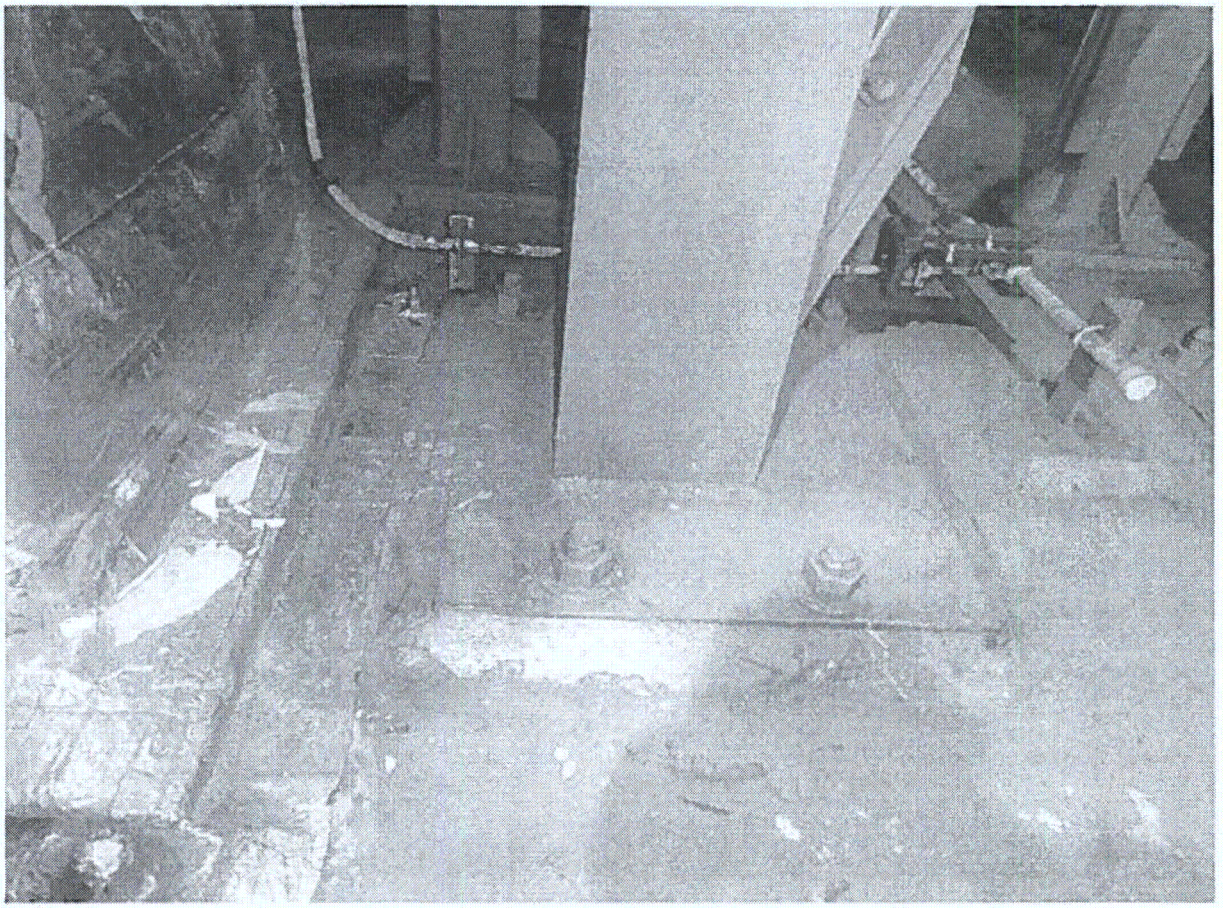


Figure 5 Air Line Pipe to Valve 1Z41-F009B at Floor Level showing Pipe Supports

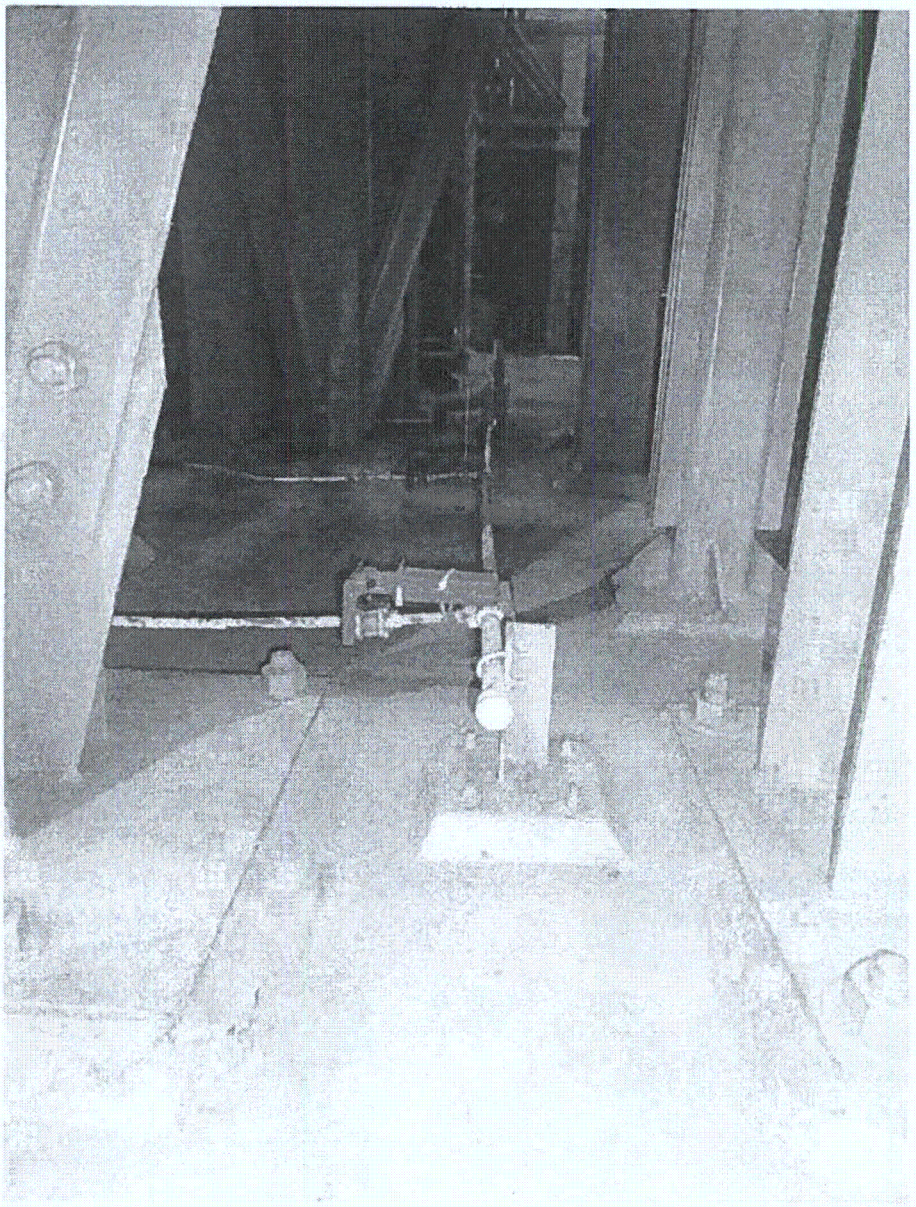


Figure 6 Air Line to Valve 1Z41-F009B at Floor Level showing additional Pipe Supports

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1E21-C001A* Equip. Class[1] *5*

Equipment Description *Core Spray Pump 1A*

Location: Bldg. *REACTOR* Floor El. *87* Room, Area *SE Diagonal*

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
   Dwgs. H-15138 Rev. 6 and H-15019 Rev. 7

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1E21-C001A* Equip. Class[1] *5*

Equipment Description *Core Spray Pump 1A*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐
   There is a flexible conduit section between the top of the pump and a rigid conduit section above the pump that is fairly tight. It is judged that the flex conduit can deflect 1" without putting significant stress on the conduit. SWE's judge that the pump will move less than 0.5" during a seismic event due to the elevation and rigidity of the equipment. Calculation SCNH-91-069 Rev. 0 for the adjacent RHR pump of the same type gives a maximum pump deflection of less than 0.2" at the top of the pump. Therefore, it is judged that the line has adequate flexibility for the pump seismic deflections.

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Since the component extends between two grating platforms, Area Walk-bys were performed for both EL. 87'-0" and EL. 95'-0".

