Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. ~~30S37-PANEL~~ 30D043 gar 9/17/2012 Equip. Class[12] (20) Control Panels & Cabinets

Equipment Description *HPCI* ~~*Turbine*~~ Aux Lube Oil Pump Starter gar 9/17/2012

Location: Bldg. *Reactor* Floor El. *88* Room, Area *R3-13*

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☐

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

Equipment ID No. ~~30S37 PANEL~~ 30D043 gmr 9/17/2012 Equip. Class[12] (20) Control Panels & Cabinets

Equipment Description *HPCI* ~~Turbine~~ gmr 9/17/2012 Aux Lube Oil Pump Starter

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☐

   • Noted that cabinet was open for in-progress work, but was taped to prevent full opening of front cover; judged not a seismic concern

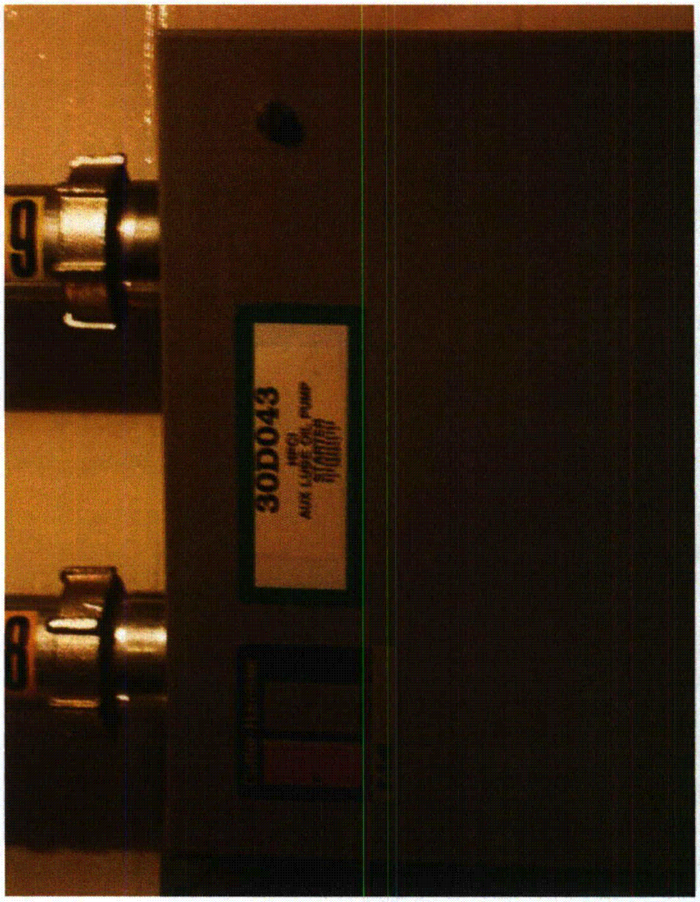
Comments (Additional pages may be added as necessary)

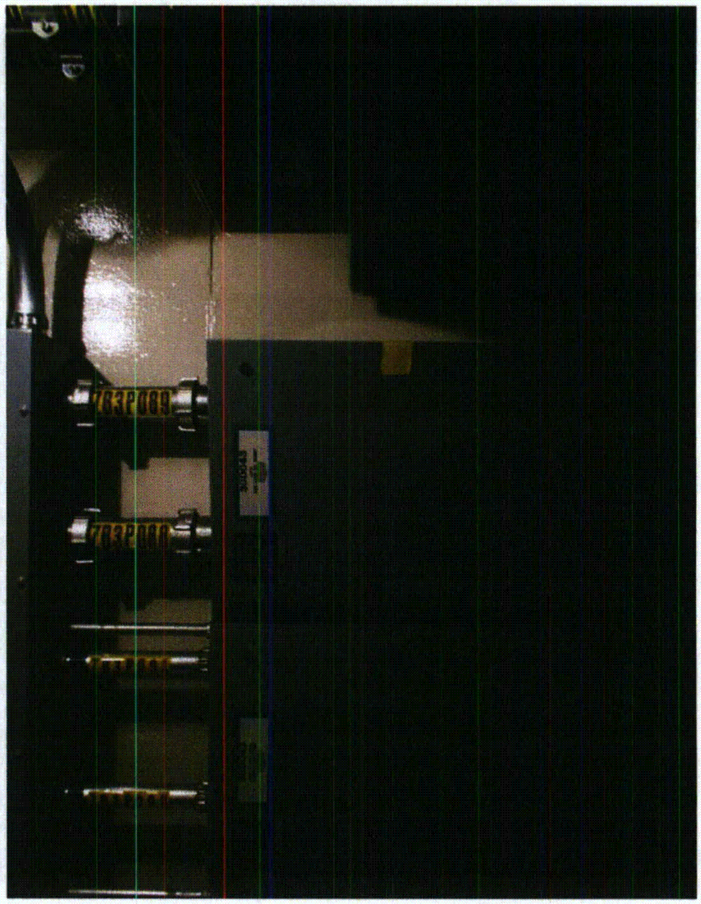
N/A

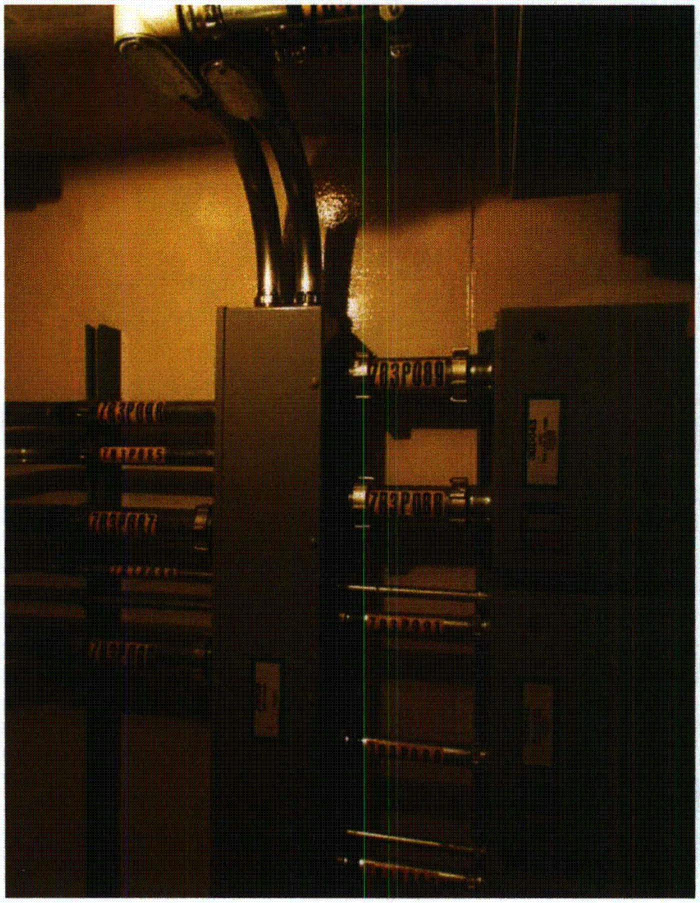
Evaluated by: [signature] Date: 9/17/2012

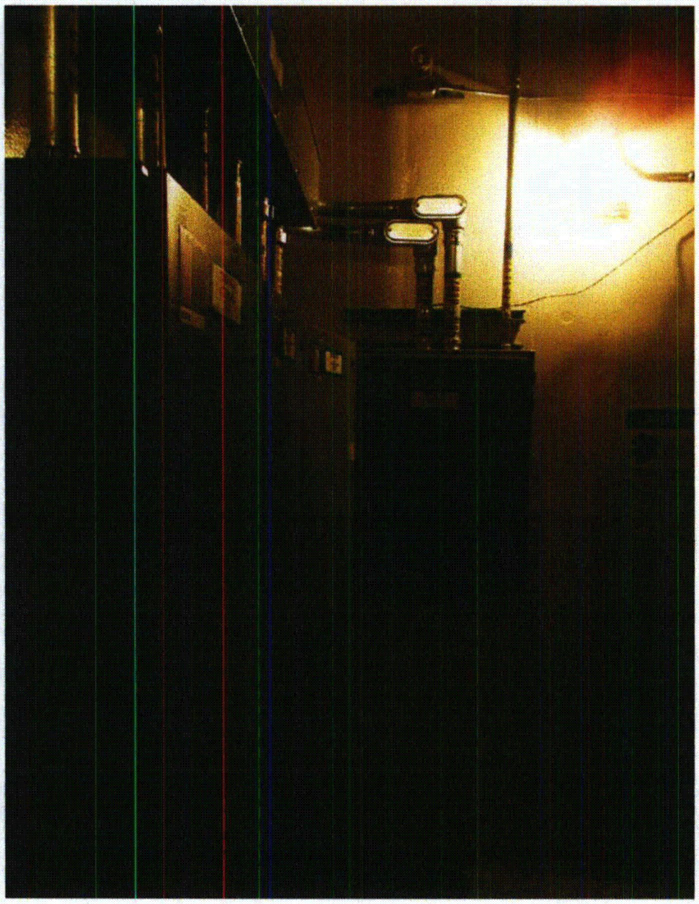
[signature] 9/17/2012

Equipment ID: 30D043









Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30D37 Equip. Class[12] (16) Battery Chargers and Inverters

Equipment Description *Static Inverter*

Location: Bldg. *Turbine* Floor El. *135* Room, Area *T3-74*

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☐

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

Equipment ID No. 30D37 Equip. Class[12] (16) Battery Chargers and Inverters

Equipment Description *Static Inverter*

Interaction Effects

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

   • Component protected on all sides and above by cage

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☐

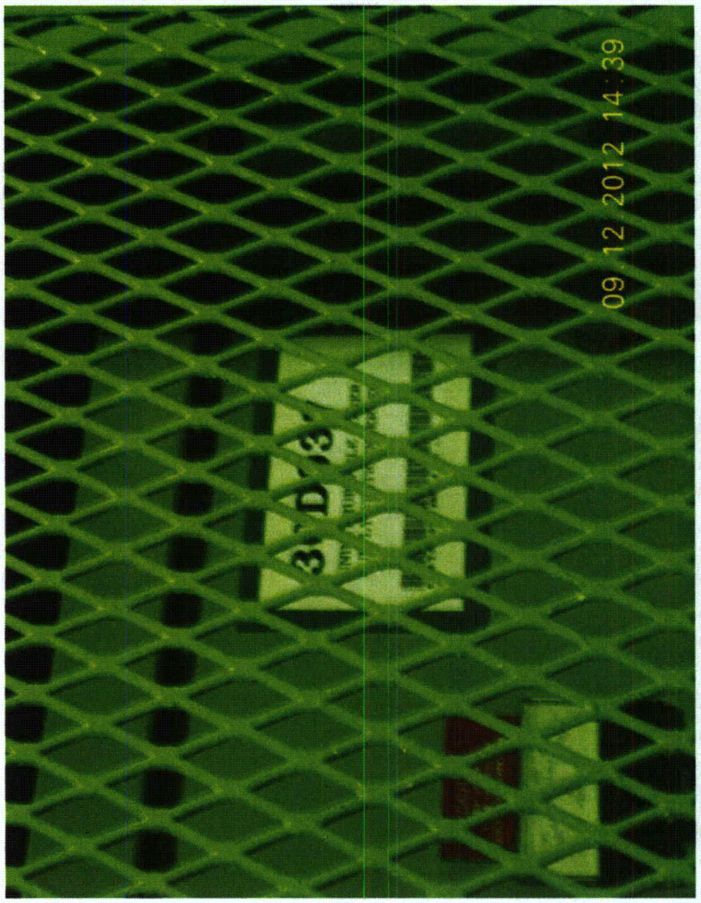
Comments (Additional pages may be added as necessary)

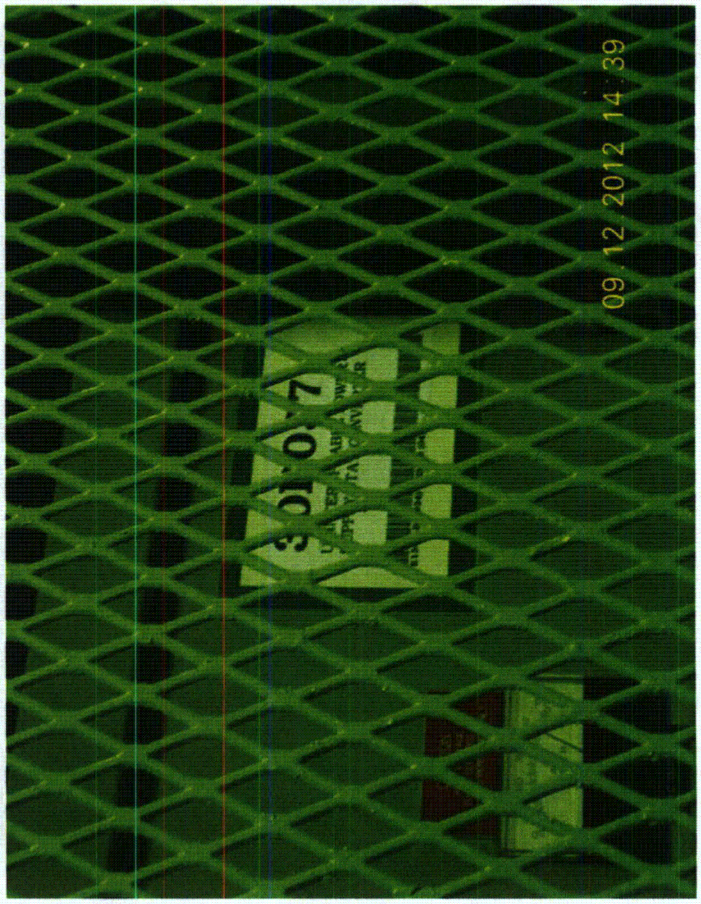
N/A

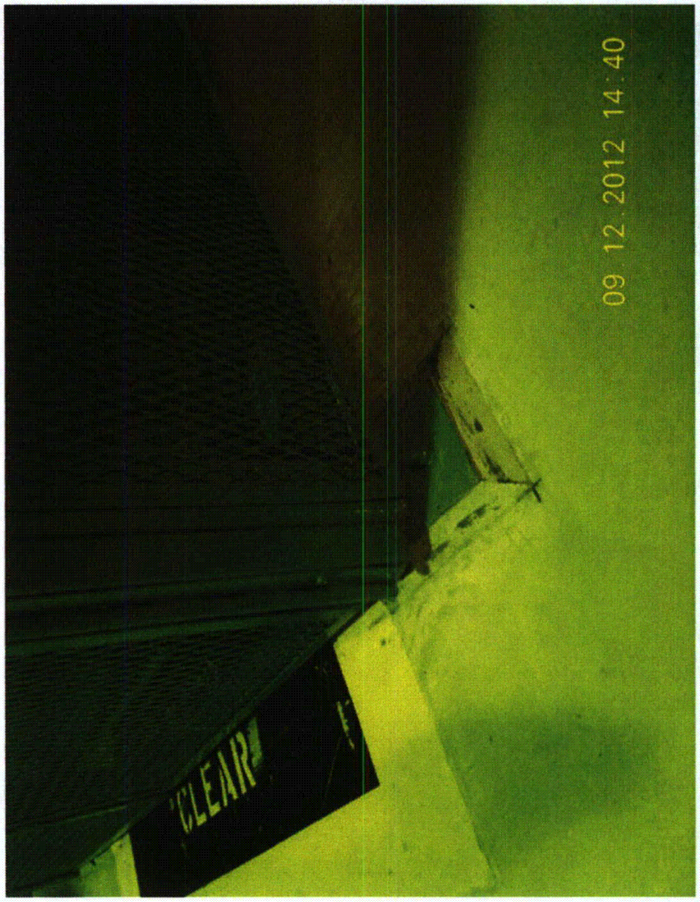
Evaluated by: James Wiggin Date: 9/17/2012

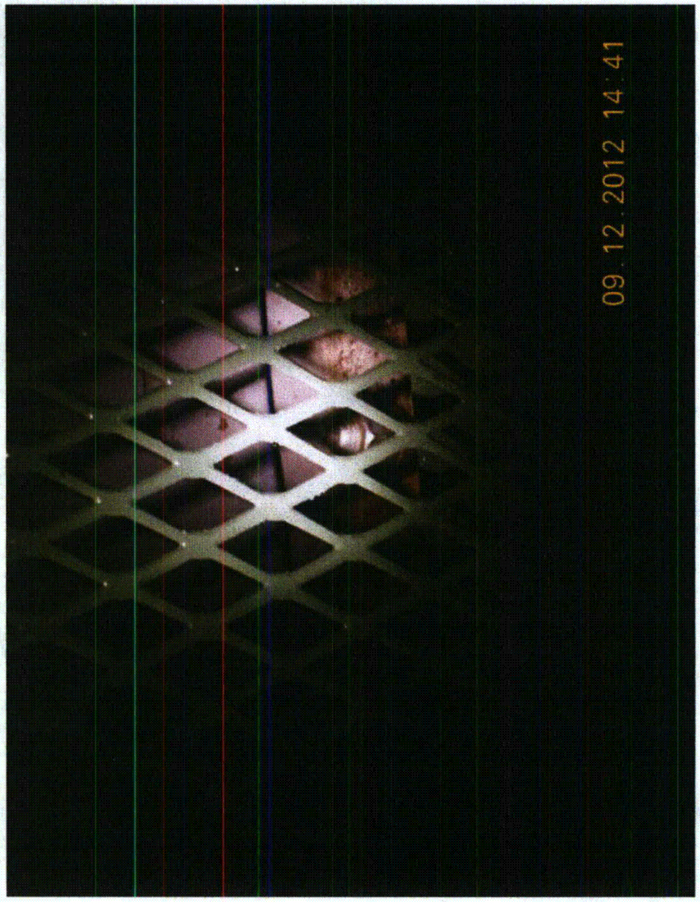
[signature] 9/17/2012

Equipment ID: 30D037

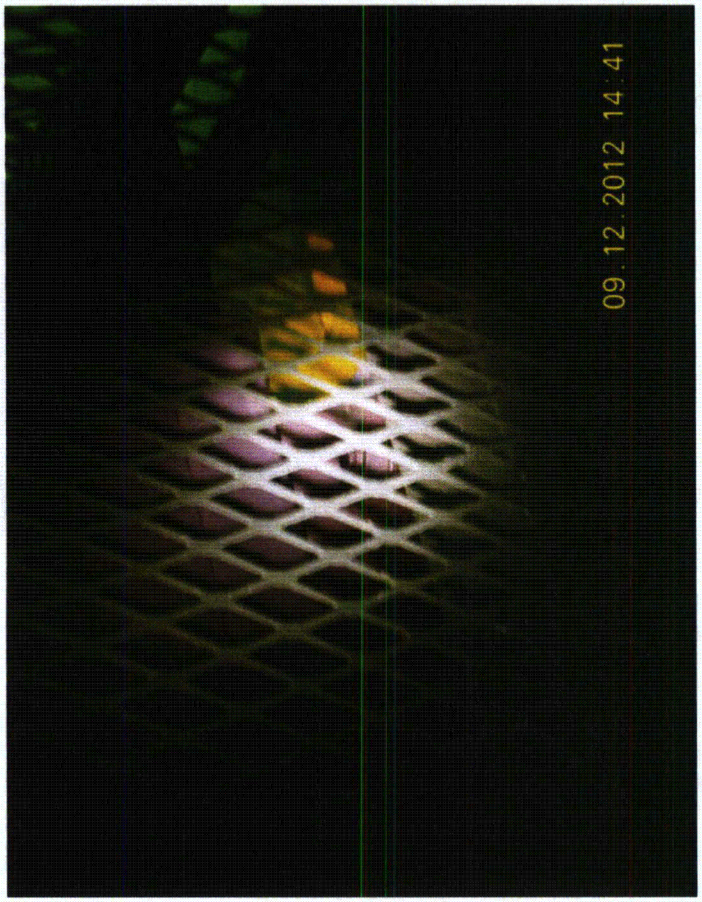








Equipment ID: 30D037



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30P033, 30P038 ~~&~~ ~~30S037~~ gtr 9/10/2012 Equip. Class[12] (05) Horizontal Pumps

