Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AE205 Equip. Class[12] (19) Vertical Tanks or Heat Exchangers

Equipment Description *Residual Heat Removal Heat Exchanger*

Location: Bldg. *Reactor Enclosure* Floor El. *177* Room, Area *Room 102*

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☐
   - Matches Dwg. # 331-7, Rev. 4

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

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

Equipment ID No. 1AE205 Equip. Class[12] (19) Vertical Tanks or Heat Exchangers

Equipment Description *Residual Heat Removal Heat Exchanger*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   - No soft targets

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☐
   - No overhead equipment or block walls in area

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

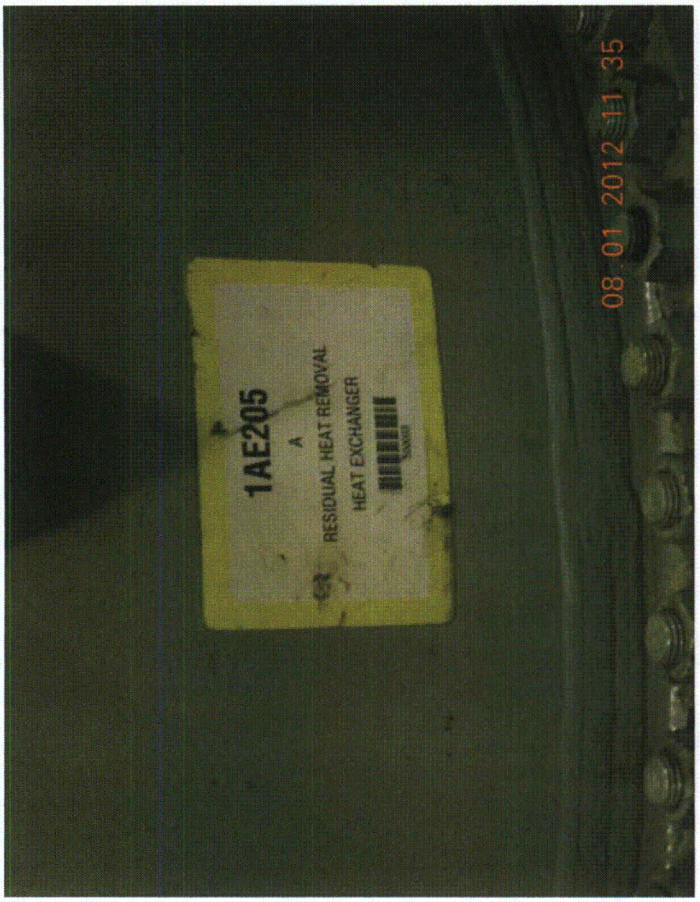
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

N/A

Evaluated by: James Wiggin Date: 8/3/2012

8/3/2012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HEAT EXCHANGER
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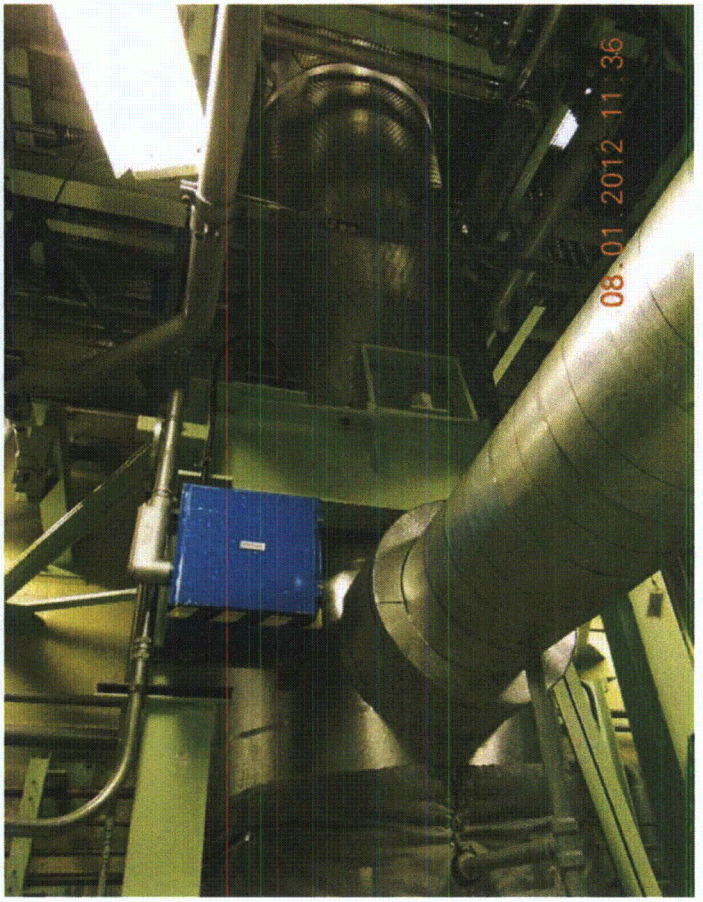
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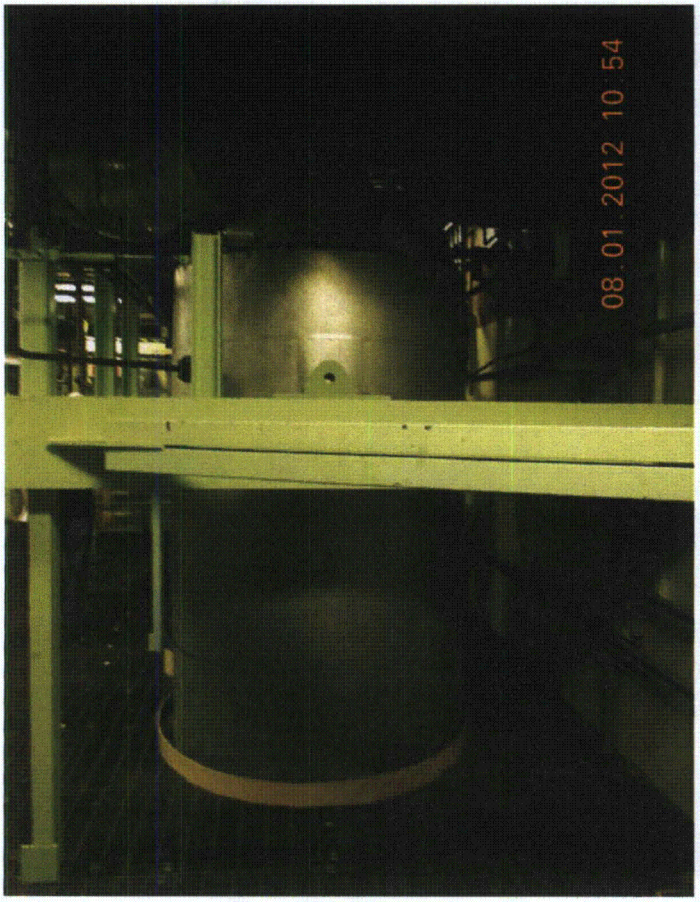
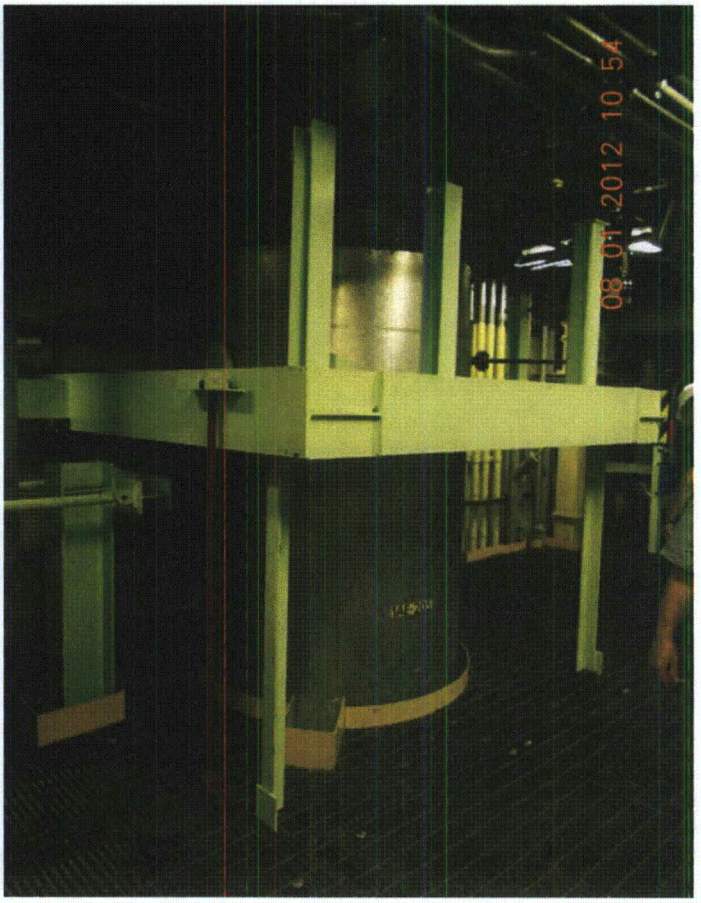
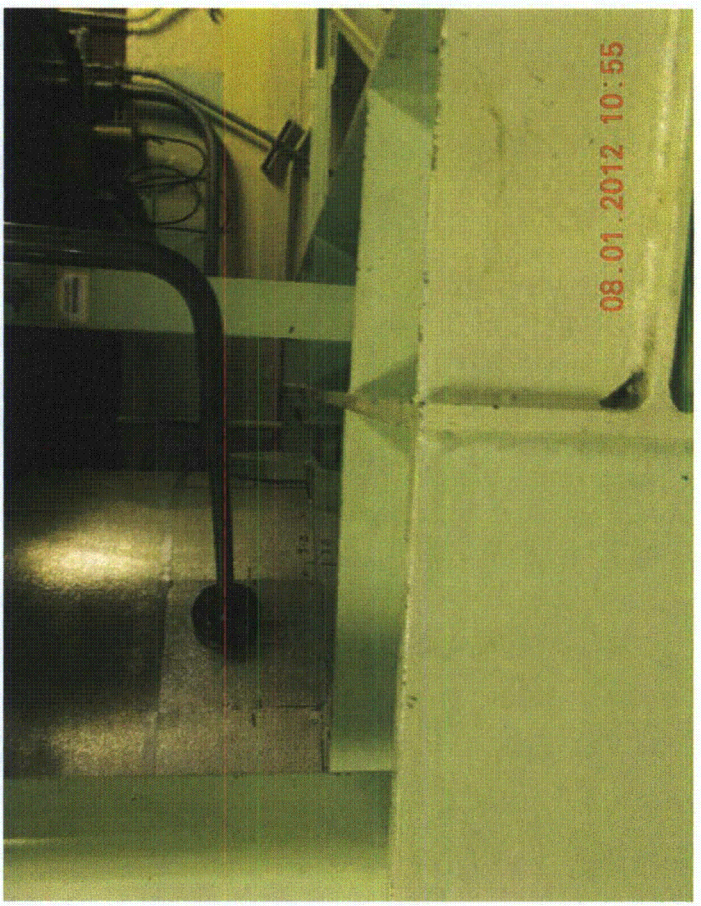
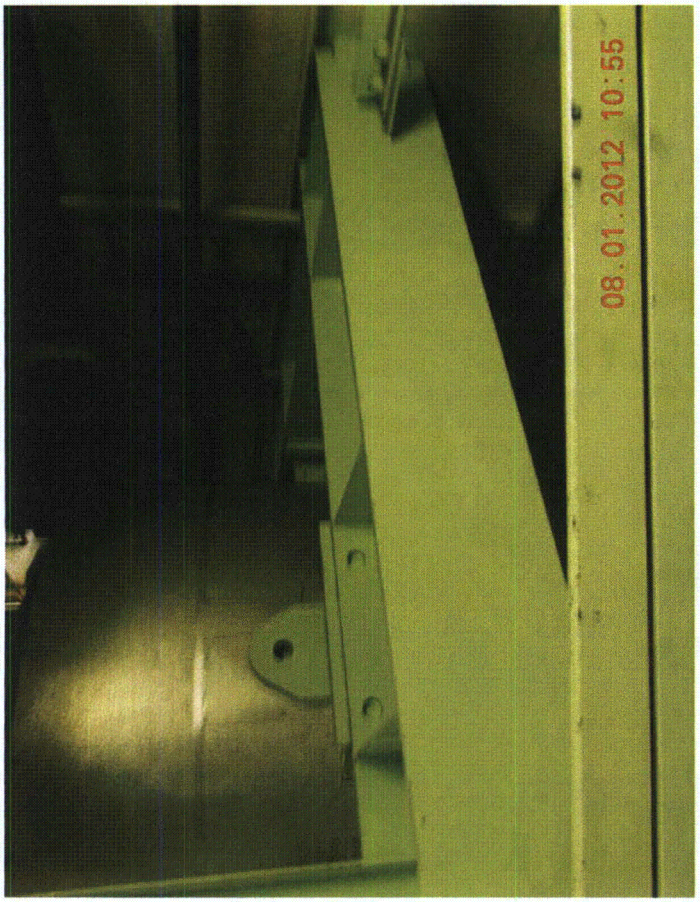
Equipment ID: 1AE205