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

Jeff Horton *09/06/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1E21-C001A* Equip. Class[1] *5*

Equipment Description *Core Spray Pump 1A*

Photographs

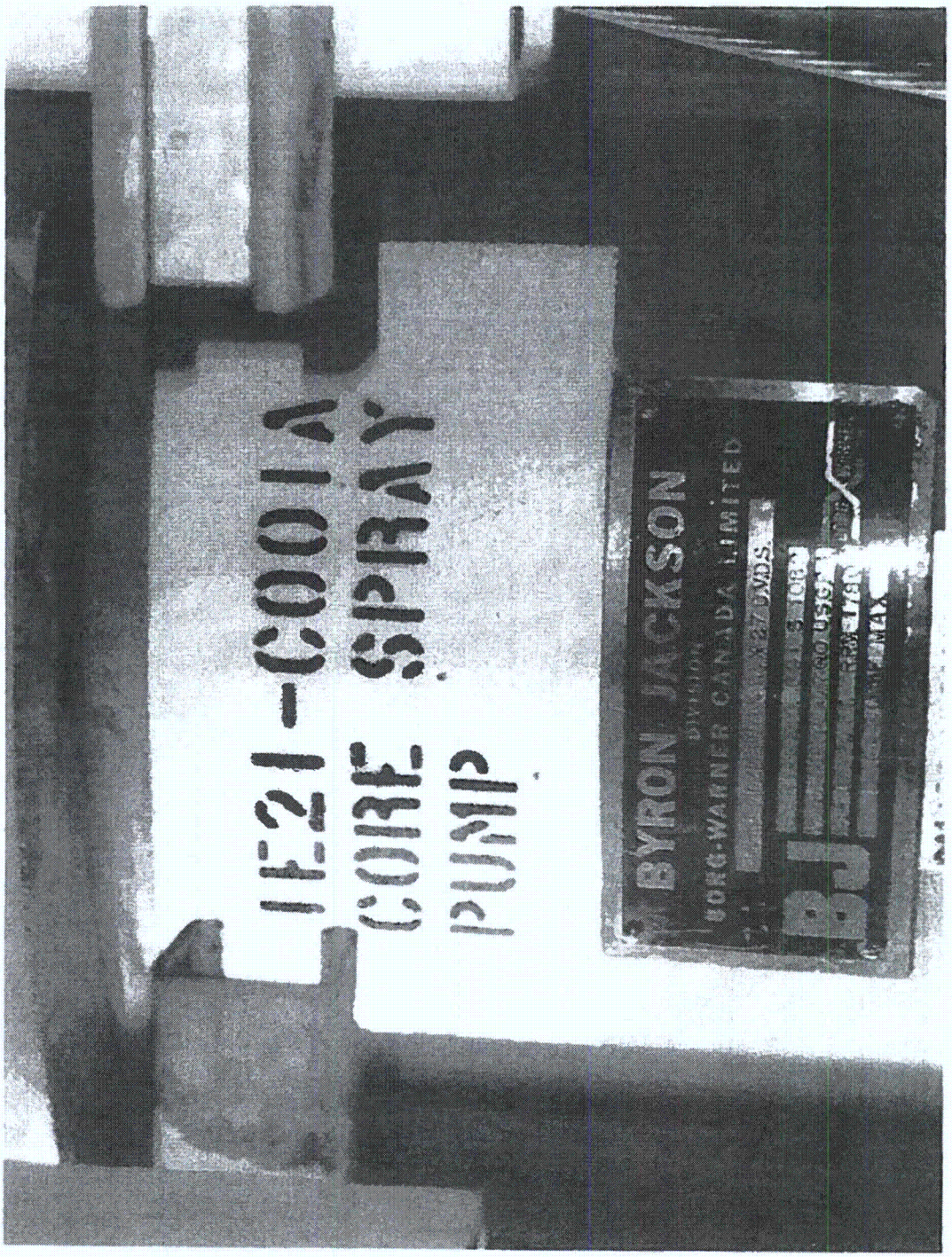


Figure 1 – Equipment ID No (1E21-C001A)

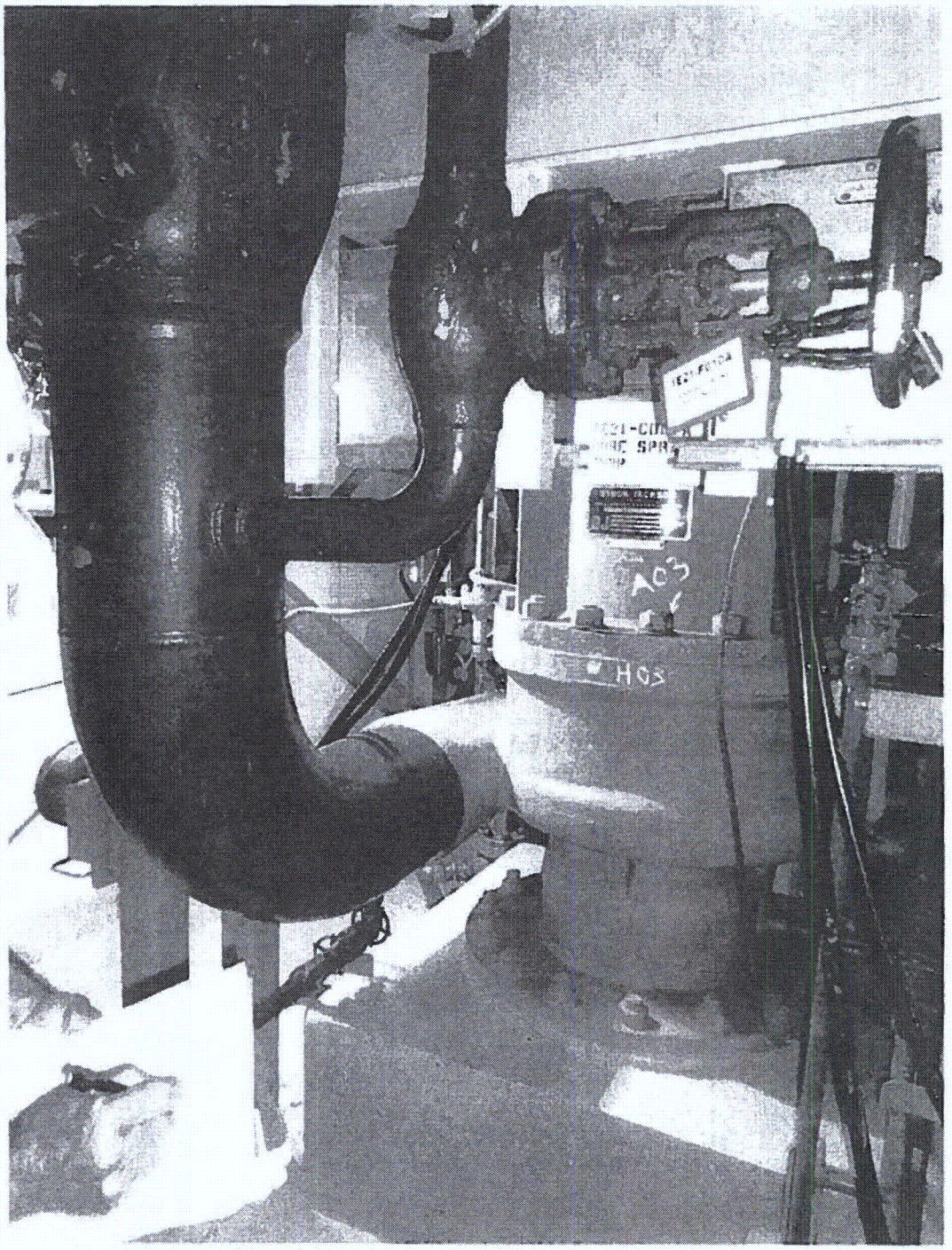


Figure 2 – Equipment Elevation (1E21-C001A)

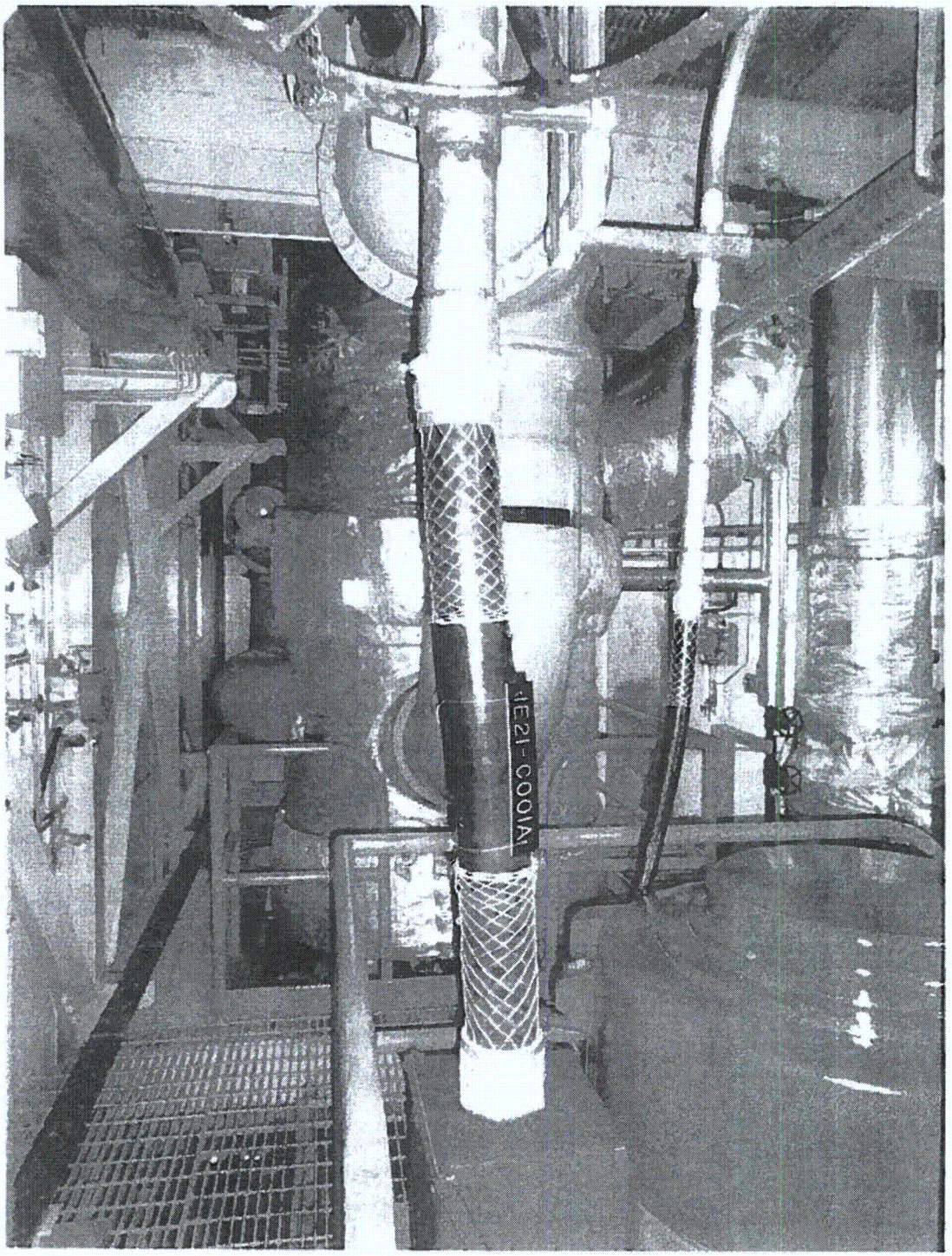


Figure 3 – Attached Flex Conduit (1E21-C001A)

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1H11-P652* Equip. Class[1] *20*

Equipment Description *Elec. Aux. PWR Control Console*

Location: Bldg. *CONTROL* Floor El. *164* Room, Area *Unit 1 Control Room*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐

The as-found anchorage configuration is consistent with SEWS package (Dated: 10/23/1988). All anchors were determined to be installed and free of adverse seismic conditions.