Equipment Description *HPCI Booster Pump, Pump,* ~~*and Turbine*~~ gtr 9/10/2012

Location: Bldg. *Reactor* Floor El. *88* Room, Area *R3-13*

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. # M-1-J-33-3 (Rev. 3)
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. 30P033, 30P038 ~~&~~ ~~30S037~~ glr 9/10/2012 Equip. Class[12] (05) Horizontal Pumps

Equipment Description *HPCI Booster Pump, Pump,* ~~*and Turbine*~~ glr 9/10/2012

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☐
   - Overhead cranes in locked home positions
   - Scaffolding securely mounted to structural steel

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☐

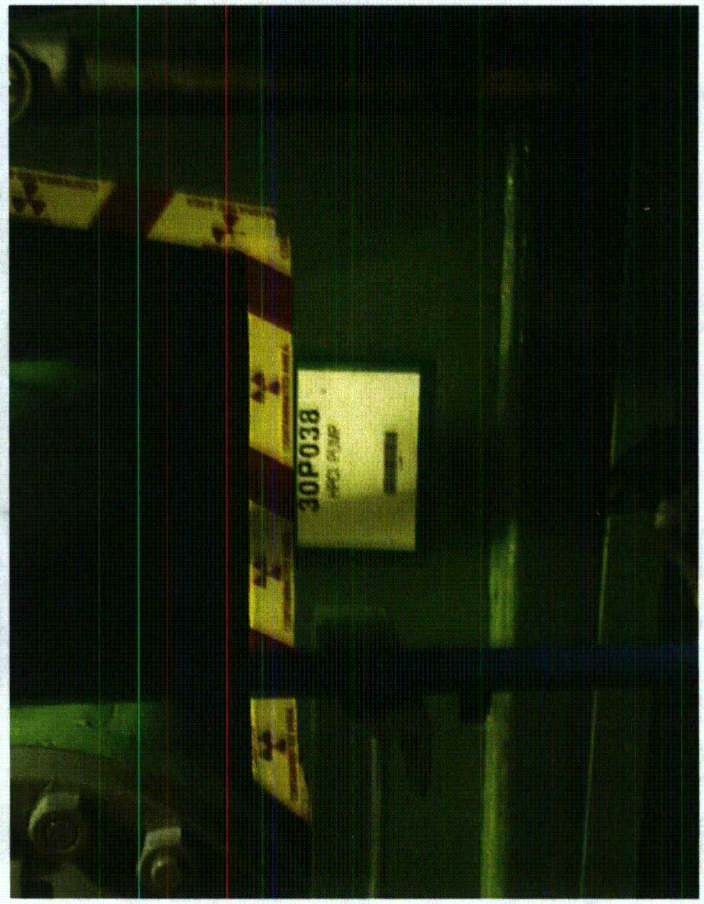
Comments (Additional pages may be added as necessary)

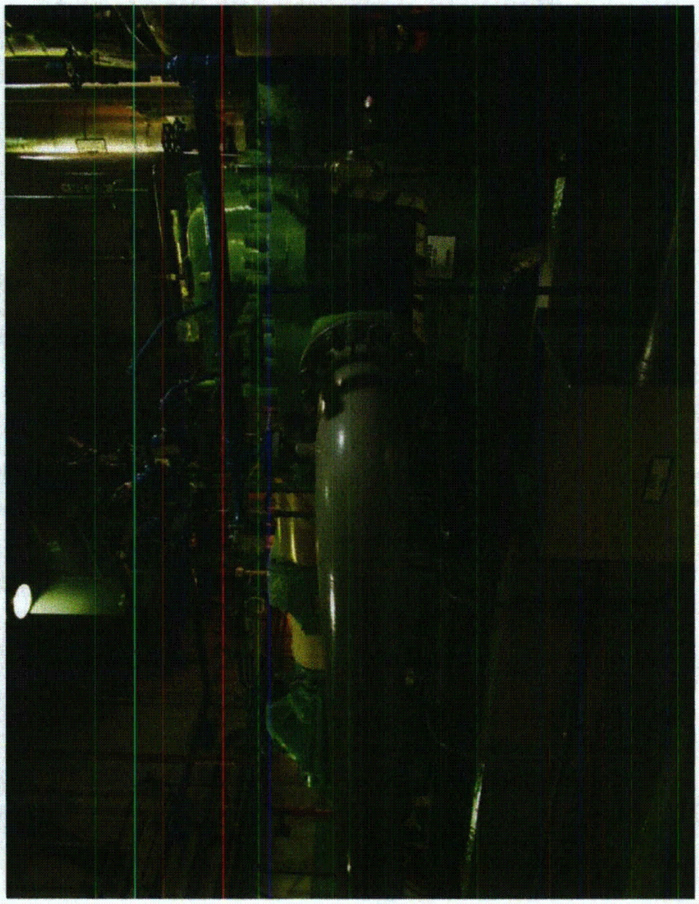
N/A

Evaluated by: James Wiggin Date: 9/10/2012

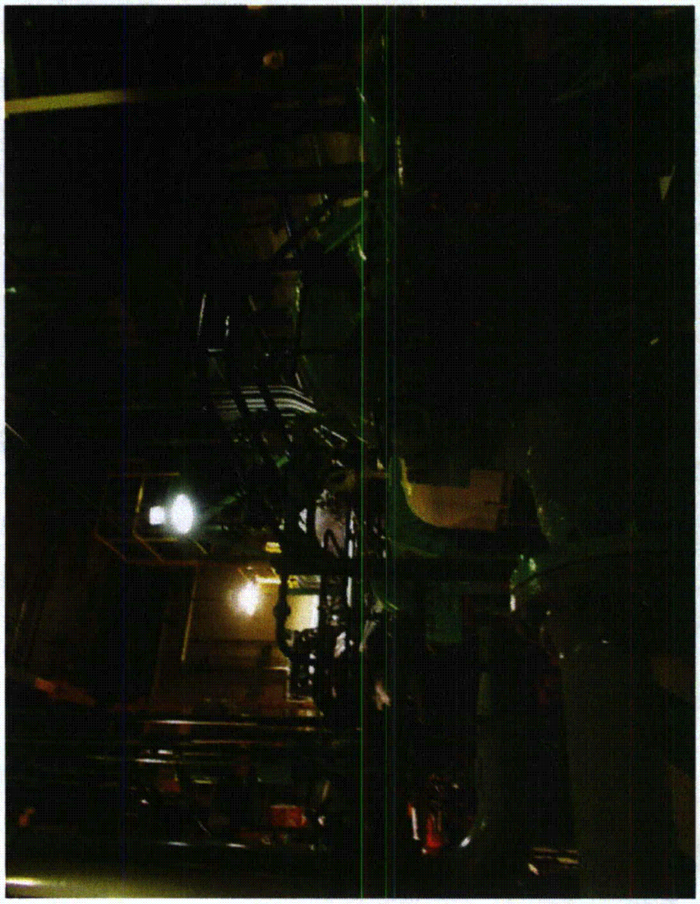
[signature] 9/10/2012

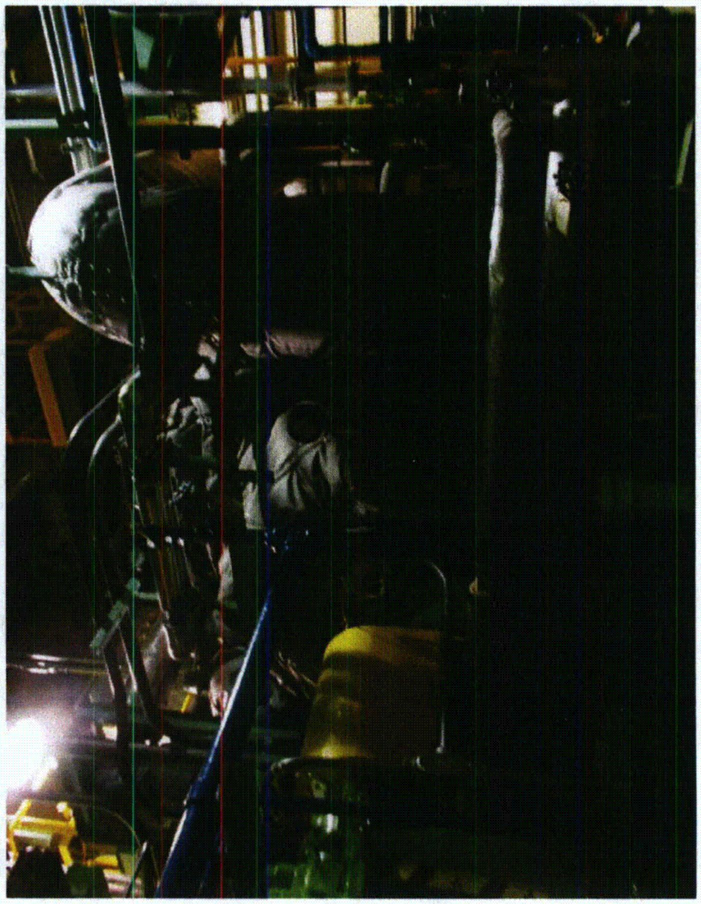
Equipment ID: 30P033 & 30P038

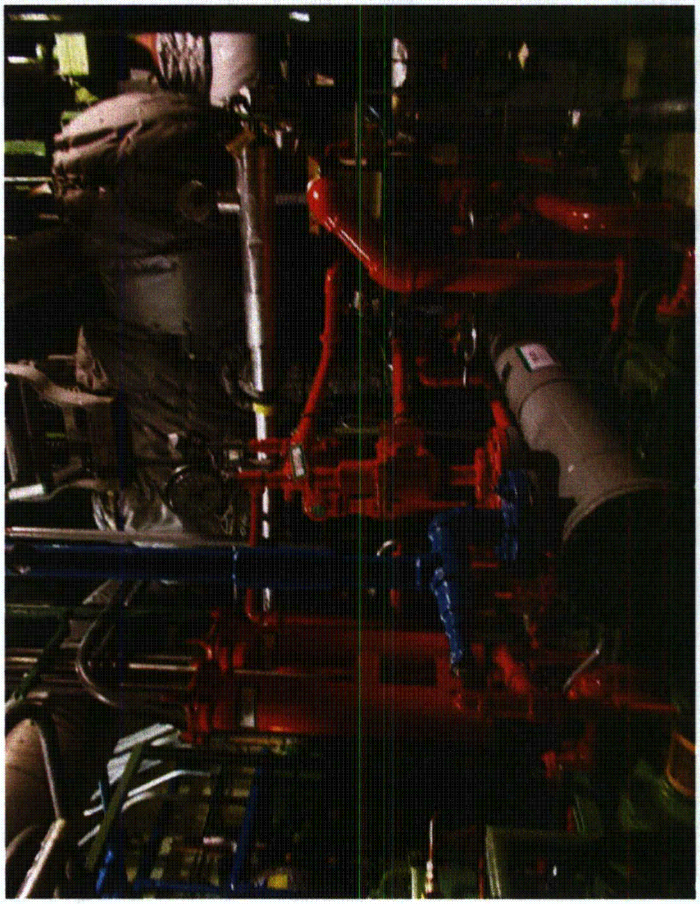


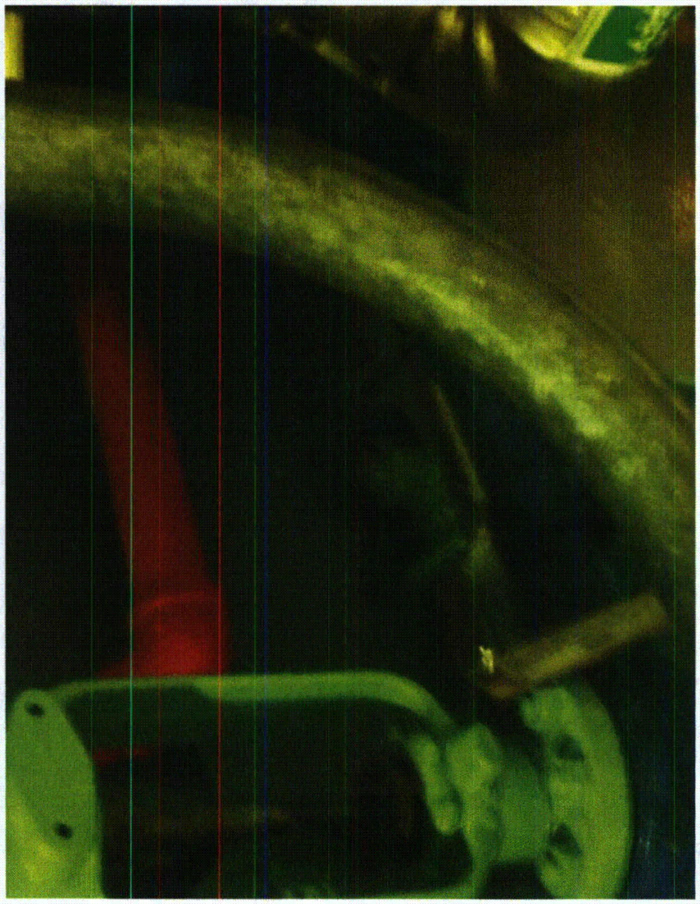


Equipment ID: 30P033 & 30P038

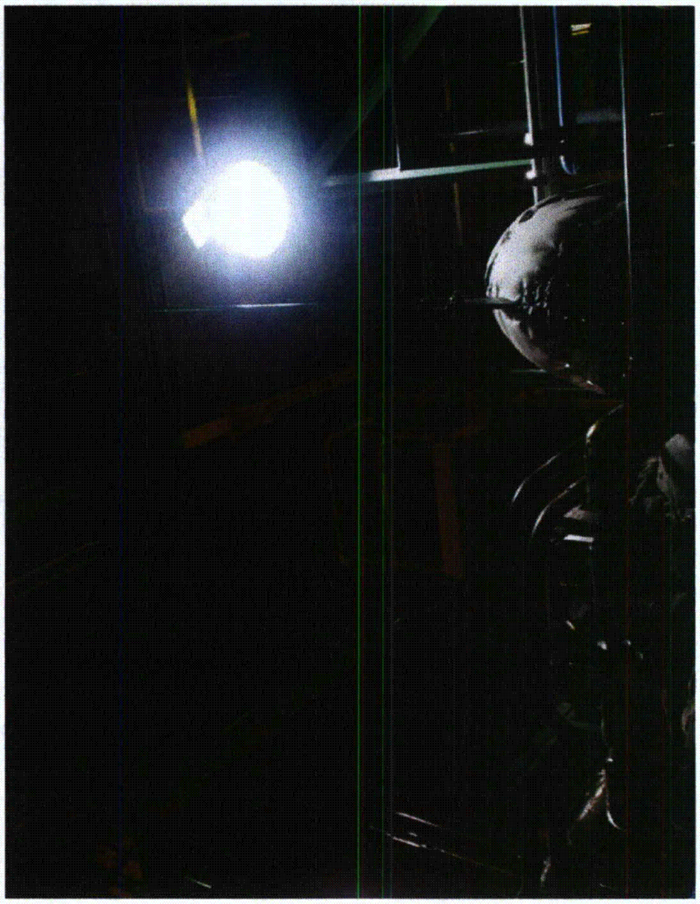








Equipment ID: 30P033 & 30P038



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30P036 & 30S038 Equip. Class[12] (05) Horizontal Pumps

Equipment Description *RCIC Pump & Turbine*

Location: Bldg. *Reactor* Floor El. *88* Room, Area *R3-14*

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. # M-1-G-11-5 (Rev. 5)

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. 30P036 & 30S038 Equip. Class[12] (05) Horizontal Pumps

Equipment Description *RCIC Pump & Turbine*

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y☒ N☐ U☐ N/A☐
   gouge
   · Turbine governor end bearing oil temperature detector in contact w/ turbine skid; judged not to affect safety function of equipment

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☐
   · Block wall # 16-2 safety-related per PBAPS Specification No. M-701, Rev. 1

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

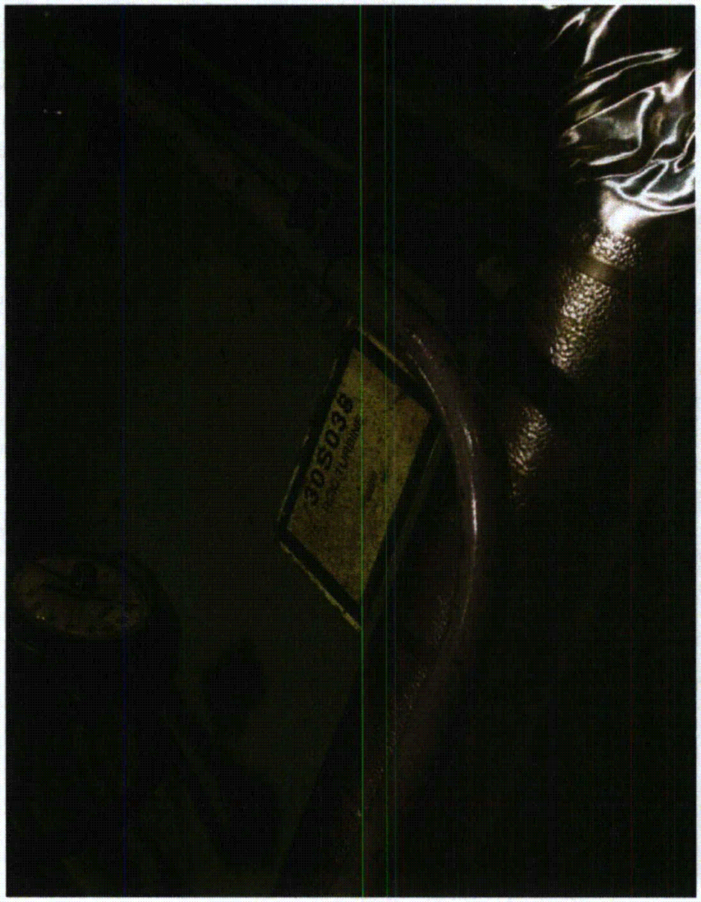
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

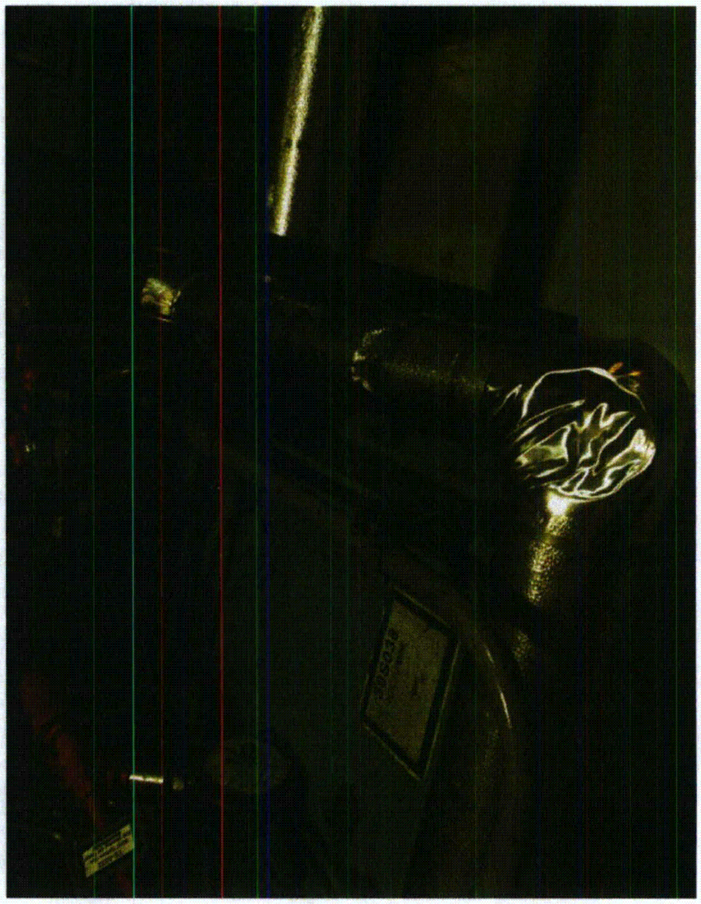
Comments (Additional pages may be added as necessary)