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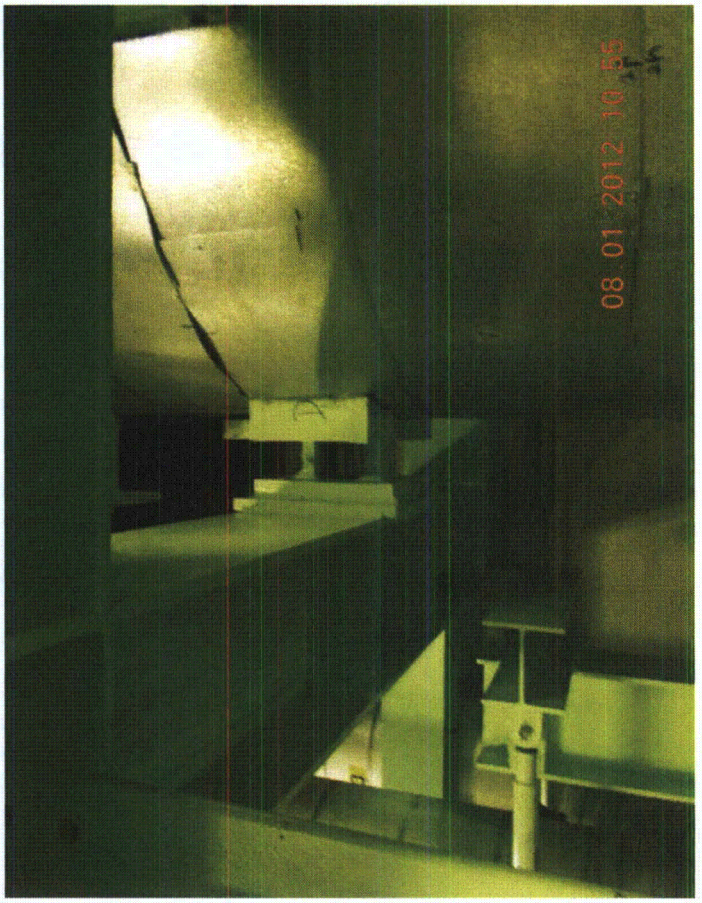
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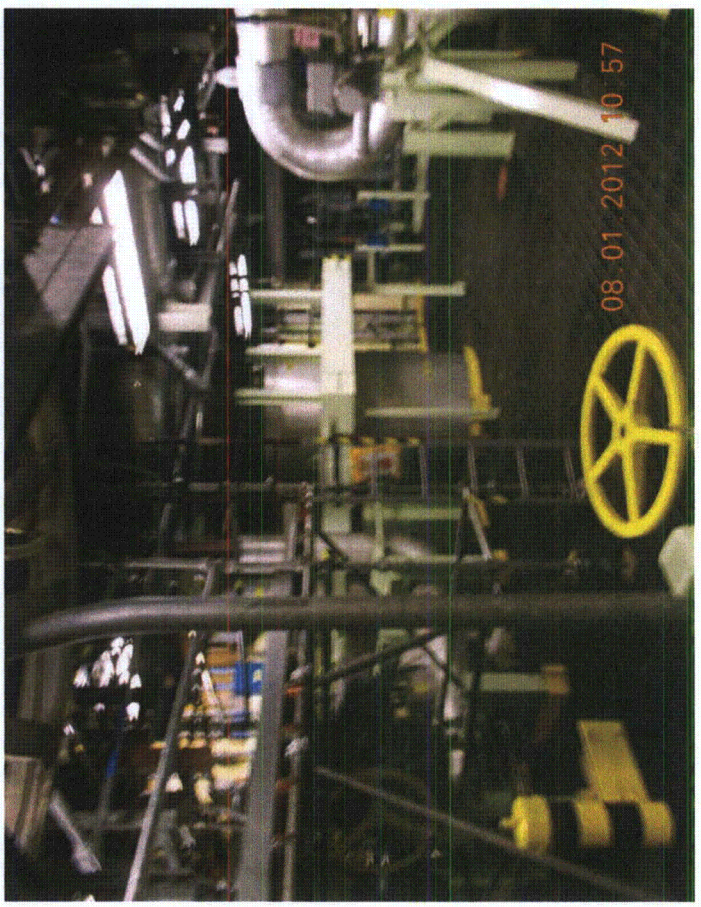
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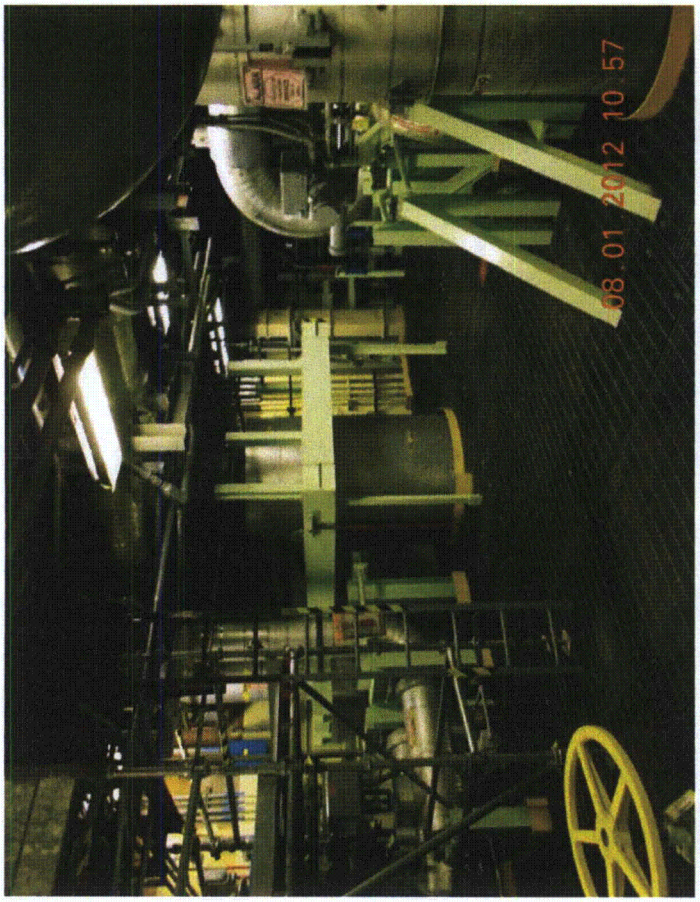