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1H11-P652* Equip. Class[1] *20*

Equipment Description *Elec. Aux. PWR Control Console*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☐ N☒ U☐ N/A☐
   Long florescent light bulbs inside the panel have no covers or restraints. The florescent light bulbs may become loose during a seismic event and impact wires and components inside the cabinet. According to the SEWS package, this panel contains essential relays that could be potentially impacted. CR # 520462 was initiated to evaluate and resolve this condition.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   A ladder was used and permission obtained to remove the ceiling panels near 1-H11-P652. The frames for the ceiling tiles are judged to be adequate to prevent the tiles from falling during a seismic event. The overhead equipment, distribution systems, and lighting were installed with rigid restraints or rod hung with multiple tie wires to limit horizontal movement. The tie wires are also consistent with the IPEEE outlier resolution to prevent the light fixtures from falling (DCR 90-010).

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1H11-P652* Equip. Class[1] *20*

Equipment Description *Elec. Aux. PWR Control Console*

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

There were no bolts at rear vertical side connection of Panel 1-H11-P652 to Panel 1-H11-P651. Five bolts were intalled in the middle vertical support member. Also, the bottom bolt on the rear vertical side connection of Panel 1-H11-P652 to Panel 1-H11-P600 does not have full thread engagement. Only approximately 2 threads are engaged in the nut (See Picture #3). All other bolts were properly installed. The details of these connections are not specified in the available design documents. Per review of the SEWS package, the panel weight is conservatively approximated to be 8300lbs. The maximum horizontal acceleration of the panel is 0.75g. The evaluation included in the SEWS package concluded that the floor anchors have sufficient capacity to resist the maximum horizontal acceleration. Therefore, the bolts which connect the panels are required to only restrain the cabinets so that there is no differential movement and consequent banging of the panels.

Both sides of Panel 1-H11-P652 are also attached to the adjacent panels at the lower front sides with two 5/8" diameter bolts. The loading of the sides of the panels are distributed due to the attached terminal strips, electrical components and wires. There are no significant concentrated loads at the rear edge of the panels. Therefore, considering the maximum capacity of the existing bolts (5/8" diameter), the loads associated with differential movement of the cabinets are judged to be adequately restrained. The rear vertical connection of Panel 1-H11-P652 to Panel 1-H11-P652 does not need to be enhanced and the bolt with less than optimal thread engagement does not need to be replaced.

Other Adverse Conditions

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

Components inside the panel were inspected visually in accordance with the direction provided in the FAQ related to opening panels.

Comments (Additional pages may be added as necessary)

None

Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1H11-P652* Equip. Class[1] *20*

Equipment Description *Elec. Aux. PWR Control Console*

Evaluated by: *Winston Stewart* Date: *09/19/2012*

Kursat Kinali *09/19/2012*

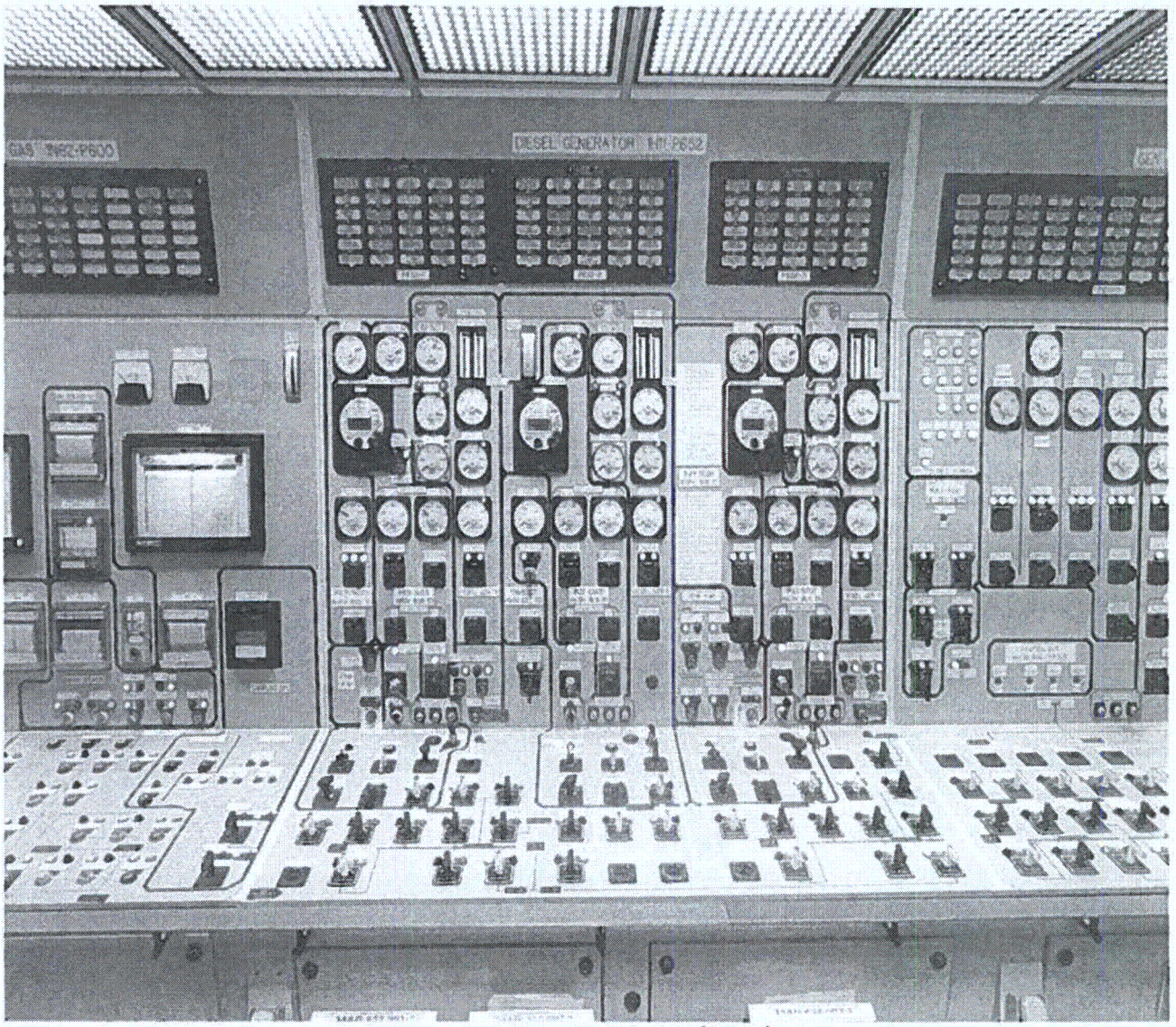
Status: Y☐ N☒ U☐

Seismic Walkdown Checklist (SWC)

