Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2C41-C001B* Equip. Class[1] *5*

Equipment Description *SBLC INJECTION PUMP 2B*

Location: Bldg. *REACTOR* Floor El. *203* Room, Area *2R414*

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☐
   Washers on equipment to pad connections are missing. An identical pump right next to this item has washers installed (SBLC Injection Pump 2B). The holes are not over-sized holes, i.e., the heads of the bolts engage for clamping purposes and the mounting surface of the equipment is flat. Therefore, this is judged to be not a seismic concern.

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☐
   Anchorage was compared against drawing H-25503, Rev. 4.

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. 2C41-C001B Equip. Class[1] 5

Equipment Description SBLC INJECTION PUMP 2B

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 walkby was performed within the package for Boron Solution Tank in the area, 2C41-A001.

Evaluated by: KURSAT KINALI Kursat Kinali Date: 9/11/2012

WESLEY WILLIAMS Wesley A. Williams 9/11/2012

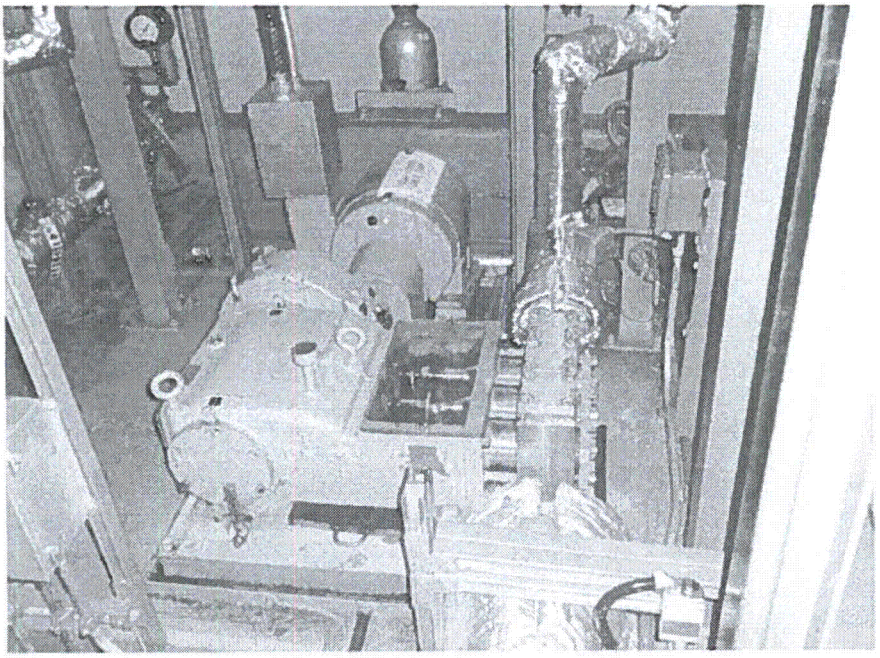
Status: Y☒ N☐ U☐

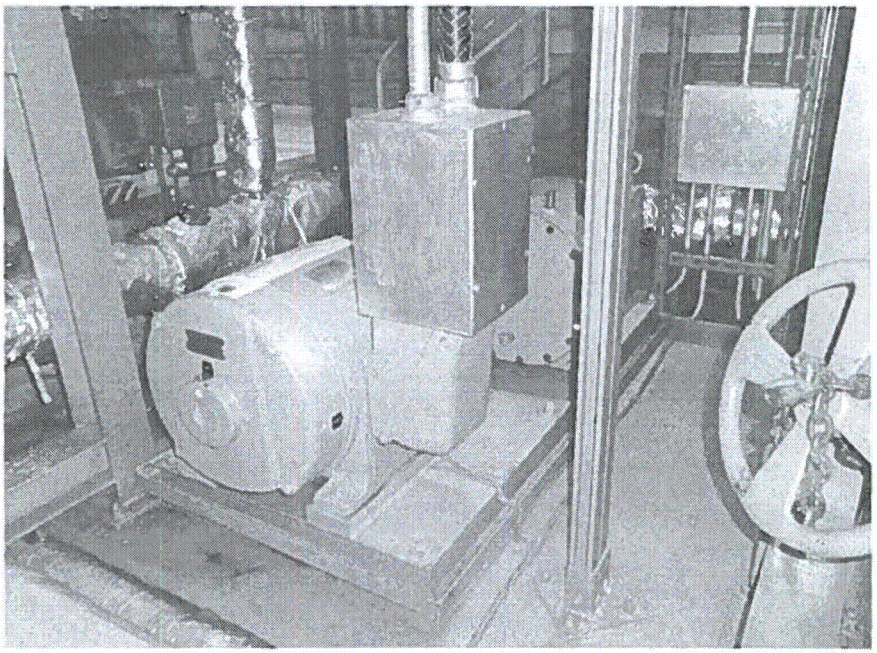
Seismic Walkdown Checklist (SWC)

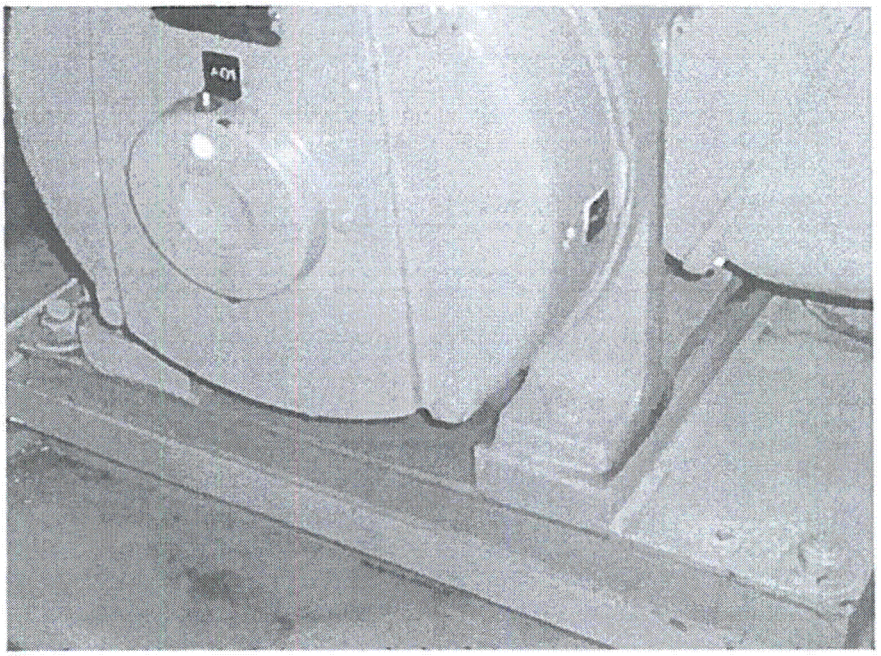
Equipment ID No. *2C41-C001B* Equip. Class[1] *5*

Equipment Description *SBLC INJECTION PUMP 2B*

Photographs







Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E41-C002-3* Equip. Class[1] *5*

Equipment Description *HPCI TURB AUX OIL PUMP*

Location: Bldg. *REACTOR* Floor El. *87* Room, Area *HPCI 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☐
   Anchorage was confirmed against Drawing H-25020 Version 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. *2E41-C002-3* Equip. Class[1] *5*

Equipment Description *HPCI TURB AUX OIL PUMP*

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 walkby was performed within the package for 2E21-C001B.

Evaluated by: *KURSAT KINALI* Date: *9/24/2012*

WESLEY WILLIAMS *9/24/2012*

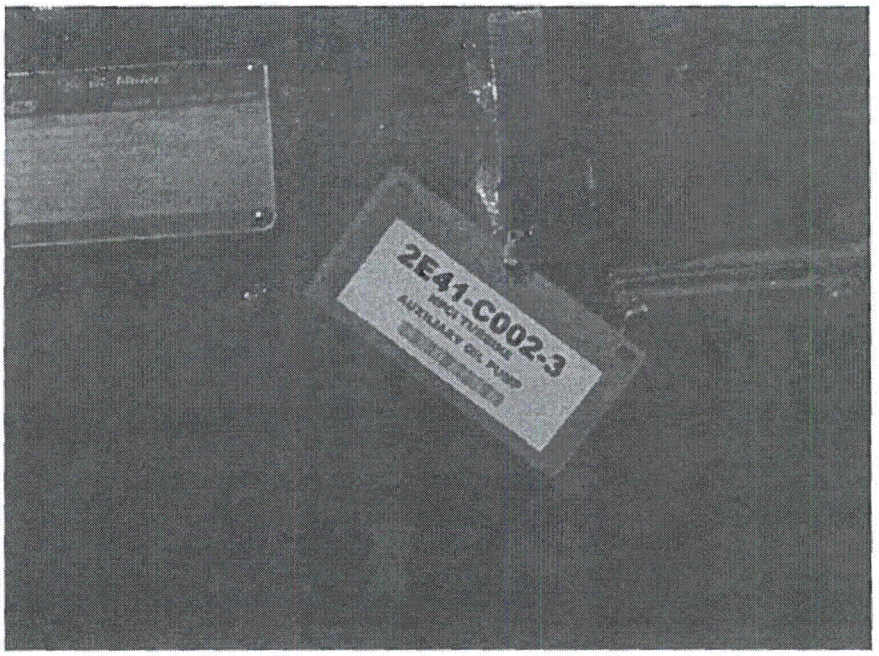
Status: Y☒ N☐ U☐

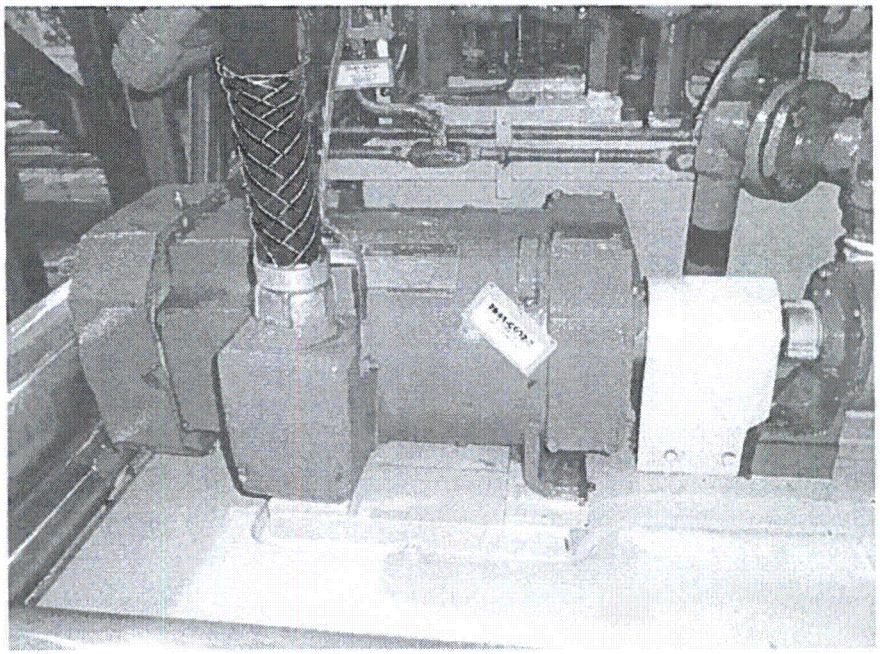
Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E41-C002-3* Equip. Class[1] *5*

Equipment Description *HPCI TURB AUX OIL PUMP*

Photographs





Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E11-C001A* Equip. Class[1] *6*

Equipment Description *RHRSW PUMP 1A*

Location: Bldg. *INTAKE* Floor El. *111* Room, Area *Pump 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 anchorage was compared against the vendor drawing S-60315 Version 8.0.

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. 2E11-C001A Equip. Class 6

Equipment Description RHRSW 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☐

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)

Note: For area walk-by see AWC for Intake El. 111', Pump Room

Evaluated by: KURSAT KINALI Date: 9/25/2012

WESLEY WILLIAMS 9/25/2012

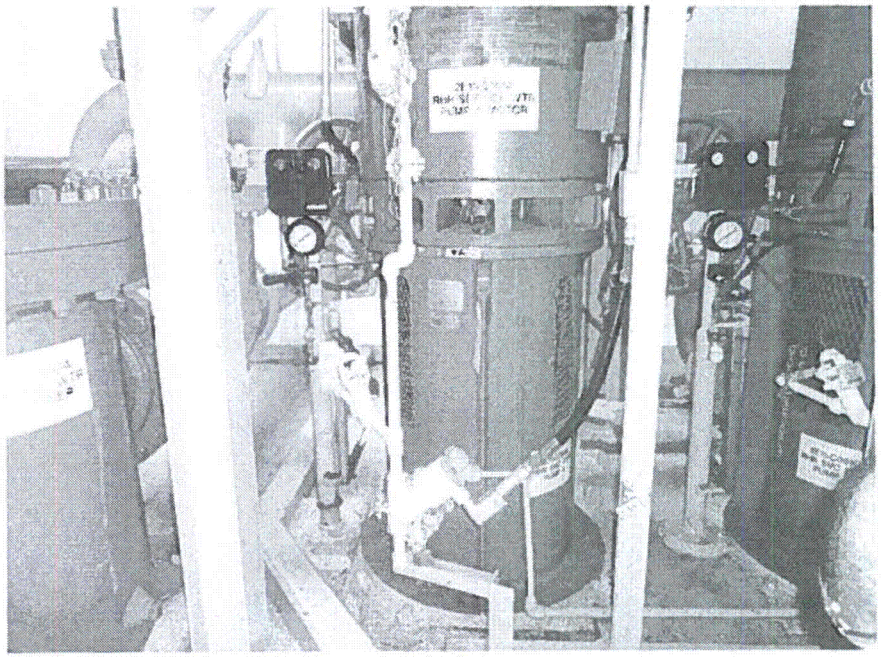
Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E11-C001A* Equip. Class[1] *6*

Equipment Description *RHRSW PUMP 1A*

Photographs



Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E11-C001D* Equip. Class[1] *6*

Equipment Description *RHRSW PUMP 1D*

Location: Bldg. *INTAKE* Floor El. *111* Room, Area *Intake Pump 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☐
   Anchorage was checked against Dwg. H-12211 Version 22.0, S-60315 and SQUG package dated 2/18/94.