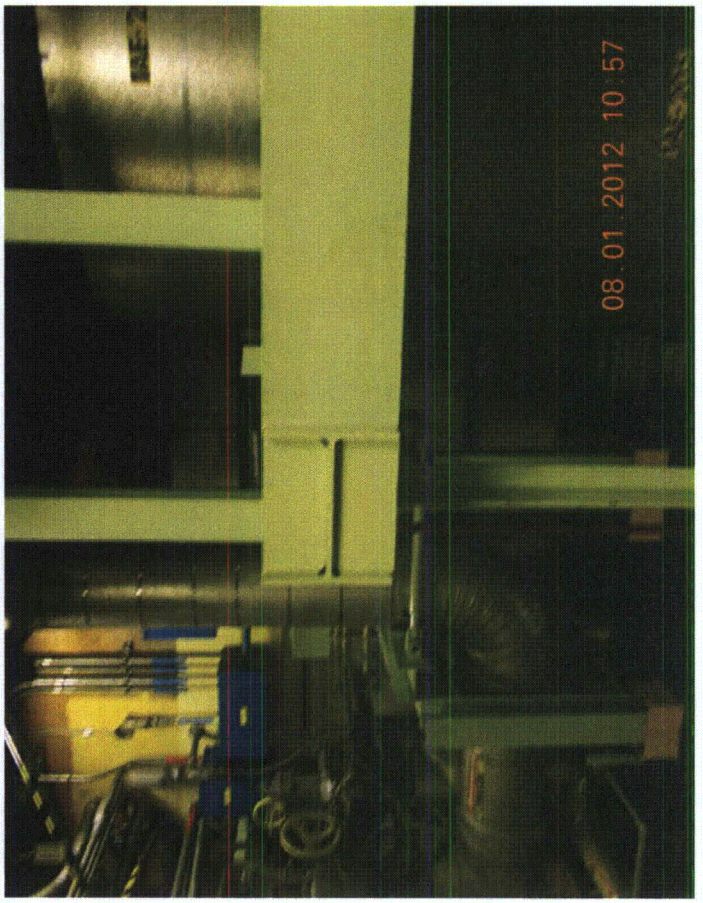

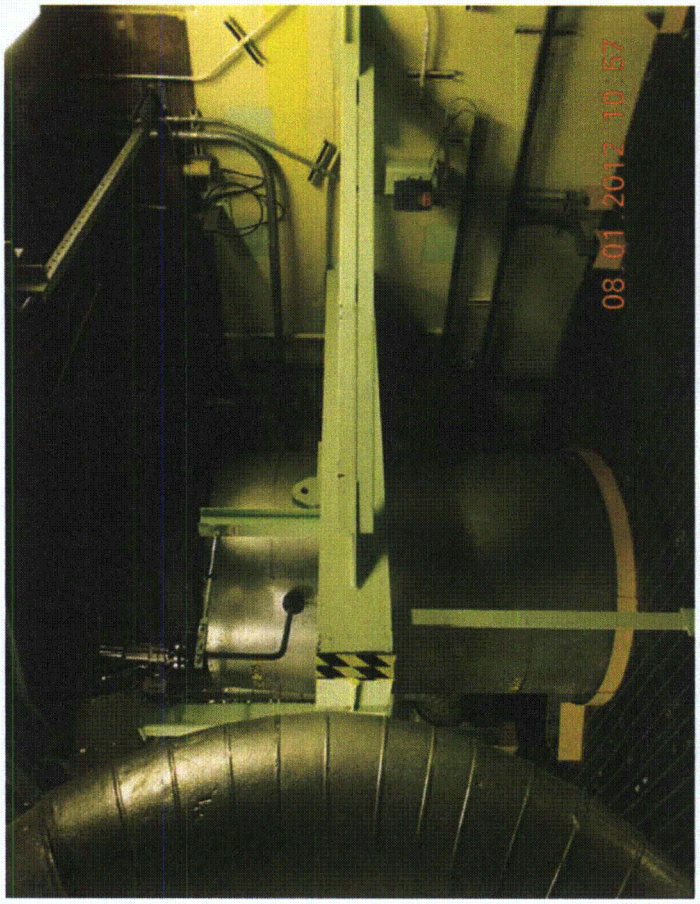

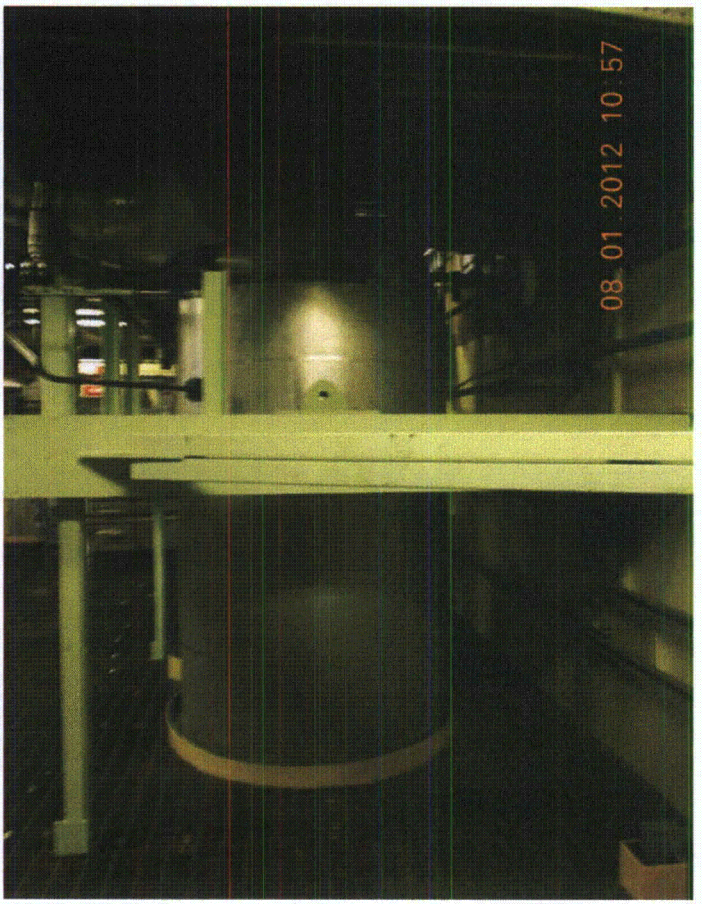


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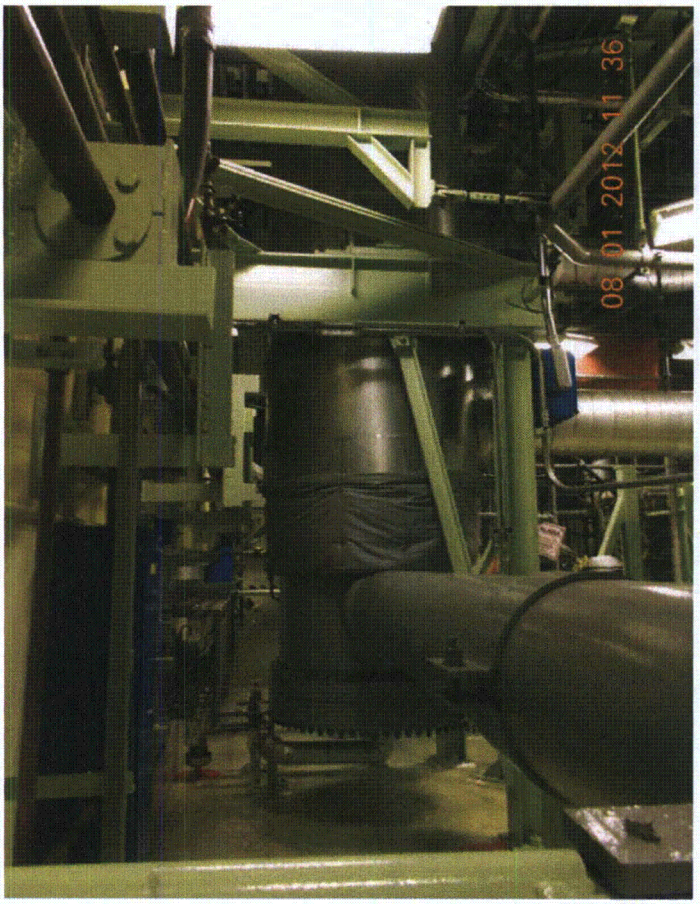
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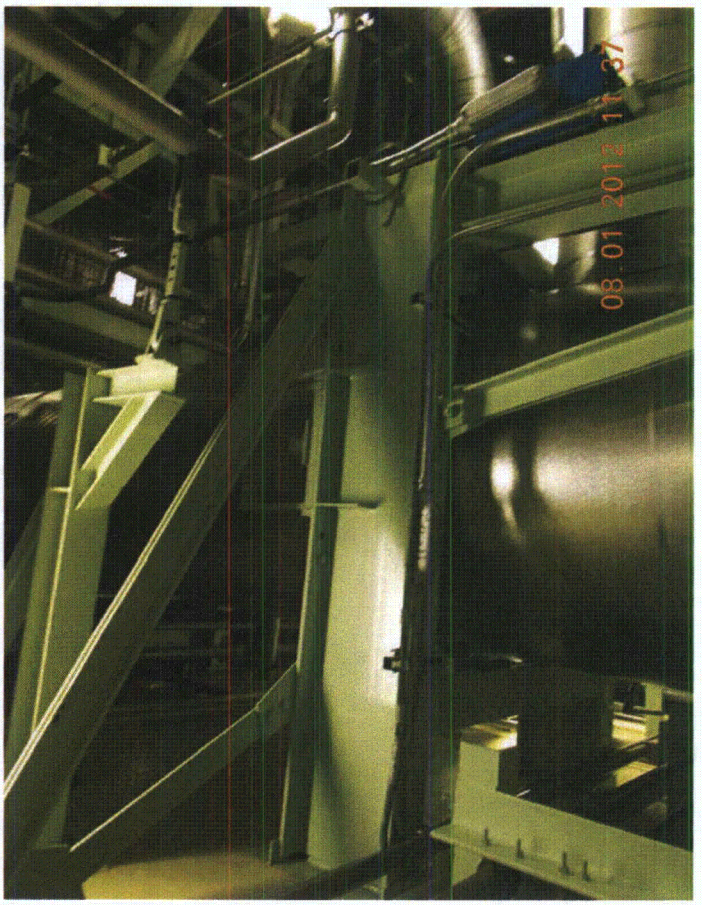
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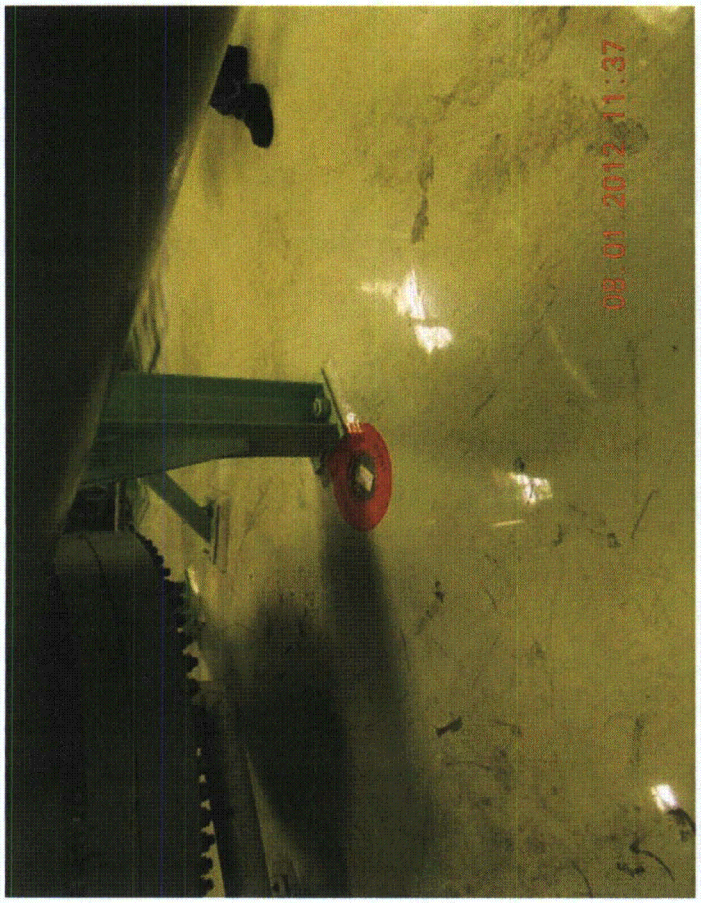
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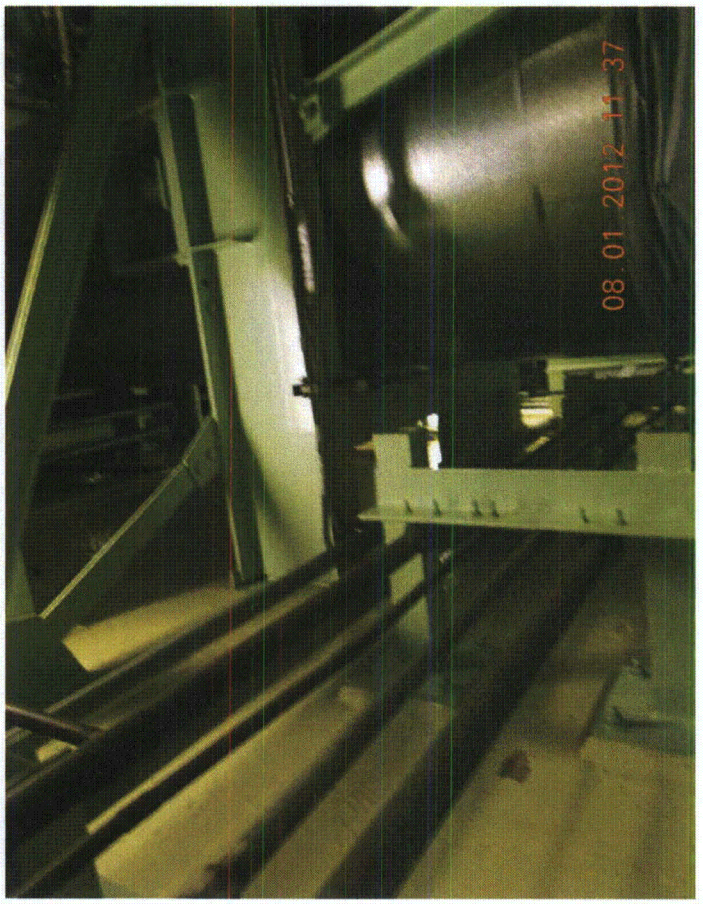
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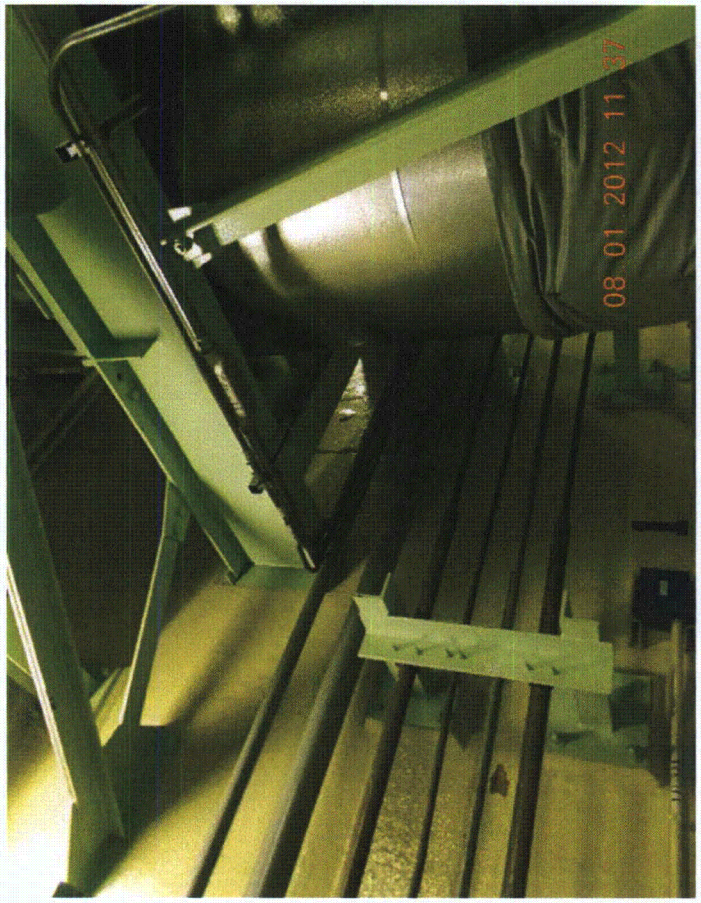
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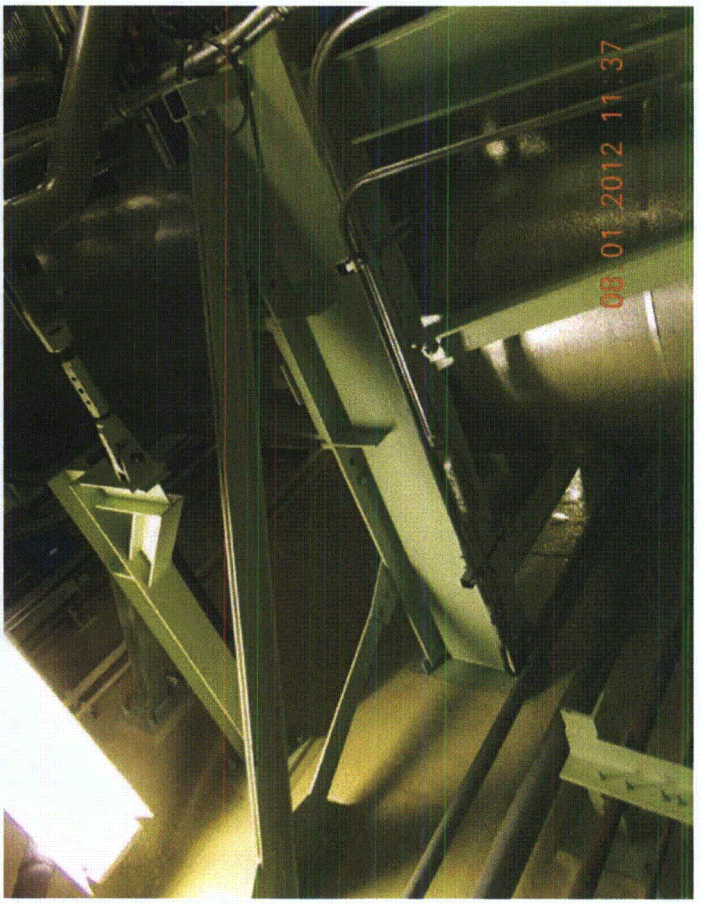
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Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AG501 Equip. Class[12] (15) Engine Generators

Equipment Description *D11 Diesel Generator*

Location: Bldg. *Diesel Generator Building* Floor El. *217* Room, Area *Room 311A*

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☐

   See Colt Dwg. 11870830, Rev. 4.
   MO 9/7/12

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

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

Equipment ID No. 1AG501 Equip. Class[12] (15) Engine Generators

Equipment Description *D11 Diesel Generator*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   Overhead incandescant light bulbs could fall. No soft targets identified in path. Judged to be acceptable. Fixtures are adequately restrained.
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☐
   See above for lighting. Confirm Overhead crane is designed for II over I. Per Limerick calculation 042.002.003, Rev. 3 the EDG enclosure crane is designed for seismic loading. mo 9/7/12
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)

Evaluated by: [signature] Date: 8/3/12

M. Ogbaa 8/3/12

(SWC 1AG-501)

Summary of results:

The existing diesel building crane/girders remain qualified to design seismic acceleration per spec G-14 and to the as built and latest crane information.

Design Input:

1. Limerick Spec G-14, rev. 7 (for seismic accelerations)
2. SDOC DWG. M-028-00068, Rev. 3 (for trolley and bridge weights and dimensions)

References:

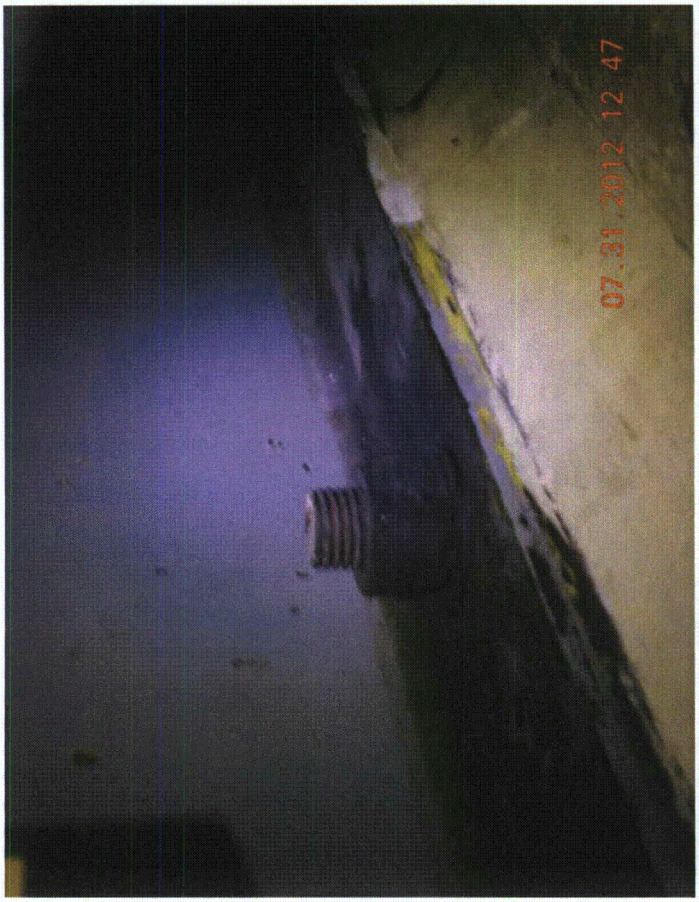
See pages 1e – 2.1

Assumptions:

None

Methodology/Approach:

Seismic accelerations from Limerick Spec G-14 will be used along with the latest crane information and the latest as-built information. The bridge crane/girders are re-analyzed to reflect the latest information as follows.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Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AG502 Equip. Class[12] (18) Control Panels & Cabinets

Equipment Description *D11 EDG Excitation System Cabinet*

Location: Bldg. *Diesel Generator Building* Floor El. *217* Room, Area *Room 311A*

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.

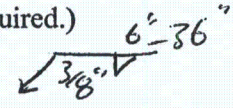
Anchorage

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☐
(NW) Front left corner has been repaired and appears to be free from any crack/defect. OK CBL

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☒
Drawing shows anchor bolts. Field shows stitch weld. Configuration is different.


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

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

Equipment ID No. 1AG502 Equip. Class[12] (18) Control Panels & Cabinets

Equipment Description *D11 EDG Excitation System Cabinet*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☑ N☐ U☐ N/A☐
   there is an overhead light bulb in the high ceiling. if that falls, and falls on the path to hit the cabinet with soft instruments, there is a vent hood on the top of cabinet that will give it a parabola path that will prevent it from hitting these soft targets. (See comments)
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☐
   no masonary block walls. HVAC line is solid. all the big wires come from the bottom. the above cabletray is less than 50% full. OK. Fixtures appear adequately attached
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

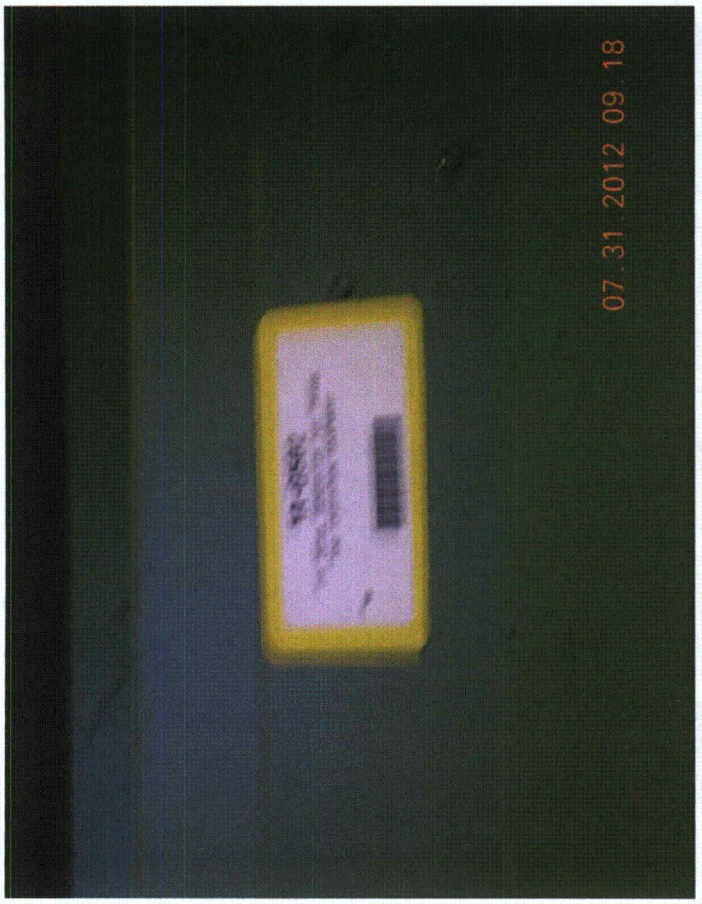
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☑ N☐ U☐

Comments (Additional pages may be added as necessary)

Soft targets are not in potential falling path of fluorescent bulbs.