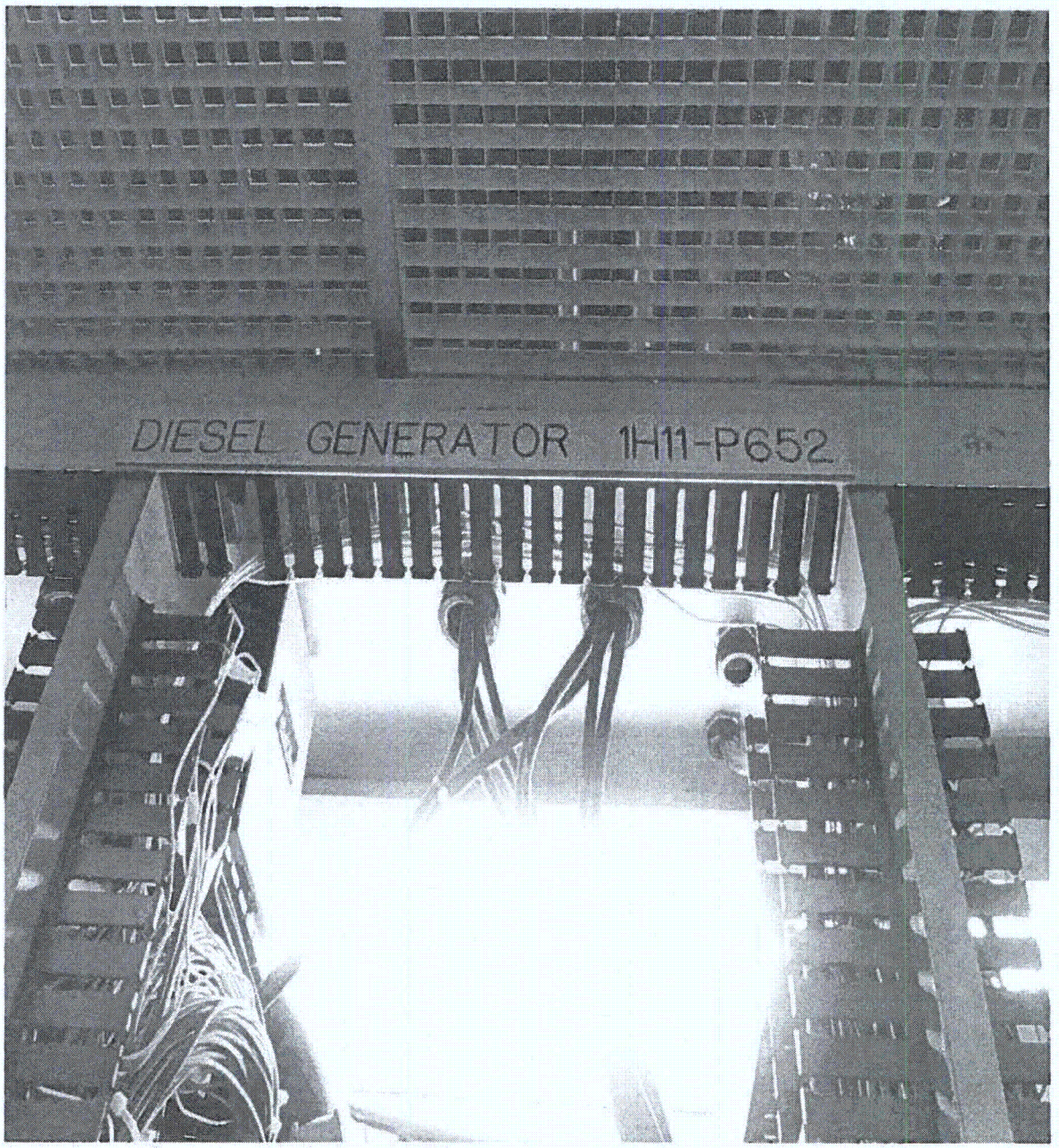
Equipment ID No. *1H11-P652* Equip. Class[1] *20*

Equipment Description *Elec. Aux. PWR Control Console*

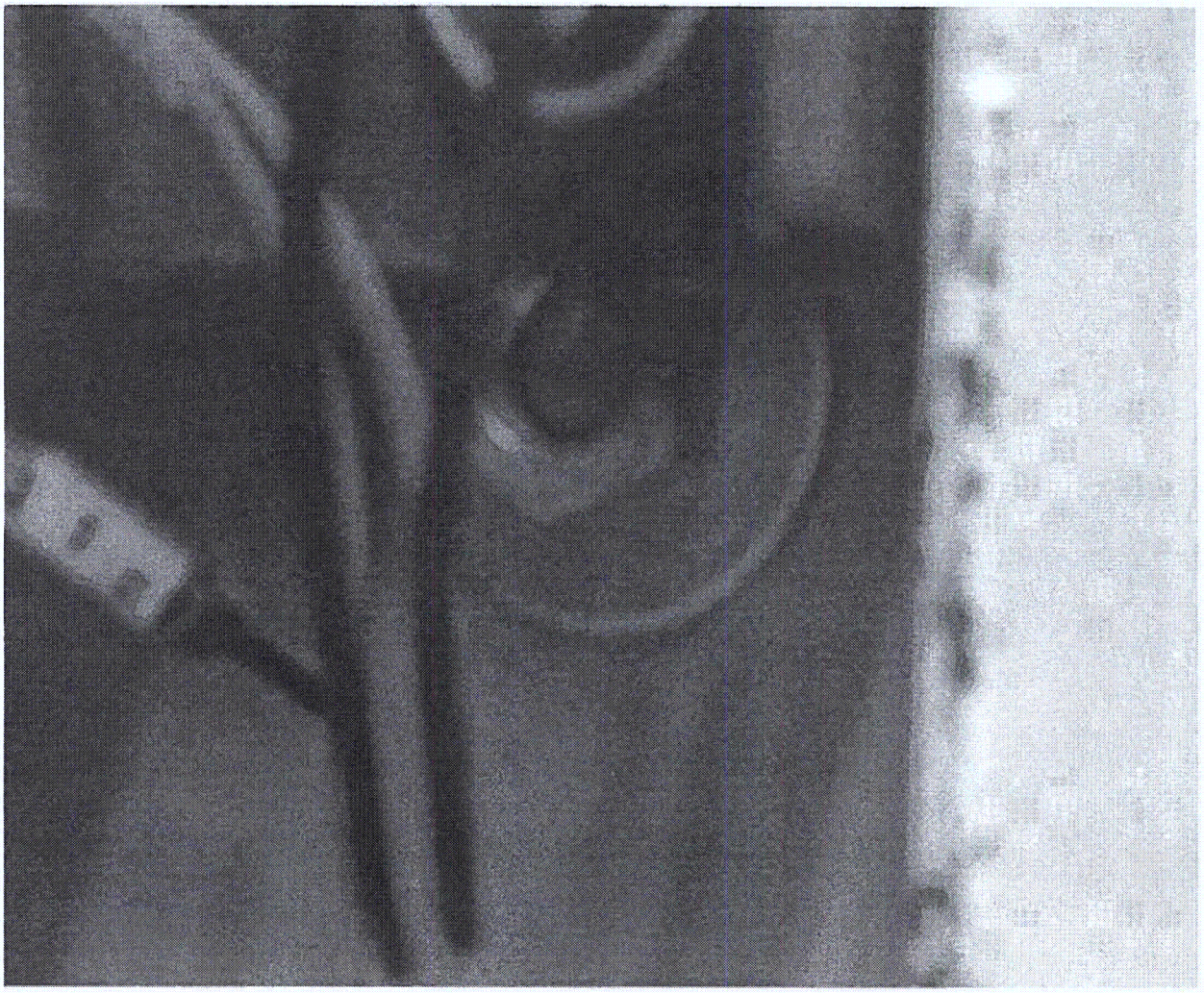
Photographs



1: Equipment MPL# 1H11-P652 (front)



2: Equipment MPL# 1H11-P652 (back)



3: Lack of Thread Engagement

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S028* Equip. Class[1] *16*

Equipment Description *125V BATTERY CHARGER 1C*

Location: Bldg. *CONTROL* Floor El. *130* Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐
   Small amount of surface roughness on the concrete that has no effect on the anchor embedment. Therefore, the SWE's have determined that this has no effect on the seismic capacity of the anchorage.

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☒ N☐ U☐ N/A☐
   Calculation SCNH-91-026 Rev. 2

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S028* Equip. Class[1] *16*

Equipment Description *125V BATTERY CHARGER 1C*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   The seismic capacity of the concrete block walls C130-009A, C130-010B, C130-011A and C130-012B were verified using Drawing H-40383, Rev. 2 and Hatch Unit 2 UFSAR Table 3.8-20.

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐
    Components inside the battery charger were inspected visually in accordance with the direction provided in the FAQ related to opening panels per Work Order SNC436314. There is one empty hole at the top of the battery charger for an additional grounding line that is not being utilized, so no bolt is missing from the hole. Therefore, this is not a potentially adverse seismic condition, and no other potentially adverse seismic conditions were identified.

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☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S028* Equip. Class[1] *16*