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. *2E11-C001D* Equip. Class[1] *6*

Equipment Description *RHRSW PUMP 1D*

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)

Note: For area walk-by see AWC for Intake El. 111', Pump Room

Evaluated by: *KURSAT KINALI* Kursat Kinali Date: *9/12/2012*

WESLEY WILLIAMS Wesley A. Williams *9/12/2012*

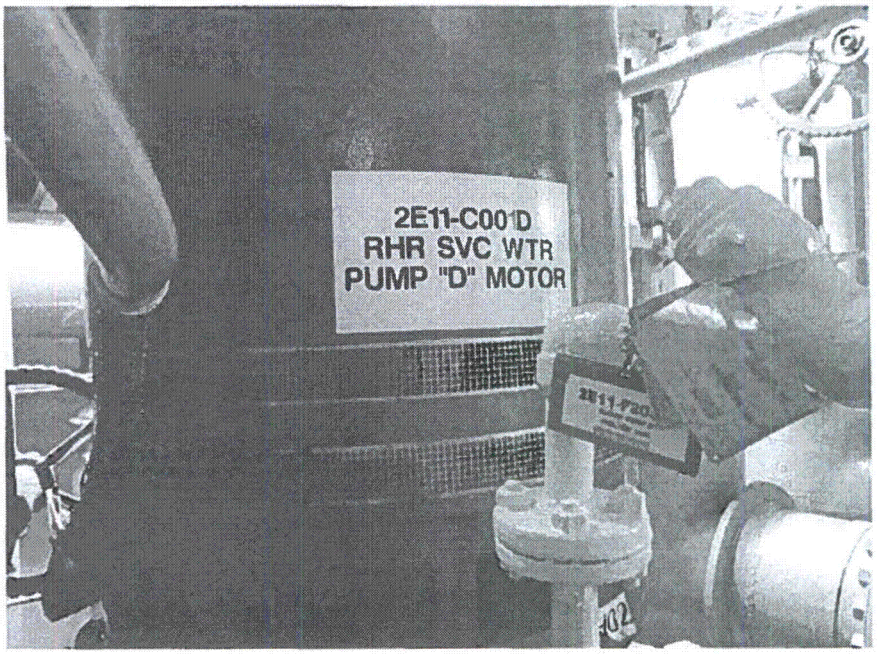
Status: Y☒ N☐ U☐

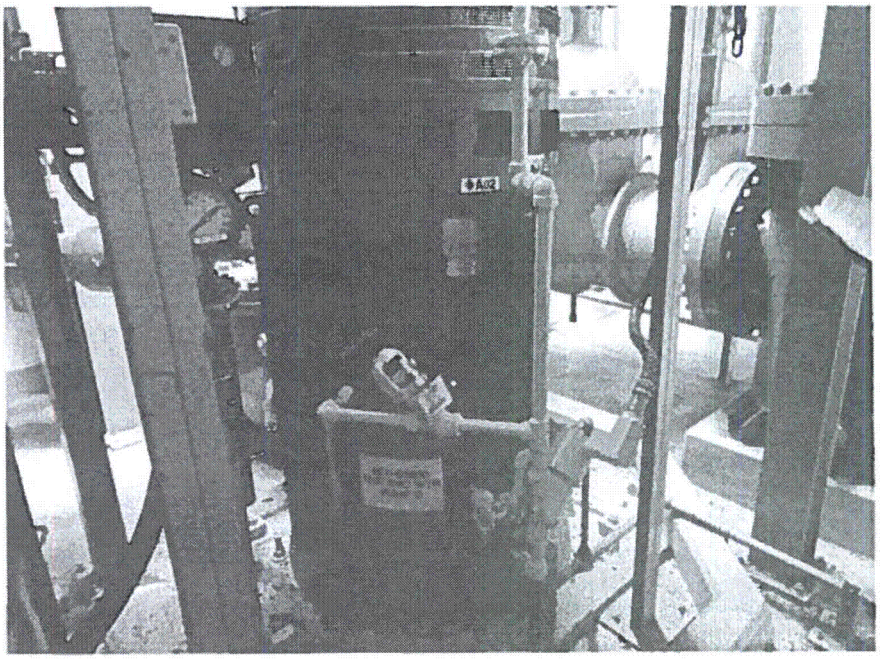
Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E11-C001D* Equip. Class[1] *6*

Equipment Description *RHRSW PUMP 1D*

Photographs





Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-C001A* Equip. Class[1] *6*

Equipment Description *PSW PUMP 1A*

Location: Bldg. *INTAKE* Floor El. *111* Room, Area *Pump 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☐
   Mild surface oxidation was observed but judged not to be a seismic issue.

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☐
   Anchorage was compared against the Drawing H-4762 Rev. 8.

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. *2P41-C001A* Equip. Class[1] *6*

Equipment Description *PSW 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☐

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)

Note: For area walk-by see AWC for Intake El.111', Pump Room

Evaluated by: *KURSAT KINALI* Date: *9/25/2012*

WESLEY WILLIAMS *9/25/2012*

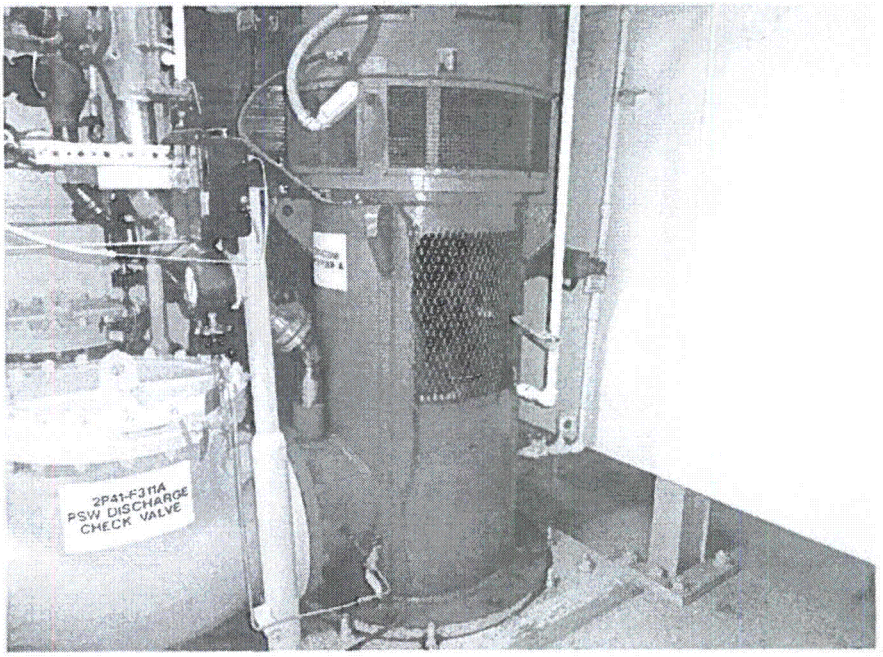
Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-C001A* Equip. Class[1] *6*

Equipment Description *PSW PUMP 1A*

Photographs



Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-C001B* Equip. Class[1] *6*

Equipment Description *PSW PUMP 1B*

Location: Bldg. *INTAKE* Floor El. *111* Room, Area *Pump 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☒

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. 2P41-C001B Equip. Class 6

Equipment Description PSW PUMP 1B

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)

Note: For area walk-by see AWC for Intake El.111', Pump Room

Evaluated by: WESLEY WILLIAMS Date: 9/12/2012

KURSAT KINALI 9/12/2012

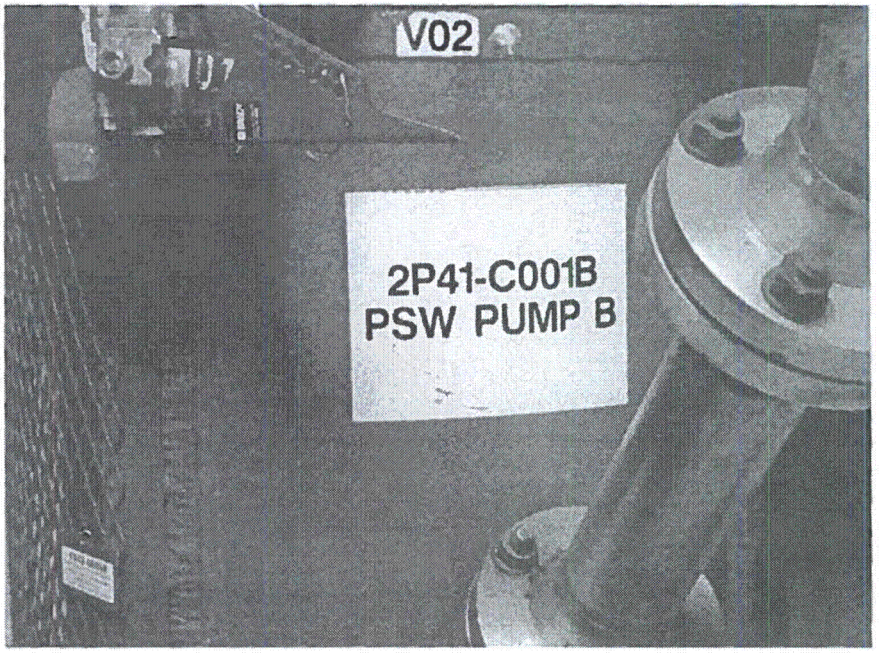
Status: Y☒ N☐ U☐

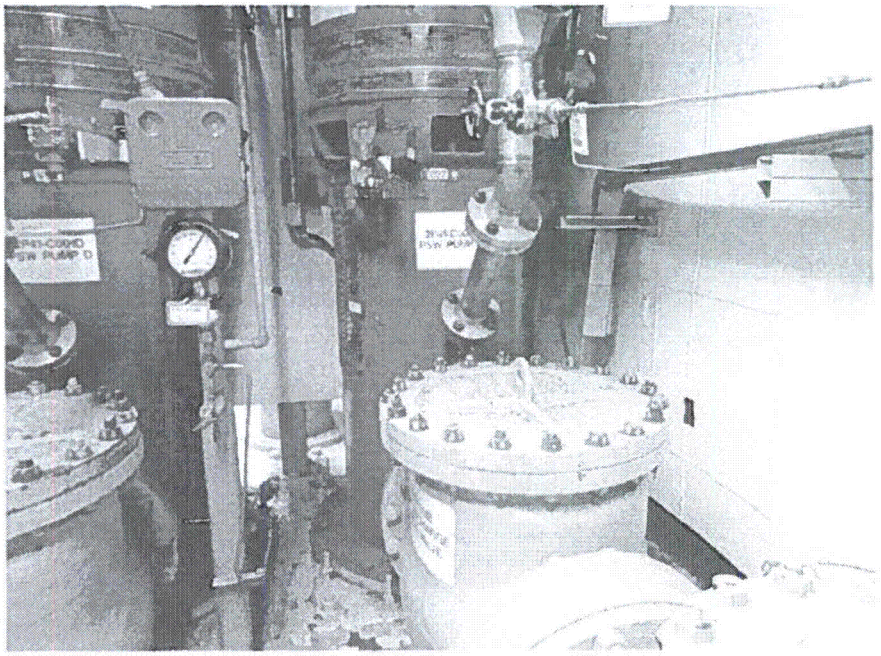
Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-C001B* Equip. Class[1] *6*

Equipment Description *PSW PUMP 1B*

Photographs





Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-C002* Equip. Class[1] *6*

Equipment Description *PSW STANDBY PUMP 1B DIESEL*

Location: Bldg. *INTAKE* Floor El. *111* Room, Area *Pump 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☐
   Mild surface corrosion was seen on bolts and at places where the grating interfaces with baseplate. This is judged not to be a seismic issue. A general CR has been initiated for this purpose (CR 516327).

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. 2P41-C002 Equip. Class[1] 6

Equipment Description PSW STANDBY PUMP 1B DIESEL

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)

Note: For area walk-by see AWC for Intake El.111', Pump Room

Evaluated by: WESLEY WILLIAMS Date: 9/12/2012

KURSAT KINALI 9/12/2012

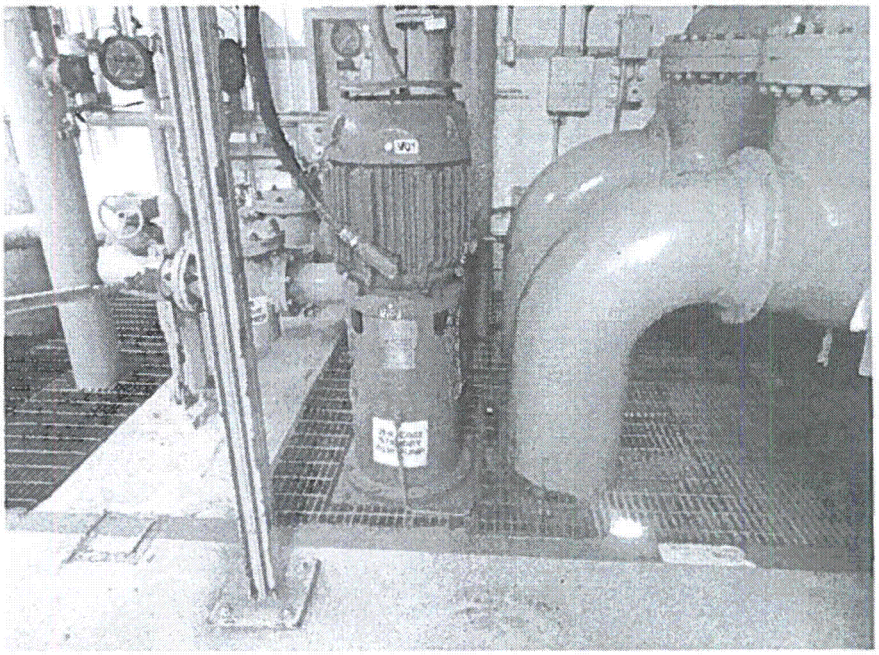
Status: Y☒ N☐ U☐

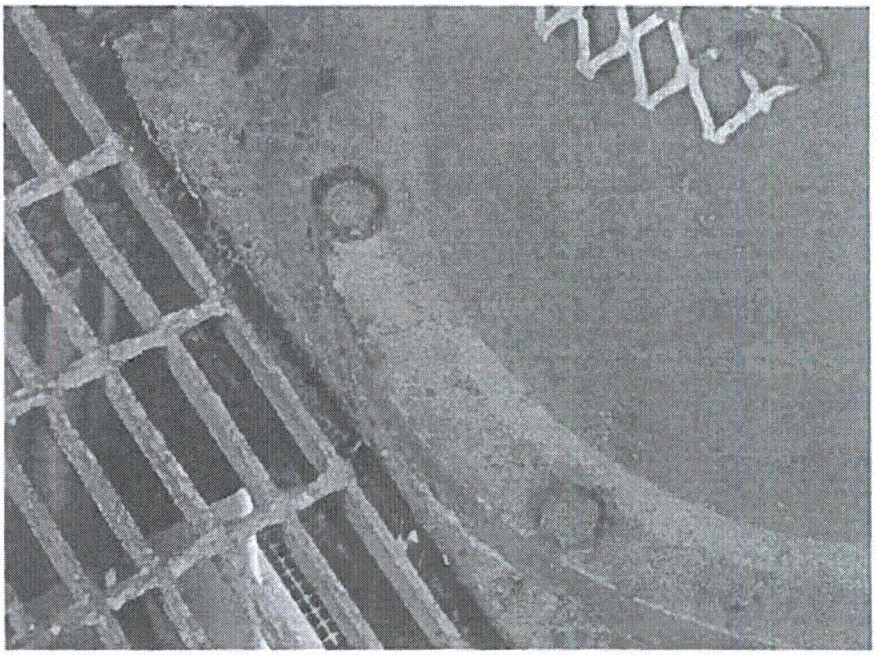
Seismic Walkdown Checklist (SWC)

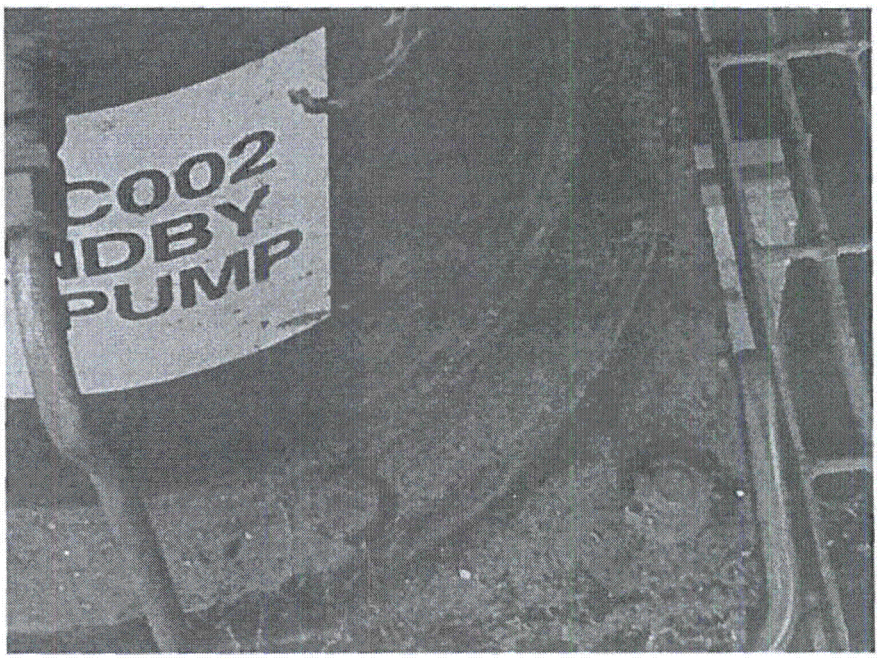
Equipment ID No. *2P41-C002* Equip. Class[1] *6*