Evaluated by: _____ Date: 8/3/12

_____ 8/3/12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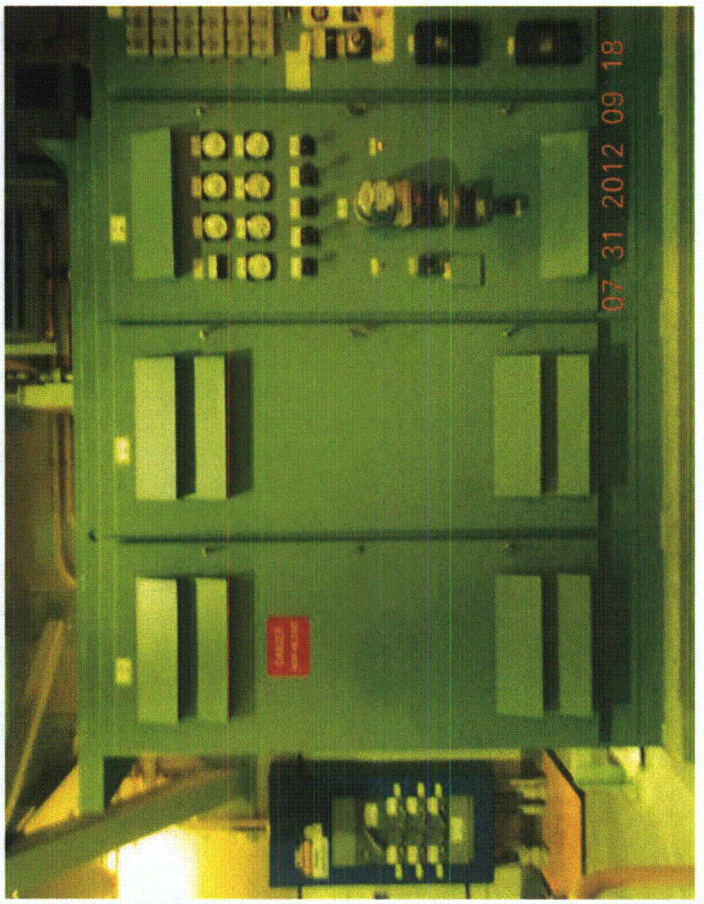
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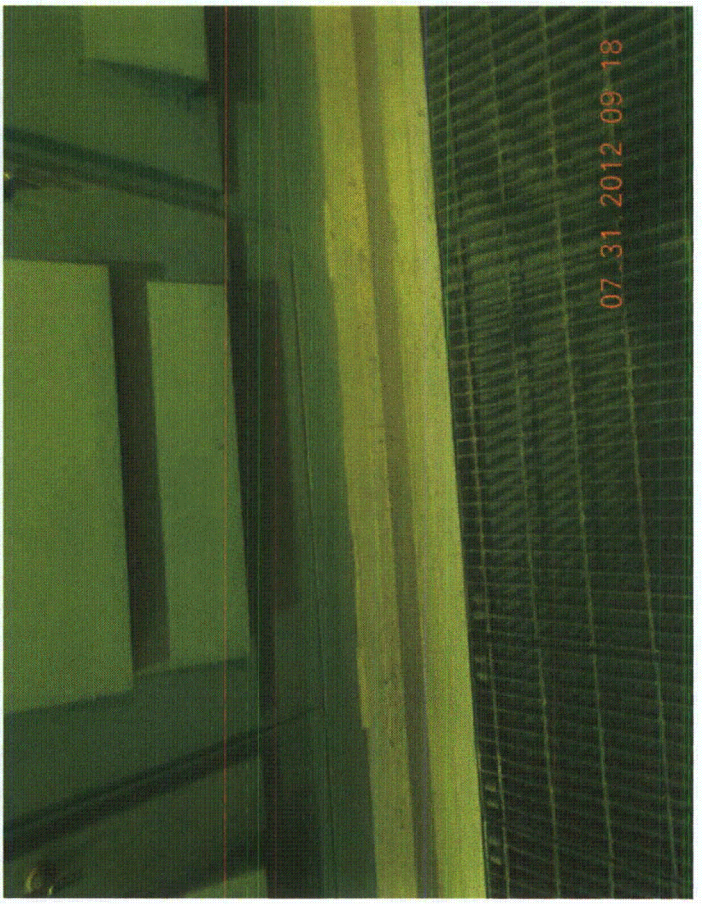
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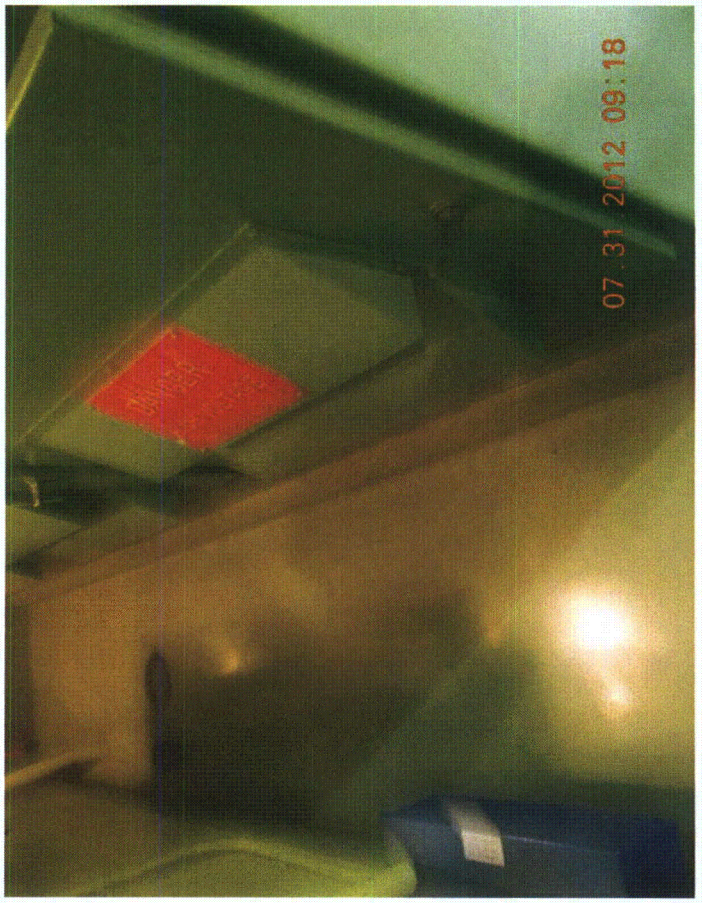
Equipment ID: 1AG502



Seismic Walkdown Checklist (SWC)

Equipment ID No. ~~1ATB124~~ 1AJ860 Equip. Class[12] ~~(18) Control Panels & Cabinets~~ (18) Control Panels & Cabinets

Equipment Description ESS DIV I

Location: Bldg. ~~Diesel Oil Storage Tank~~ Underground structure Floor El. 206 Room, Area Yard

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 to moderate surface corrosion deemed acceptable

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☐

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

Equipment ID No. ~~1ATB124~~ 1AJ860 Equip. Class[12] (18) Control Panels & Cabinets

Equipment Description ESS DIV 1

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   - No soft targets

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☐
   - No overhead equipment or block walls

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☐

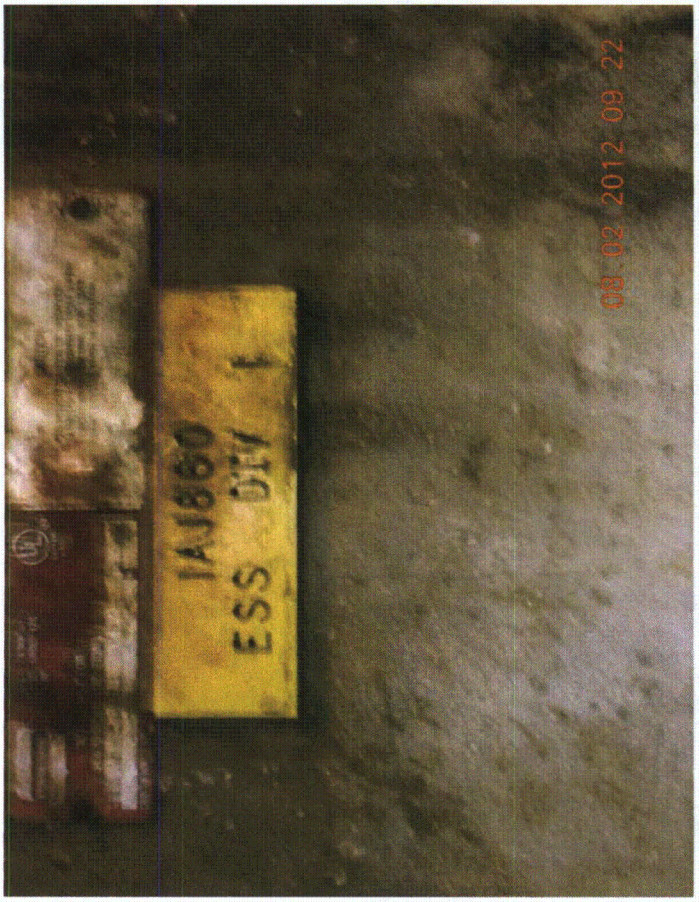
Comments (Additional pages may be added as necessary)

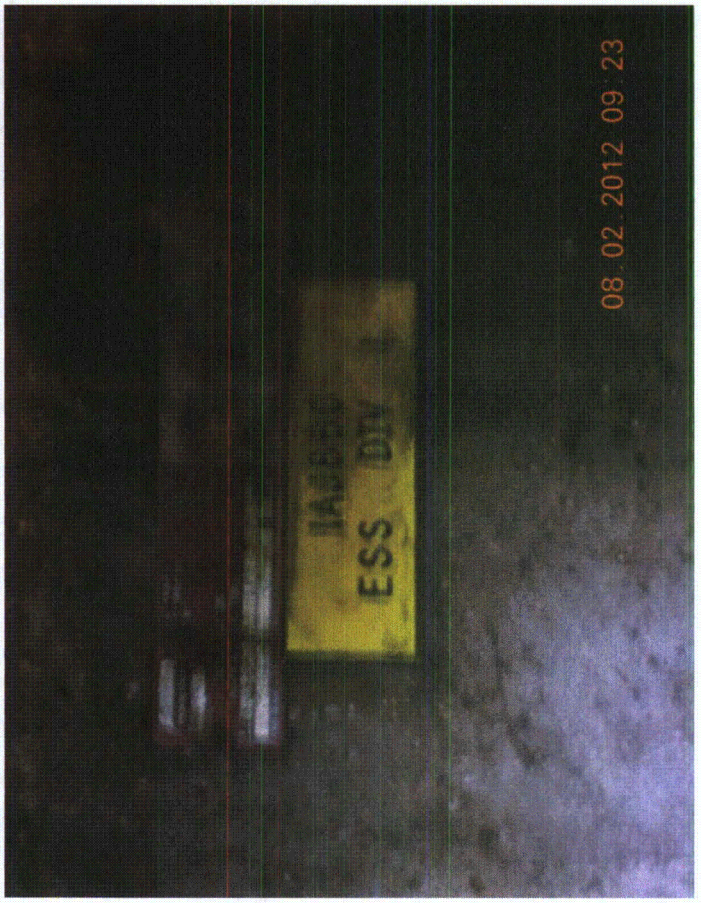
N/A

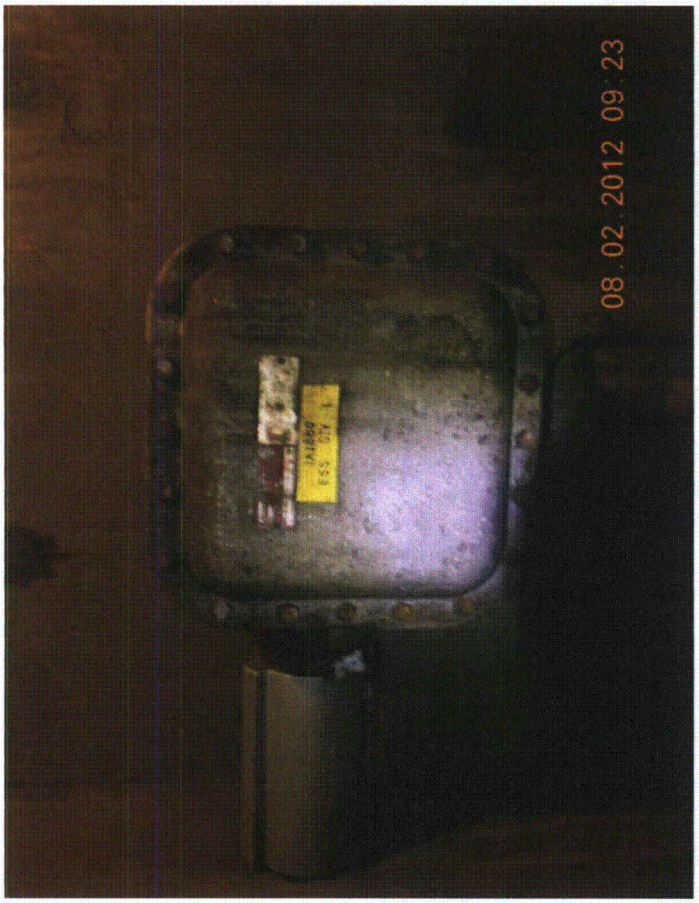
Evaluated by: [signature] Date: 8/3/2012