Equipment Description *125V BATTERY CHARGER 1C*

Photographs

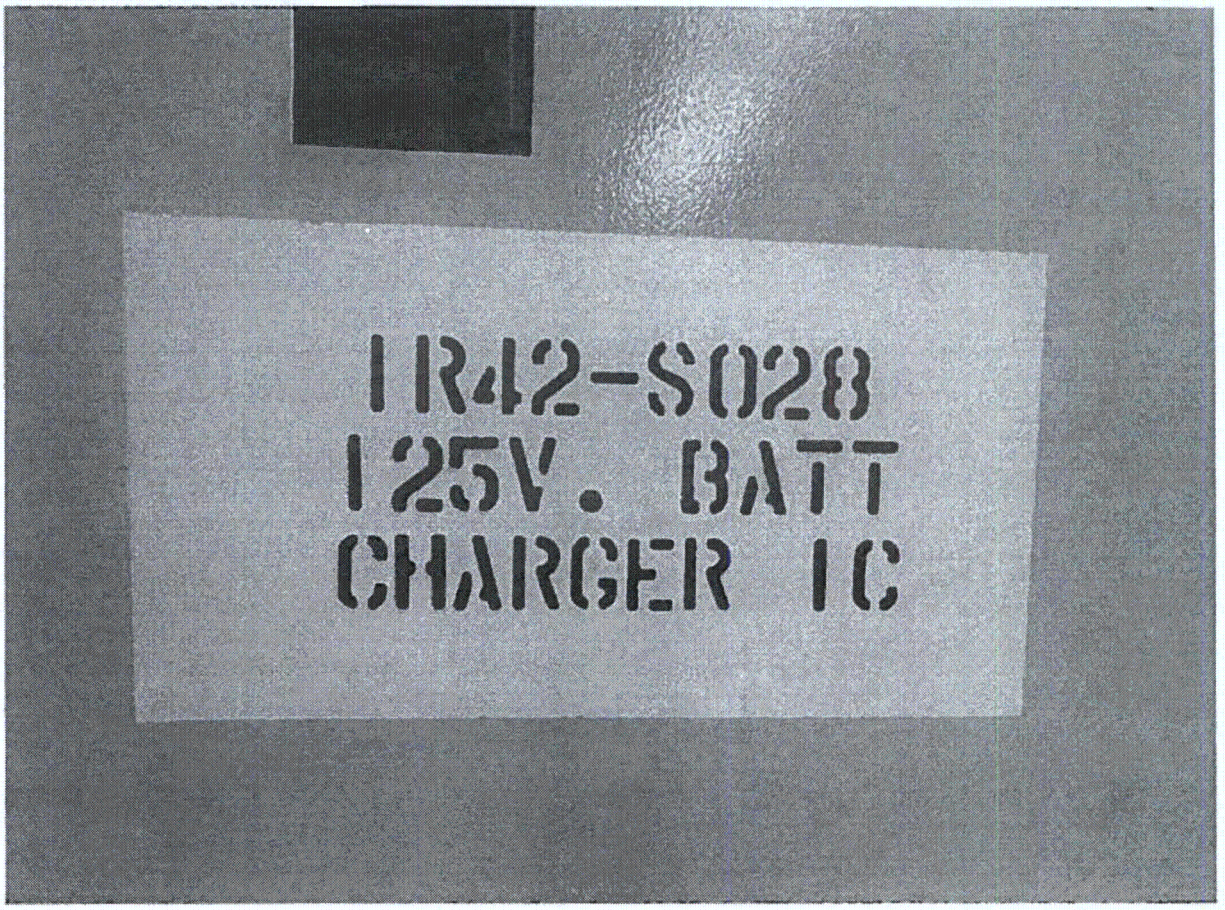


Figure 1 Equipment ID 1R42-S028

Figure 2 Component Picture

Figure 3 Concrete Surface Roughness under Charger

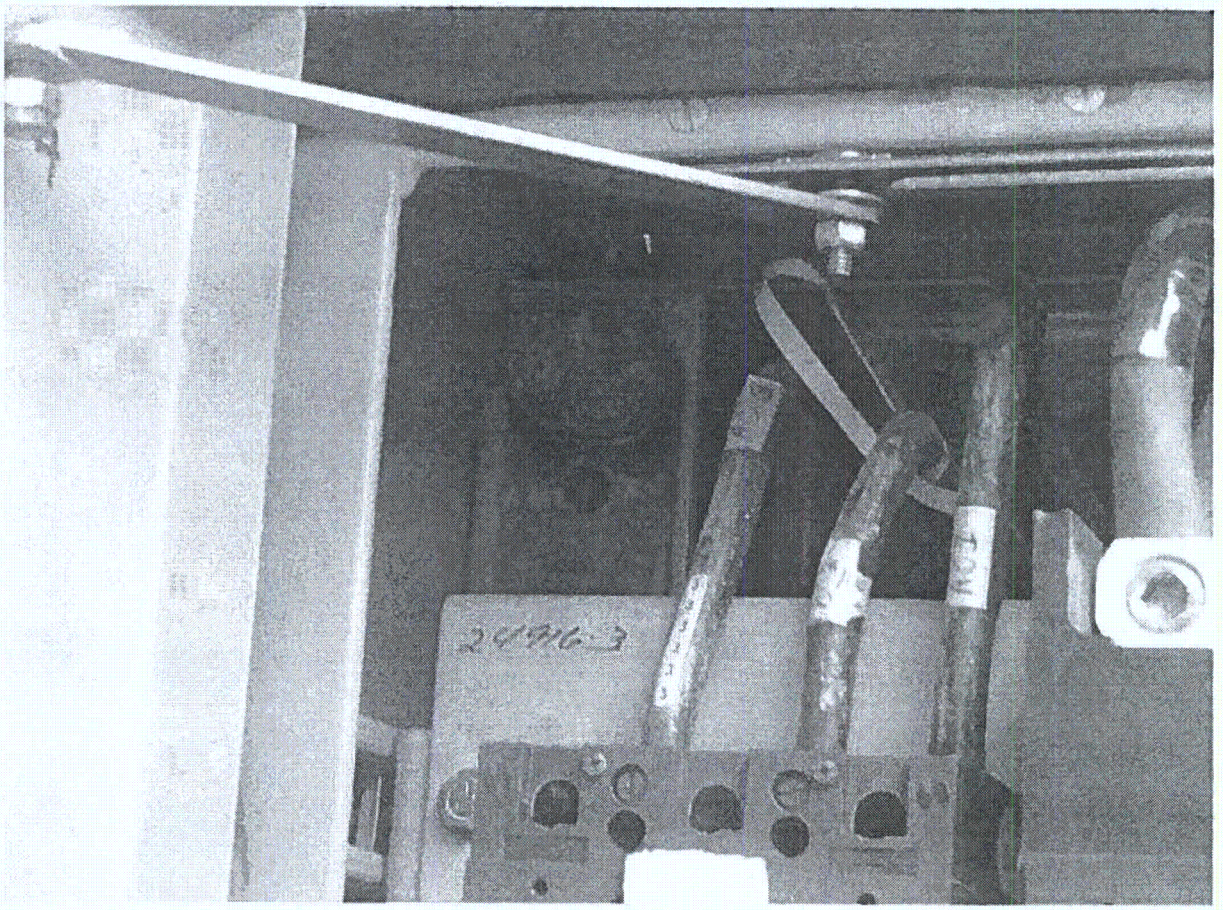


Figure 4 Empty Grounding Line Socket

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S057* Equip. Class[1] *16*

Equipment Description *BATTERY CHARGER 1AB*

Location: Bldg. *CONTROL* Floor El. *130* Room, Area

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S057* Equip. Class[1] *16*

Equipment Description *BATTERY CHARGER 1AB*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐
   The seismic capacity of the concrete block wall C130-050A which the Battery Charger is anchored and the closest remaining concrete block wall C130-047F were verified using Drawing H-40383, Rev. 2 and Hatch Unit 2 UFSAR Table 3.8-20.

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐
   The conduit interconnecting the chargers shown in Figure 3 is not a seismic concern because the chargers are anchored to the same wall so there will be no seismic differential movements between the two Battery Chargers.

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐
    Components inside the battery charger were inspected visually in accordance with the direction provided in the FAQ related to opening panels per Work Order SNC436314. No potentially adverse seismic conditions were identified.

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☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1R42-S057* Equip. Class[1] *16*