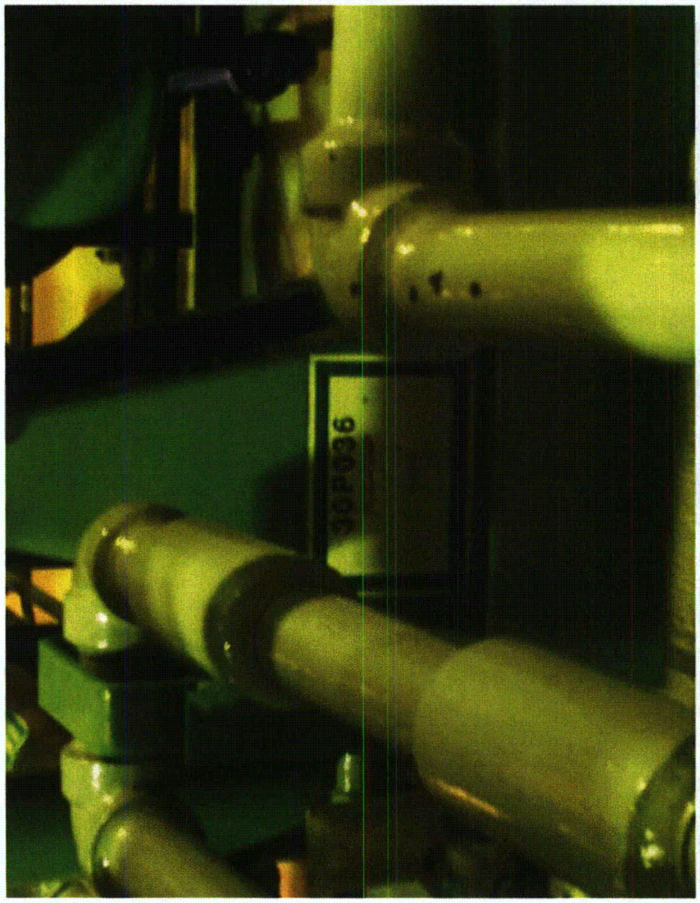
N/A

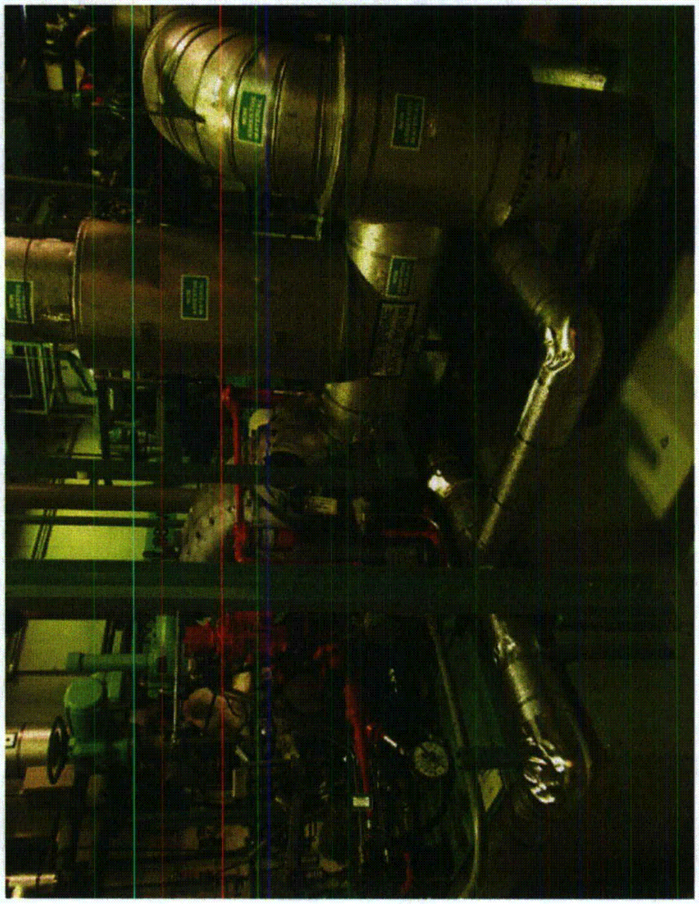
Evaluated by: James Wiggin Date: 9/11/2012

[signature] 9/11/2012

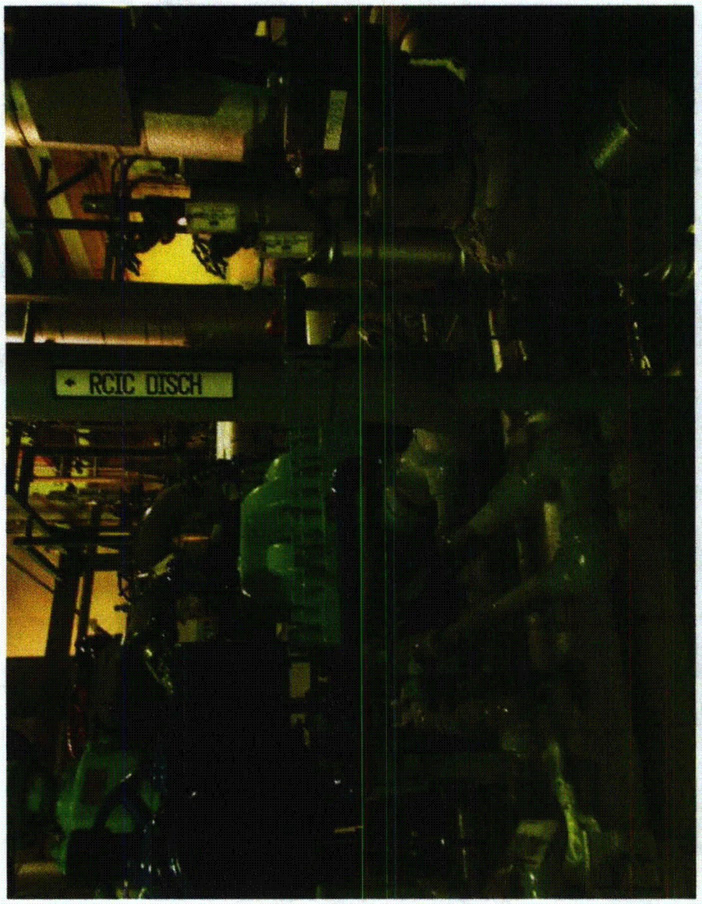

30S038

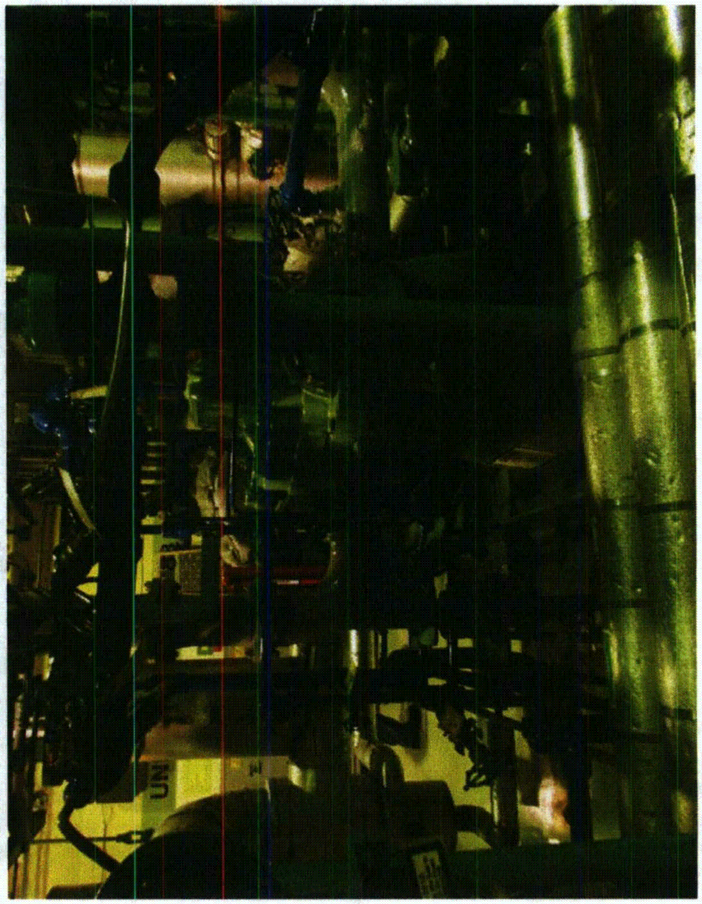


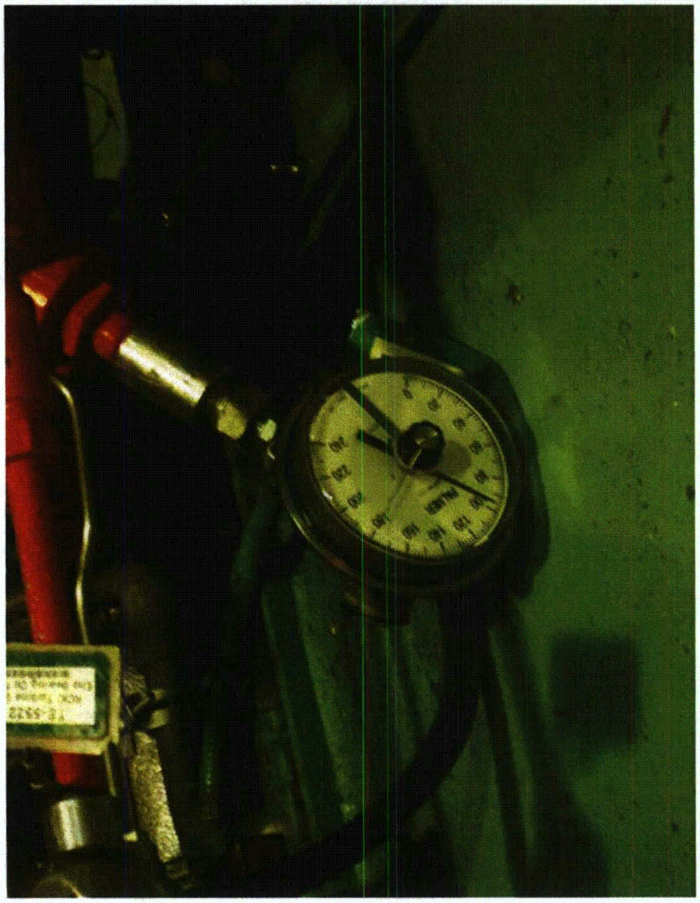

30P036



Equipment ID: 30P036 & 30S038







Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3Ø5Ø37 Equip. Class[12] (00) Other

Equipment Description HPCI Turbine

Location: Bldg. Reactor Floor El. 88 Room, Area R3-13

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☒~~ gmr 9/11/2012

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☒~~ gmr 9/11/2012
   - Matches Dwg. # M-1-J-6-6 (Rev. 6)

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. 3Ø5Ø37 Equip. Class[12] (00) Other

Equipment Description HPCI Turbine

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☐
   - Overhead cranes in locked home positions
   - Scaffolding securely mounted to structural steel

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☐

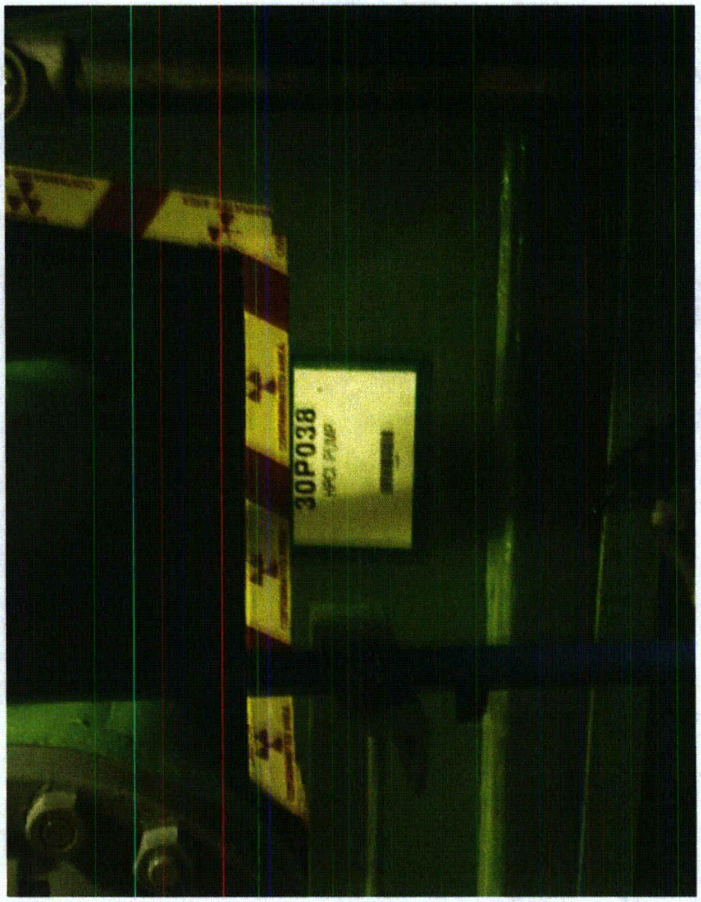
Comments (Additional pages may be added as necessary)

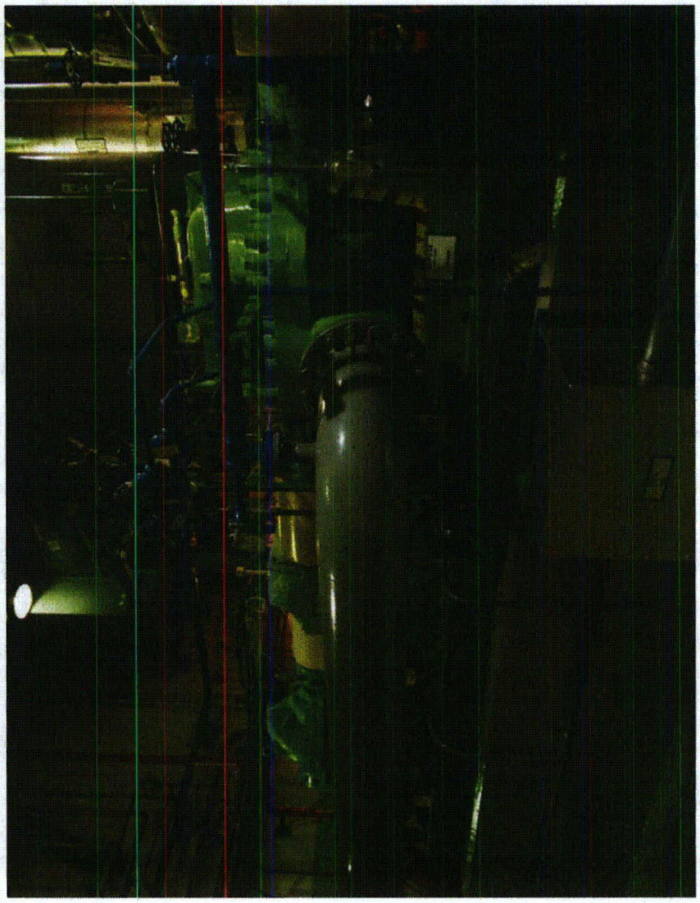
N/A

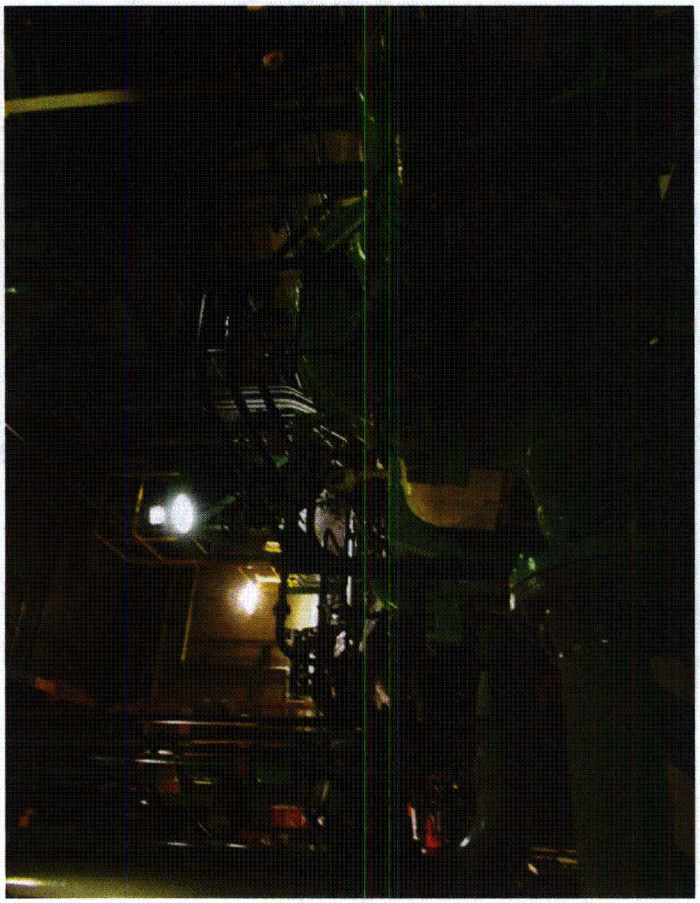
Evaluated by: James Wiggin Date: 9/11/2012