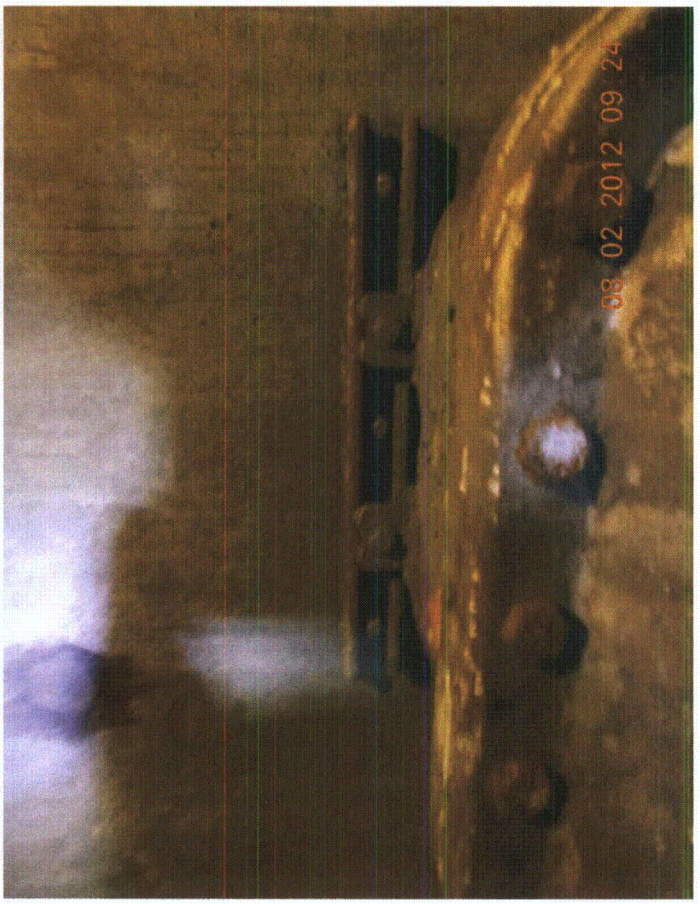
James Wiggin 8/3/2012

Equipment ID: 1AJ860









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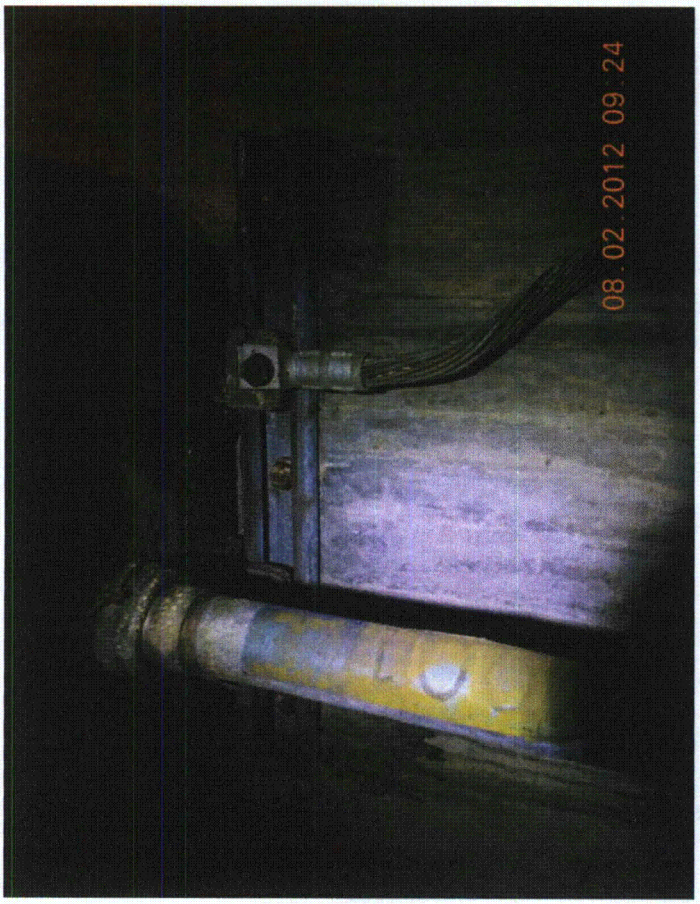
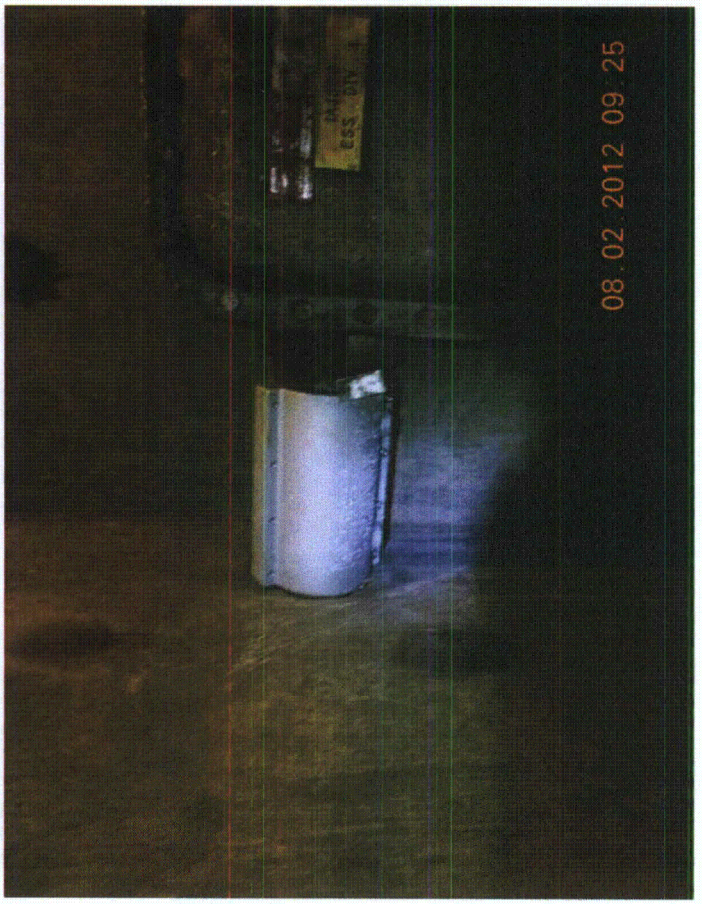
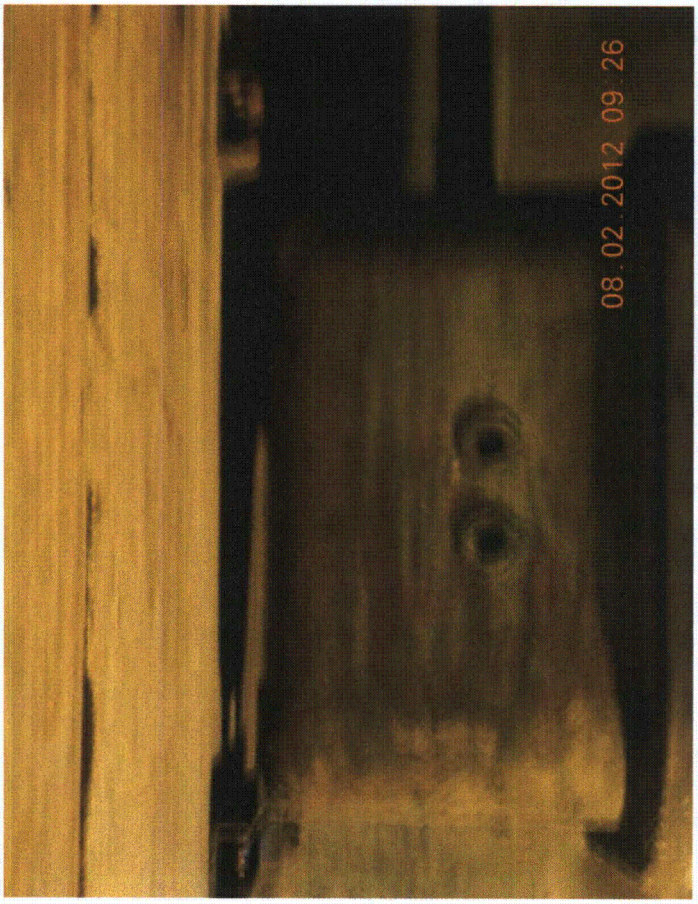
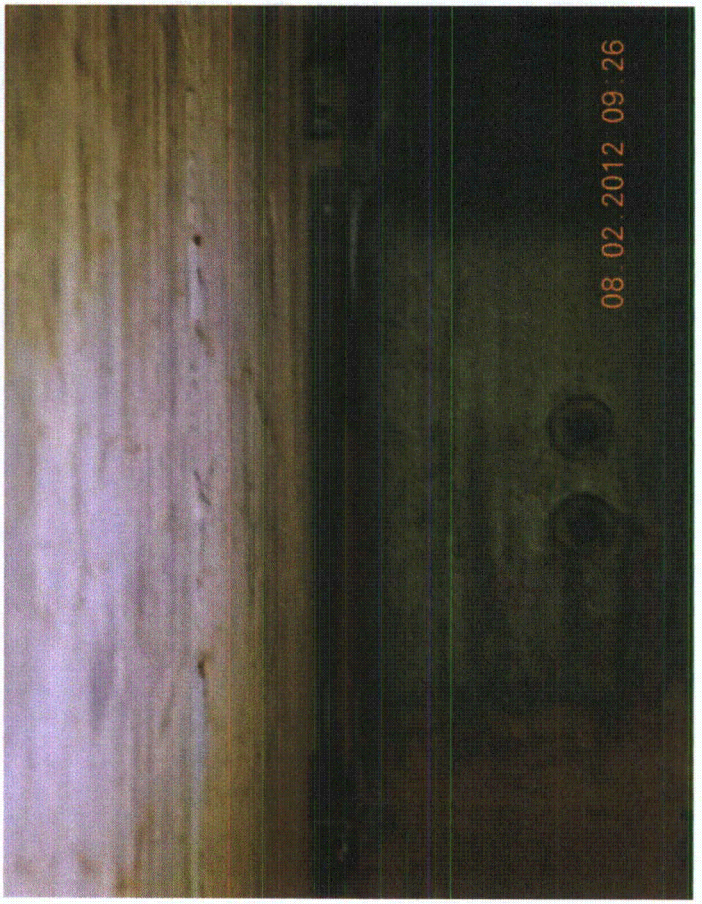
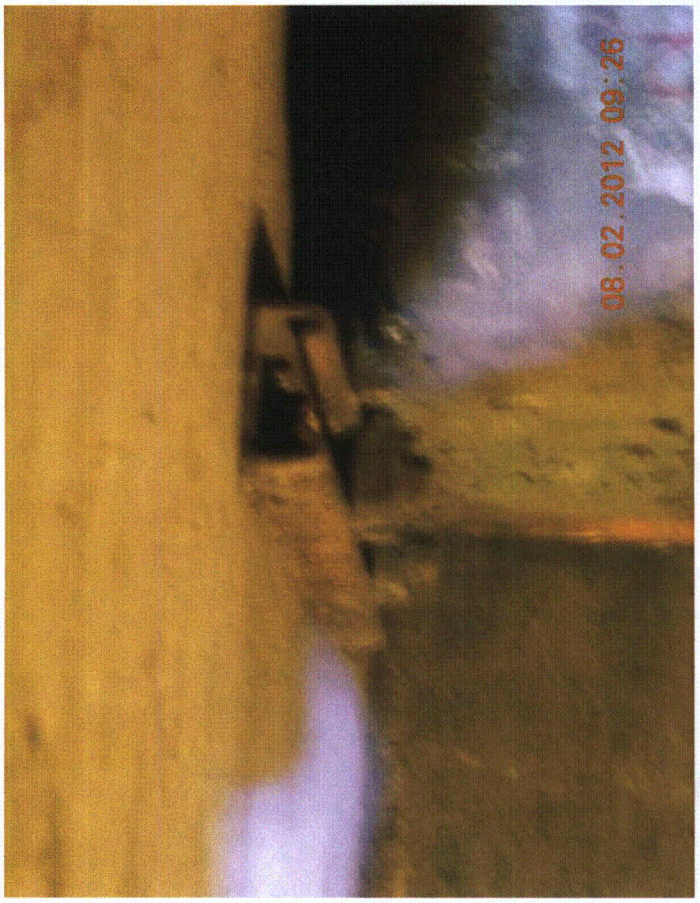