Equipment Description *PSW STANDBY PUMP 1B DIESEL*

Photographs






C002
NDBY
PUMP

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F042A* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B001A CNTRL AOV*

Location: Bldg. *REACTOR* Floor El. *109'-8"* Room, Area *SW Diagonal 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)? *Inline Component* — 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. *2P41-F042A* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B001A CNTRL AOV*

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? *There is a lot of surface corrosion on the cooling water pipe at the Valve location. This surface corrosion is likely due to condensation on the pipe surface. The condensation is caused by the lack of insulation on this cooling water pipe (See Figures 3 and 4). The SWE's have determined that this corrosion is mild and only affects the surface and will not have a significant effect on the seismic capacity of the pipe at this location.*	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F042A* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B001A CNTRL AOV*

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

Jeff Horton *09/24/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F042A* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B001A CNTRL AOV*

Photographs

Figure 1 Equipment ID: 2P41-F042A

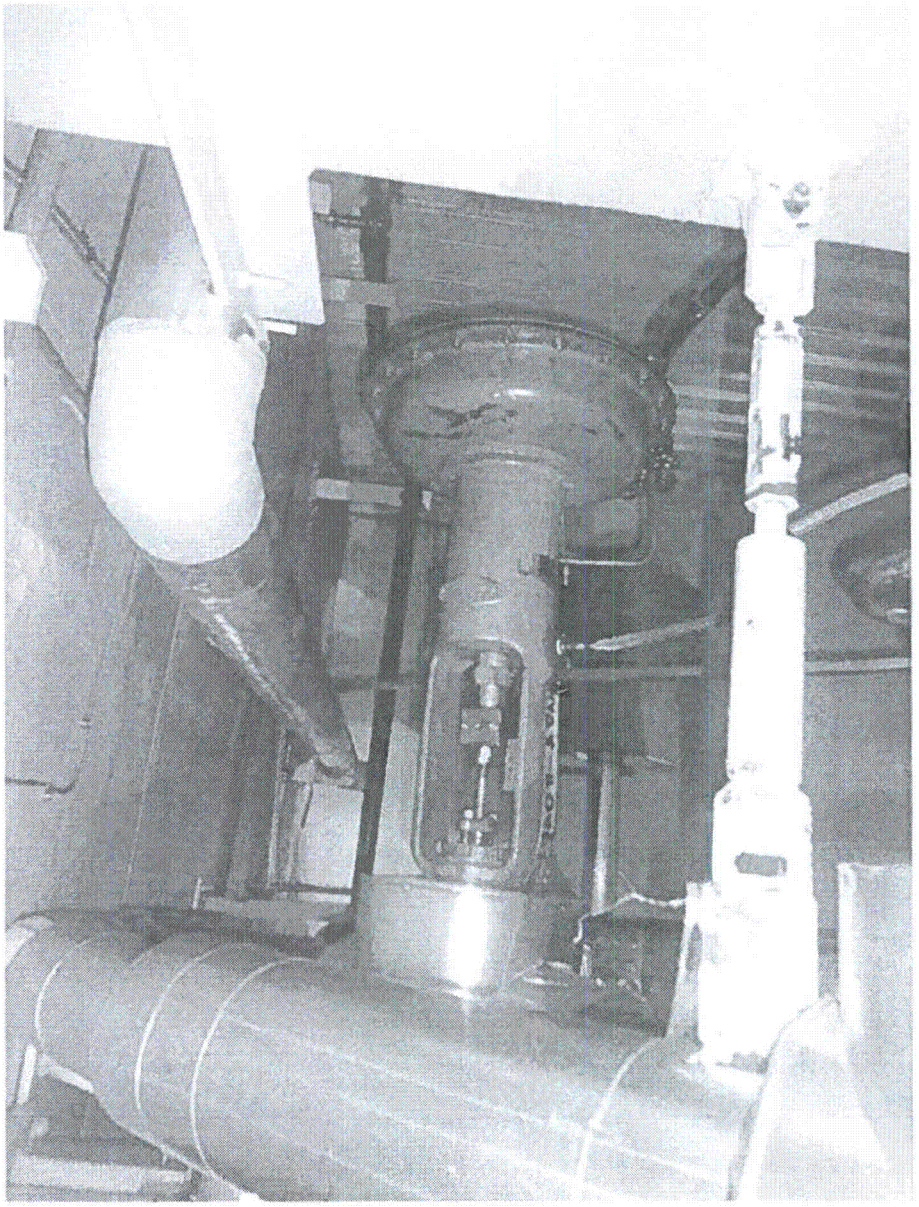


Figure 2 Picture of Component

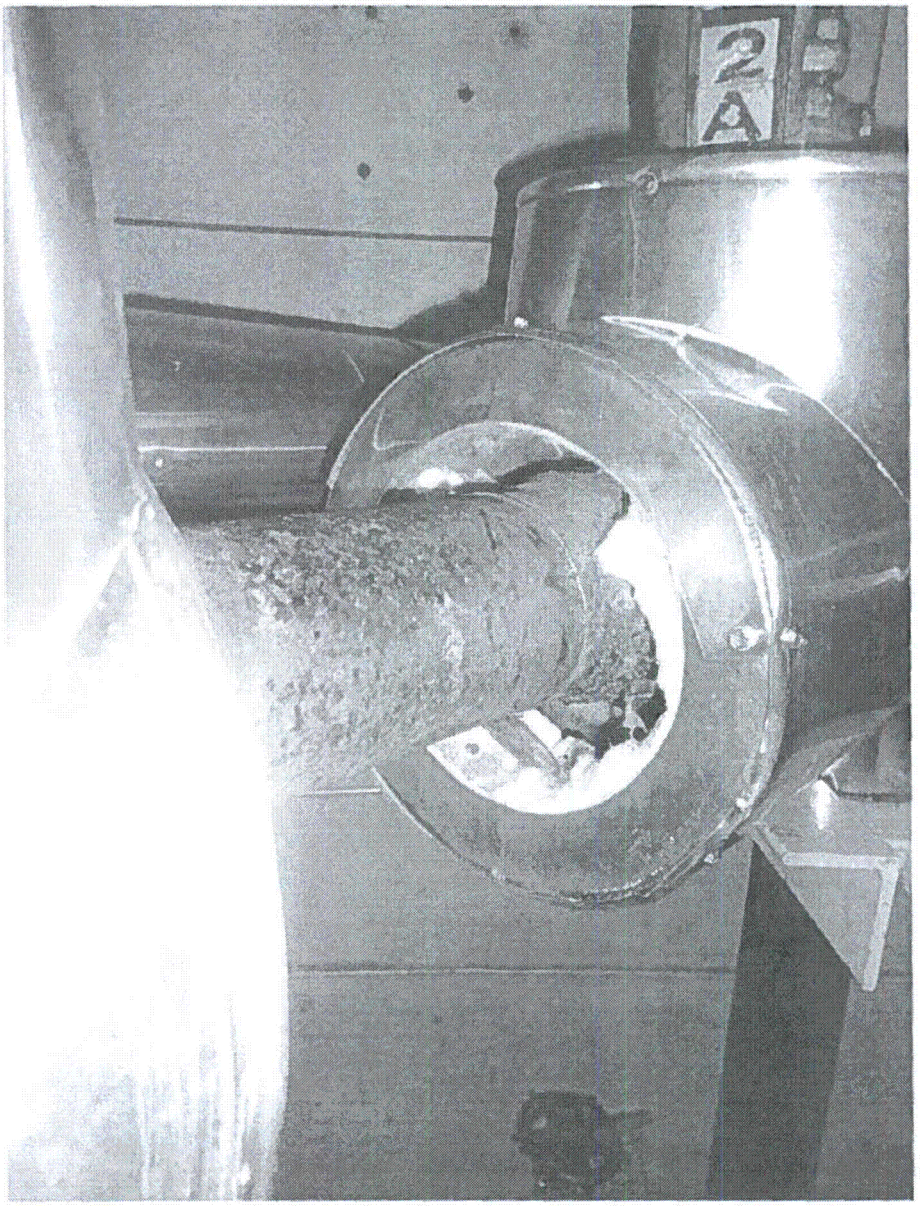


Figure 3: Surface Corrosion on Pipe at Valve

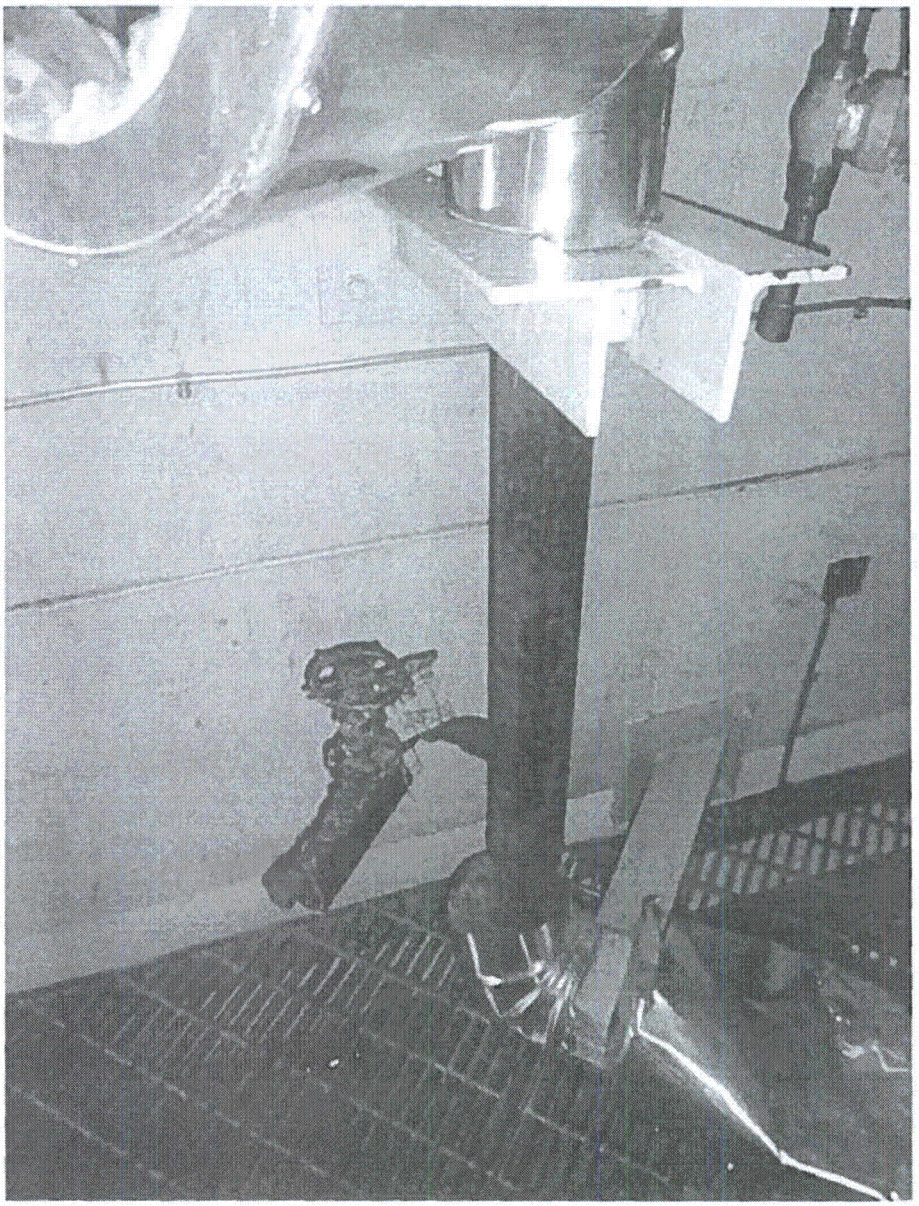


Figure 4: Additional Surface Corrosion on Cooling Water Pipe near Valve Location

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F039A* Equip. Class[1] *7*

Equipment Description *RHR/CS R2T41-B003A CNTL VALVE*

Location: Bldg. *REACTOR* Floor El. *120* Room, Area *NE Diagonal 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☒
   Inline Component Air operated valve

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. *2P41-F039A* Equip. Class[1] *7*

Equipment Description *RHR/CS R2T41-B003A CNTL VALVE*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   Valve Air operator is within approximately 3/8" of an overhead pipe's thermal insulation. The pipe that the valve is installed on is rigidly supported. Also, the pipe over the valve operator is rigidly supported. There will be little differential movement between the pipe and the valve operator. Therefore, the SWE's have determined that this configuration is seismically acceptable. This condition is also discussed in SEWS package 2P41-F039A, Dated 2/16/94 and found to be acceptable.

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 performed for Component 2T41-N021A.