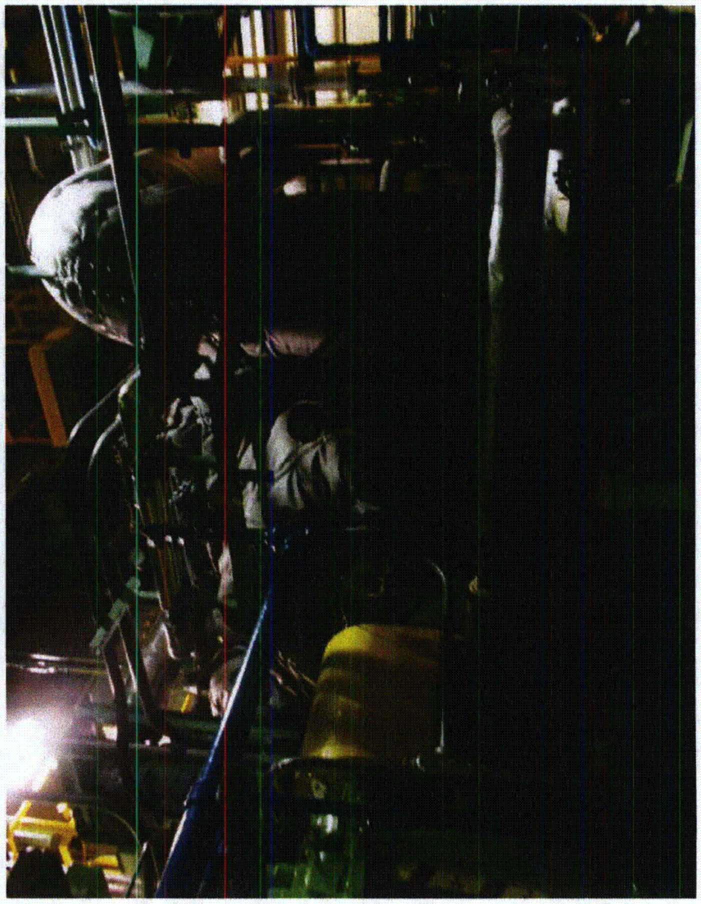
K. [signature] 9/11/2012

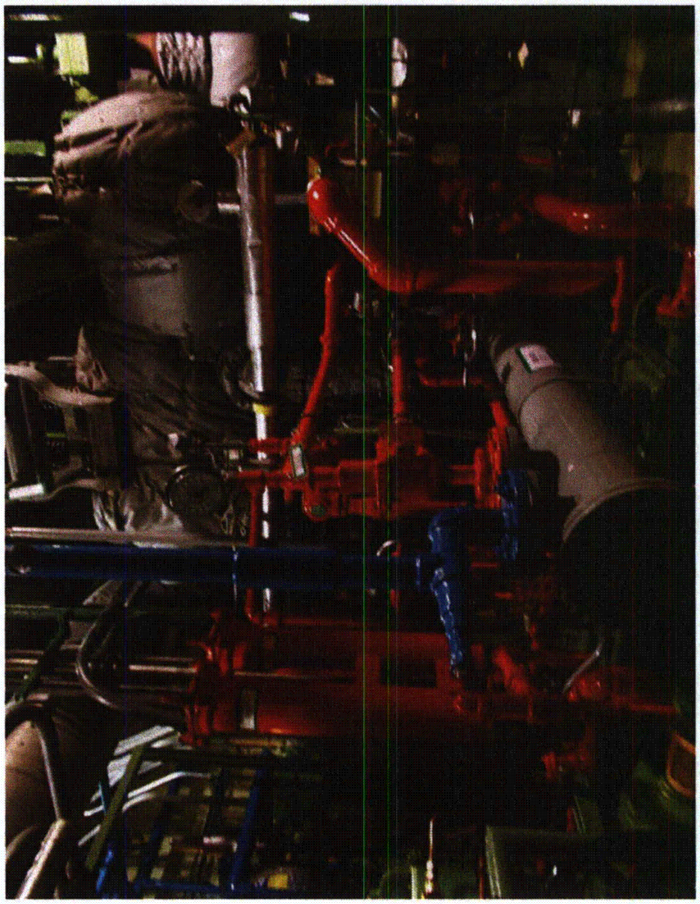
Equipment ID: 30S037

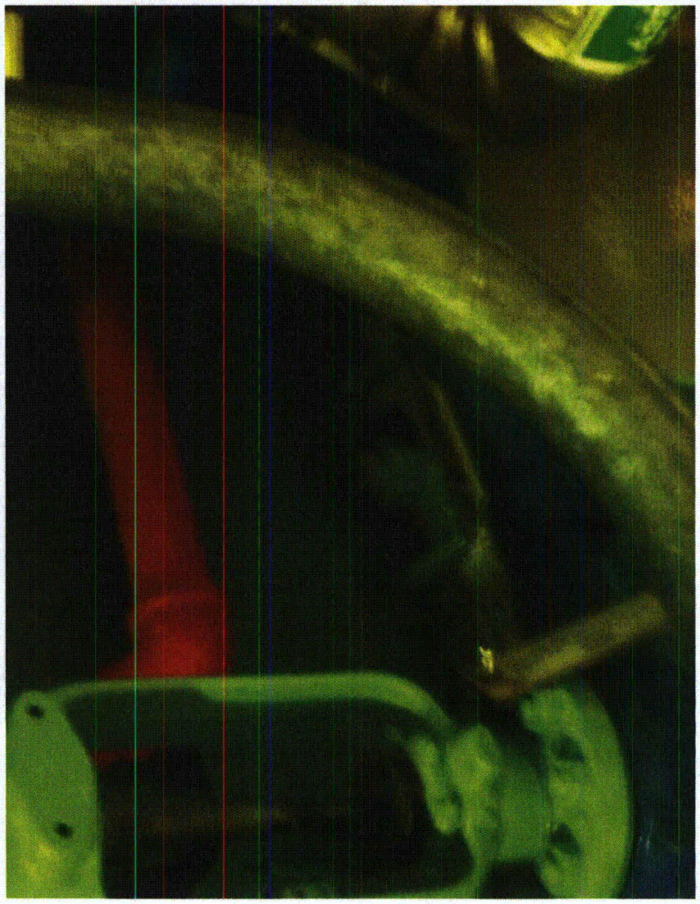




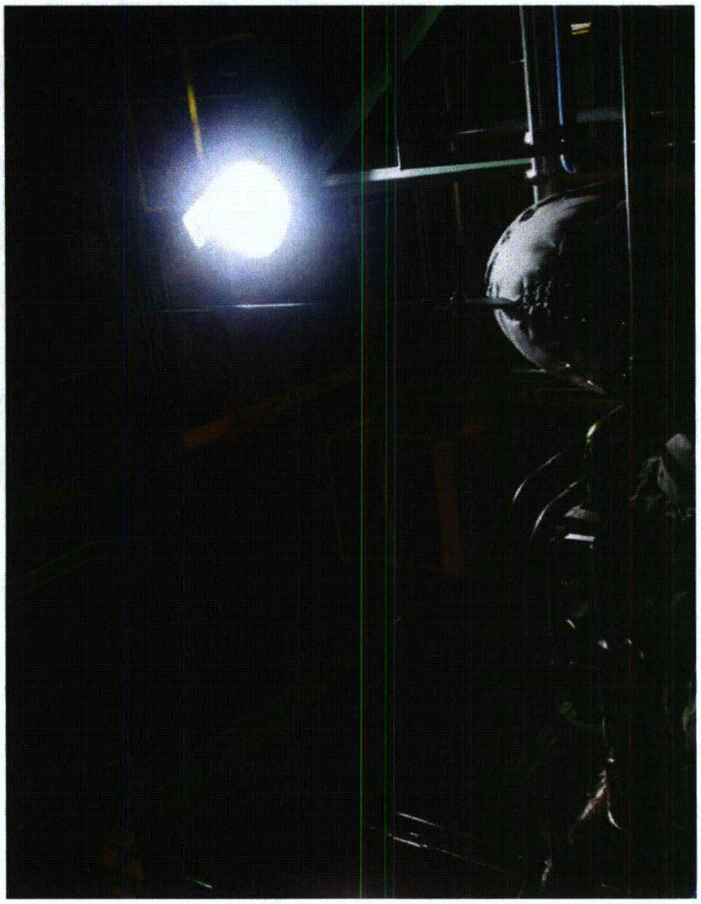








Equipment ID: 30S037



Seismic Walkdown Checklist (SWC)

Equipment ID No. 305703 Equip. Class[12] 14 (Distribution Panel)

Equipment Description 120V Inst. Panel 304035 Transfer Switch

Location: Bldg. RB ~~135~~ Floor El. 135 Room, Area Same as 304035

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☐

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

Equipment ID No. 305703 Equip. Class[12] 14 (Distribution Panel)

Equipment Description 120V Instr. Panel 304035 Transfer Switch

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 II/I concerns

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

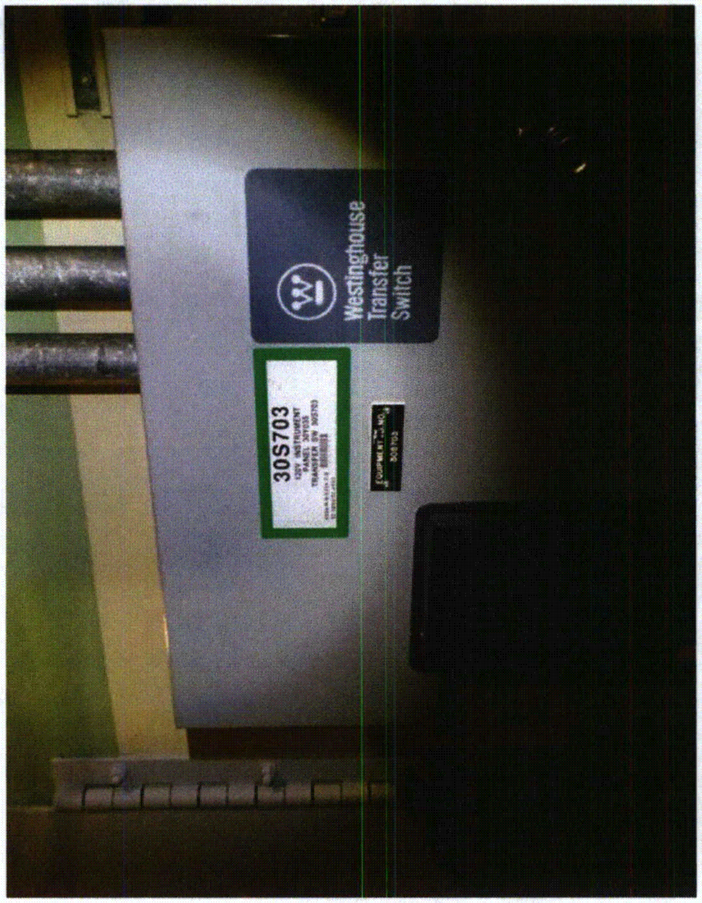
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

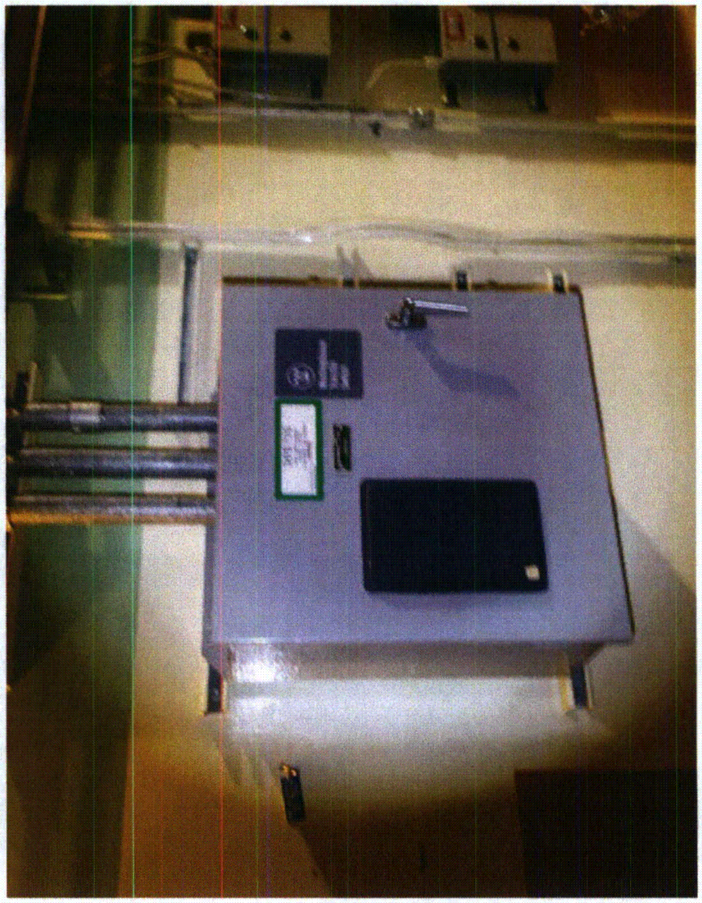
Comments (Additional pages may be added as necessary)

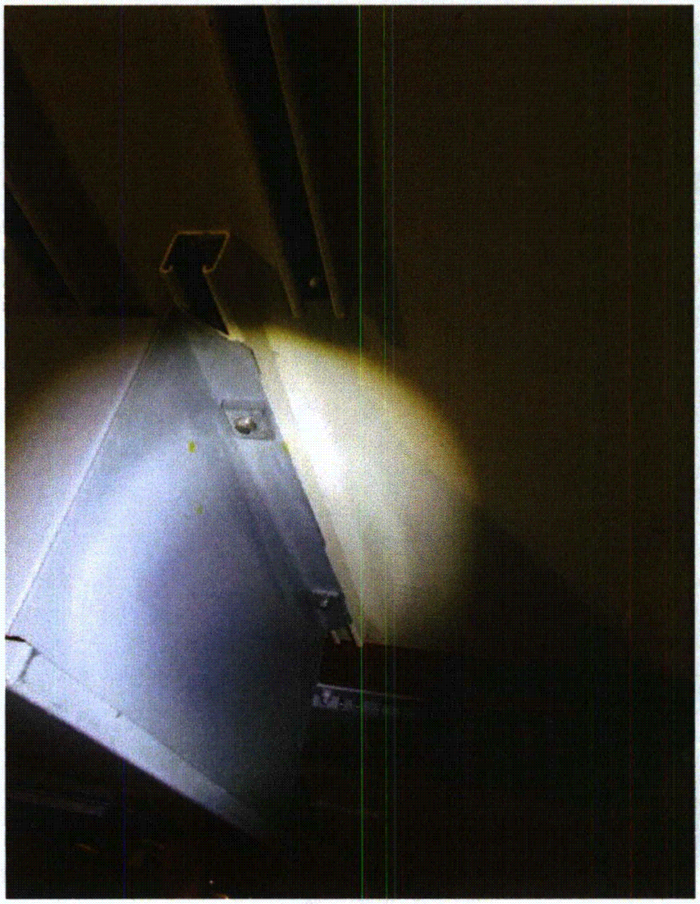
Evaluated by: [signature] Date: 9/25/12

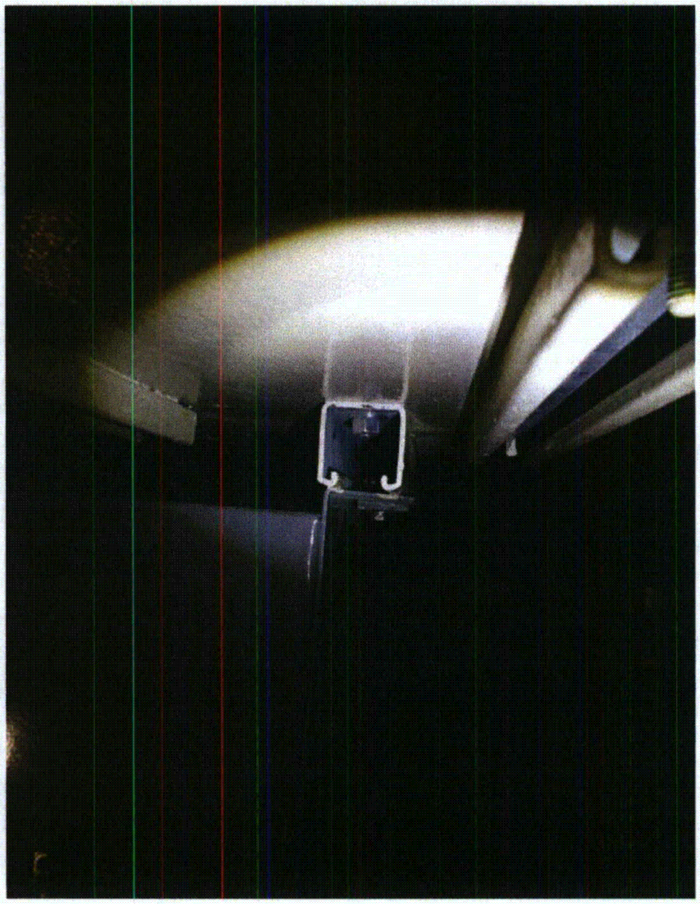
[signature] 9/25/12

Equipment ID: 30S703









Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30X030 Equip. Class[12] (04) Transformers

Equipment Description *Load Center E134 Transformer*

Location: Bldg. *Reactor* Floor El. *165* Room, Area *R3-116*

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☐

   Anchorage in good condition.

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/ calc Vectra 006-00084 SEWS 30X30, Rev. 0

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. 30X030 Equip. Class[12] (04) Transformers

Equipment Description *Load Center E134 Transformer*

Interaction Effects

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

No soft targets identified

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☐

Masonry ~~wall reinforcement needs to be verified.~~ MO 11/8/12
Walls 410.6 – 410.10 are safety related per Spec M-701, Rev. 1.

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☐

Adjacent hoist secured.

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☐

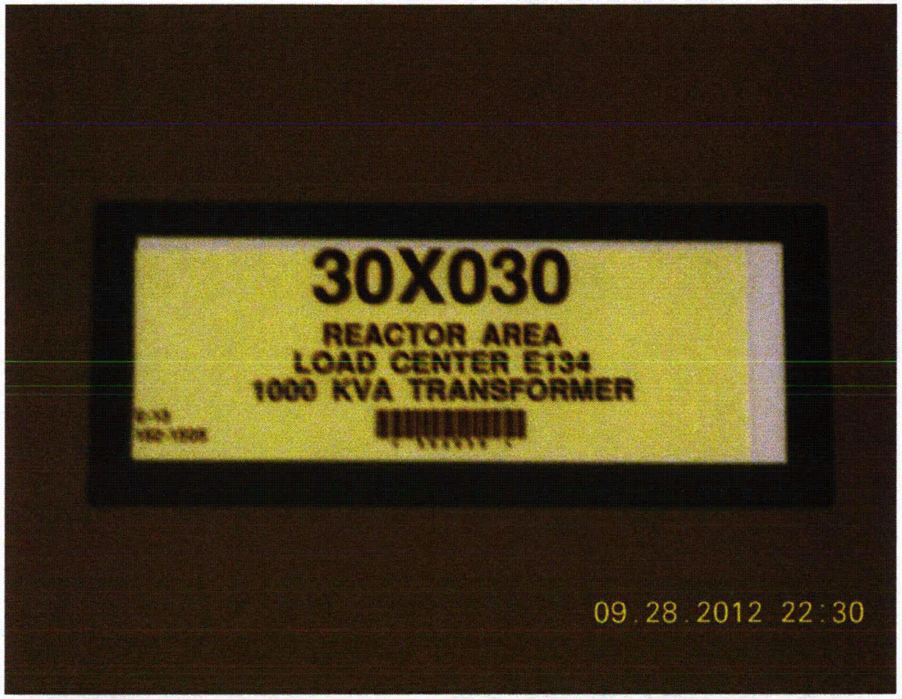
Comments (Additional pages may be added as necessary)

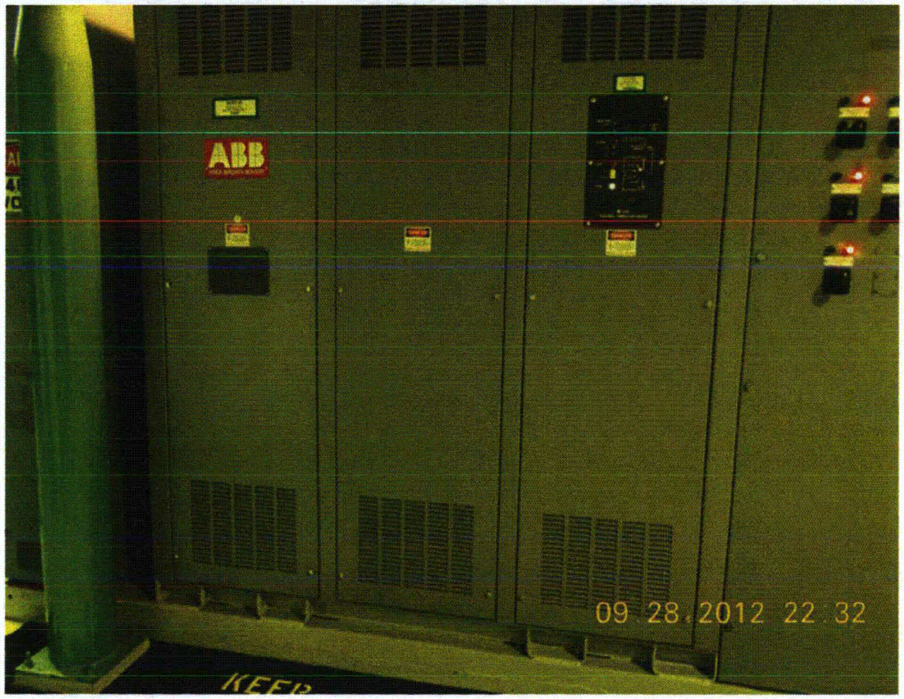
Cabinets not opened because they require hand tools & cabinet is energized.