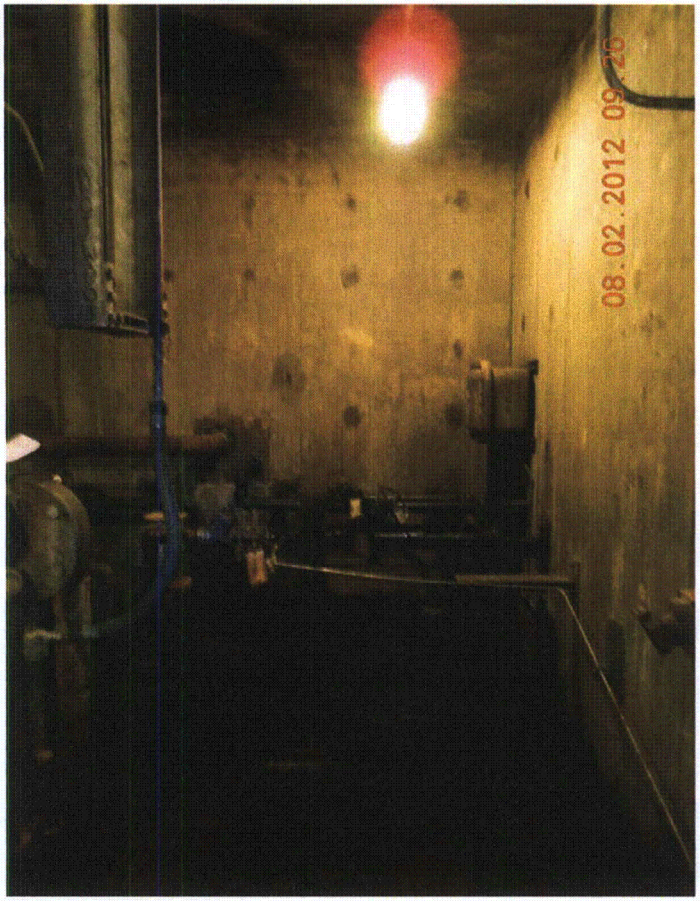


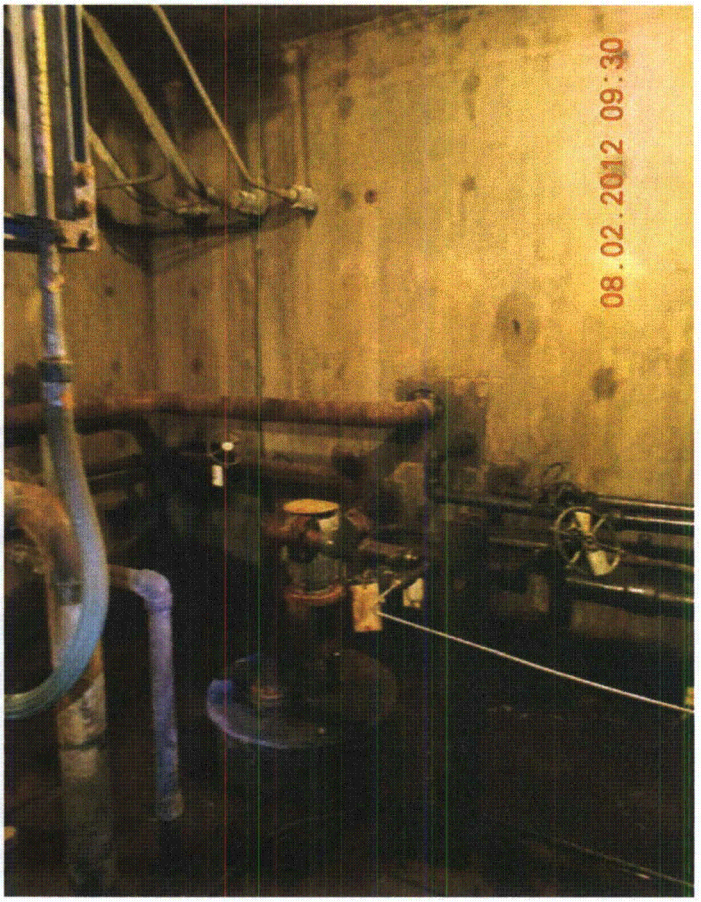




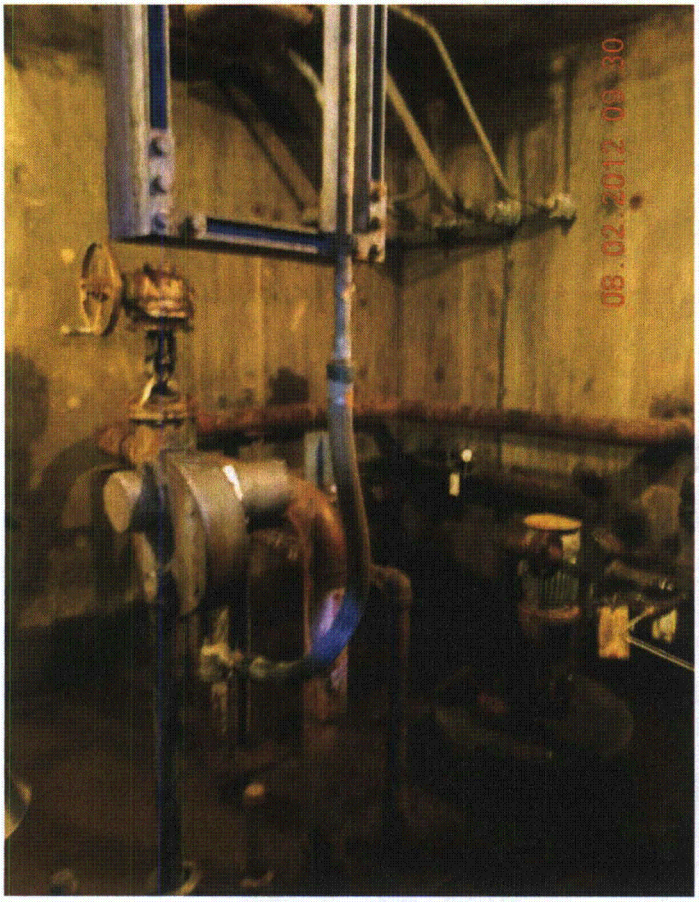
Equipment ID: 1AJ860

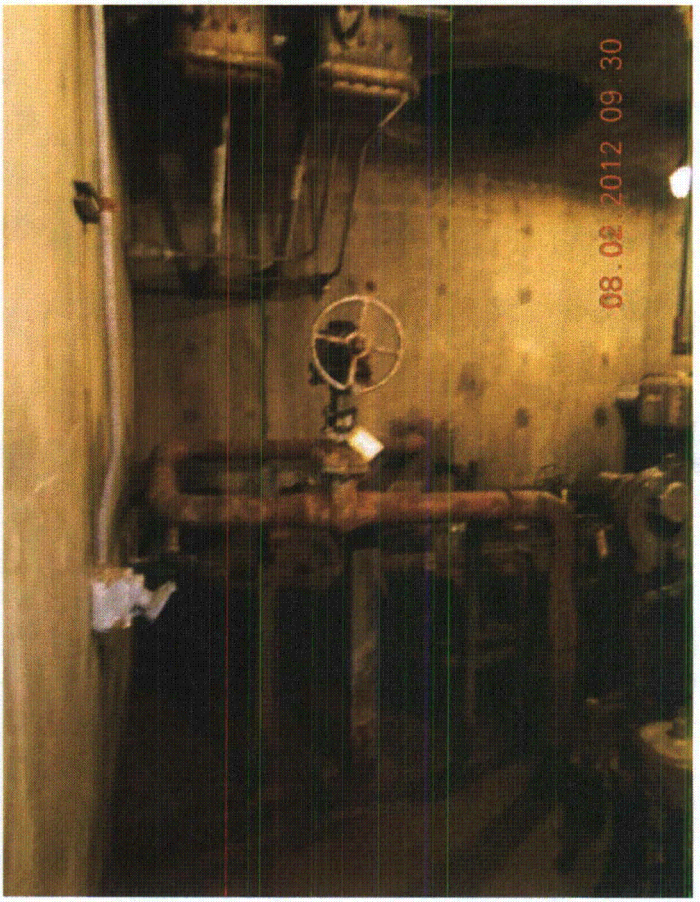


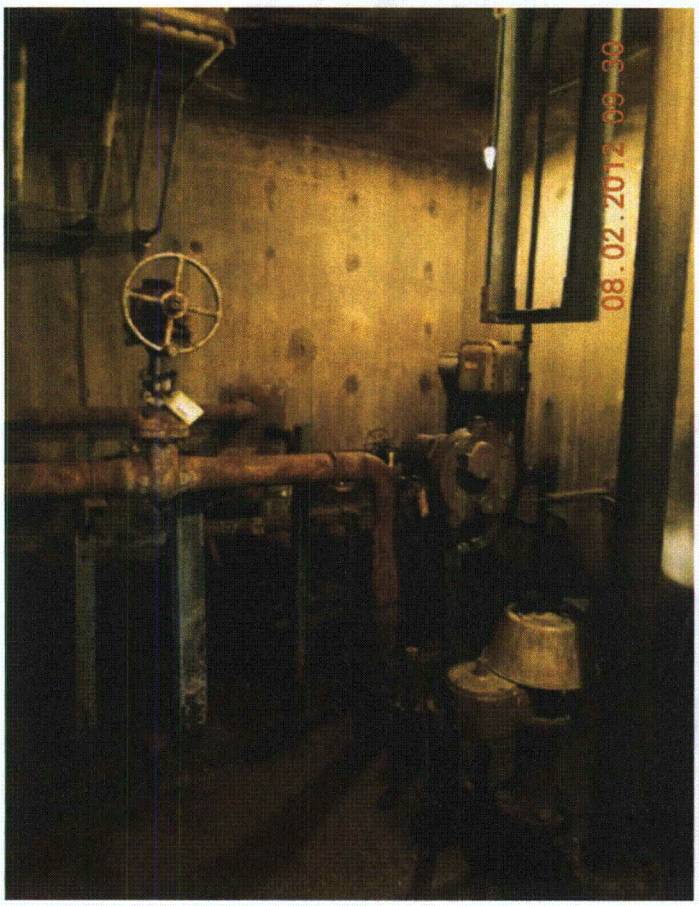


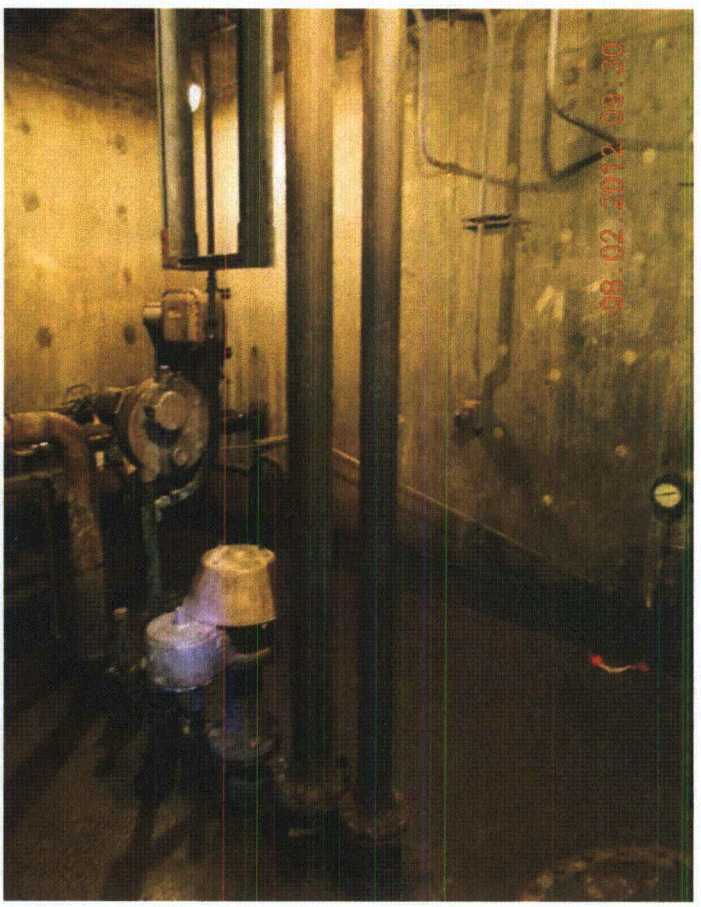


Equipment ID: 1AJ860









Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AP202 Equip. Class[12] (04) Vertical Pumps

Equipment Description *RHR Pump*

Location: Bldg. *Reactor Enclosure* Floor El. *177* Room, Area *Room 102*

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☐
   - Anchors double-nutted with top nuts not fully engaged; top nut used as a lock washer, not for structural support

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☐
   - Matches Dwg. # 8031-M-1-E11-C002-C-5.4, Rev. 8

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

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

Equipment ID No. 1AP202 Equip. Class[12] (04) Vertical Pumps

Equipment Description *RHR Pump*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   - No soft targets

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☐
   - No overhead equipment or block walls

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☐

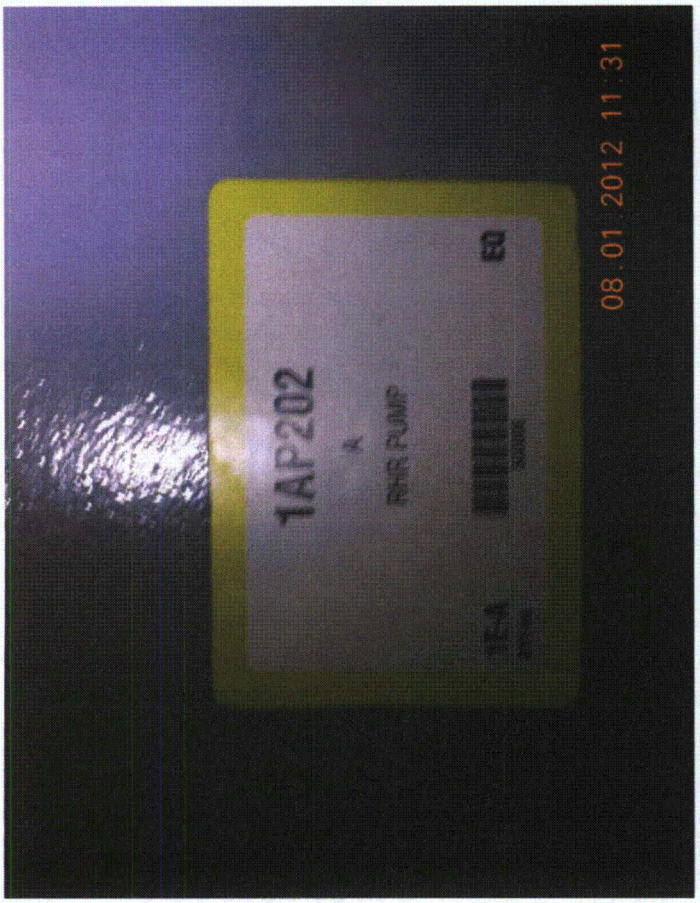
Comments (Additional pages may be added as necessary)

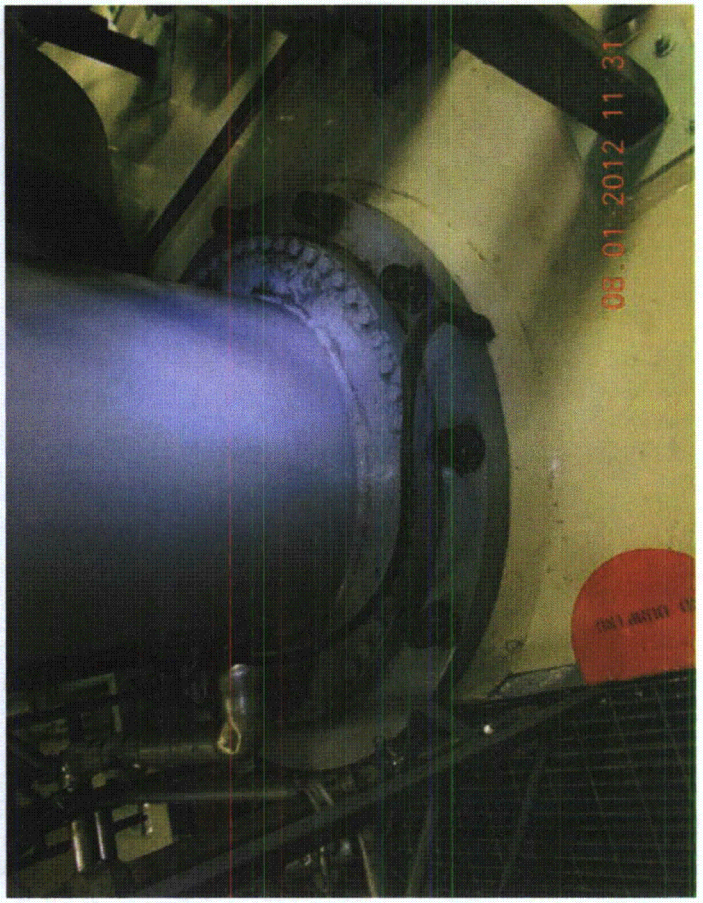
N/A

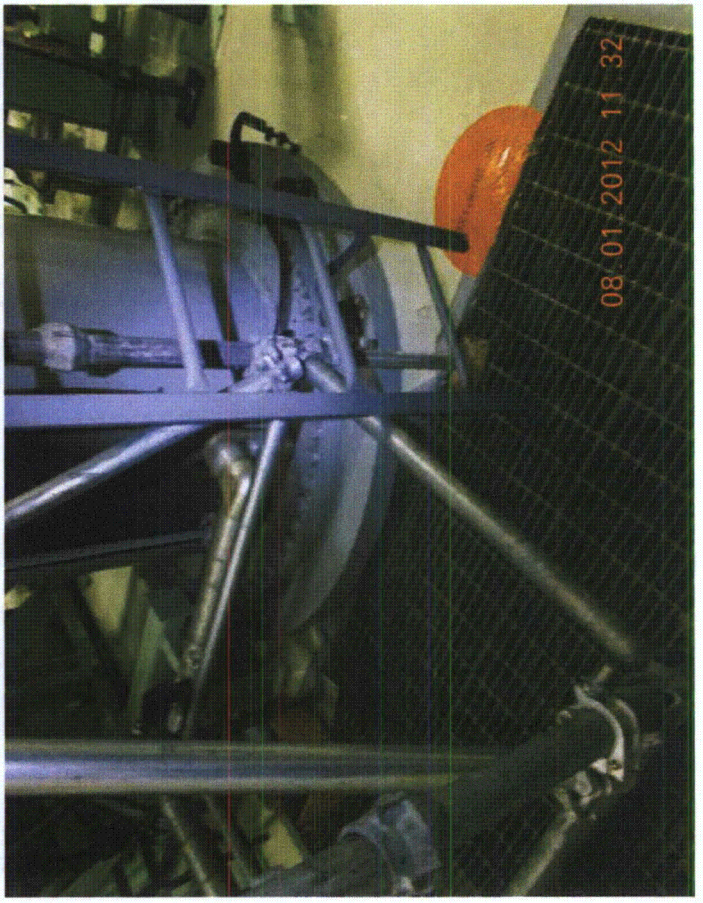
Evaluated by: James Wiggins Date: 8/3/2012