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F039A* Equip. Class[1] *7*

Equipment Description *RHR/CS R2T41-B003A CNTL VALVE*

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

Jeff Horton *09/24/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F039A* Equip. Class[1] *7*

Equipment Description *RHR/CS R2T41-B003A CNTL VALVE*

Photographs

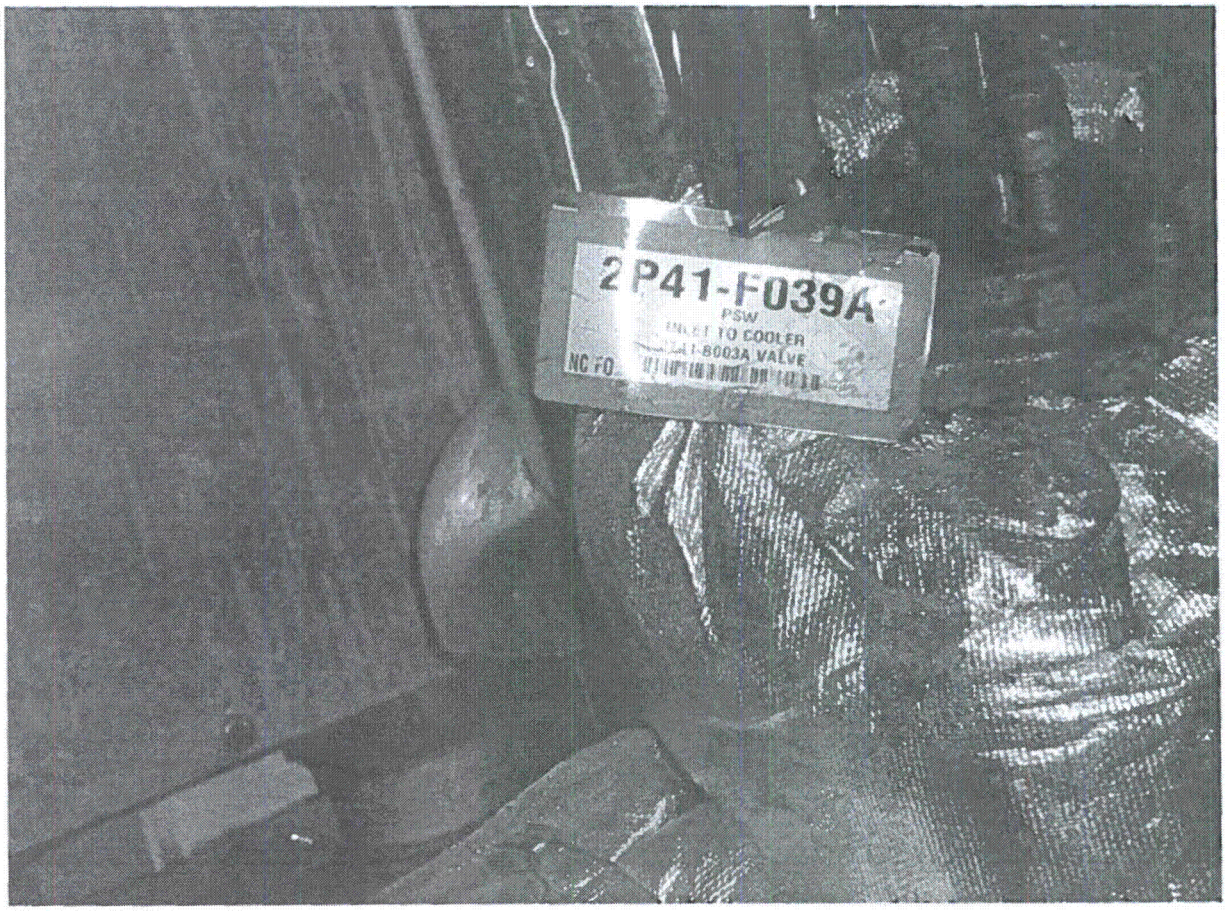


Figure 1 Component ID: 2P41-F039

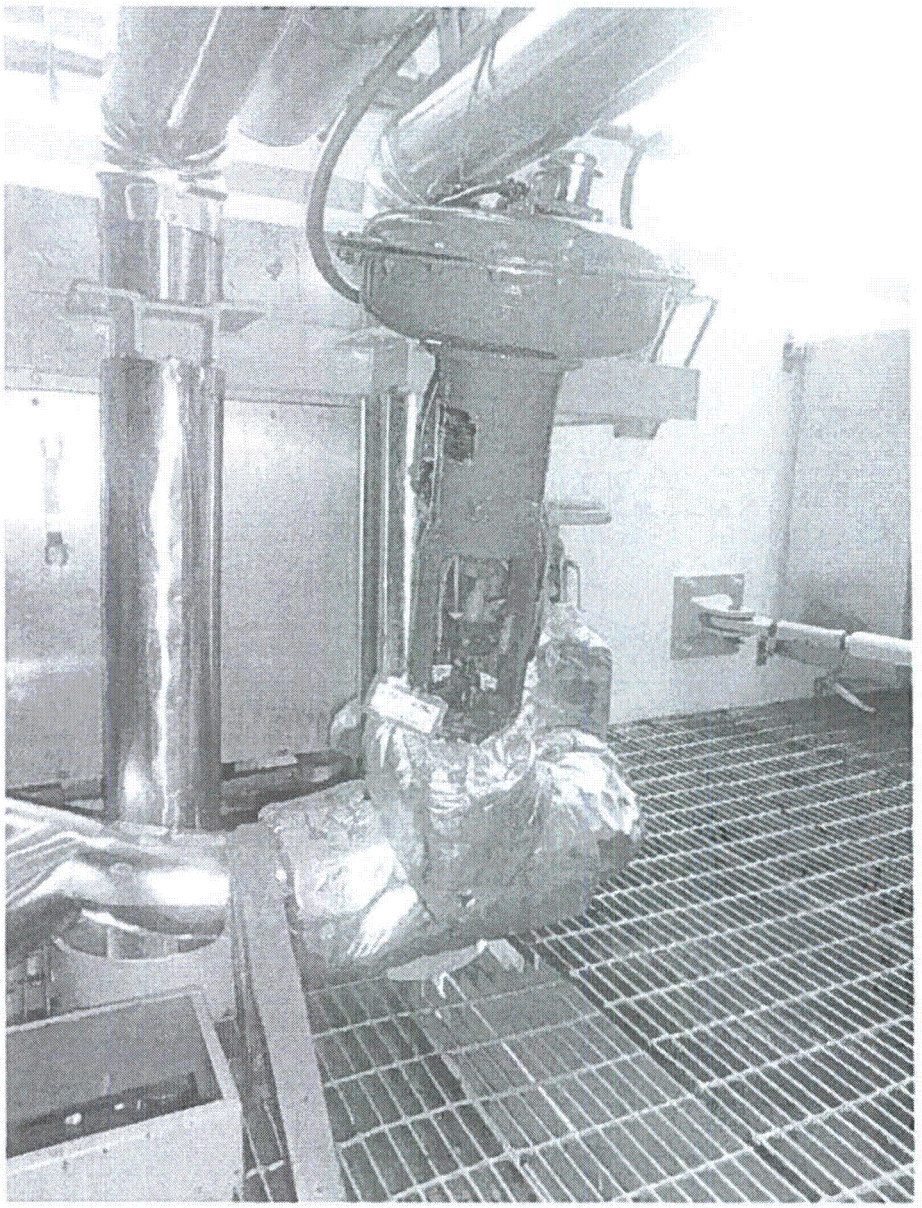


Figure 2 Picture Showing Distance between Operator and Pipe

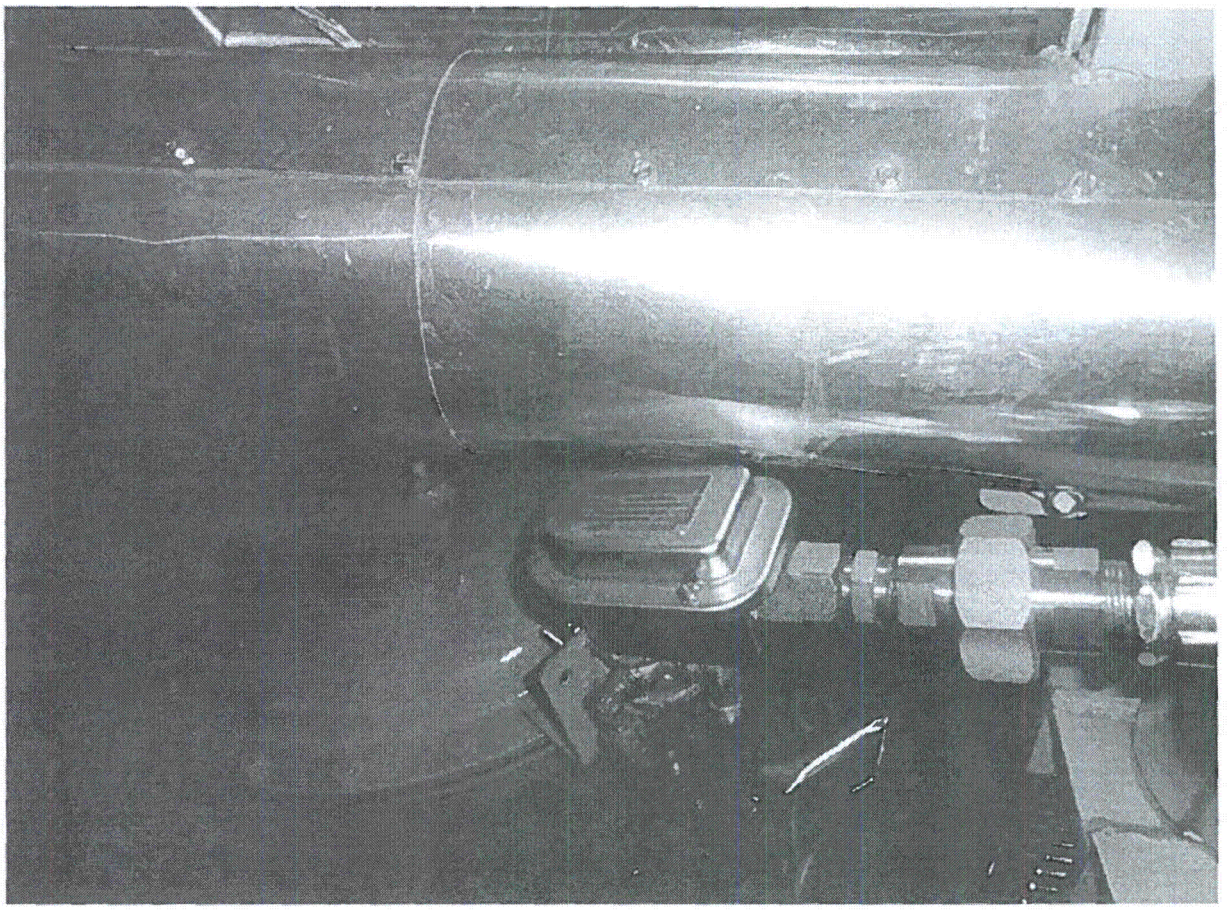


Figure 3 Picture Showing Clearance between Operator and Pipe Other Side

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F035B* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B005B CNTL AOV*

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

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☒
   Equipment is line-mounted, so it does not have 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. *2P41-F035B* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B005B CNTL AOV*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   The valve operator is touching the insulation of an adjacent ¾" pipe. There is sufficient space between the actual pipe and the valve actuator to preclude contact between them. During a seismic event, it is judged that, due to the pipe supports in the area and the presence of the insulation, the contact between the valve and the pipe will not be significant and is therefore not a potentially adverse seismic 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☐
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 mild surface oxidation on the attachment bolts between the valve bonnet and the valve body. Since oxidation is only on the surface, the bolts are not degraded. Therefore, judged not to be a concern.

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☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F035B* Equip. Class[1] *7*

Equipment Description *RBSWS 2T41B005B CNTL AOV*

Photographs

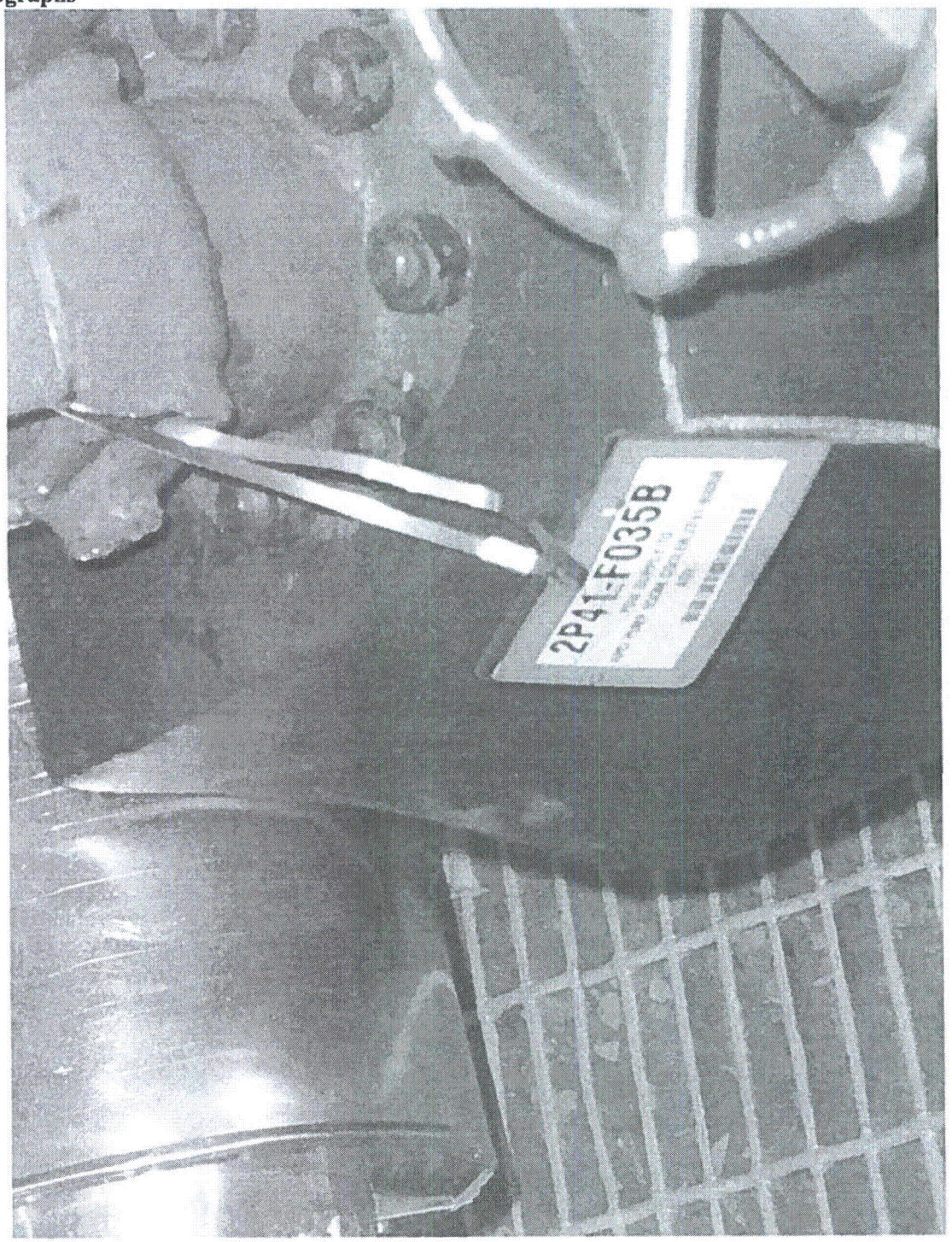


Figure 1 – Equipment ID No (2P41-F035B)

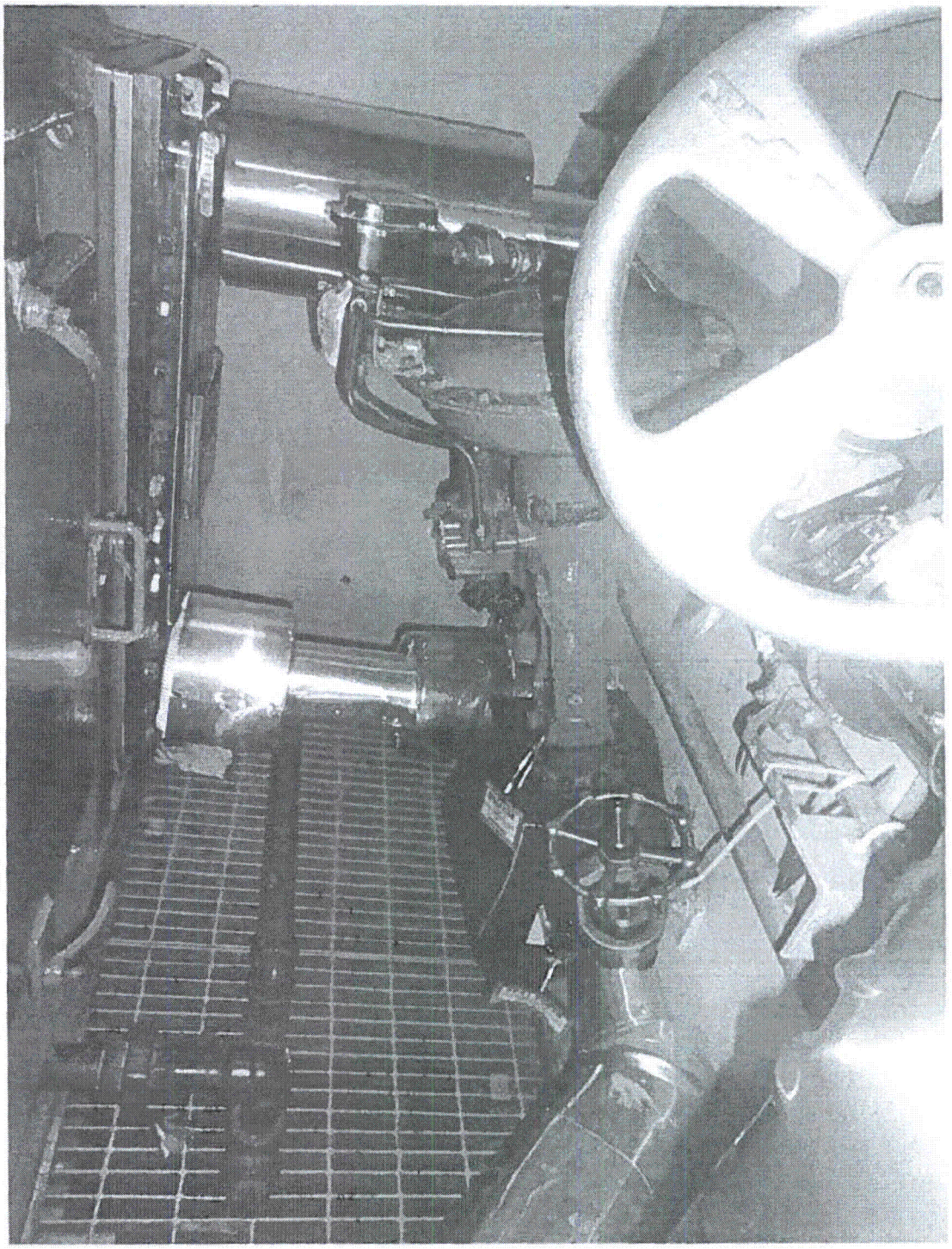


Figure 2 – Equipment Elevation (2P41-F035B)