Equipment Description *BATTERY CHARGER 1AB*

Photographs

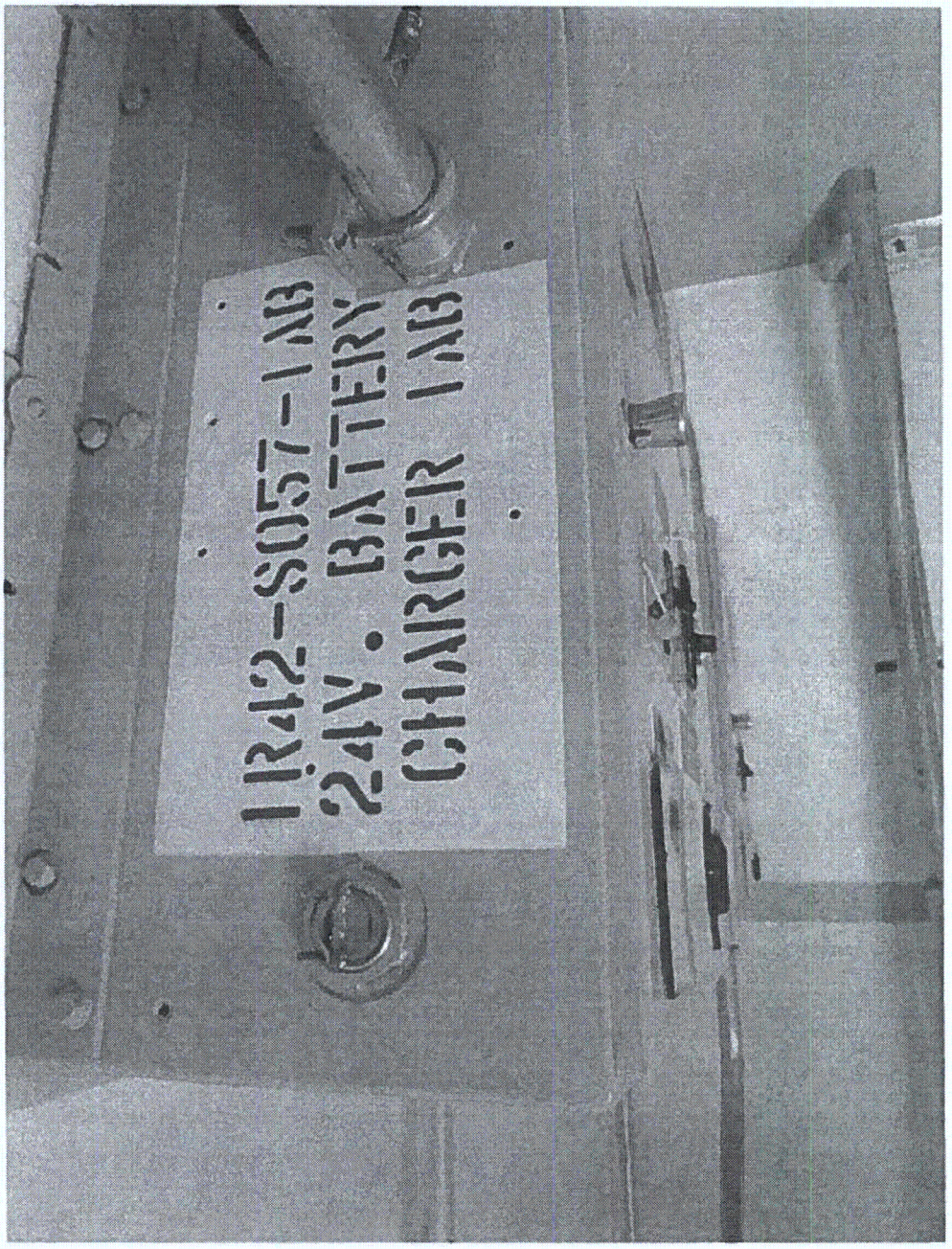


Figure 1 Equipment ID: 1R42-S057

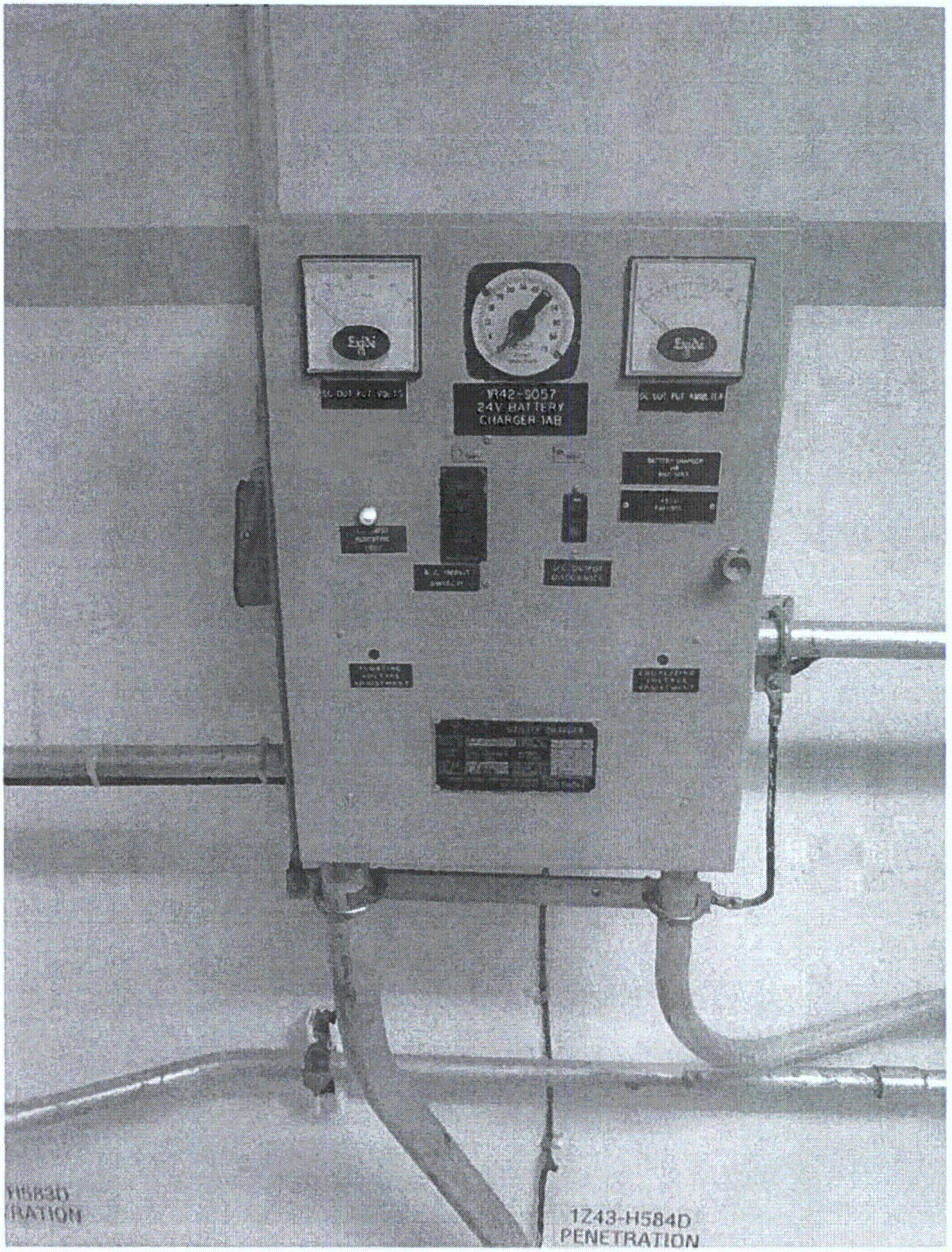


Figure 2 Component Picture

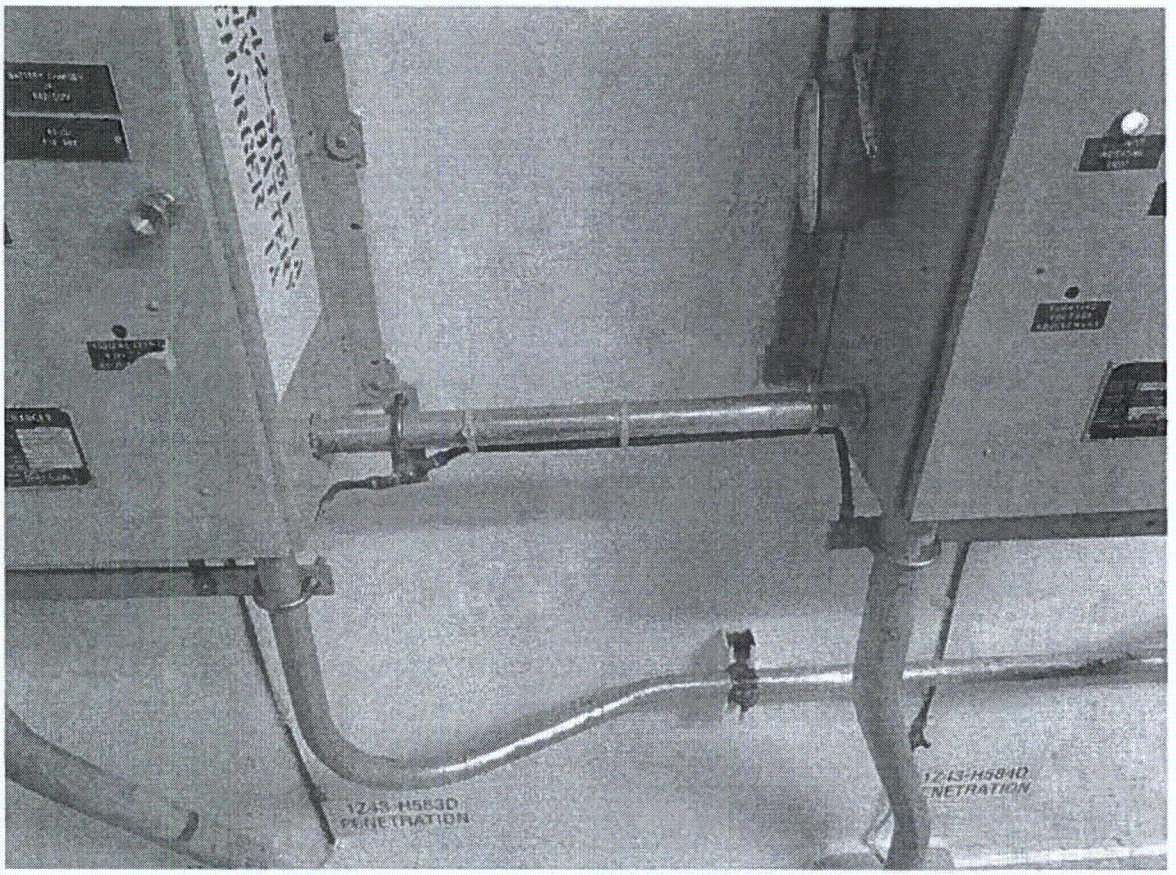


Figure 3 Conduit Tied between Battery Chargers on the same wall

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P52-A001* Equip. Class[1] *1*

Equipment Description *ESS Air ACC*

Location: Bldg. *REACTOR* Floor El. *130* Room, Area *Torus Room Bay 3*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☒ N☐ U☐ N/A☐
   The equipment is an inline component, so there is no anchorage.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☒ N☐ U☐ N/A☐

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P52-A001* Equip. Class[1] *1*

Equipment Description *ESS Air ACC*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐
There is a fall protection strap left on the ESS Air ACC (CR 519465). The strap is wedged between the component and the support steel and is not attached to any other fall protection equipment. It appears that the strap could not be removed from the support and was abandoned. The strap is very light and is not near any sensitive parts of the component, so it is judged that the strap does not have the ability to create a potentially adverse seismic condition.

Comments (Additional pages may be added as necessary)

There does not appear to be an MPL tag affixed to the ESS Air ACC 1P52-A001 to aid in identifying the item (CR 519468).

Evaluated by: *John McFarland* Date: *09/17/2012*

Jeff Horton *09/17/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P52-A001* Equip. Class[1] *1*

Equipment Description *ESS Air ACC*

Photographs

There is no MPL number, so this picture is not available.