8/3/2012

Equipment ID: 1AP202







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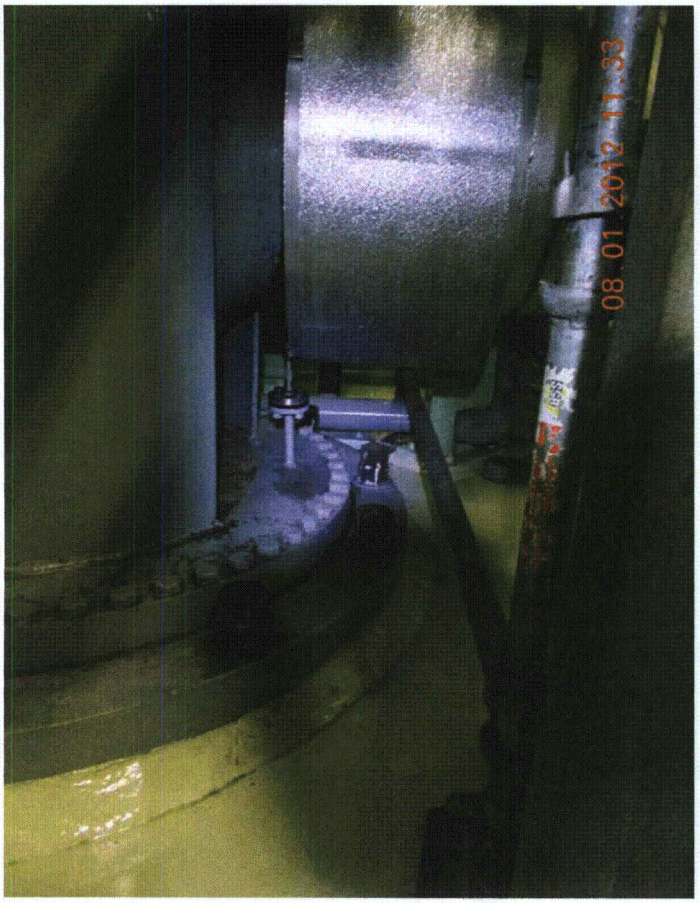

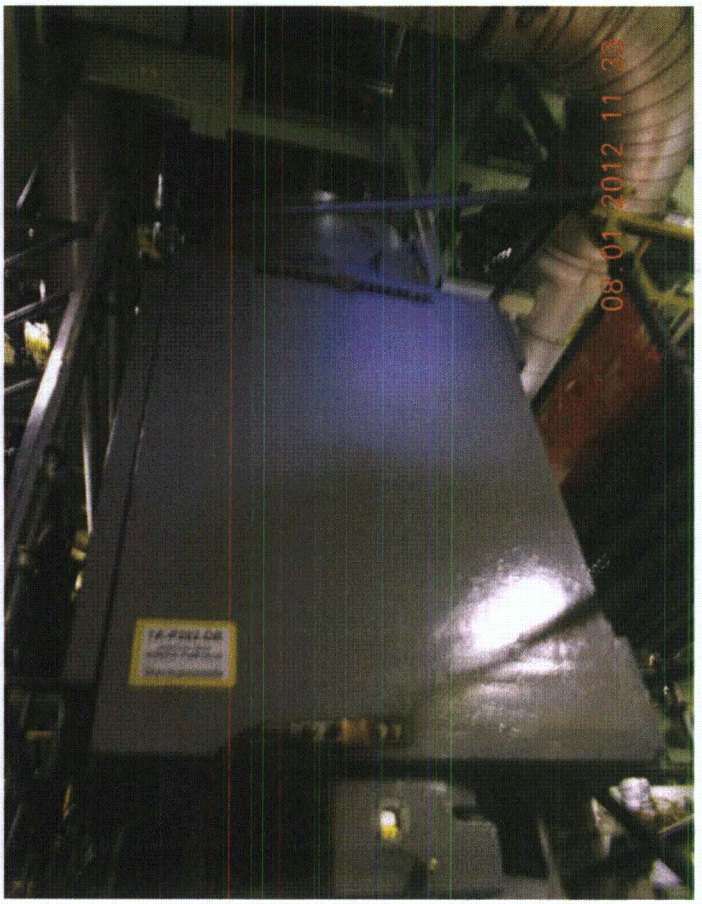

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AP206 Equip. Class[12] (04) Vertical Pumps

Equipment Description *Core Spray Pump and Driver*

Location: Bldg. *Reactor Enclosure* Floor El. *177* Room, Area *Room 110*

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 consistent w/ Dynamic Qualification report: PECO DQ No. GE-127, Rev. 0 (GE Report No. HHI-E21-C001, Rev. 2)

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

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

Equipment ID No. 1AP206 Equip. Class[12] (04) Vertical Pumps

Equipment Description *Core Spray Pump and Driver*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   · No soft targets

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☐
   · No overhead equipment

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)

N/A

Evaluated by: James Miggin Date: 8/3/2012

8/3/2012


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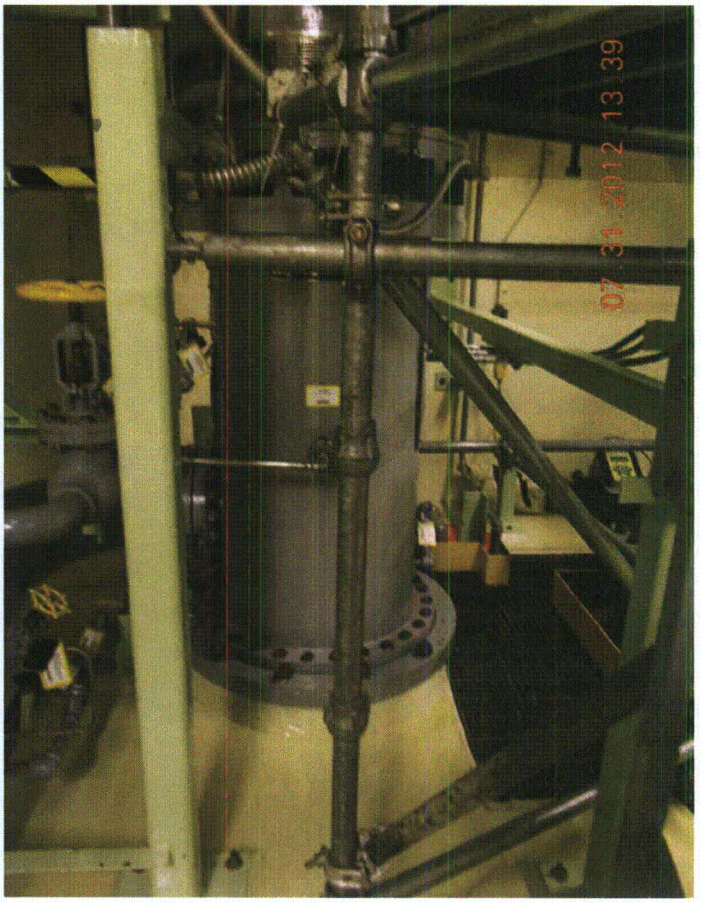
1A-P206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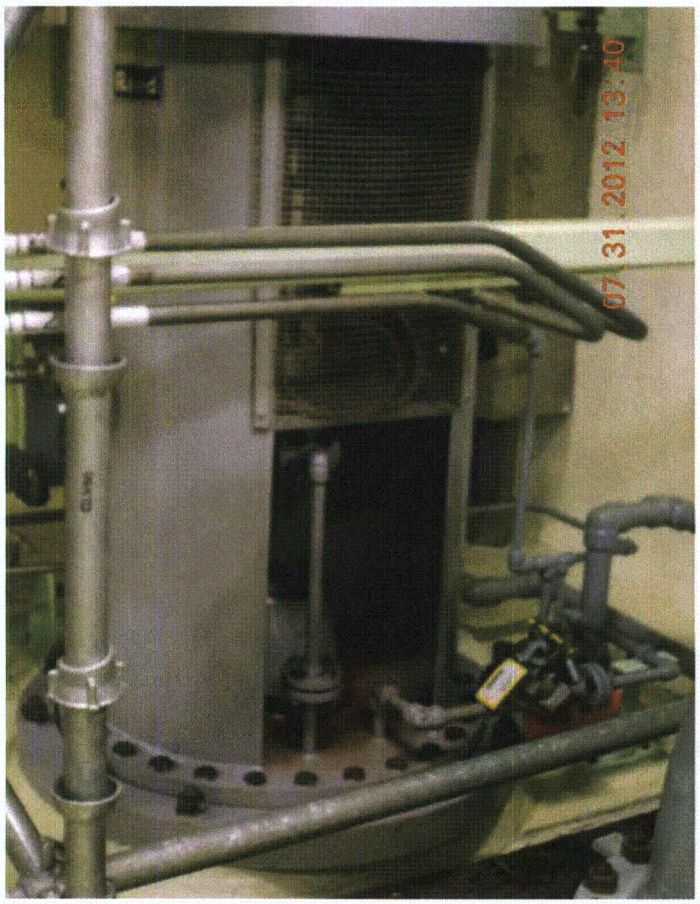
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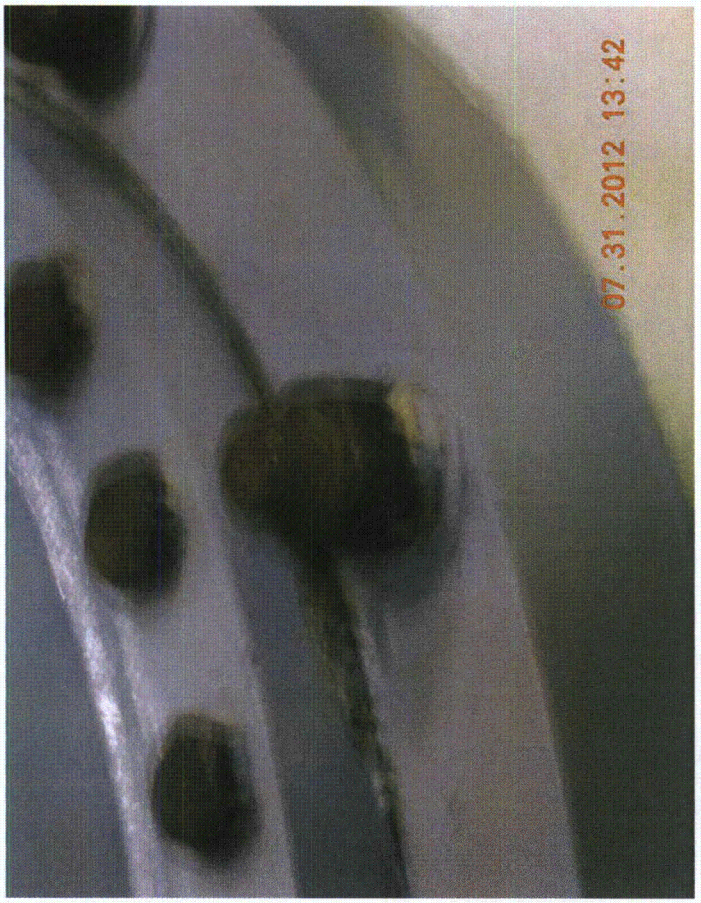
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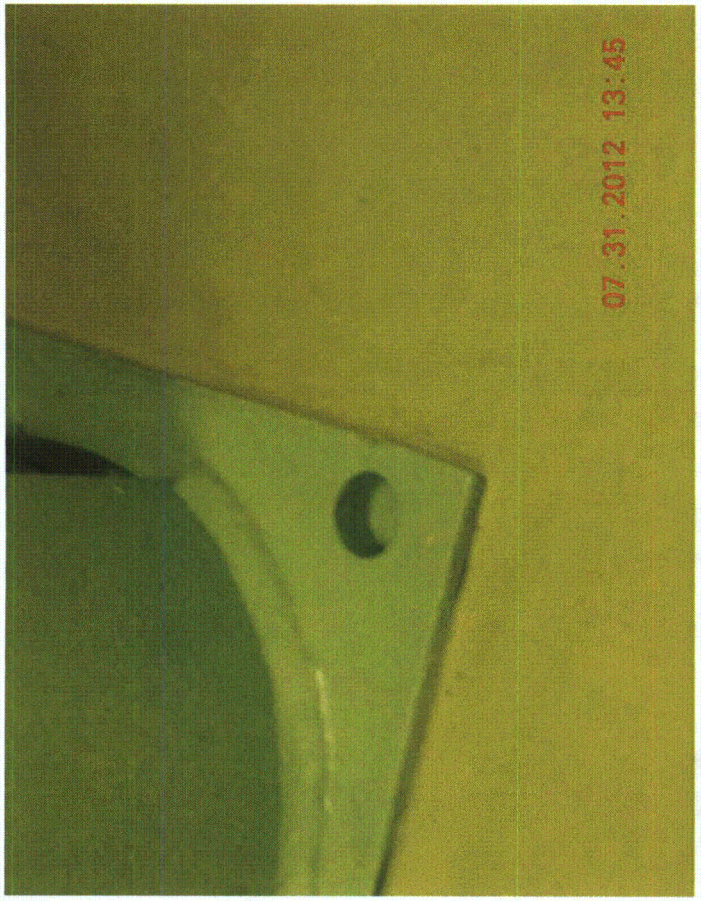
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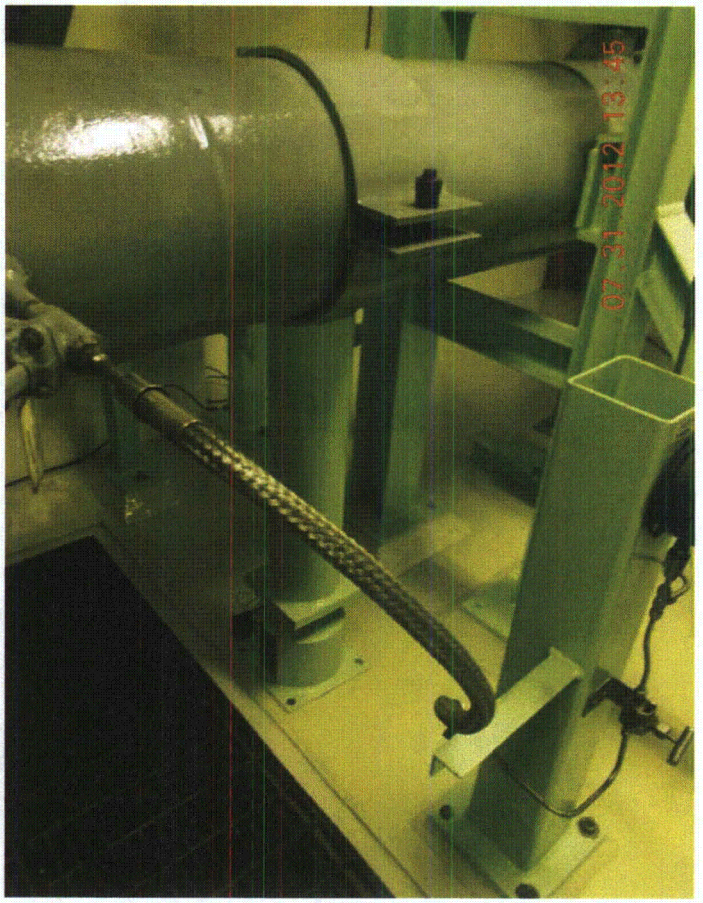
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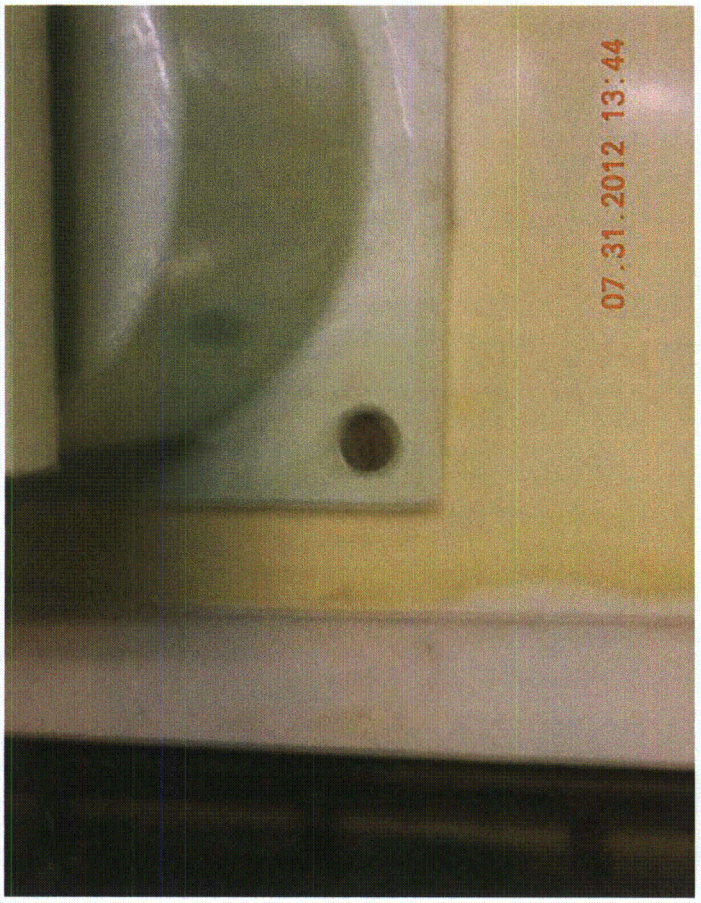
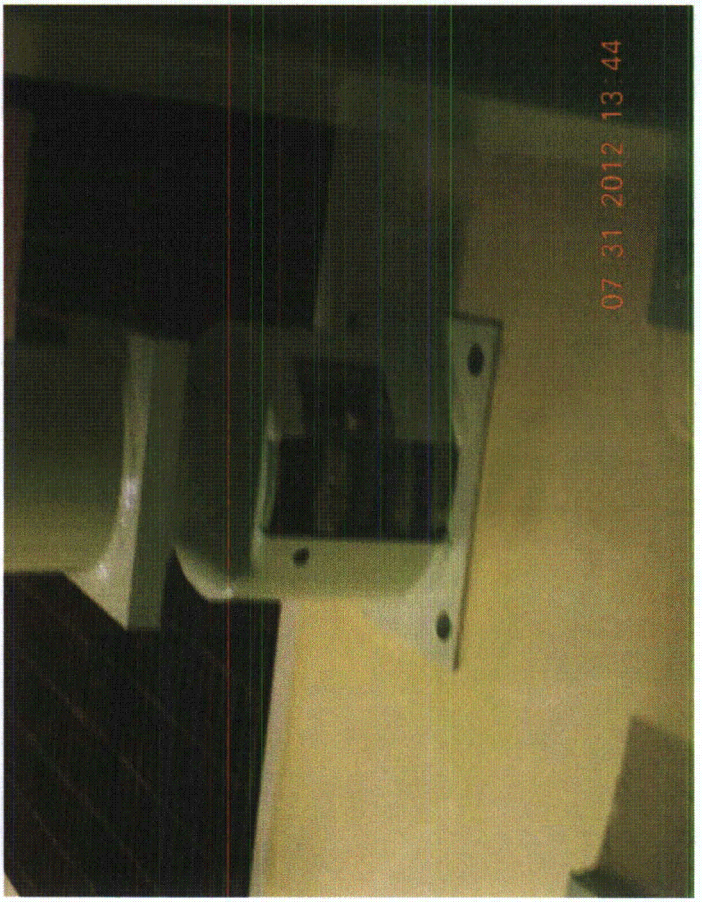
Equipment ID: 1AP206