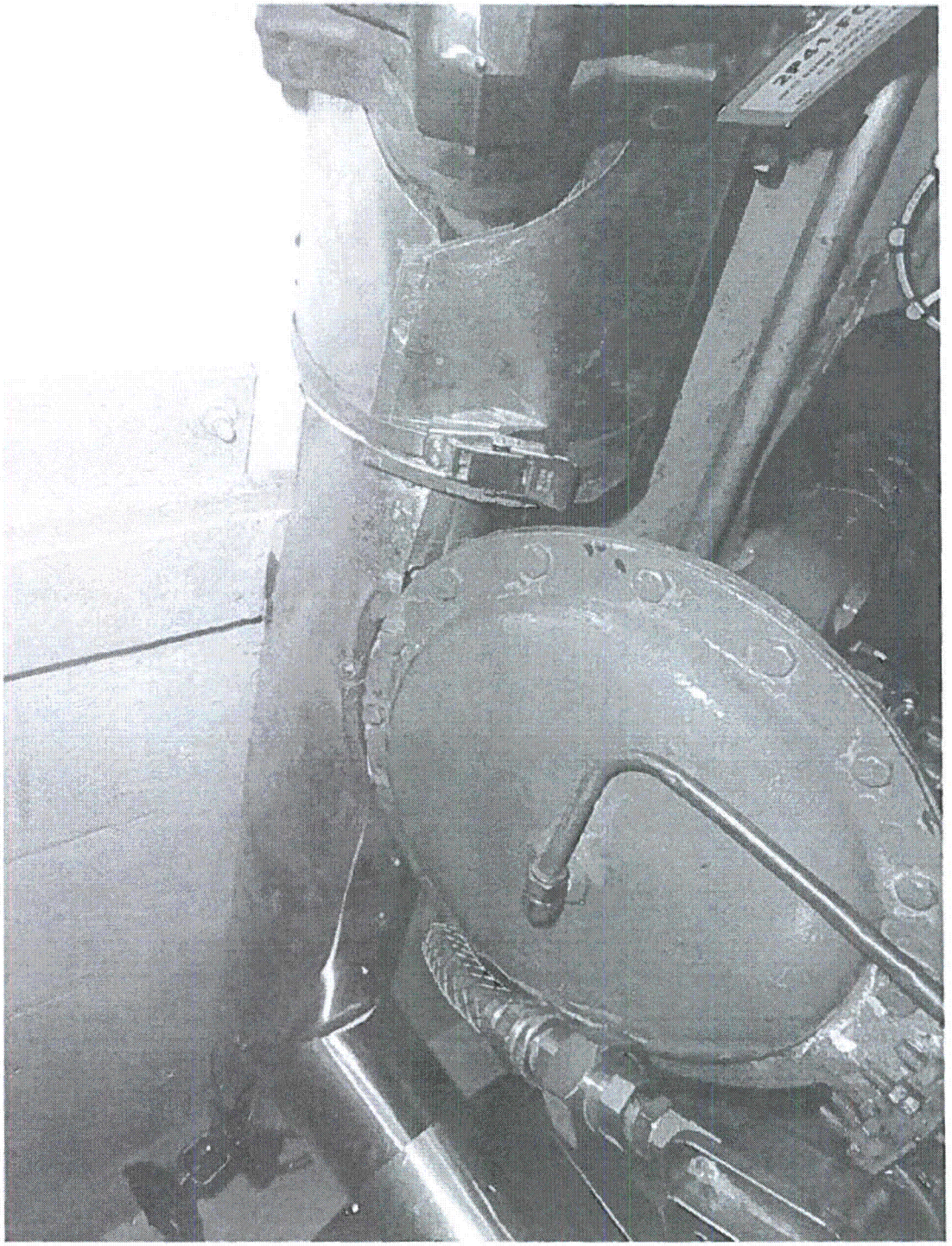


Figure 3 – Contact between Valve and Pipe (2P41-F035B)

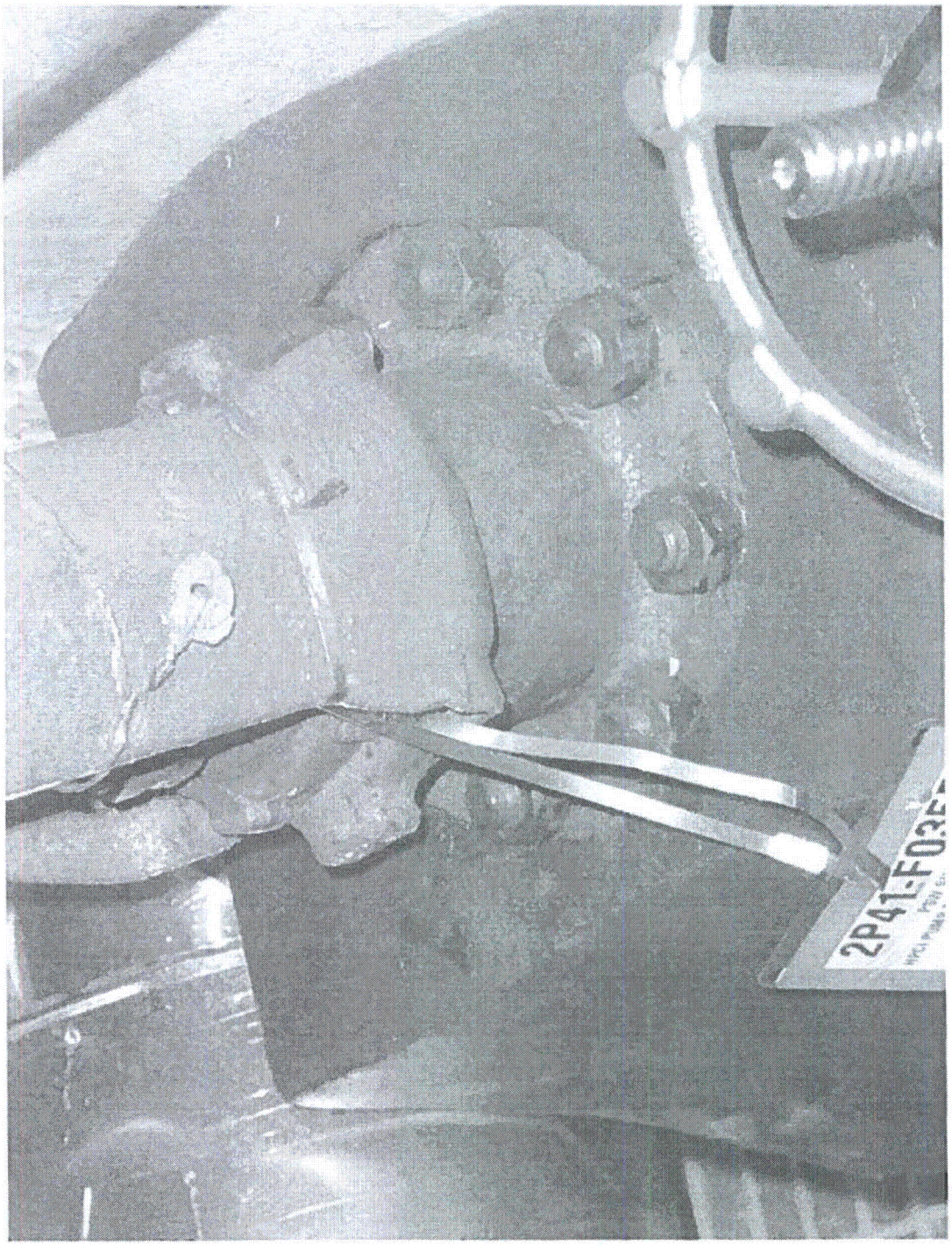


Figure 4 – Connection Bolt Oxidation (2P41-F035B)

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2T41-F004A* Equip. Class[1] *7*

Equipment Description *SPT FL PL TO REF FL AOV*

Location: Bldg. *CONTROL* Floor El. *203* Room, Area *RH-R15*

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☒
   Equipment is line-mounted equipment, so it does not have 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. *2T41-F004A* Equip. Class[1] *7*

Equipment Description *SPT FL PL TO REF FL AOV*

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☐
Mild surface oxidation present on flange bolts. Since oxidation is only on the surface, the bolts are not degraded. Therefore, the bolts are judged not to be a seismic concern.

Comments (Additional pages may be added as necessary)

See Component 2G41-F054 for Area Walk-by Checklist.

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

Jeff Horton *09/25/2012*

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2T41-F004A* Equip. Class[1] *7*

Equipment Description *SPT FL PL TO REF FL AOV*

Photographs

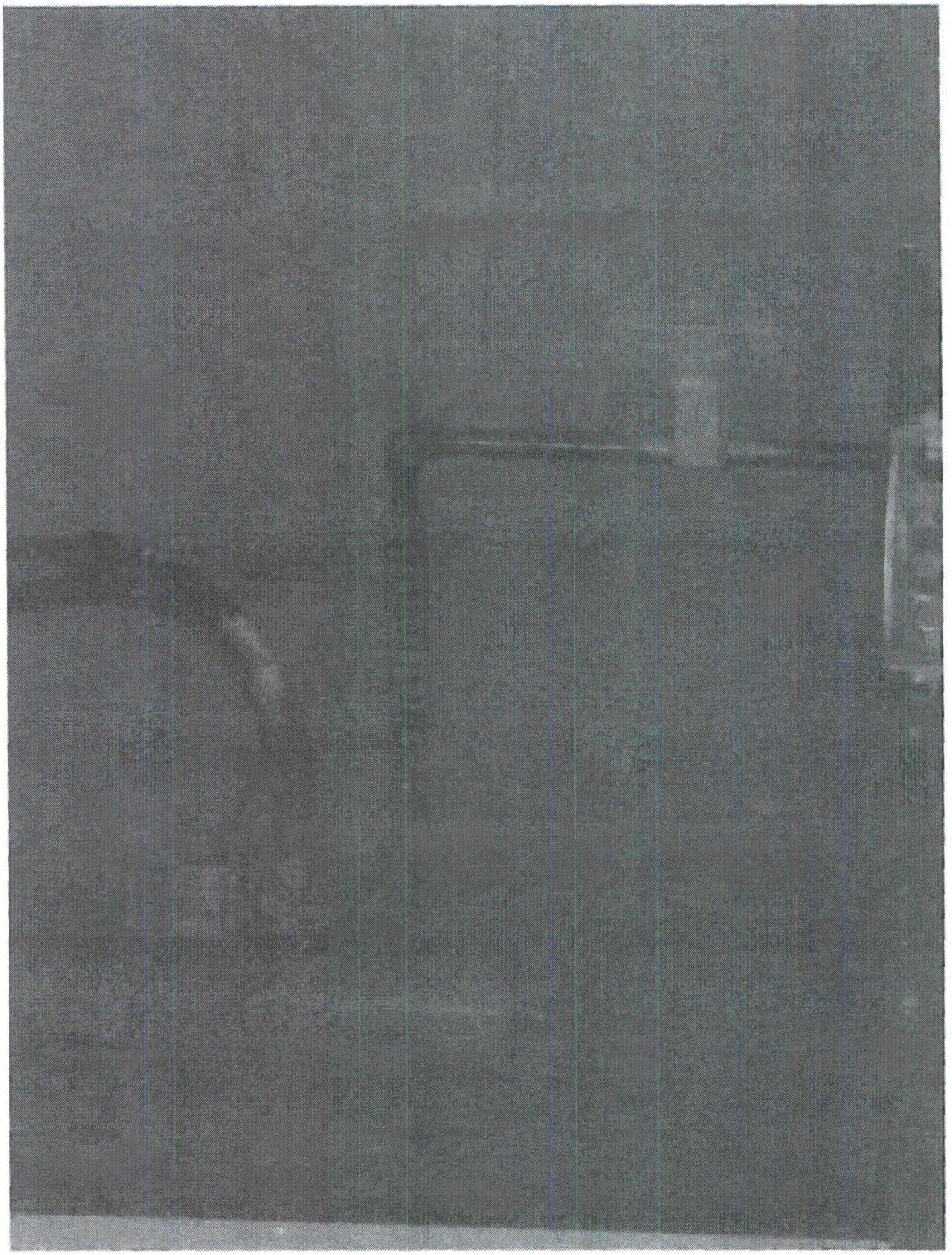


Figure 1 – Equipment ID No (2T41-F004A)