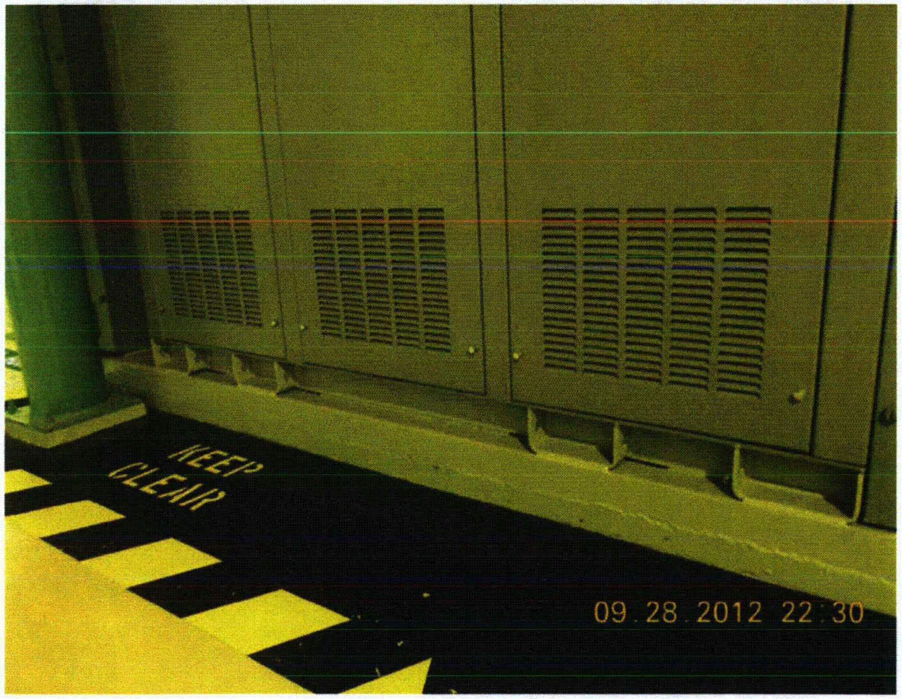
Evaluated by: [signature] Date: 10/8/12

[signature] 10/8/12

Equipment ID: 30X030







Seismic Walkdown Checklist (SWC)

Equipment ID No. 30X033 Equip. Class[12] (04) Transformers

Equipment Description *Load Center E434 Transformer*

Location: Bldg. *Reactor* Floor El. *165* Room, Area *R3-41*

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☐

Anchorage verified to be in good condition.

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☐

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

Equipment ID No. 30X033 Equip. Class[12] (04) Transformers

Equipment Description *Load Center E434 Transformer*

Interaction Effects

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

No soft targets identified

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☐

~~Need to verify~~ M.O. 11/13/12 adjacent masonry walls are reinforced. (Verified walls 410.6–410.10 per M-701, Rev. 1) Lighting is secure.

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

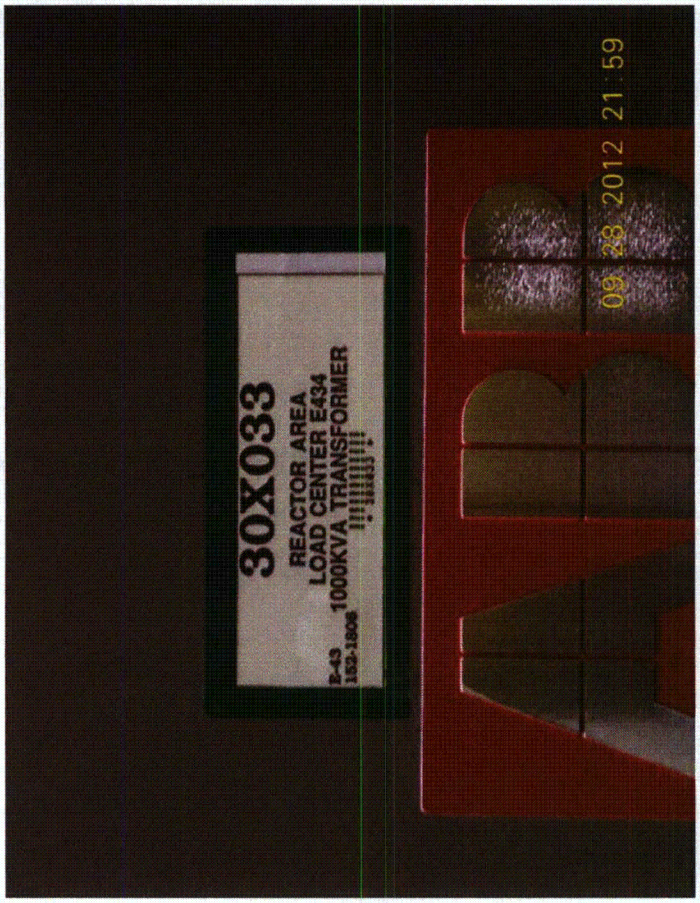
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

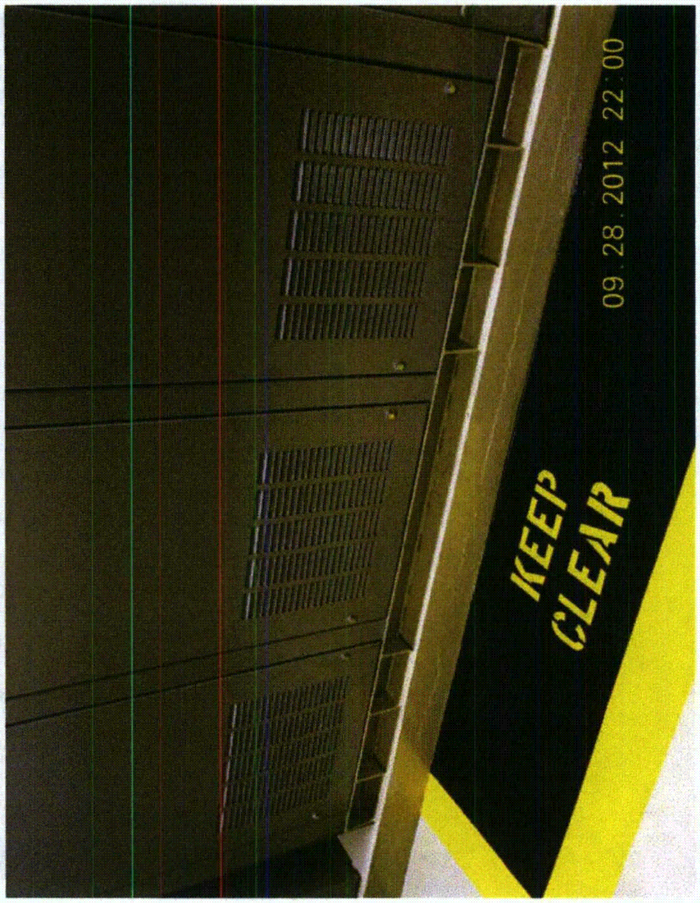
Comments (Additional pages may be added as necessary)

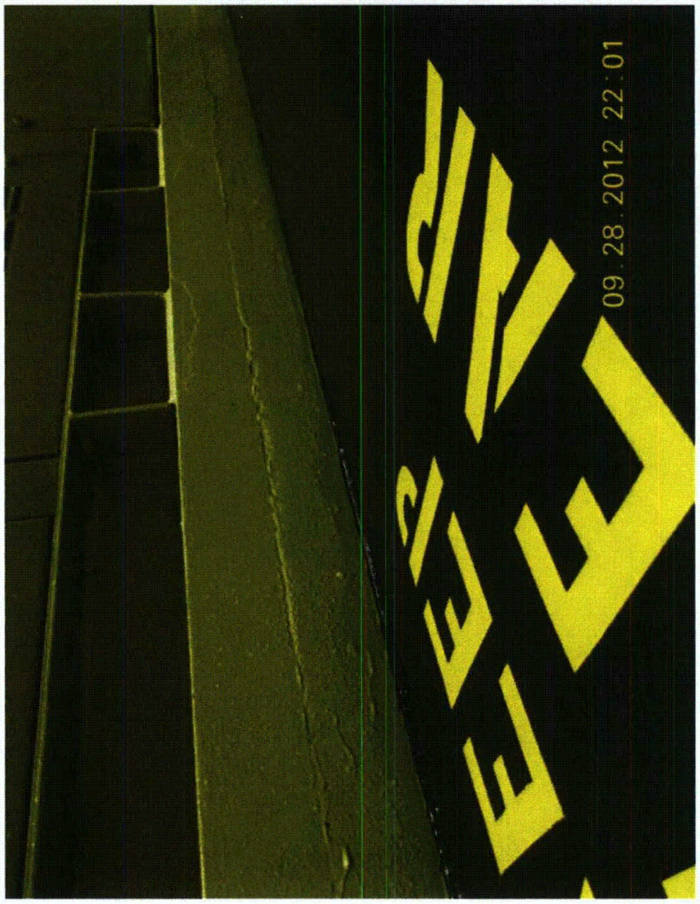
~~IPEEE:~~ ~~Cbt~~ Cabinet not opened because it requires hand tools & it is energized.

Evaluated by: [signature] Date: 10/8/12

M. O'gbrien 10/8/2012


30X033
REACTOR AREA
LOAD CENTER E434
1000KVA TRANSFORMER
E-43
152-1806
ABB
09.28.2012 21:59


KEEP
CLEAR
09.28.2012 22:00


09.28.2012 22:01

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30X133 Equip. Class[12] (04) Transformers

Equipment Description *Panel 30Y33 Transformer* gw 9/17/2012

Location: Bldg. *Turbine* Floor El. ~~150~~ 135 Room, Area *T3-~~81~~* 171

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☐
   - Mounted to block wall (see #8)

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. 30X133 Equip. Class[12] (04) Transformers

Equipment Description *Panel 30Y33 Transformer*

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☐

   • Block walls 40-11, -20 and -22 are safety-related per PBAPS Specification No. M-701, Rev. 1

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☐

   • Conduit #ZB30599 is touching the top of transformer, but is supported by wall penetration and ceiling hanger; judged acceptable

Other Adverse Conditions

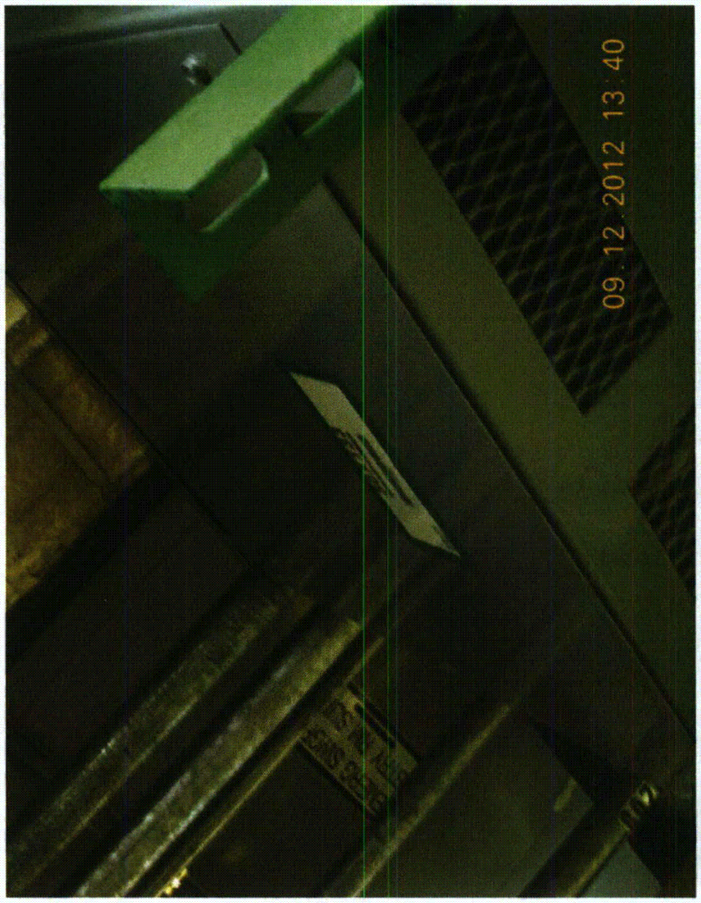
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

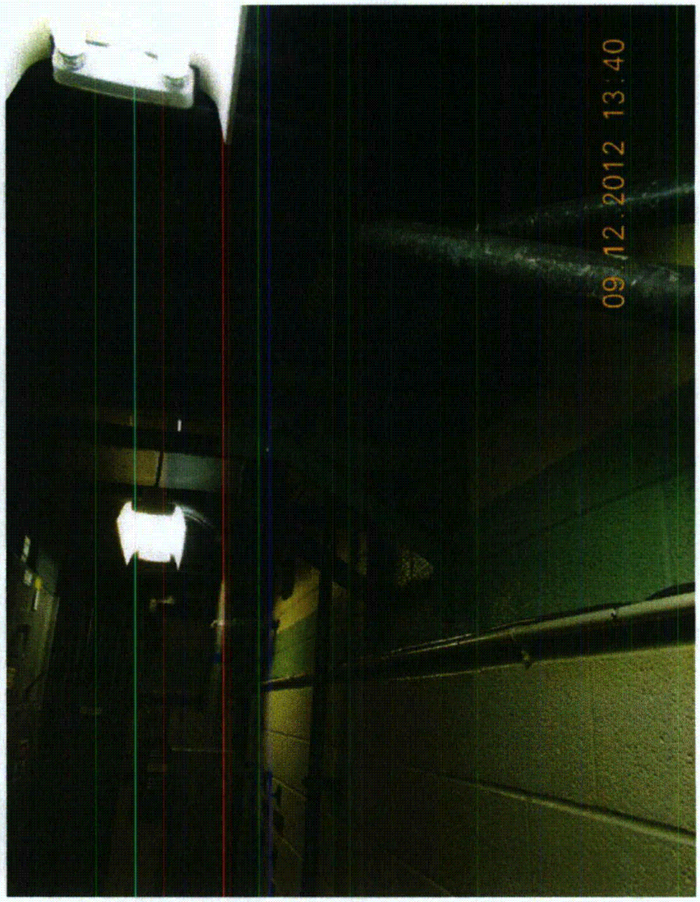
Comments (Additional pages may be added as necessary)

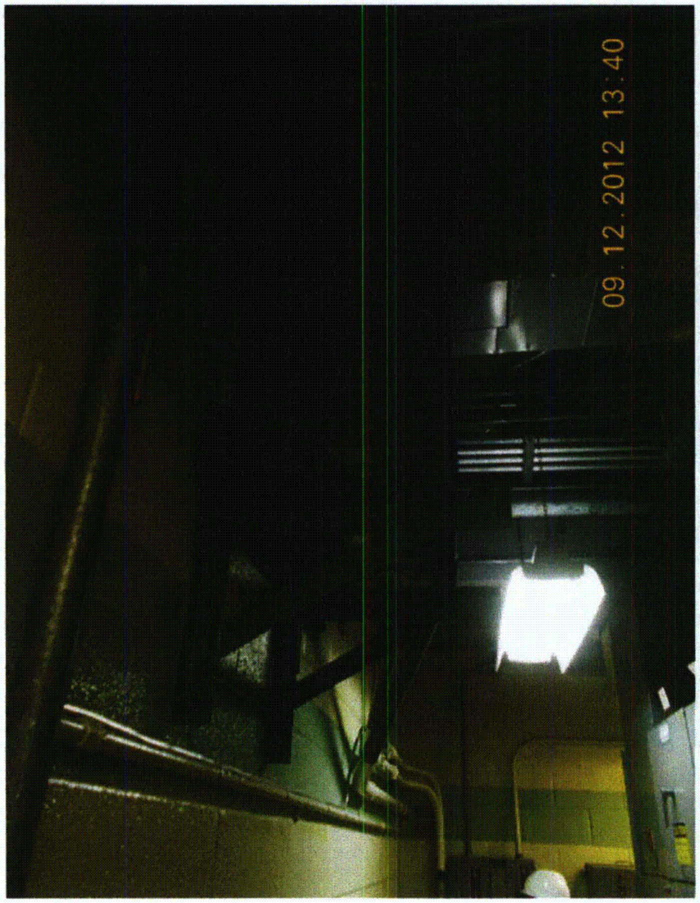
N/A

Evaluated by: James Wiggin Date: 9/17/2012

[signature] 9/17/2012

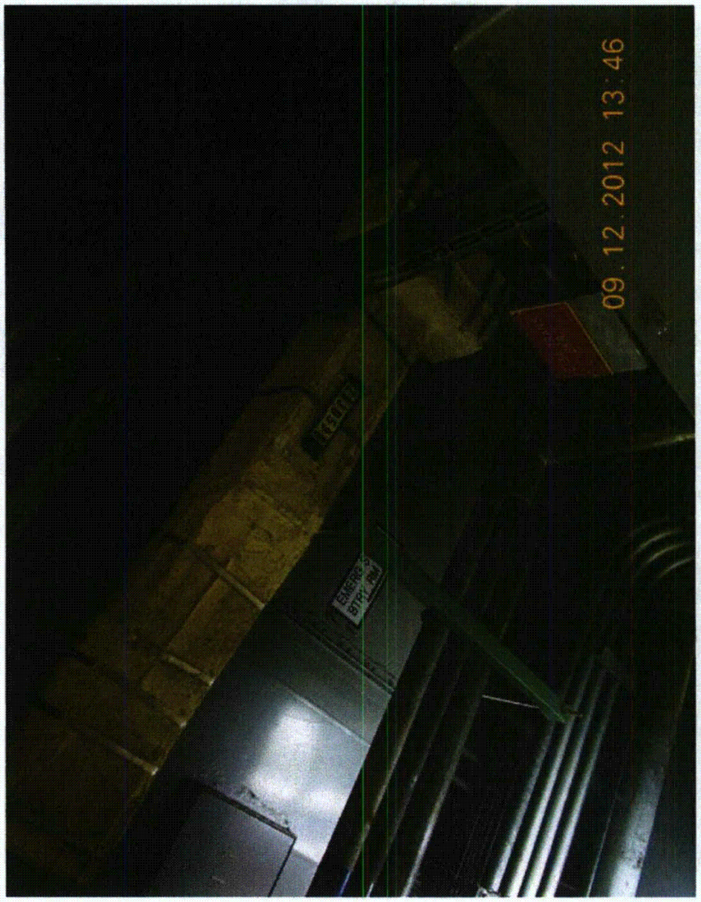

09.12.2012 13:40

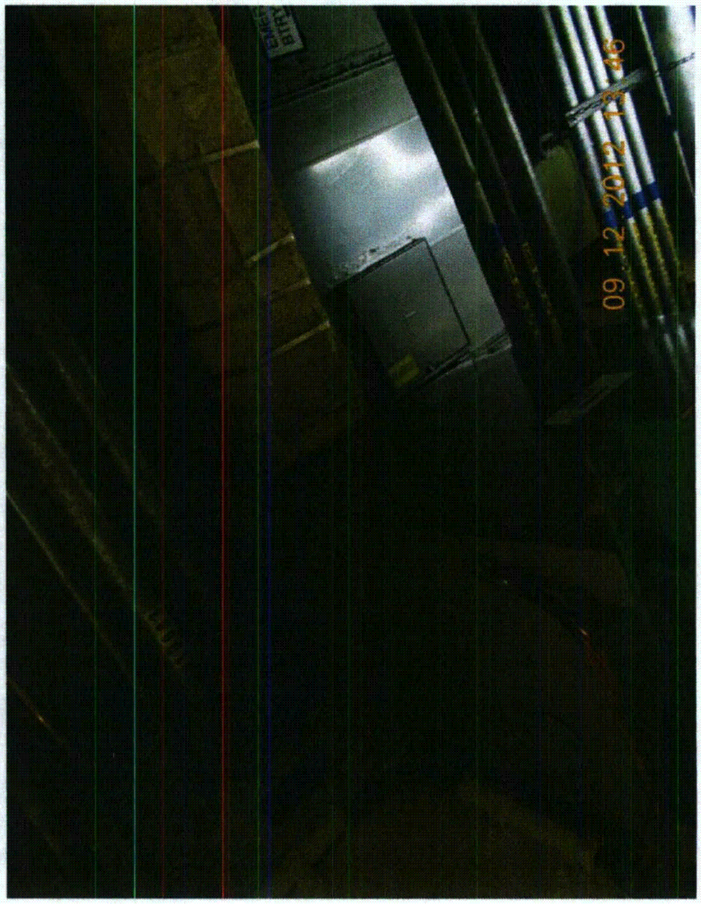

09.12.2012 13:40


09.12.2012 13:40


09.12.2012 13:40

Equipment ID: 30X133





Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30Y50 Equip. Class[12] (14) Distribution Panels

Equipment Description *120V AC Distribution Panel*

Location: Bldg. *Turbine* Floor El. *150* Room, Area *T3-81*

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☒

   Mounted on 2 horizontal Unistrut at top & bottom. Unistrut anchored into block wall, confirmed to be safety by Spec M-701 r1. Attached to unistrut at each end via bolt anchors channel nut on each end

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

   Masonry Wall designations 68-1 and 68-3 per S-68 Rev 33.