Figure 1 – Equipment ID No (1P52-A001)

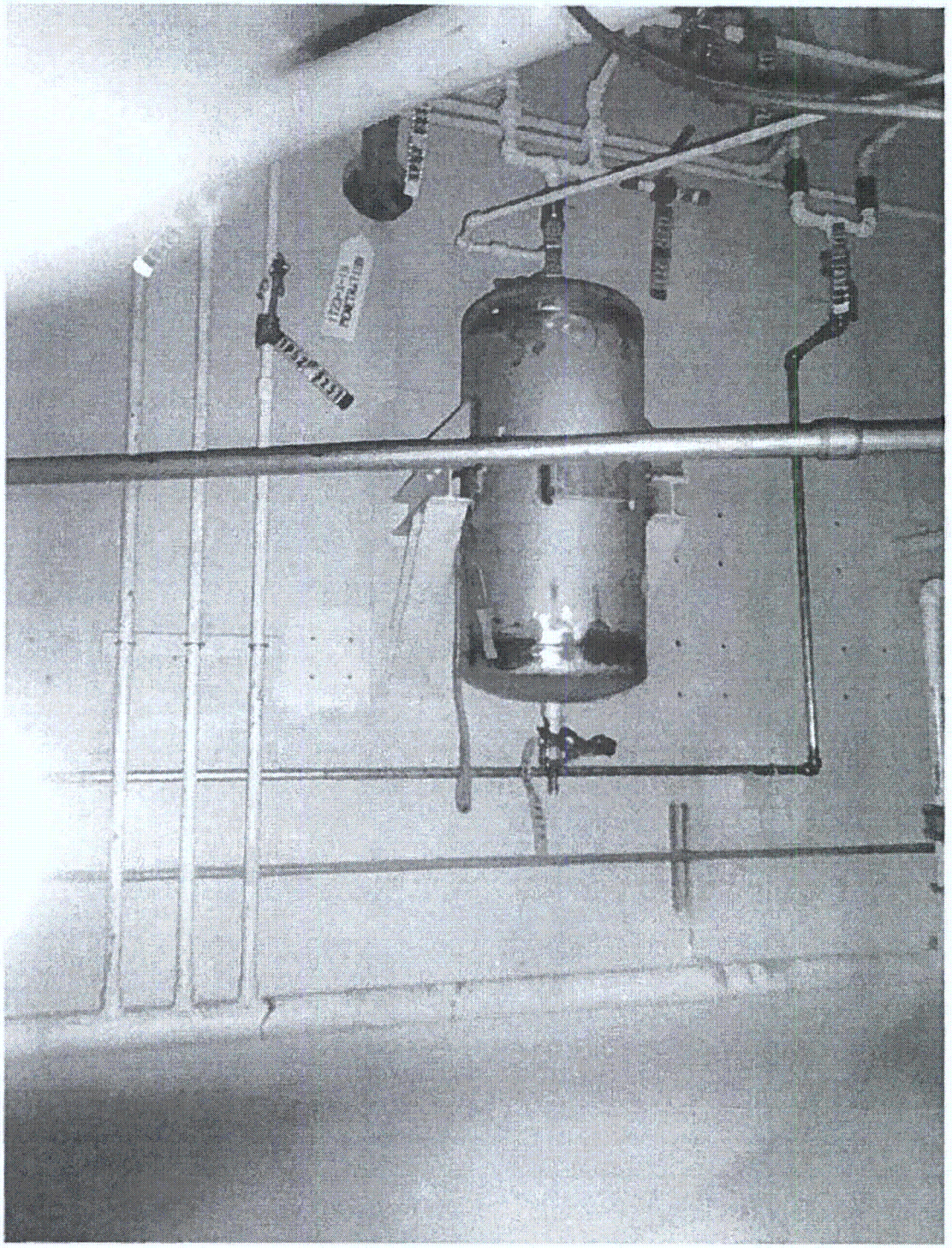


Figure 2 – Equipment Elevation (1P52-A001)

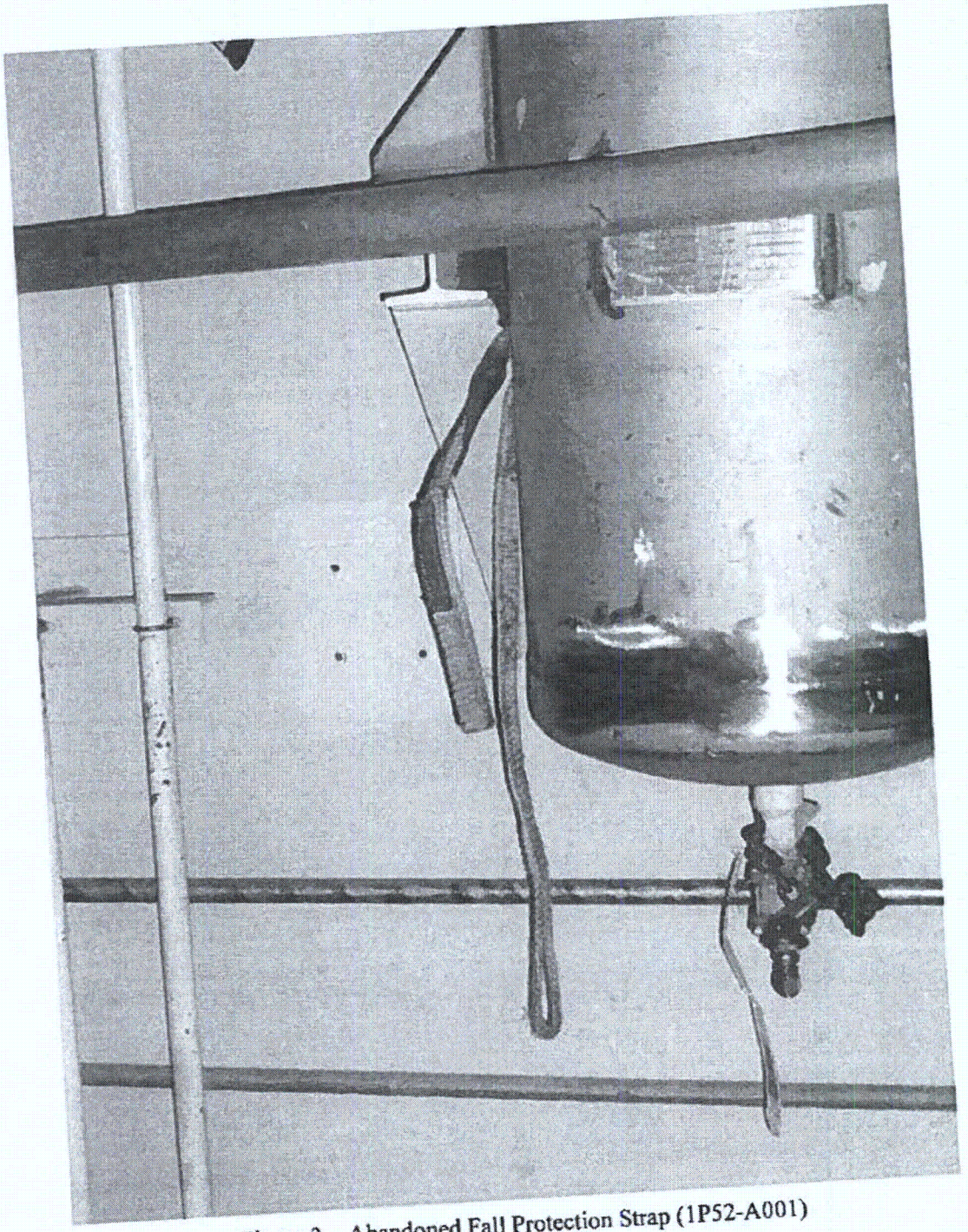


Figure 3 – Abandoned Fall Protection Strap (1P52-A001)

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F548* Equip. Class[1] *0*

Equipment Description *TORX CAV/FUEL PL GT SEAL*

Location: Bldg. *REACTOR* Floor El. *228* Room, Area *Refueling Floor*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☐ N☒
   This is an in-line component and has no anchorage.

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☐ N☐ U☐ N/A☒

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☐ N☐ U☐ N/A☒

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☐ N☐ U☐ N/A☒

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F548* Equip. Class[1] *0*

Equipment Description *TORX CAV/FUEL PL GT SEAL*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Some parts of the line is wrapped in duct tape. This is judged not to be a seismic concern. Area walk by was performed within the package for 1P51-F555.