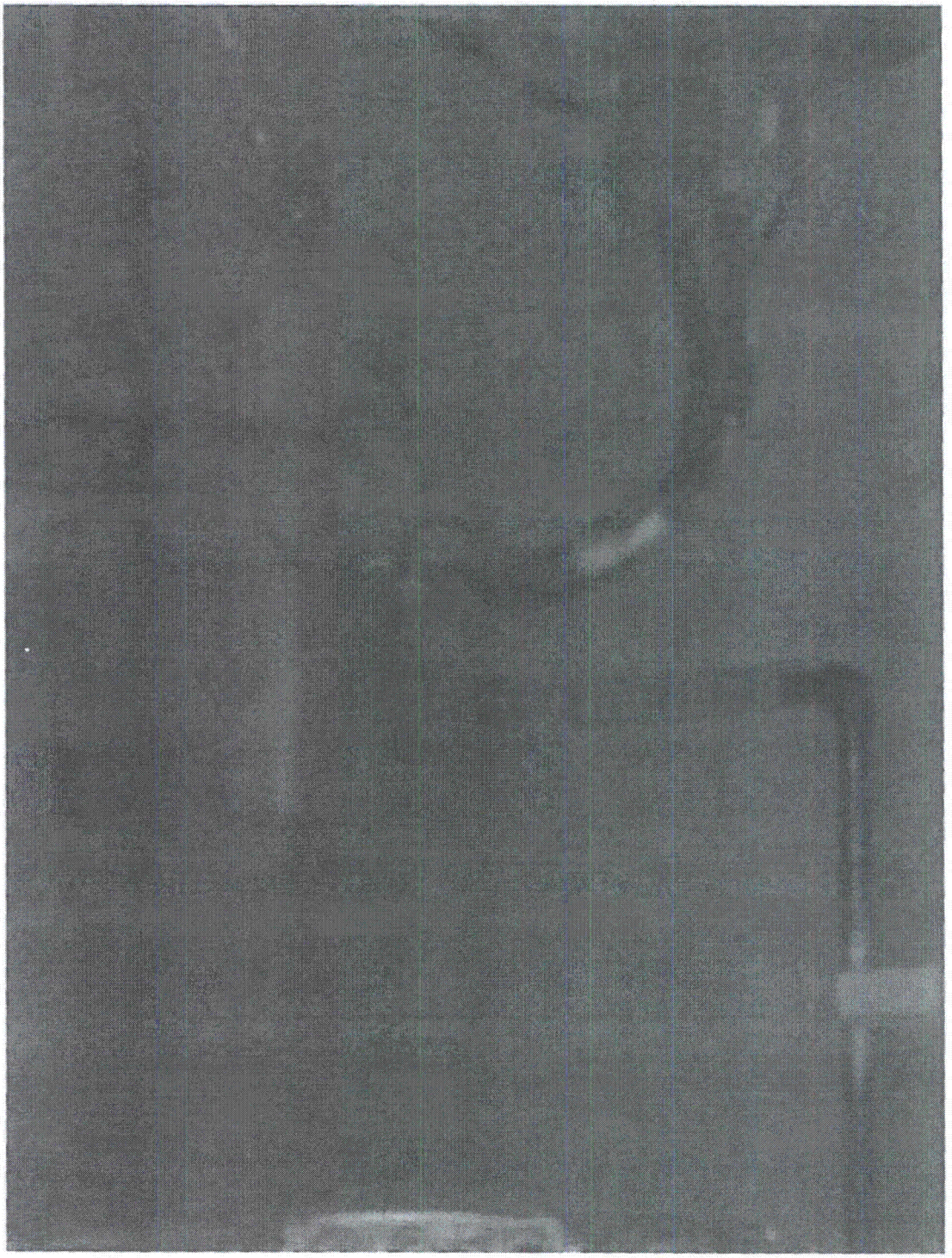


Figure 2 – Equipment Elevation (2T41-F004A)

Figure 3 – Mild Oxidation on Flange Bolts (2T41-F004A)

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2T46-F003B* Equip. Class[1] *7*

Equipment Description *SBGT RF 18"150# BF AOV*

Location: Bldg. *REACTOR* Floor El. *203* Room, Area *SBGT Filter Train 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)? *Inline item.* 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. *2T46-F003B* Equip. Class[1] *7*

Equipment Description *SBGT RF 18"150# BF AOV*

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)

None.

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

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

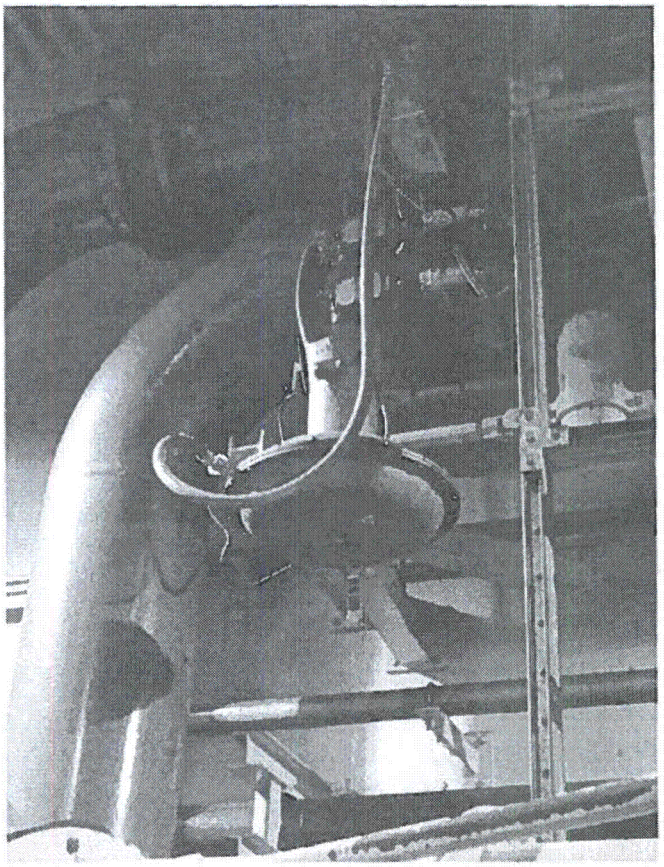
Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2T46-F003B* Equip. Class[1] *7*

Equipment Description *SBGT RF 18"150# BF AOV*

Photographs



Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E41-F004* Equip. Class[1] *8*

Equipment Description *HPCI PUMP SUCTION FROM CST (MOV)*

Location: Bldg. *REACTOR* Floor El. *87* Room, Area *HPCI 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)? *Inline Item* — 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. *2E41-F004* Equip. Class[1] *8*

Equipment Description *HPCI PUMP SUCTION FROM CST (MOV)*

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 walkby was performed within the package for 2E21-C001B.

Evaluated by: *KURSAT KINALI* Date: *9/24/2012*

WESLEY WILLIAMS *9/24/2012*

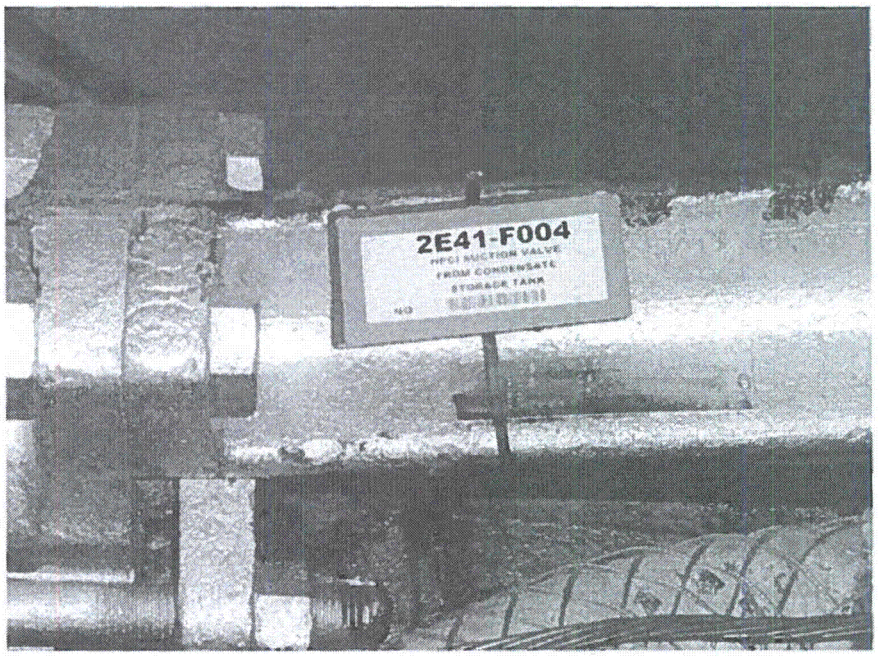
Status: Y☒ N☐ U☐

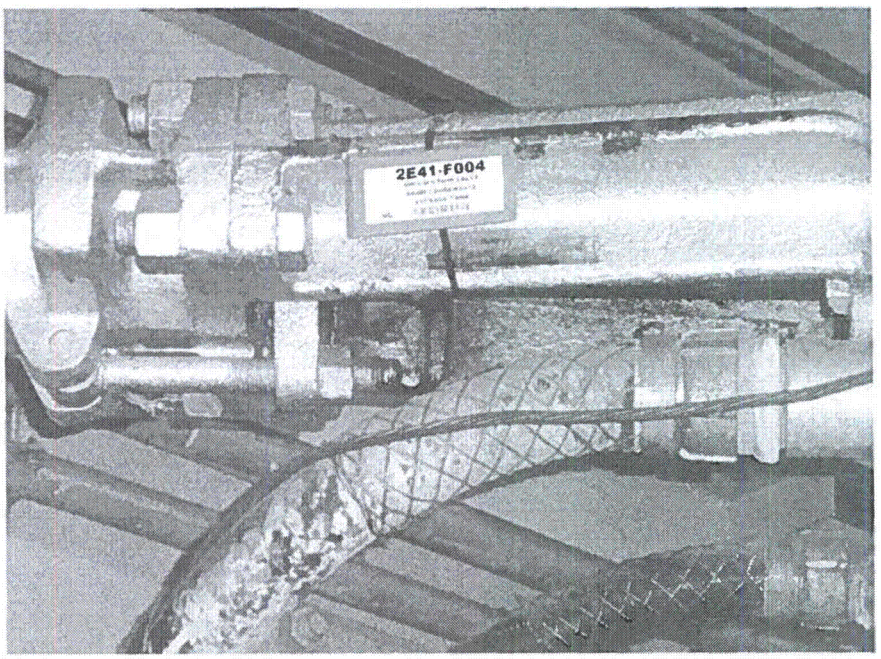
Seismic Walkdown Checklist (SWC)

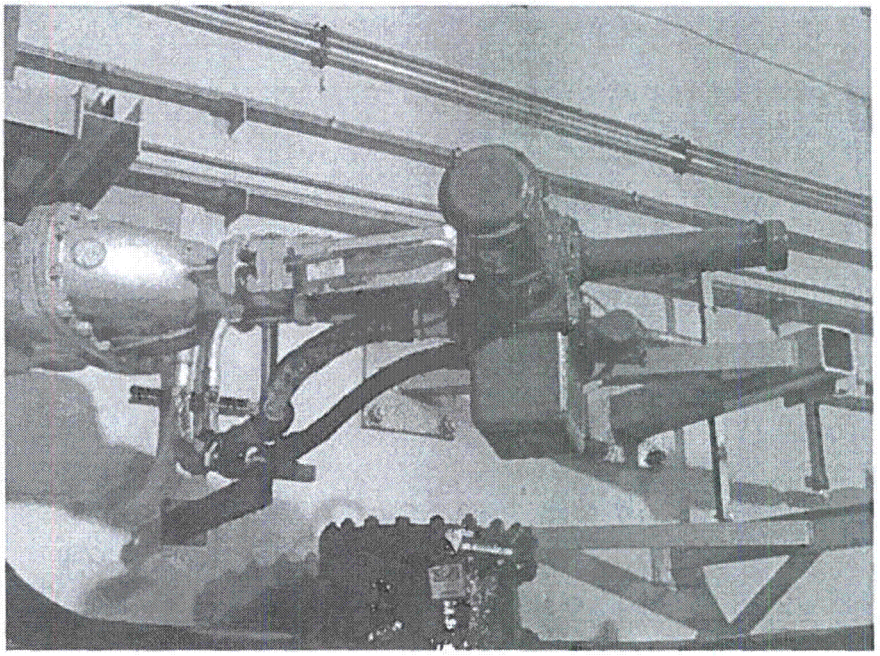
Equipment ID No. *2E41-F004* Equip. Class[1] *8*

Equipment Description *HPCI PUMP SUCTION FROM CST (MOV)*

Photographs







Sheet 1 of 4

Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E41-F001* Equip. Class[1] *8*

Equipment Description *HPCI TURBINE STEAM SUPPLY VLV (MOV)*

Location: Bldg. *REACTOR* Floor El. *87* Room, Area *HPCI 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☒
   Inline item.

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. *2E41-F001* Equip. Class[1] *8*

Equipment Description *HPCI TURBINE STEAM SUPPLY VLV (MOV)*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   The overhead crane was evaluated during SQUG walkdowns for the item in this room (2E41-C002) and found to be seismically adequate.

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 walkby was performed within the package for 2E21-C001B.

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

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

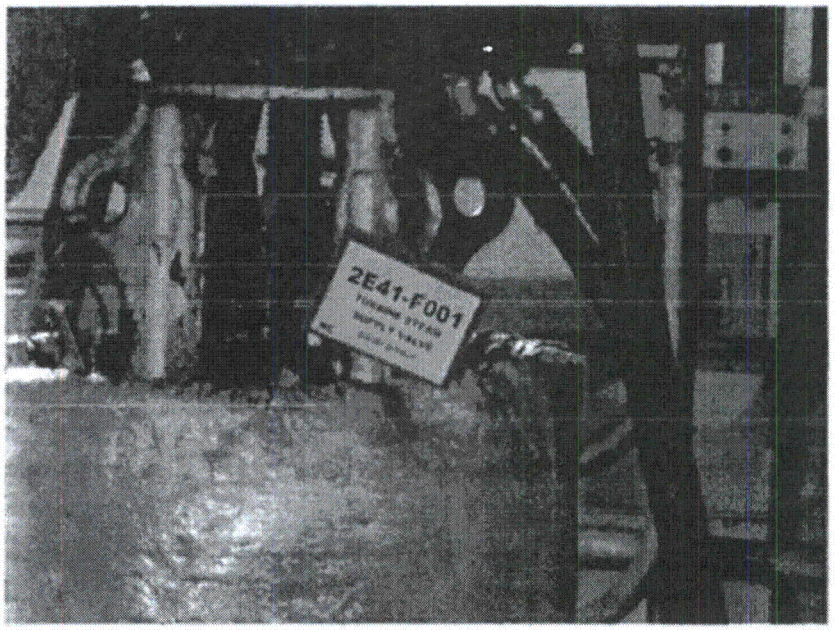
Sheet 3 of 4
Status: Y☒ N☐ U☐

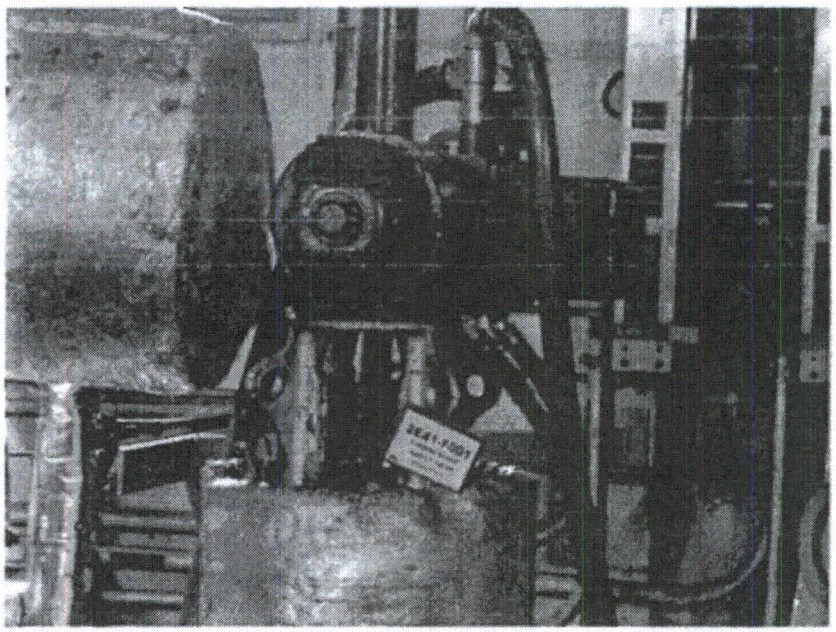
Seismic Walkdown Checklist (SWC)

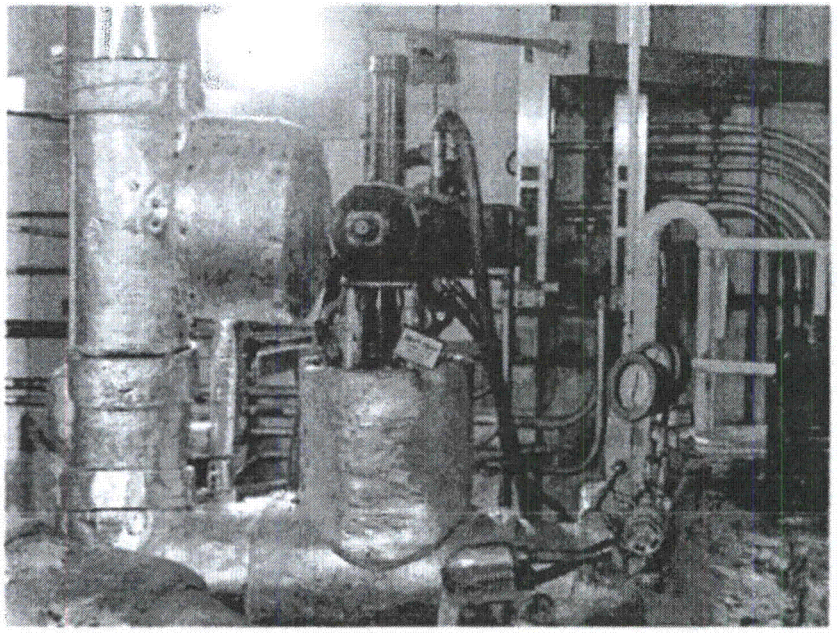
Equipment ID No. *2E41-F001* Equip. Class[1] *8*

Equipment Description *HPCI TURBINE STEAM SUPPLY VLV (MOV)*

Photographs







Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F315A* Equip. Class[1] *8*

Equipment Description *PSW RX BLDG DIV 1 ISOL VLV A*

Location: Bldg. *YARD* Floor El. *117* Room, Area *Unit 2 Div. 1 pit*

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)? *Inline item.* 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. *2P41-F315A* Equip. Class[1] *8*

Equipment Description *PSW RX BLDG DIV 1 ISOL VLV A*

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)

Surface corrosion was observed on the pipe flange however this is judged as not a potentially adverse seismic condition by the SWEs.