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

Equipment ID No. 30Y50 Equip. Class[12] (14) Distribution Panels

Equipment Description *120V AC Distribution Panel*

Interaction Effects

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

No soft targets identified

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 II/I concerns

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

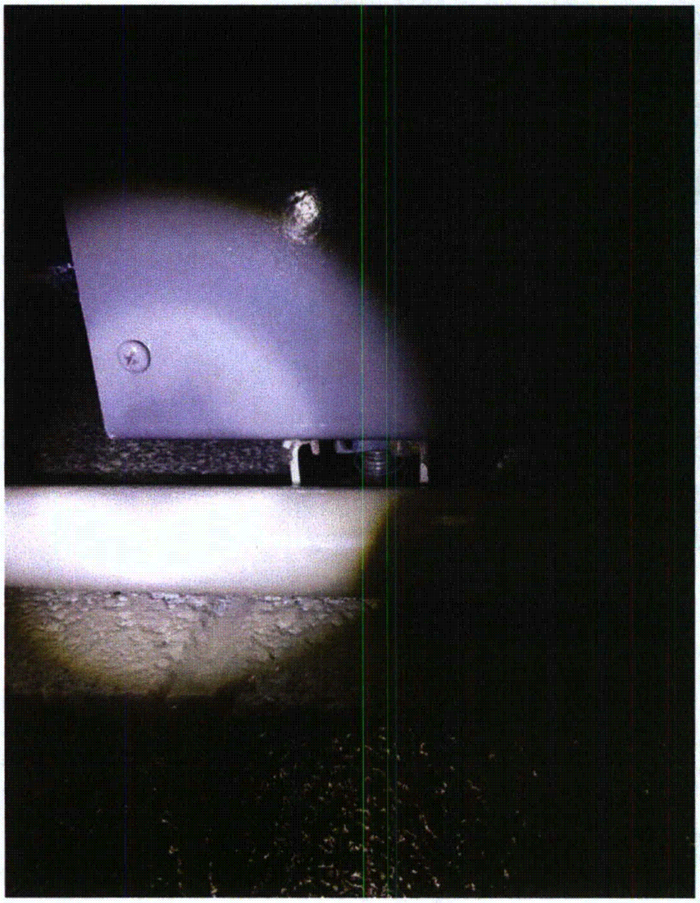
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

Evaluated by: [signature] Date: 9/25/12

[signature] 9/25/12

Equipment ID: 30Y050



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 30Y35 Equip. Class[12] (14) Distribution Panels

Equipment Description *3PPD 125V DC Distribution Panel 3C*

Location: Bldg. *Reactor* Floor El. *135* Room, Area *R3-29*

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☐

   Anchorage in good condition.
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☐

   BMF 9/25/12
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. 30Y35 (handwritten correction: 0 above the Y) Equip. Class[12] (14) Distribution Panels

Equipment Description *3PPD 125V DC Distribution Panel 3C*

Interaction Effects

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

   No soft targets identified.

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 II/I Concerns

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

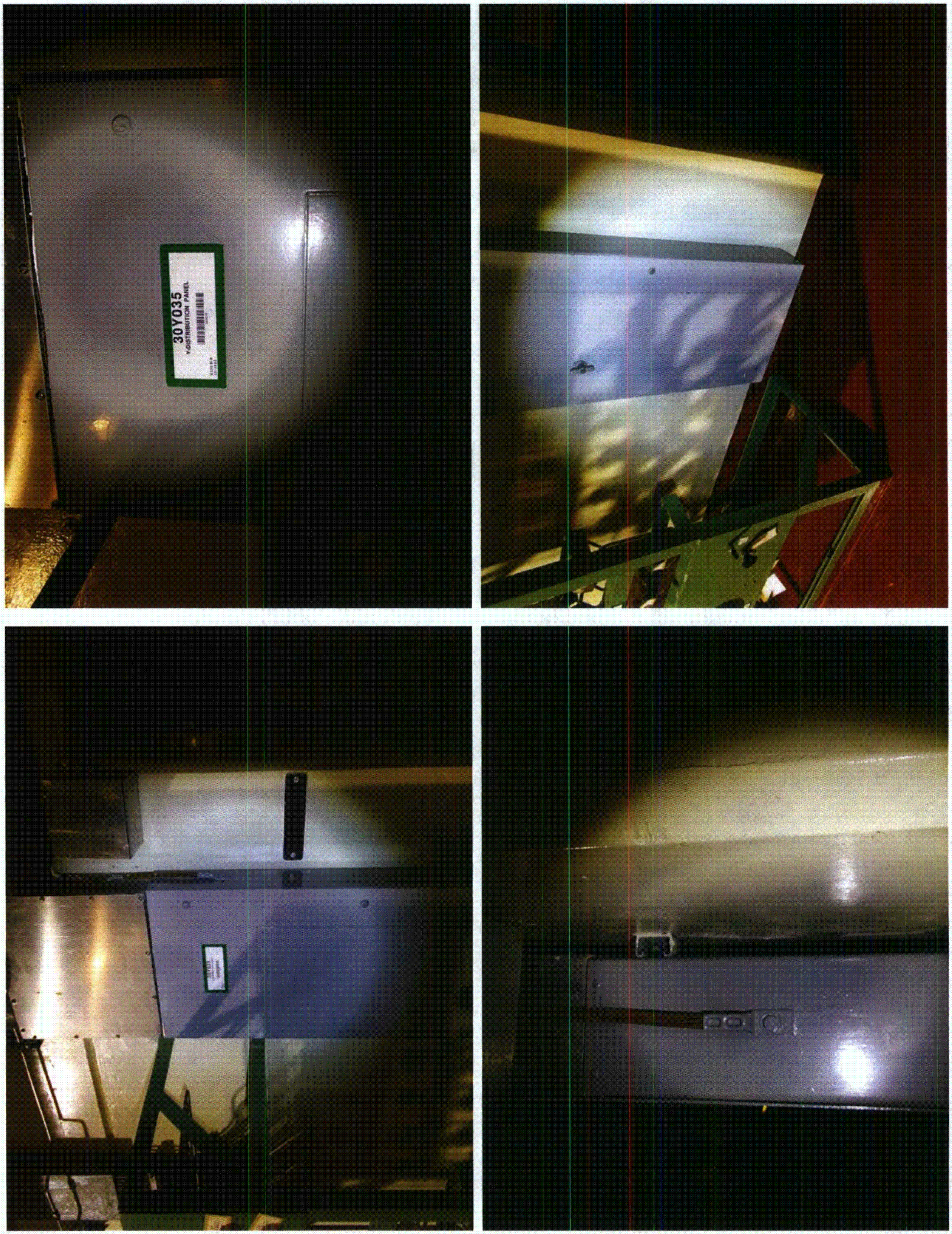
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☑ N☐ U☐

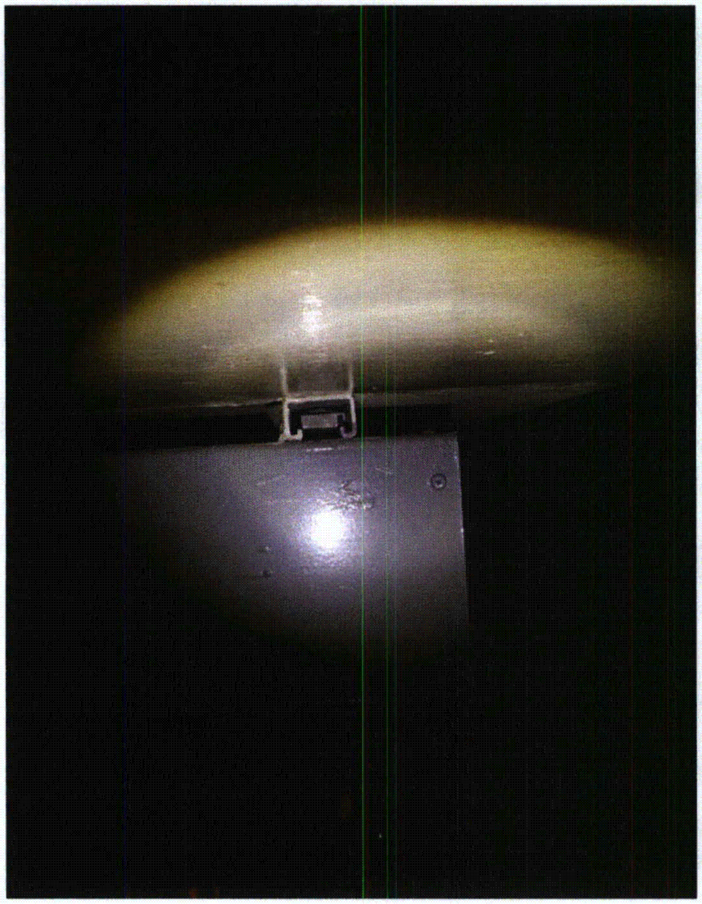
Comments (Additional pages may be added as necessary)

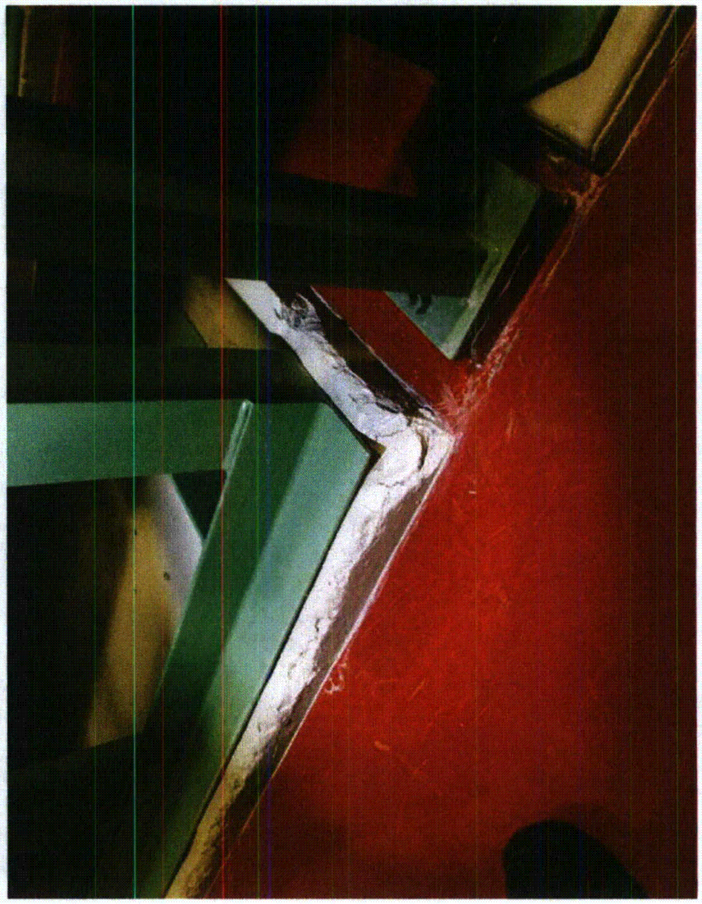
Evaluated by: [signature] Date: 9/25/12

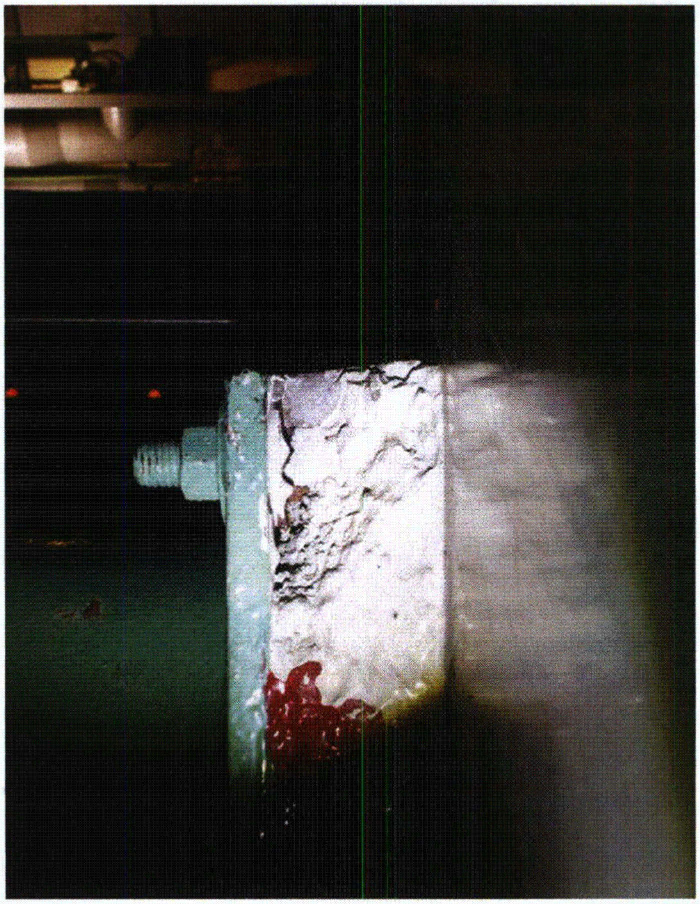
[signature] 9/25/12

Equipment ID: 30Y035









Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AC65 Equip. Class[12] (18) Instruments on Racks / Not on Racks

Equipment Description *RPS Instrument Rack*

Location: Bldg. *Reactor* Floor El. *165* Room, Area *R3-40*

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☐

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

Equipment ID No. 3AC65 Equip. Class[12] (18) Instruments on Racks / Not on Racks

Equipment Description *RPS Instrument Rack*

Interaction Effects

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

   · Temporary barriers blocked by protective fence

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☐

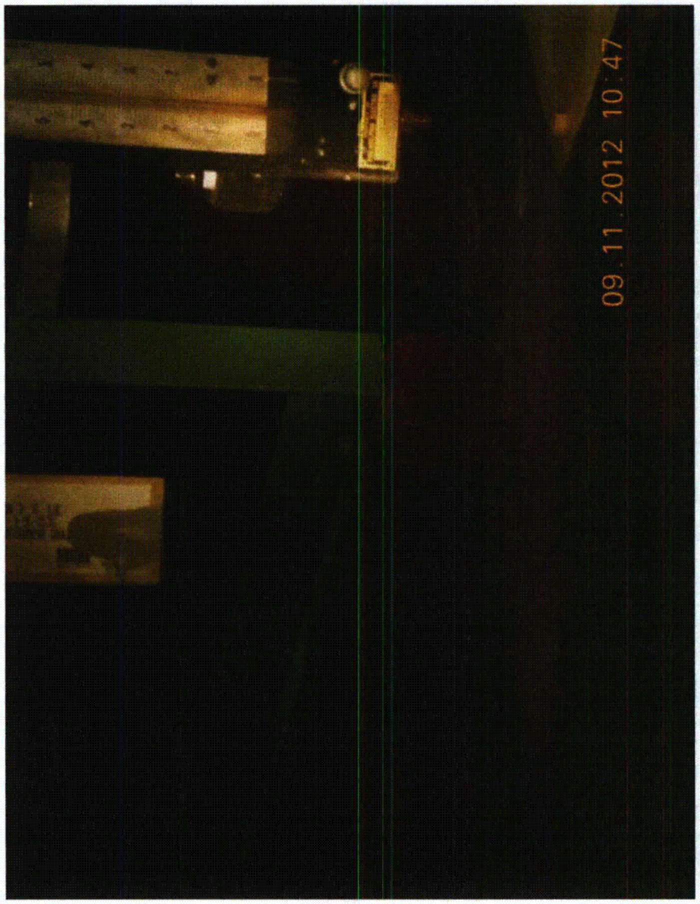
Comments (Additional pages may be added as necessary)