Seismic Walkdown Checklist (SWC)

Equipment ID No. 1(A)P514 Equip. Class[12] (04) Vertical Pumps

Equipment Description *Diesel Generator Diesel Oil Pump*

Location: Bldg. *Diesel Oil Storage Tank Underground Structure* Floor El. *206* Room, Area *Yard*

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 to moderate surface corrosion deemed acceptable

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y☒ N☐ U☐ N/A☐
   • Anchored to tank; tank encased in concrete free of cracks

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☐

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

Equipment ID No. 1(A)P514 Equip. Class[12] (04) Vertical Pumps

Equipment Description *Diesel Generator Diesel Oil Pump*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   No soft targets

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☐

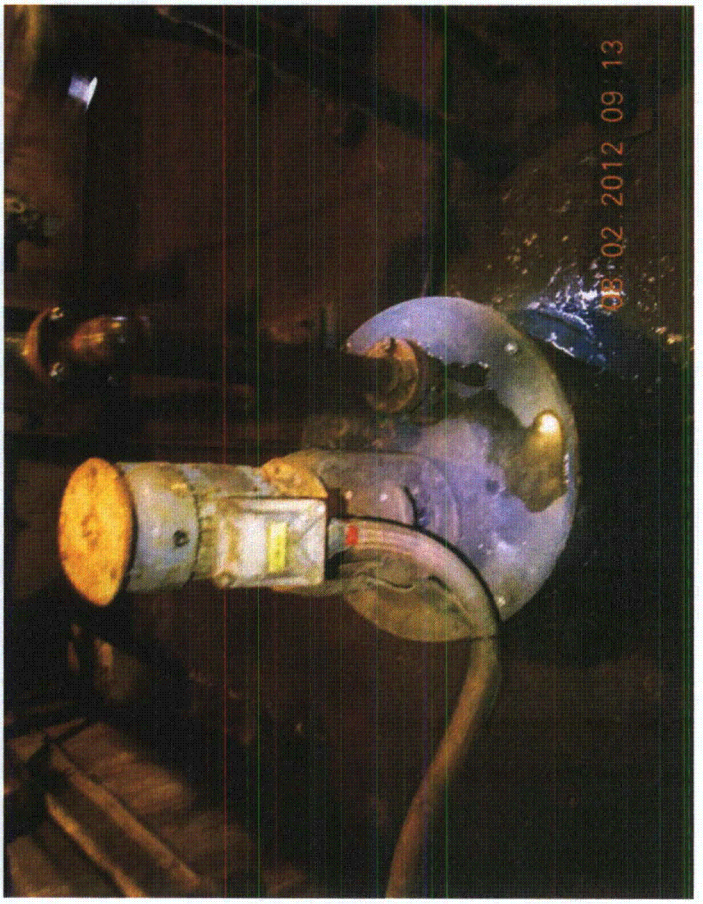
Comments (Additional pages may be added as necessary)

U/A

Evaluated by: [signature] Date: 8/3/2012

James Wiggin 8/3/2012


1AP514
08 02 2012 09 13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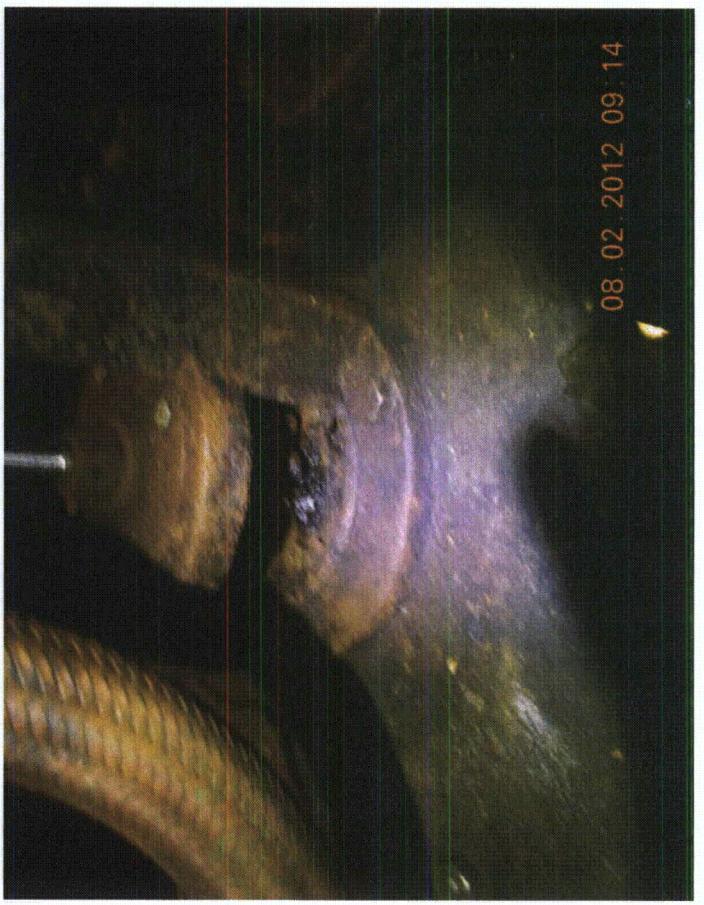
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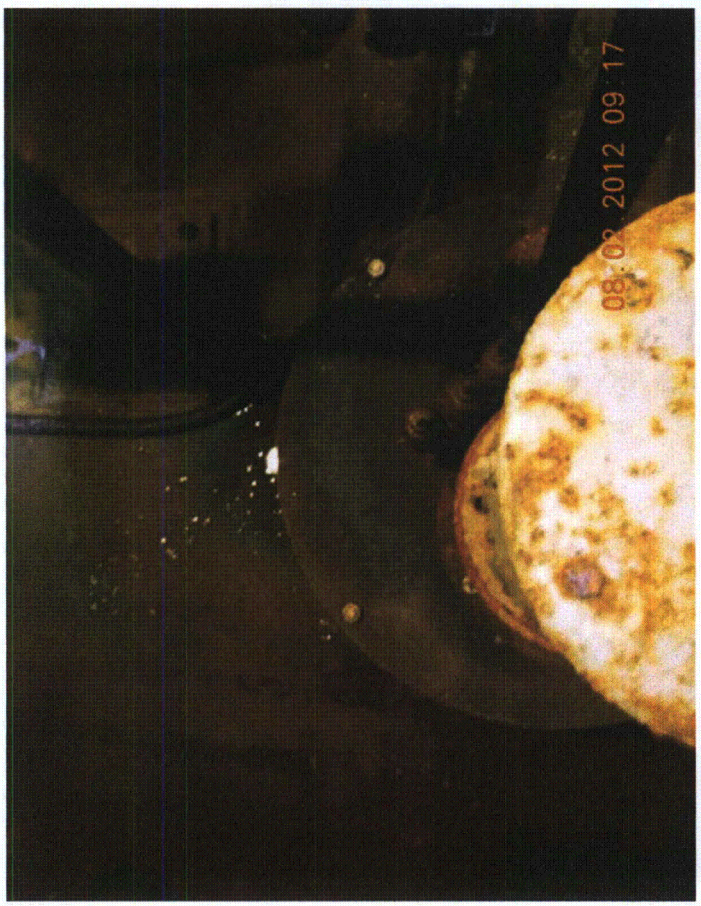
Equipment ID: 1AP514



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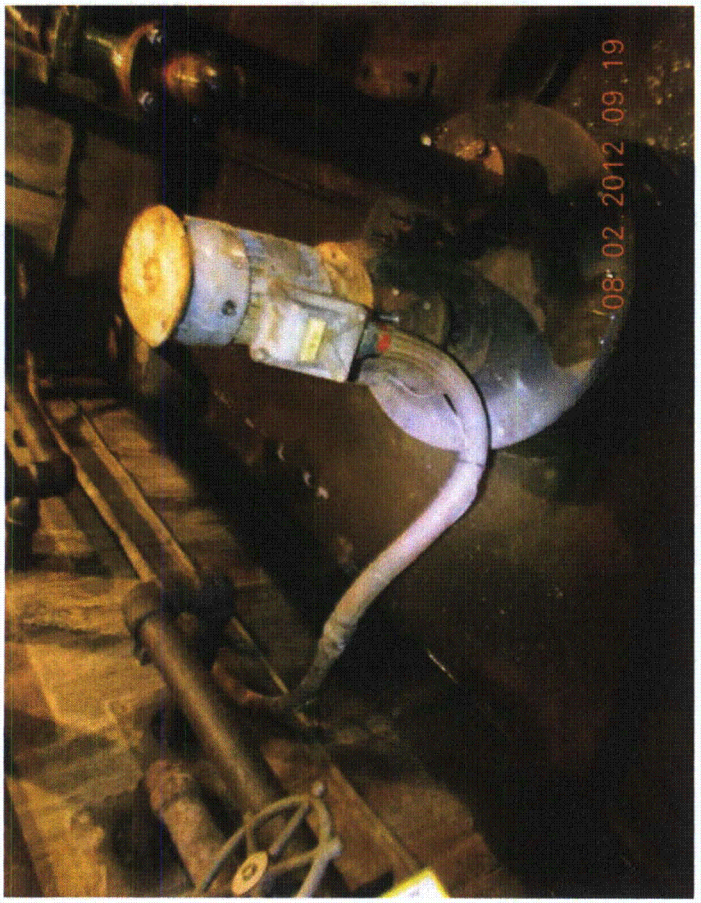

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 1AS575 Equip. Class[12] (20) Horizontal Tanks or Heat Exchangers

Equipment Description *Diesel Generator Exhaust Silencer*

Location: Bldg. *Diesel Generator Building* Floor El. *217* Room, Area *Room 311A*

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☐

   Concrete for Building steel anchors connecting silencer to wall is uncracked & in good condition

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☐

   Burgess Manning Dwg ~~51-7008, Rev. 4~~. MO 9/17/12
   ~~8031~~ M-71-186, Rev. 8BR.

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

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

Equipment ID No. 1AS575 Equip. Class[12] (20) Horizontal Tanks or Heat Exchangers

Equipment Description *Diesel Generator Exhaust Silencer*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   There are no soft targets.

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☐
   Confirm overhead crane (Limerick Calculation 042.002.003 Rev.3 (MO 9/7/12)) is designed for Seismic II over I. Per ~~EC-AA-304-1001~~, the diesel enclosure crane is ~~not~~ seismically qualified.

9. Do attached lines have adequate flexibility to avoid damage? Y☒ N☐ U☐ N/A☐
   Attached spring cans to smaller lines ~~do not~~ are judged not to have a seismic interaction concern since they have adequate supports not including spring cans.

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)

Evaluated by: [signature] Date: 8/3/12

M. Ogbaei 8/3/12

(SWC 1AS-575)

Calculation: 042.002.003
Description: LGS Diesel Generator Building Crane Girder Design
Revision 3 PG # 2.3

Summary of results:

The existing diesel building crane/girders remain qualified to design seismic acceleration per spec G-14 and to the as built and latest crane information.

Design Input:

1. Limerick Spec G-14, rev. 7 (for seismic accelerations)
2. SDOC DWG. M-028-00068, Rev. 3 (for trolley and bridge weights and dimensions)

References:

See pages 1e – 2.1

Assumptions:

None

Methodology/Approach:

Seismic accelerations from Limerick Spec G-14 will be used along with the latest crane information and the latest as-built information. The bridge crane/girders are re-analyzed to reflect the latest information as follows.

Equipment ID: 1AS575