Evaluated by: *KURSAT KINALI* Date: *9/27/2012*

JOHN MCFARLAND *9/27/2012*

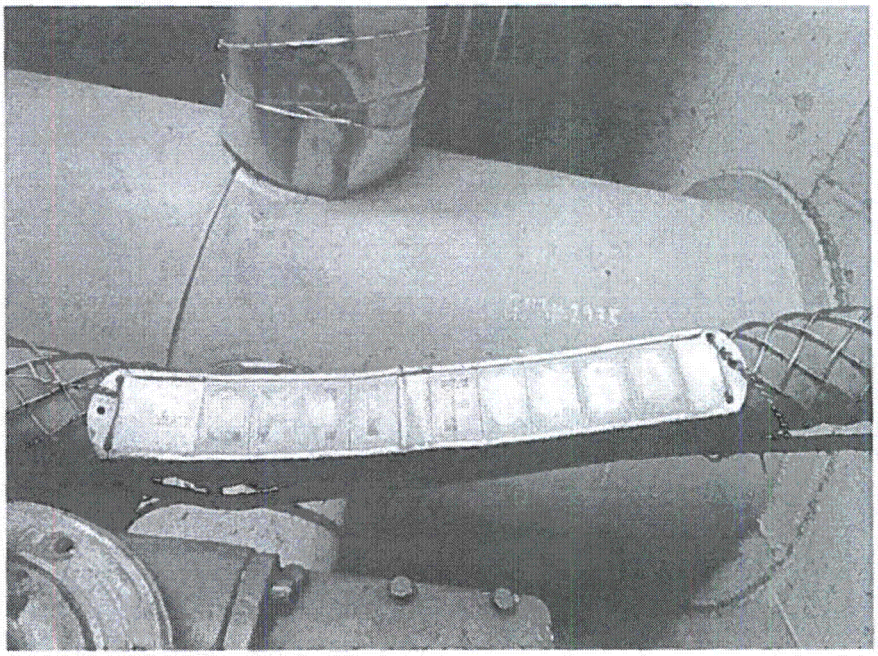
Status: Y☒ N☐ U☐

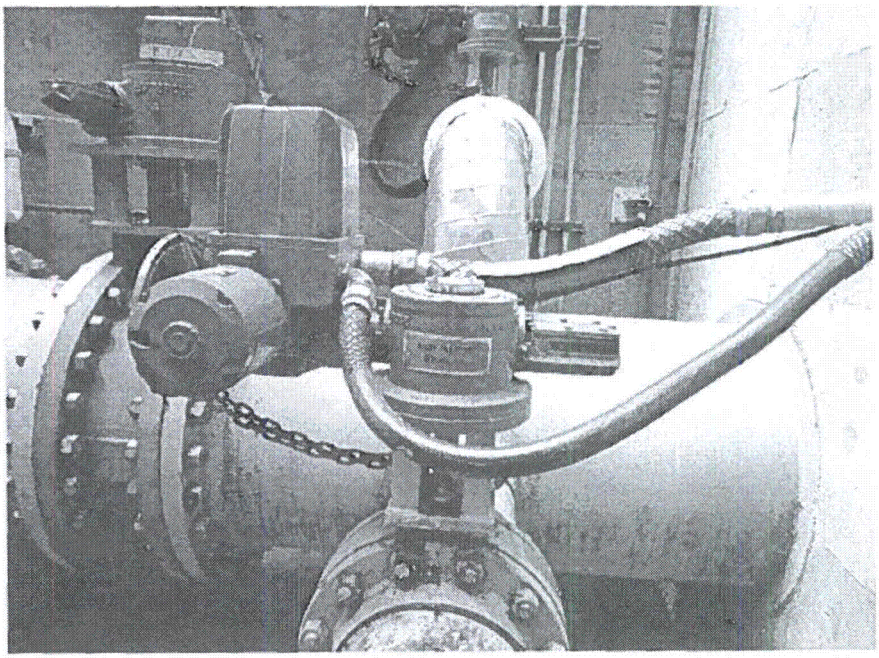
Seismic Walkdown Checklist (SWC)

Equipment ID No. *2P41-F315A* Equip. Class[1] *8*

Equipment Description *PSW RX BLDG DIV 1 ISOL VLV A*

Photographs





Status: Y☒ N☐ U☐

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2R43-F042A* Equip. Class[1] *8*

Equipment Description *DIESEL AIR START SOLENOID VLV*

Location: Bldg. *DIESEL* Floor El. *130* Room, Area *2A*

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)? *INLINE ITEM* — 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. *2R43-F042A* Equip. Class[1] *8*

Equipment Description *DIESEL AIR START SOLENOID 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 with item 2R43-S001A.

Evaluated by: *Kursat Kinali* Date: *9/7/2012*

Wesley Williams *9/7/2012*

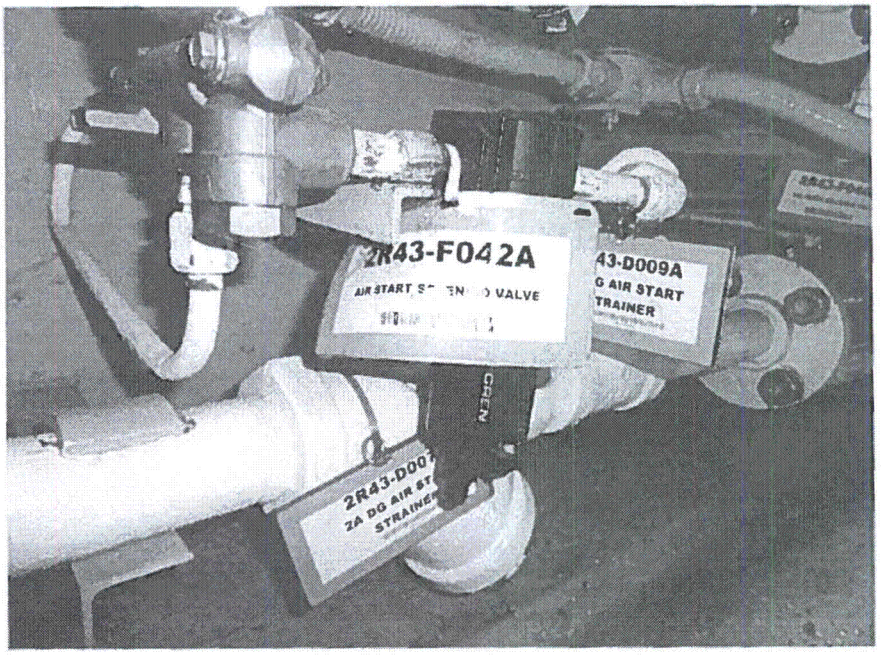
Status: Y☒ N☐ U☐

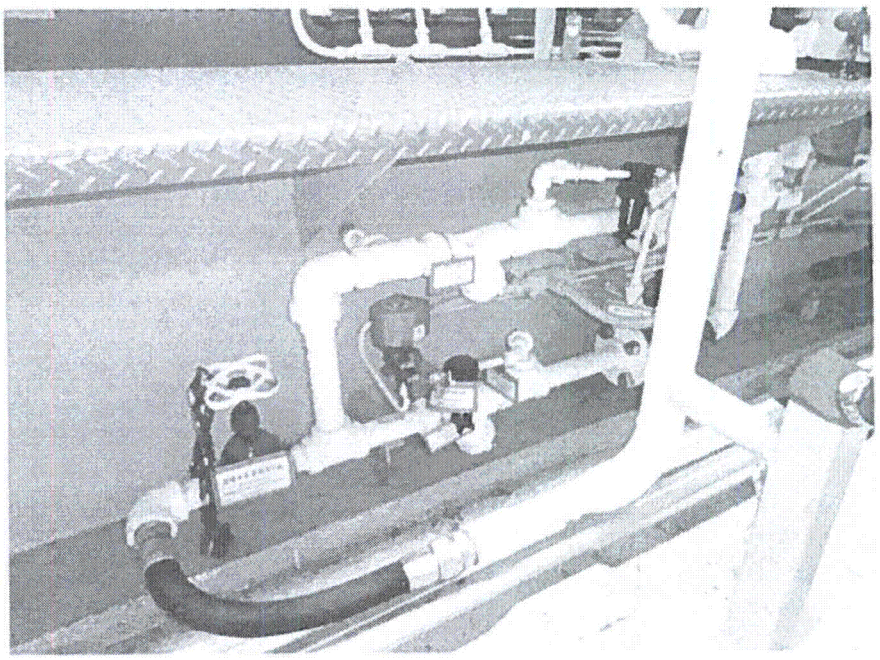
Seismic Walkdown Checklist (SWC)

Equipment ID No. *2R43-F042A* Equip. Class[1] *8*

Equipment Description *DIESEL AIR START SOLENOID VLV*

Photographs





Sheet 1 of 7

Status: Y☒ N☒ U☐

JHH 10/26/12

Seismic Walkdown Checklist (SWC)

Equipment ID No. 2E11-F004A Equip. Class[1] 8

Equipment Description Torus Suction Valve (MOV)

Location: Bldg. REACTOR Floor El. 87 Room, Area NE 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☒
   This 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. *2E11-F004A* Equip. Class[1] *8*

Equipment Description *Torus Suction Valve (MOV)*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☒ U☐ N/A☐
   The operator for the valve is seated on the grating above the valve support with between 0" and 1" of space along the valve edge (CR 525108). Any seismic movement of the valve operator will cause impact between the motor operator and the platform grating (See Figures 1, 2, and 3). The grating is considered flexible compared to the valve operator and valve stem. So damage of the valve is unlikely. But having safety related valve operators this close to building structures is no seismically acceptable. Therefore, removal of the grating such that a minimum of 1" spacing is clear around the surface of the operator
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 tube track supporting one of the flex conduits attached to the valve has four holes for screws at the edge of the tube track that do not have screws in them. It appears that the holes were for a section of track that was later removed or never installed, so there are no missing screws. The track is adequately supported, so there is no potentially adverse seismic condition.
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)

None

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

Jeff Horton *09/24/2012*

Sheet 3 of 7

Status: Y☒ N☒ U☐

JHH 10/26/12

Seismic Walkdown Checklist (SWC)

Equipment ID No. *2E11-F004A* Equip. Class[1] *8*

Equipment Description *Torus Suction Valve (MOV)*

Photographs

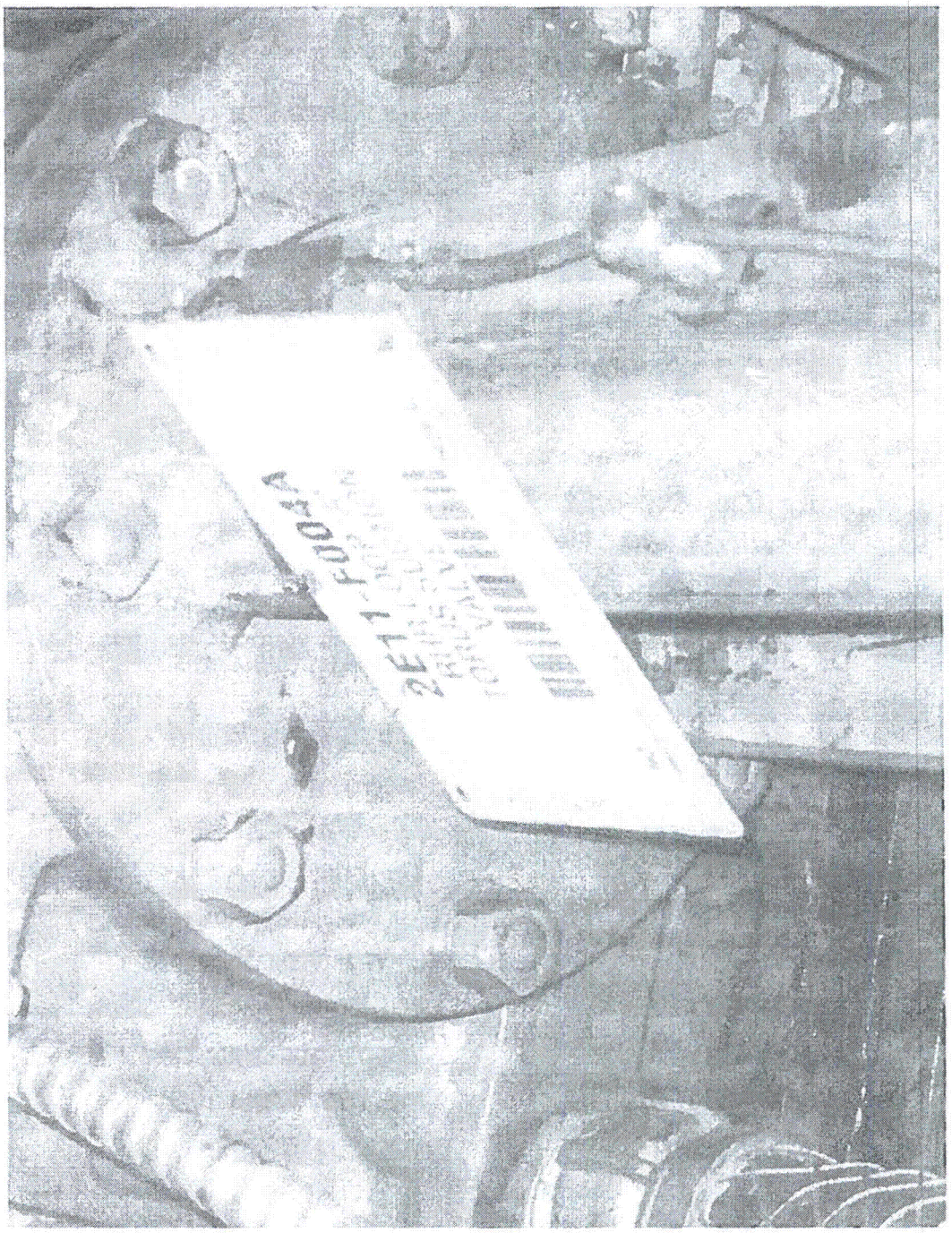


Figure 1 – Equipment ID No (2E11-F004A)