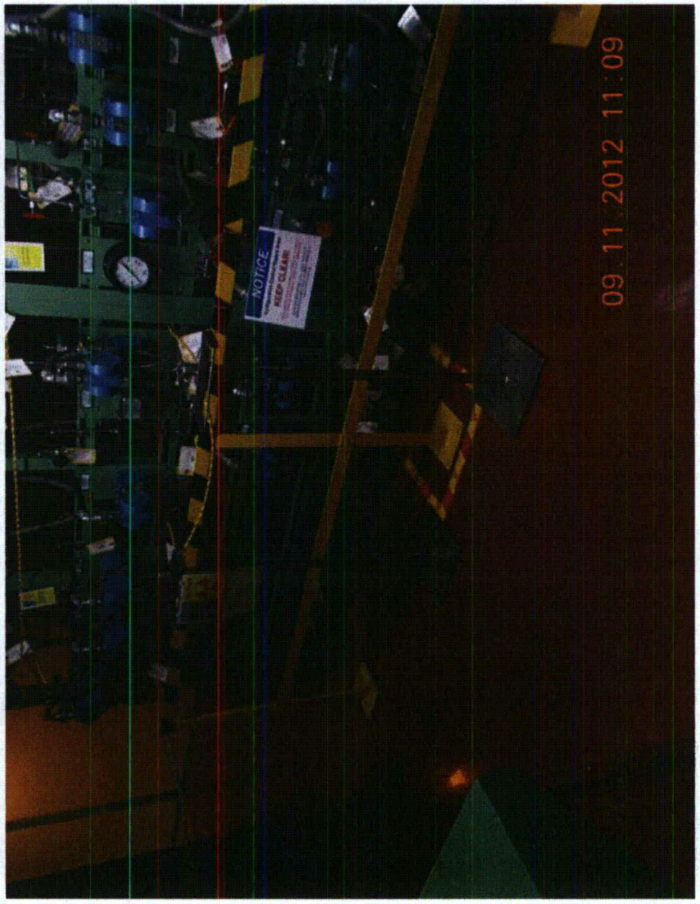
N/A

Evaluated by: [signature] Date: 9/17/2012

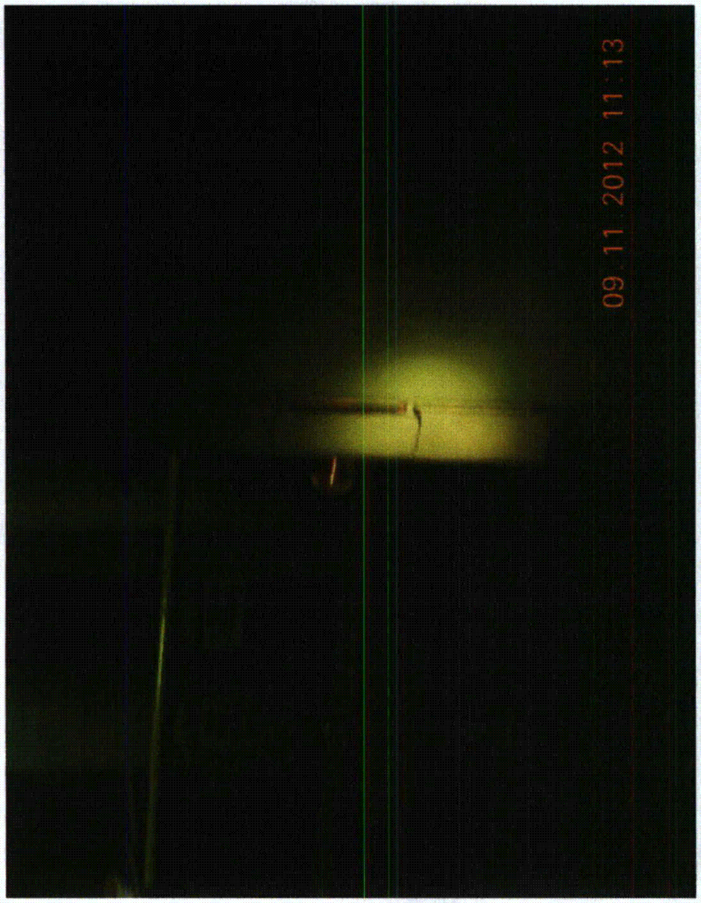
[signature] 9/17/2012

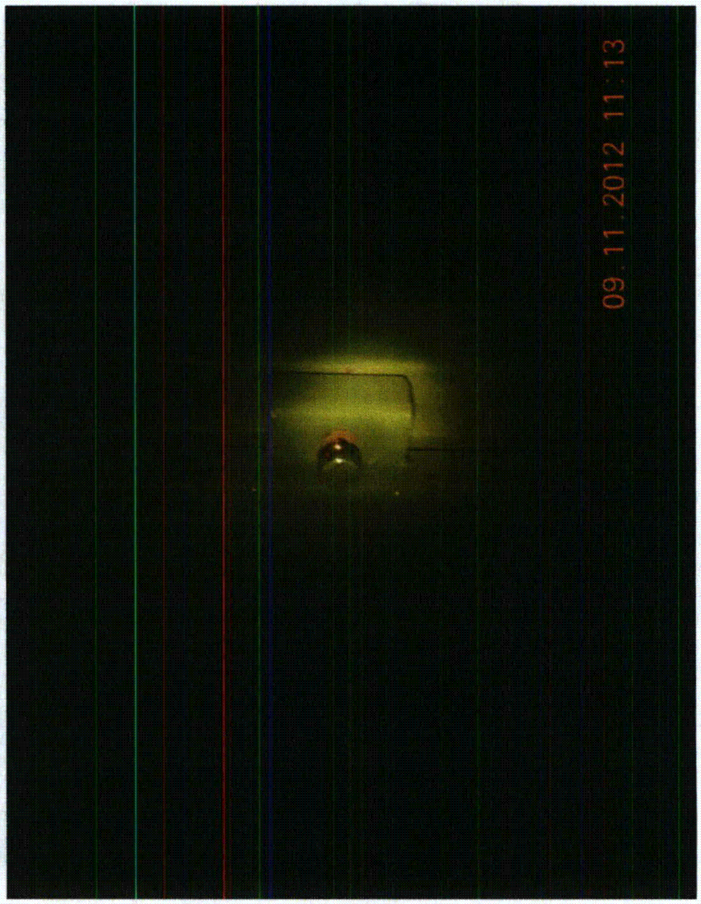
Equipment ID: 3AC065

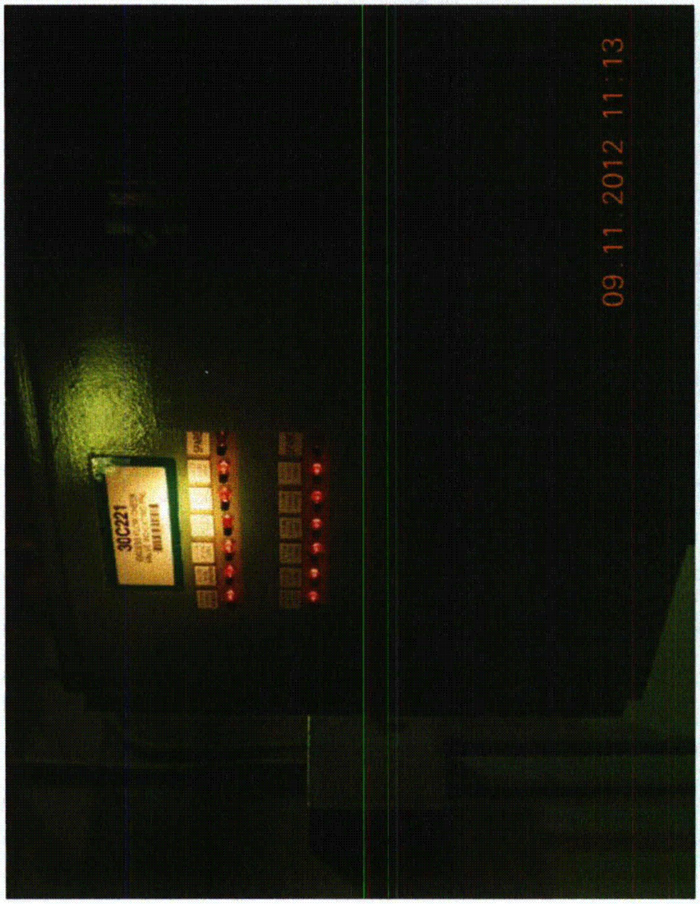


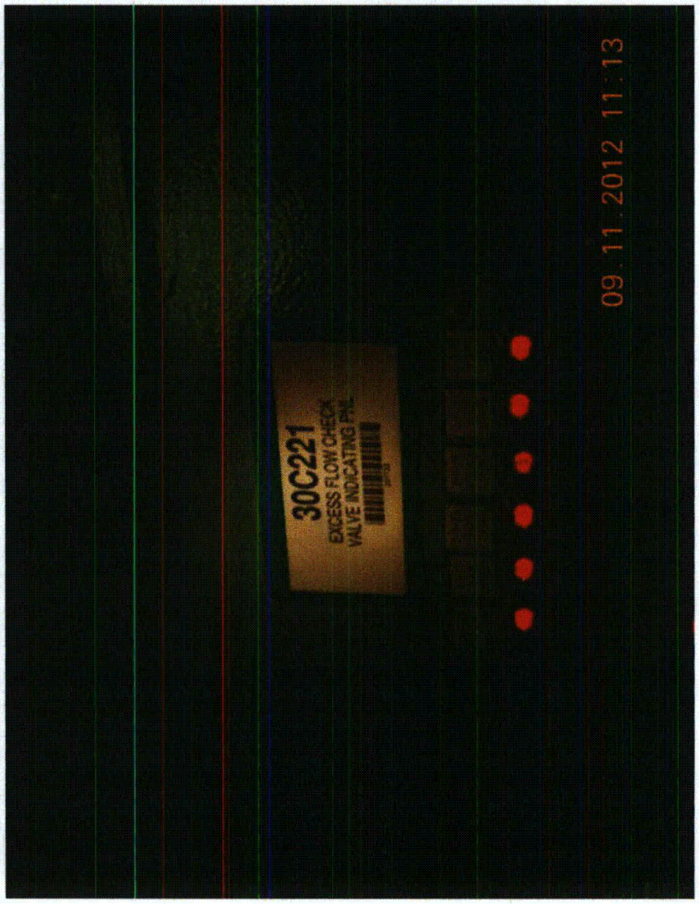


Equipment ID: 3AC065

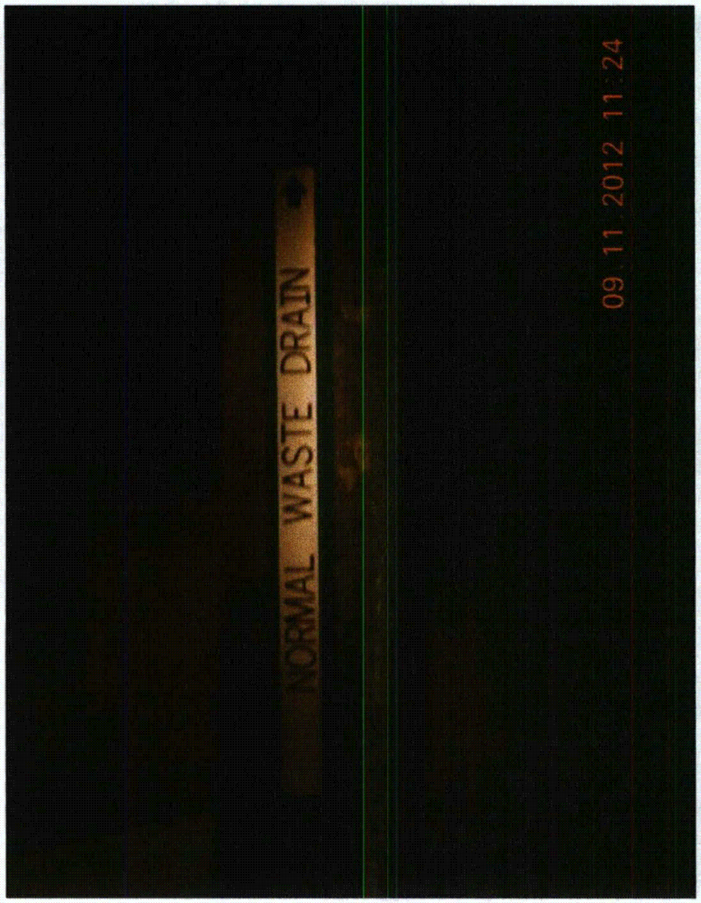


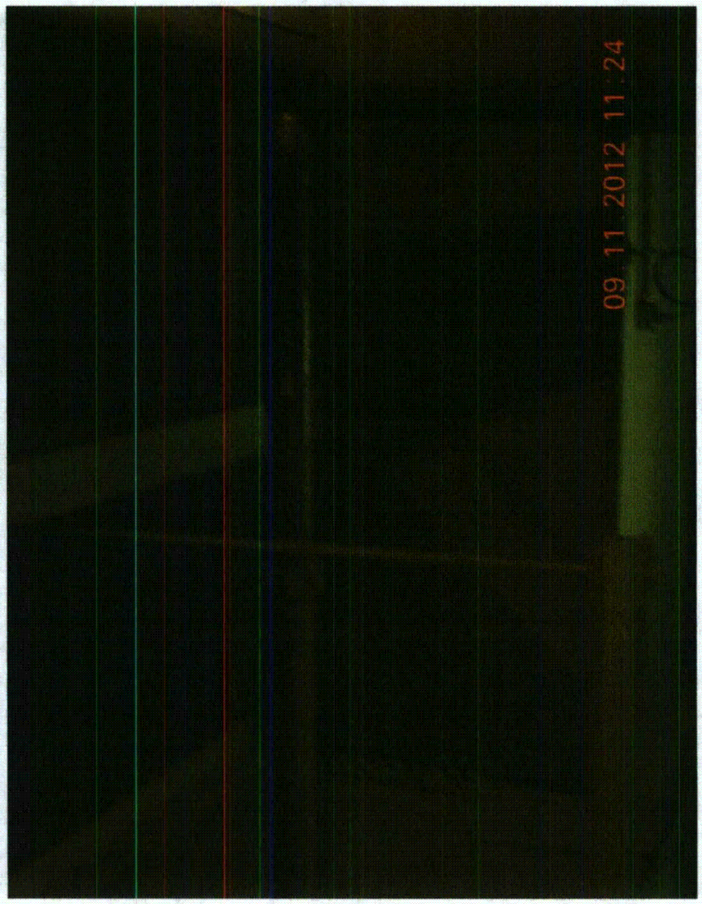






Equipment ID: 3AC065





Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. ~~3BE58~~ 3AE058 BMF 9/11/12 Equip. Class[12] (10) Air Handlers

Equipment Description *RHR Room A Cooling Coil ~~B~~ A*

Location: Bldg. *Reactor* Floor El. ~~91~~ 116' BMF 9/11/12 Room, Area *R3-5*

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☐

   See Dwg. 6280-S-975 Rev.0

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

   Detail D on Dwg indicates 5/8" bolts. Plate bears on grating w/ no bolts. PS Anchorage evaluated in PS-0922 Rev.0 + missing bolt is acceptable.

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 #2

   BMF 10/8/12
   BMF 10/8/12

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

→ Configuration management issue addressed in IR# 01411581. BMF 10/15/12

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

Equipment ID No. ~~3BE58~~ 3AE058 CBL 9/11/12 Equip. Class[12] (10) Air Handlers

Equipment Description *RHR Room A Cooling Coil ~~B~~ A*

Interaction Effects

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

No soft targets identified.

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 credible II/I issues identified.

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

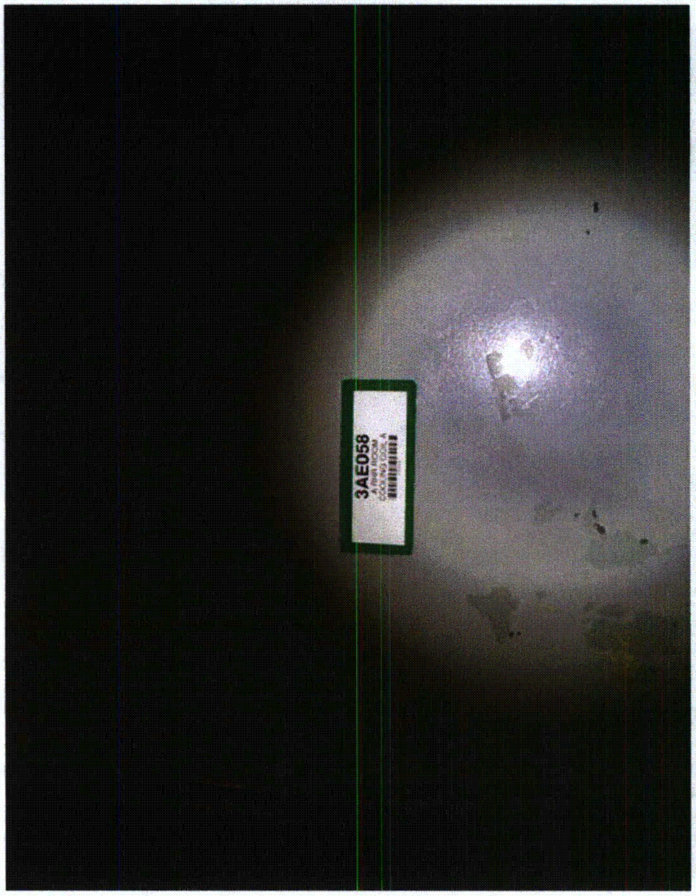
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

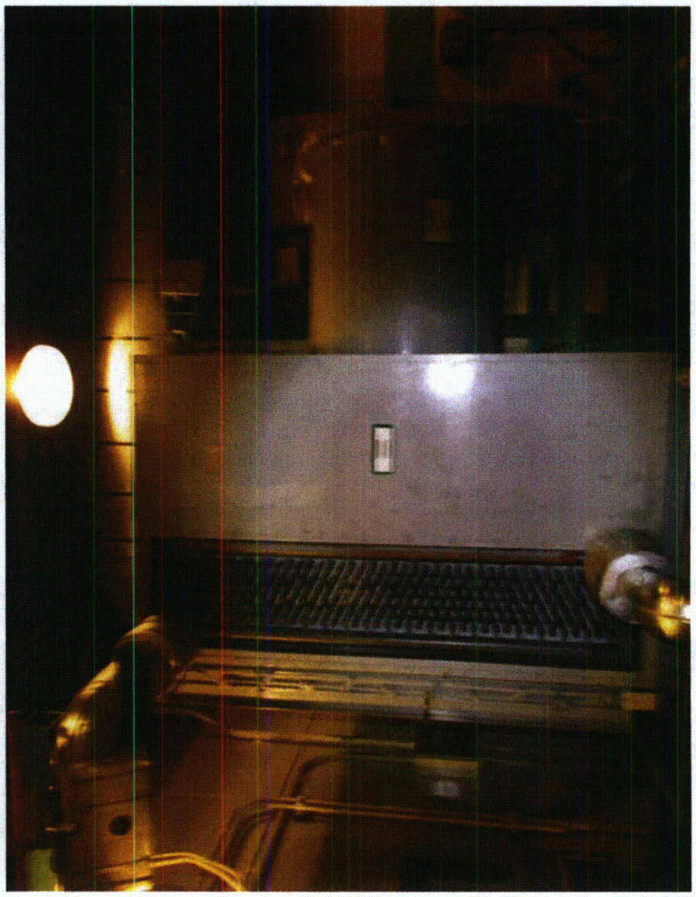
Comments (Additional pages may be added as necessary)