Evaluated by: *KURSAT KINALI* Kursat Kinali Date: *9/18/2012*

WESLEY WILLIAMS Wesley A. Williams *9/18/2012*

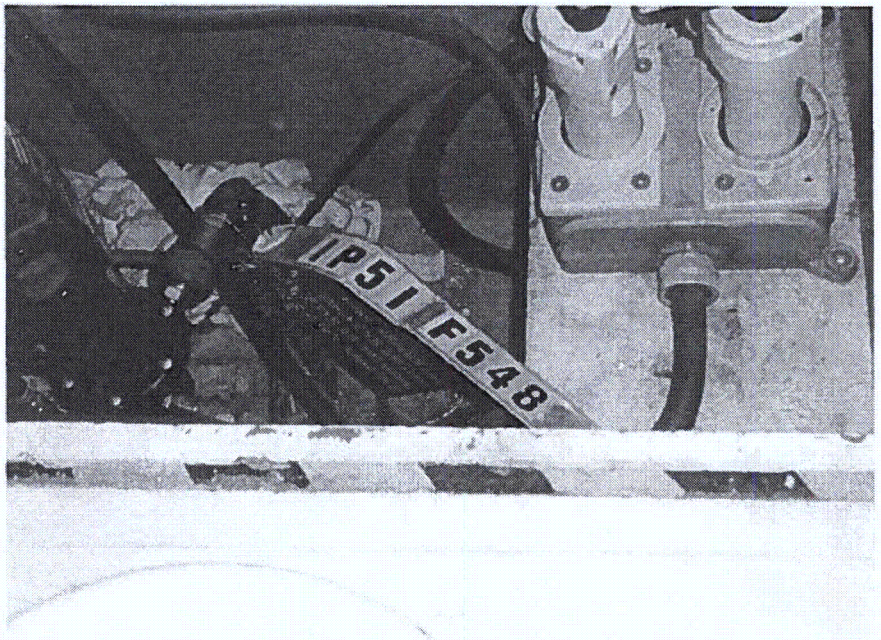
Status: Y☒ N☐ U☐

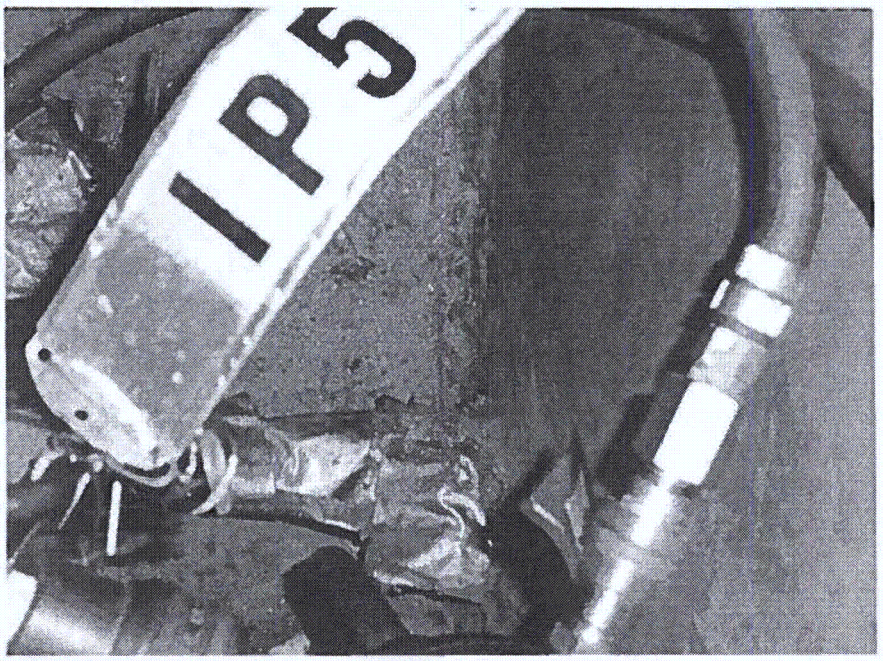
Seismic Walkdown Checklist (SWC)

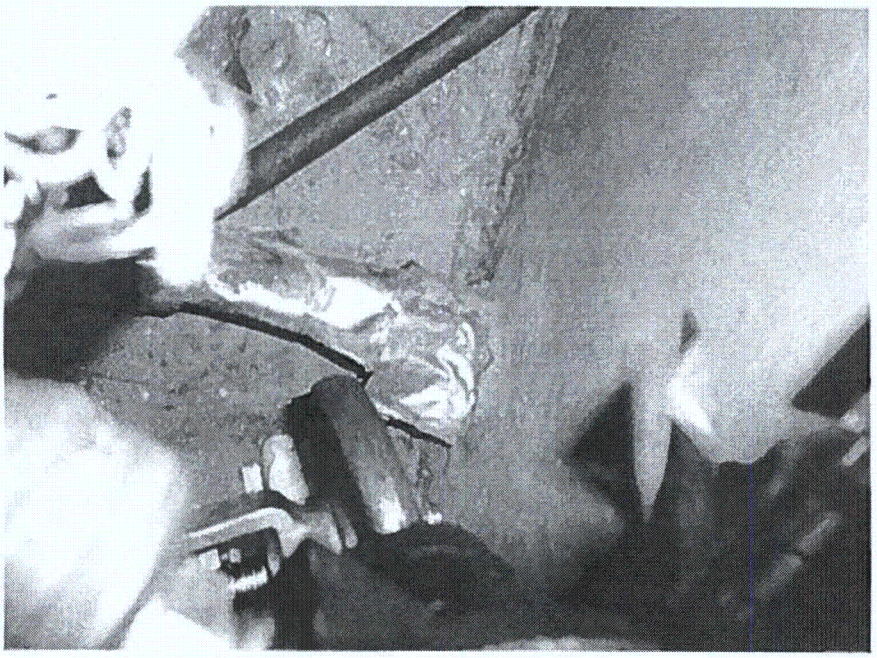
Equipment ID No. *1P51F548* Equip. Class[1] *0*

Equipment Description *TORX CAV/FUEL PL GT SEAL*

Photographs







Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F555* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Location: Bldg. *REACTOR* Floor El. *228* Room, Area *Refueling Floor*

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☐ N☒
   This is an in-line equipment and has no anchorage.

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☐ N☐ U☐ N/A☒

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☐ N☐ U☐ N/A☒

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☐ N☐ U☐ N/A☒

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F555* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Area walk by was performed within the package for 1P51-F555.

Evaluated by: *KURSAT KINALI* Kursat Kinali Date: *9/18/2012*

WESLEY WILLIAMS Wesley A. Williams *9/18/2012*

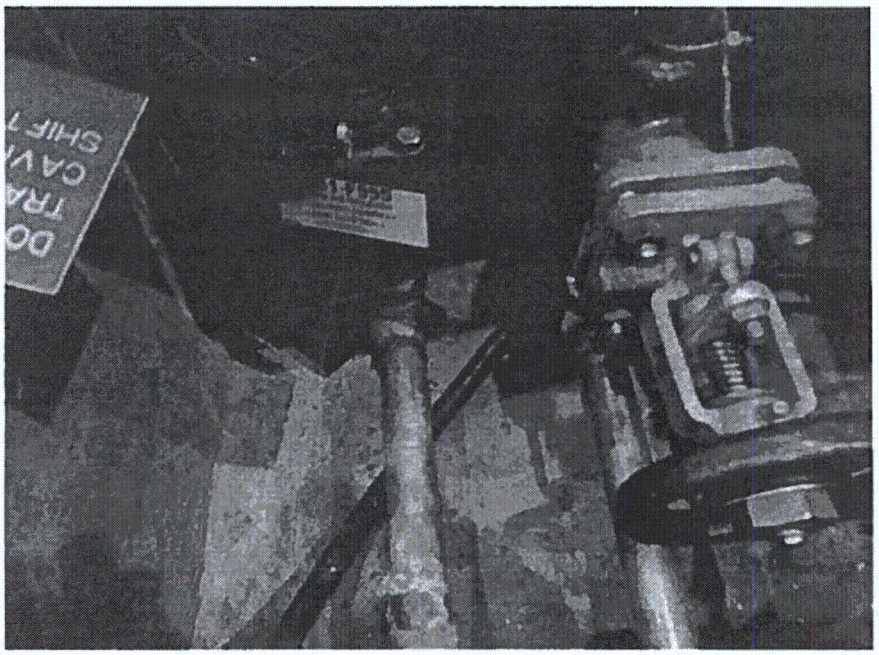
Status: Y☒ N☐ U☐

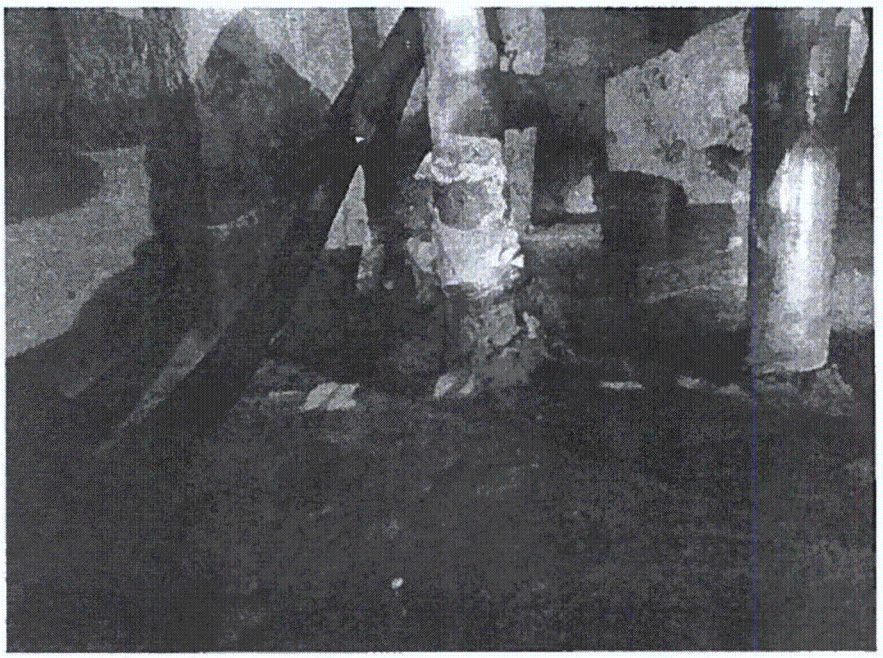
Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F555* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Photographs





Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F558* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Location: Bldg. *REACTOR* Floor El. *228* Room, Area *Refueling Floor*

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y☐ N☒
   This is an in-line component and has no anchorage.

2. Is the anchorage free of bent, broken, missing or loose hardware? Y☐ N☐ U☐ N/A☒

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y☐ N☐ U☐ N/A☒

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☐ N☐ U☐ N/A☒

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y☐ N☐ U☐ N/A☒

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y☒ N☐ U☐

[1] Enter the equipment class name from Appendix B: Classes of Equipment.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F558* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y☒ N☐ U☐ N/A☐

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y☒ N☐ U☐

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

Area walk by was performed within the package for 1P51-F555.

Evaluated by: *KURSAT KINALI* Kursat Kinali Date: *9/18/2012*

WESLEY WILLIAMS Wesley A. Williams *9/18/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *1P51F558* Equip. Class[1] *0*

Equipment Description *GATE SEAL 1' 150# BALL VLV*

Photographs