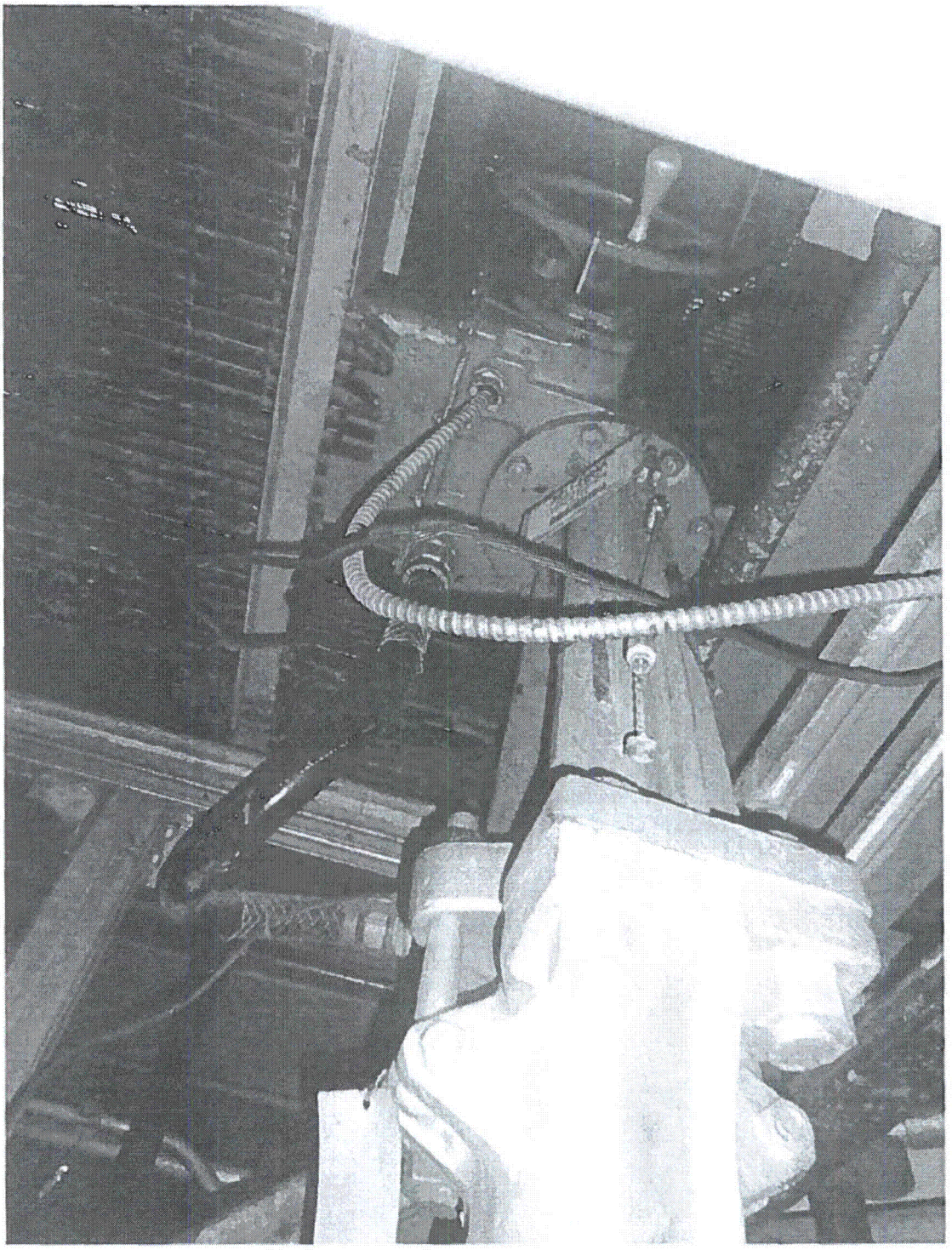


Figure 2 – Equipment Elevation (2E11-F004A)

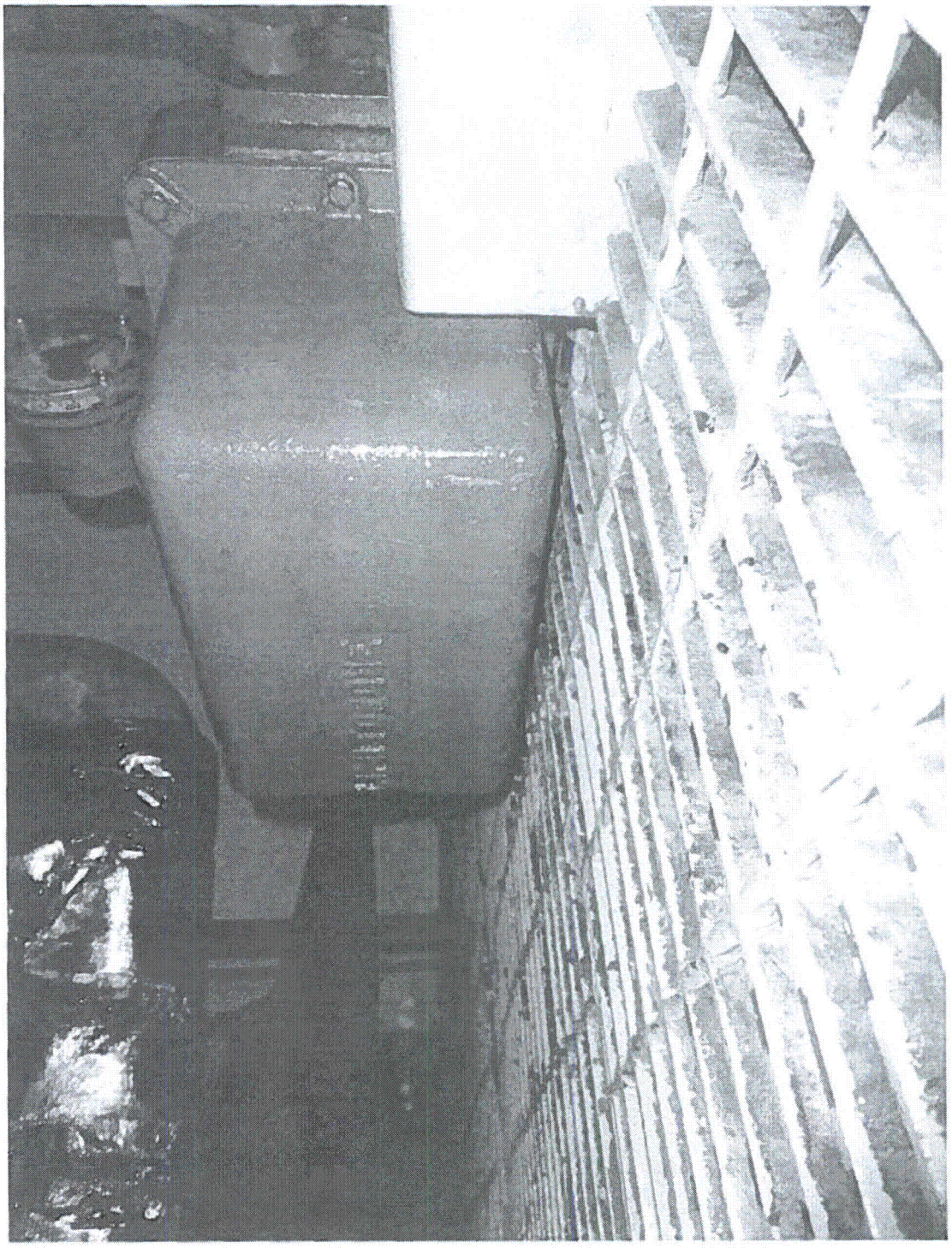


Figure 3 – Spacing Between Valve Operator and Grating (2E11-F004A)

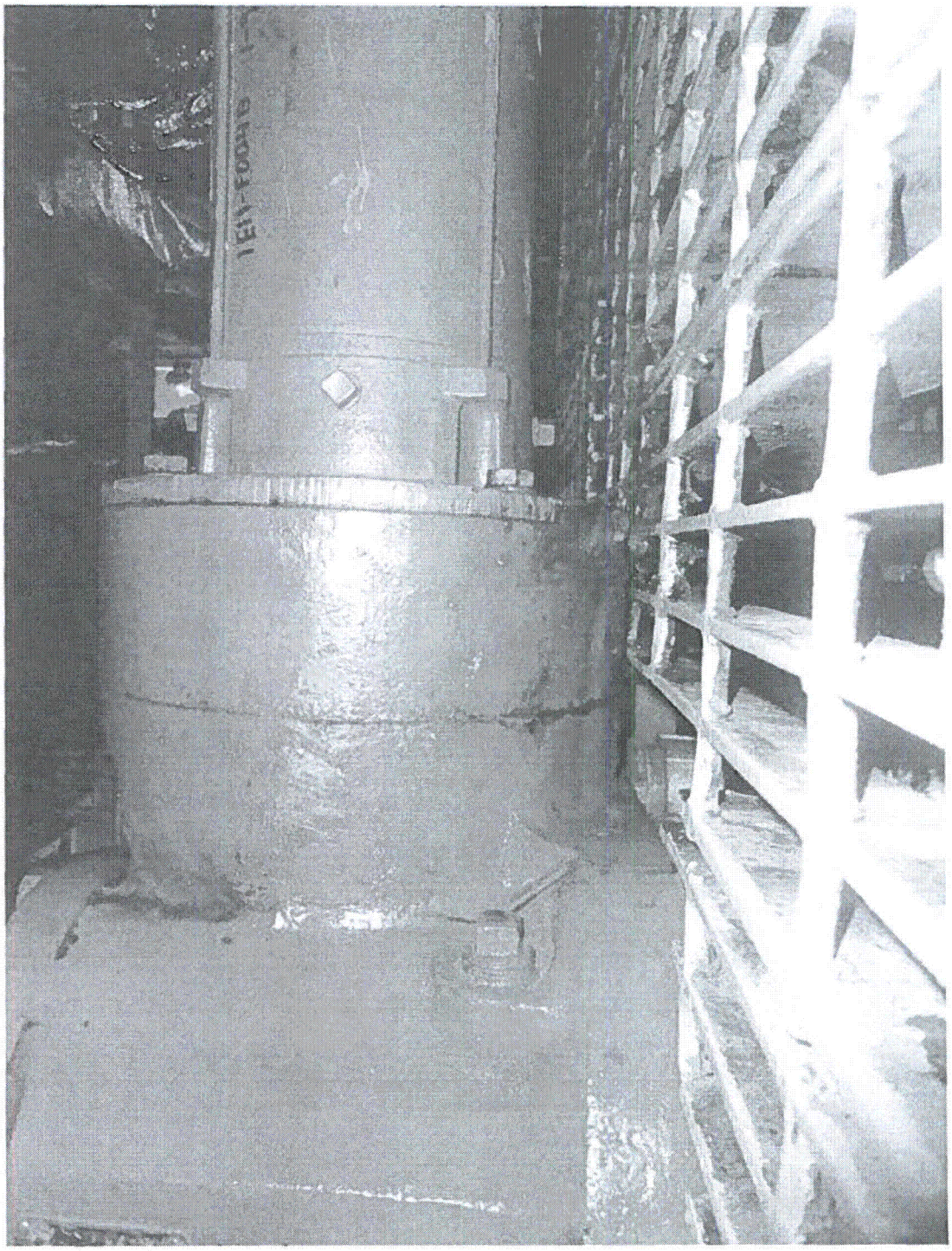


Figure 4 – Spacing Between Valve Operator and Grating (2E11-F004A)

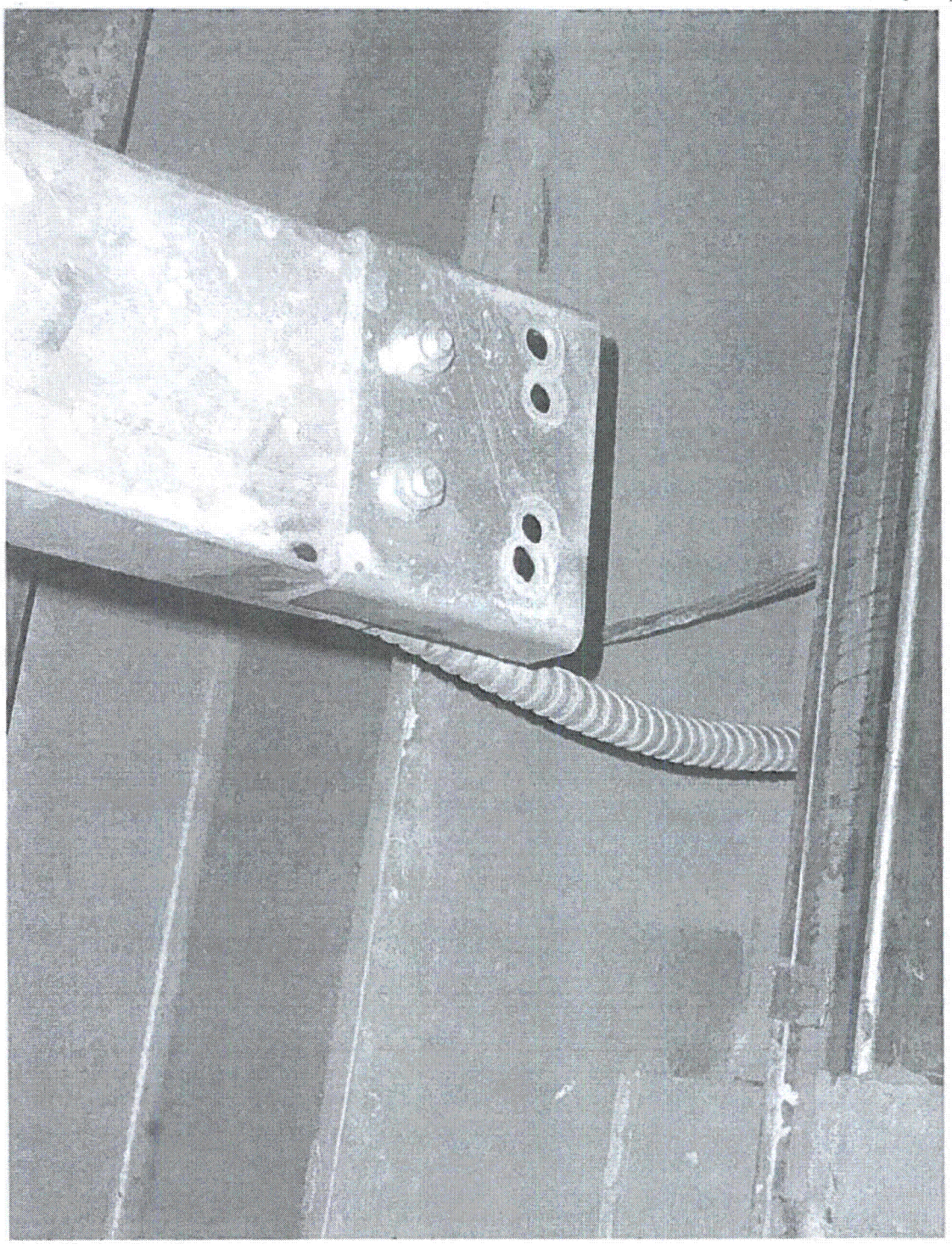


Figure 5 – Empty Tube Track Holes (2E11-F004A)