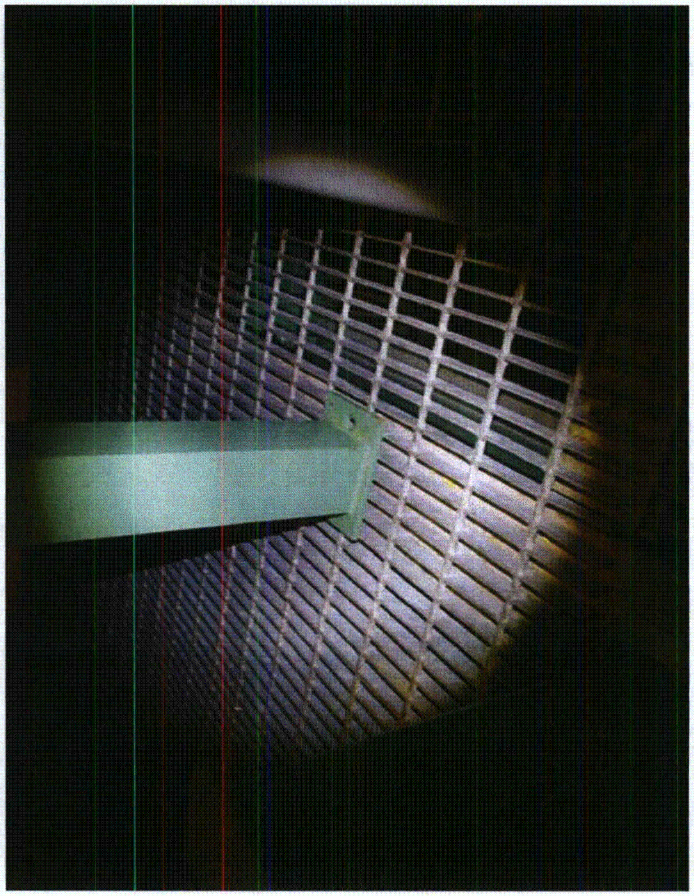
Evaluated by: [signature] Date: 9/11/12

[signature] 9/11/12

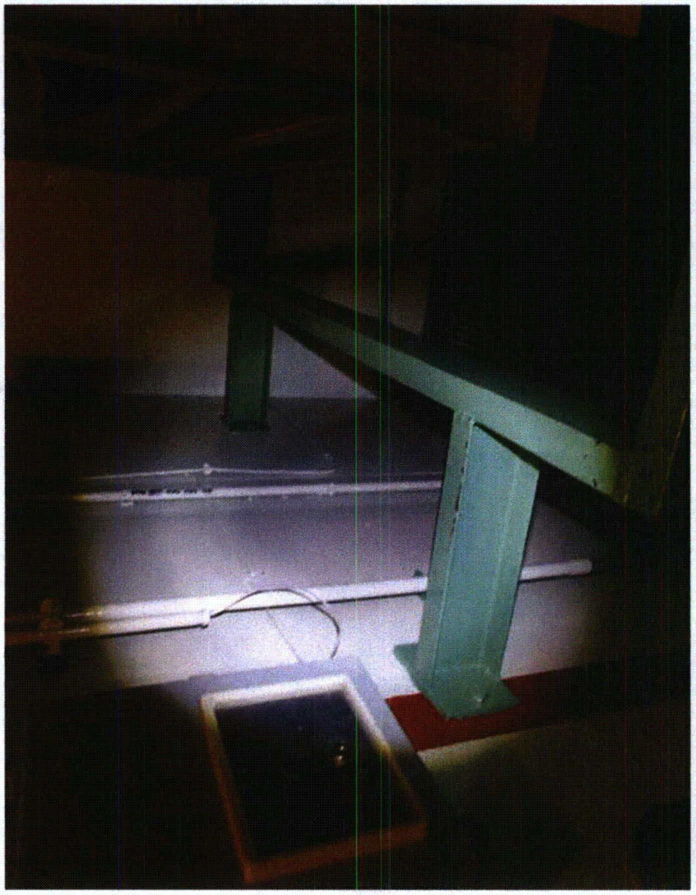
Equipment ID: 3AE058

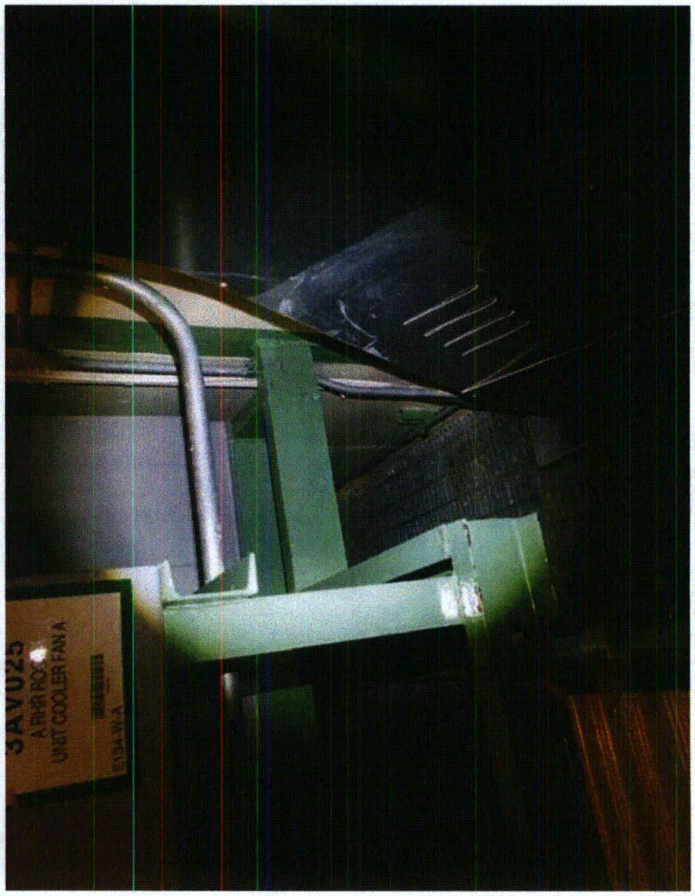


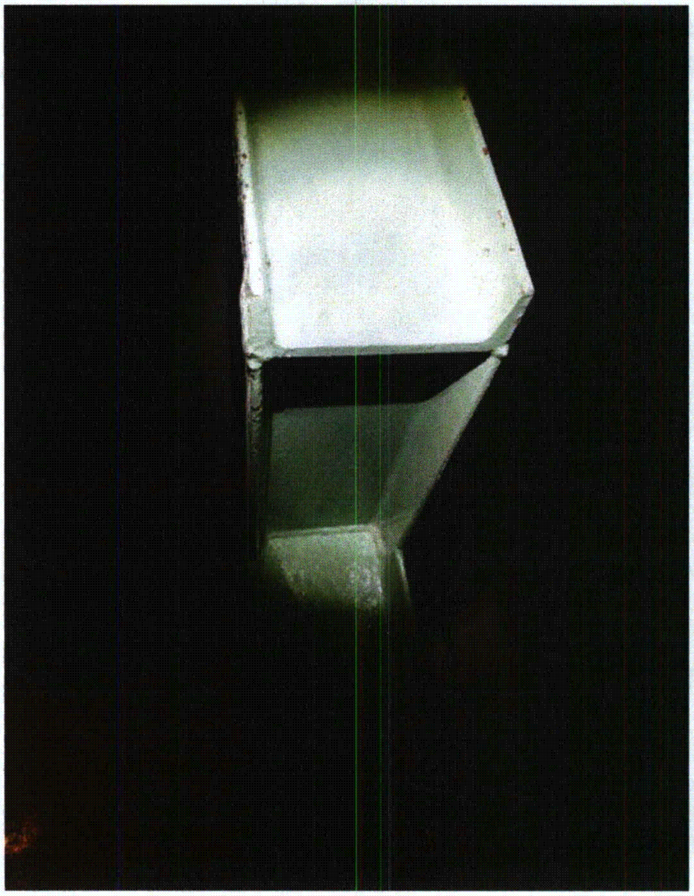


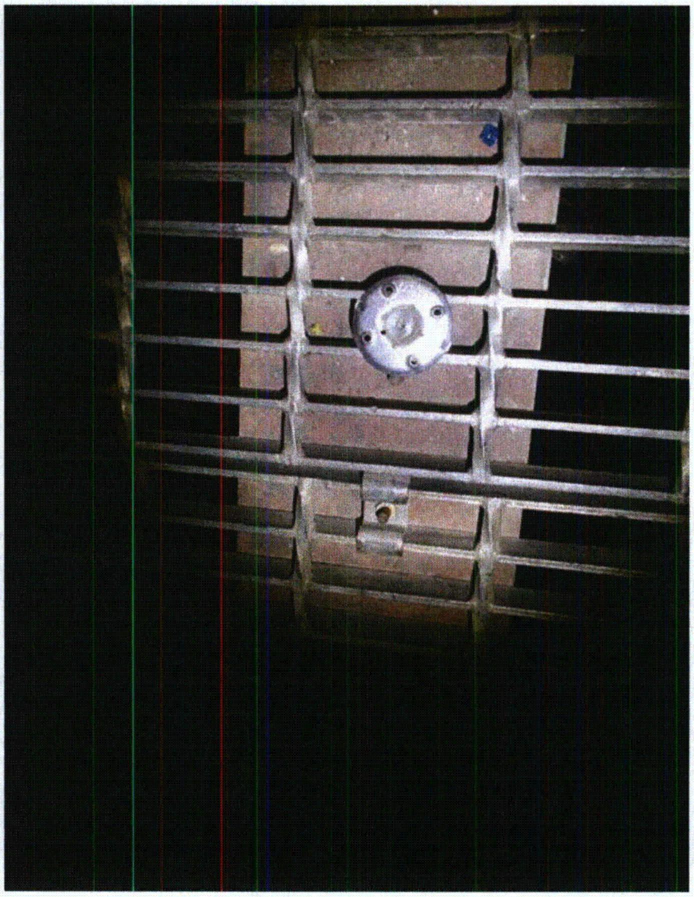


Equipment ID: 3AE058









Status: Y N U

Seismic Walkdown Checklist (SWC) near HV-3-10-31550A

Equipment ID No. 3AE124 ~~3BE124~~ Equip. Class[12] (21) Tanks or Heat Exchangers (Horizontal)

Equipment Description *RHR Pump 3A ~~3B~~ Seal Cooler*

Location: Bldg. *Reactor* Floor El. *91* Room, Area ~~*R3-6*~~ R3-5

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 oxidation on seal cooler head is judged to not be a concern.

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. ~~3BE124~~ 3AE124 BMF 9/11/12 Equip. Class[12] (21) Tanks or Heat Exchangers (Horizontal)

Equipment Description *RHR Pump ~~3B~~ 3A Seal Cooler* BMF 9/11/12

Interaction Effects

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

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 II/I concerns

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

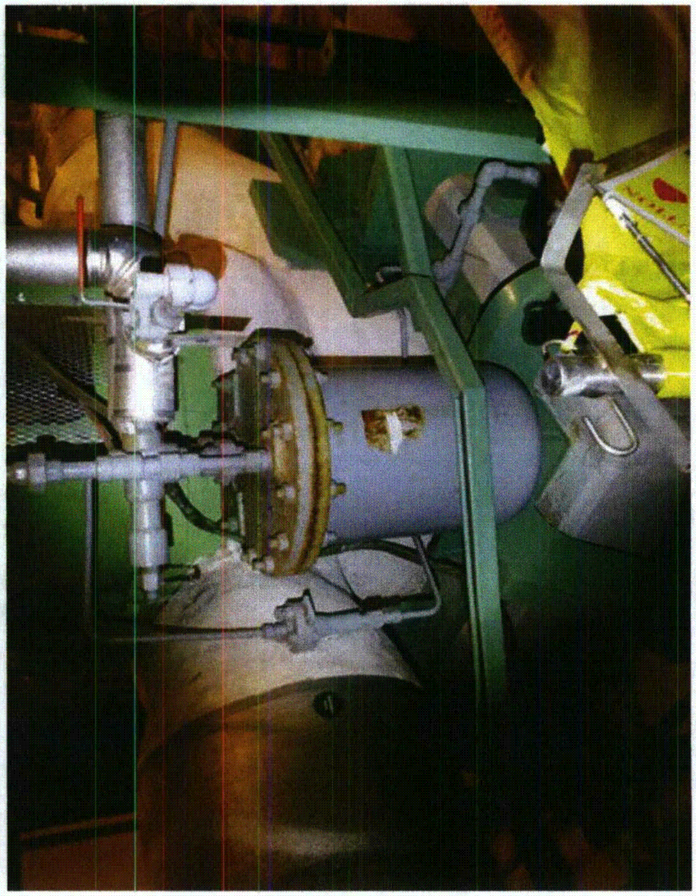
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

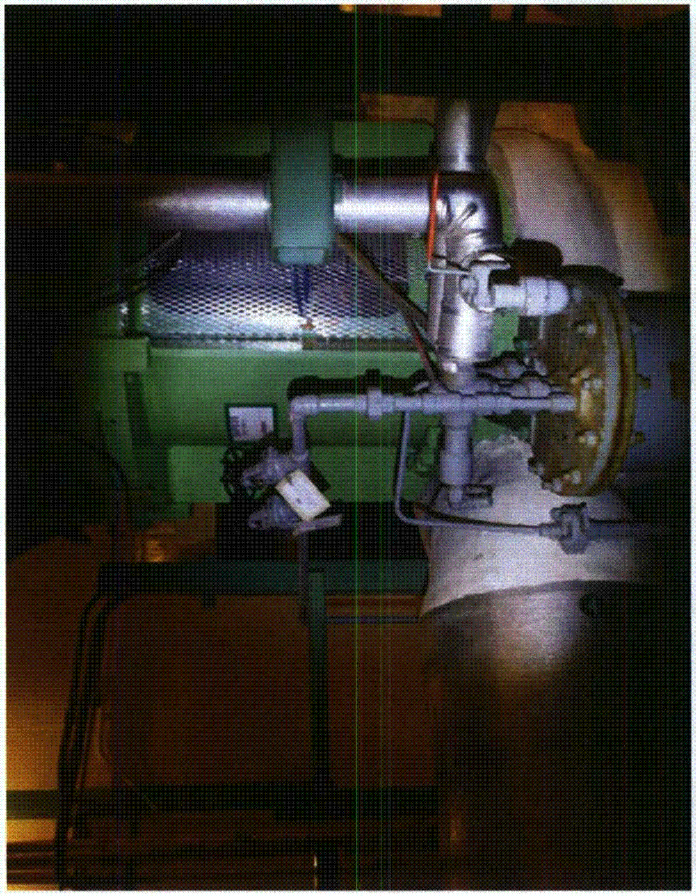
Comments (Additional pages may be added as necessary)

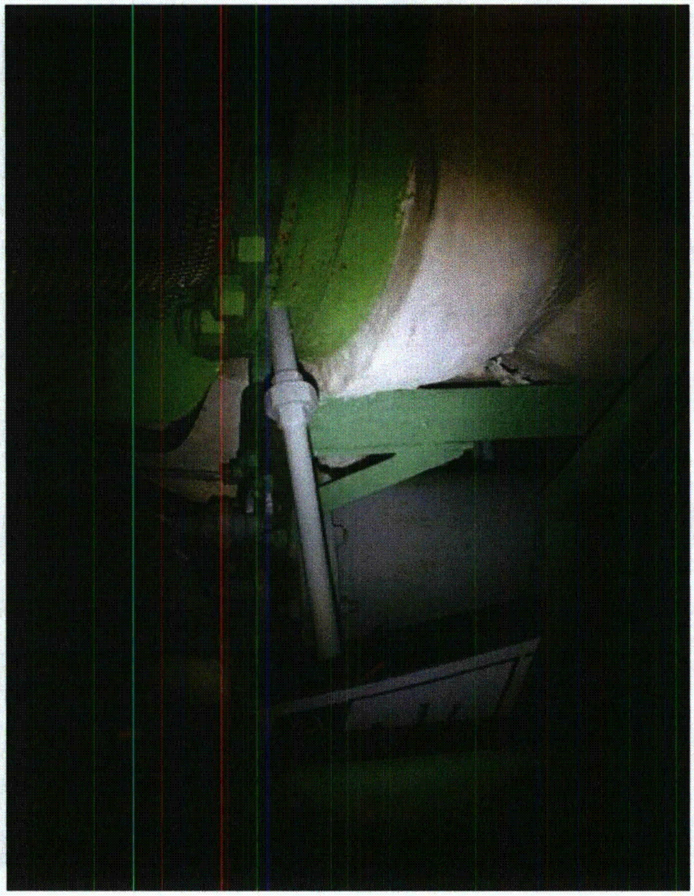
Evaluated by: [signature] Date: 9/25/12

[signature] 9/25/12

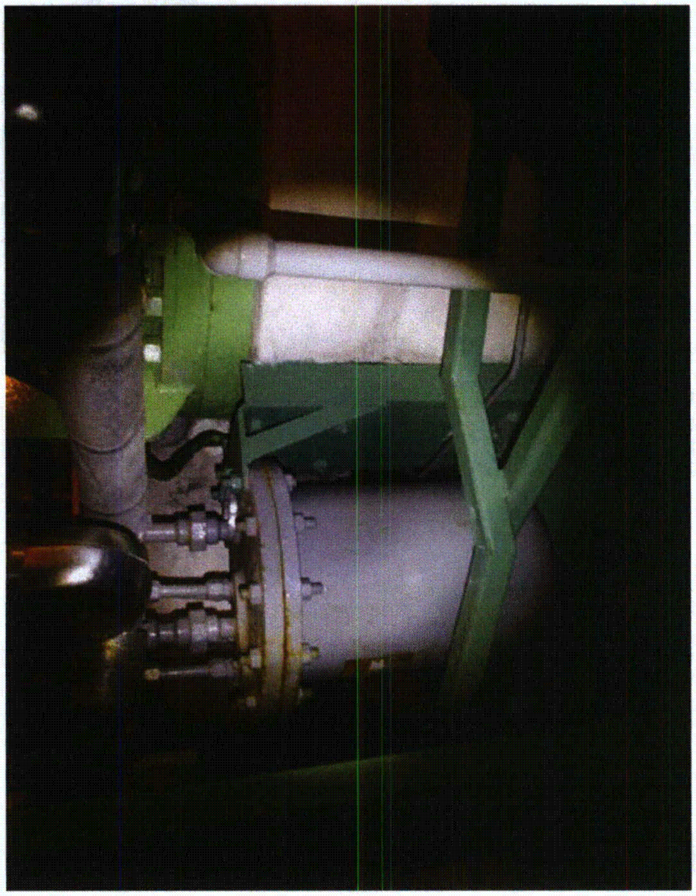
Equipment ID: 3AE124







Equipment ID: 3AE124



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AE55 Equip. Class[12] (10) Air Handlers

Equipment Description *RCIC Room Cooling Coil A*

Location: Bldg. *Reactor* Floor El. ~~91~~ *88* 1/8/12 Room, Area *R3-14*

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.) gtr 9/11/2012 ~~Y☒~~ N☒ U☐ N/A☐

   See Comments ~~Matches Dwg. #S-977 Rev. 1 plus one extra bolt in one anchor plate and a embedded channel instead of bolted to wall for one plate~~ ~~welded to~~ gtr 9/11/2012

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. 3AE55 Equip. Class[12] (10) Air Handlers

Equipment Description *RCIC Room Cooling Coil A*

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☐

   · Nearby scaffolding secured to structural steel

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

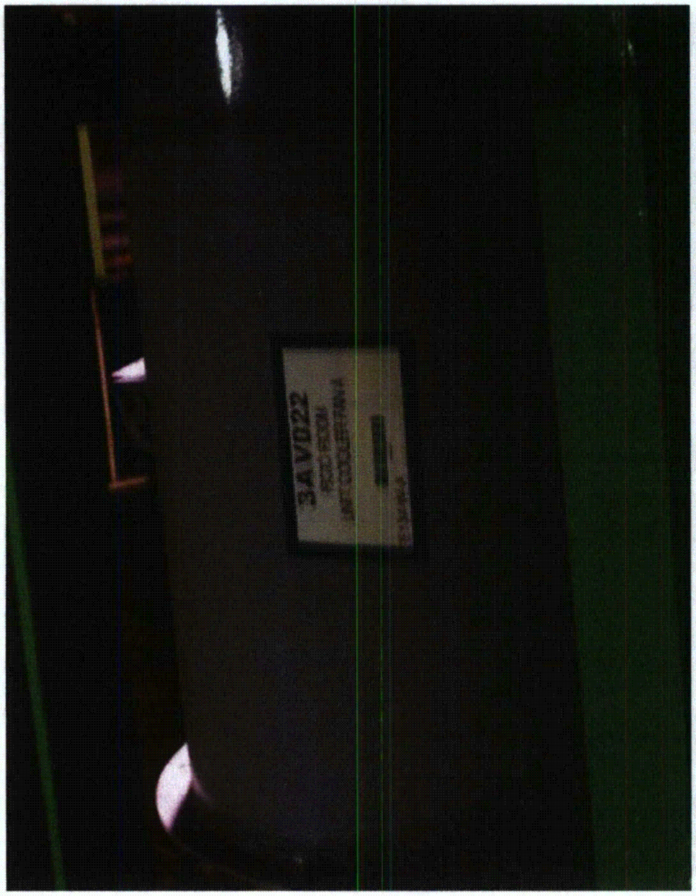
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

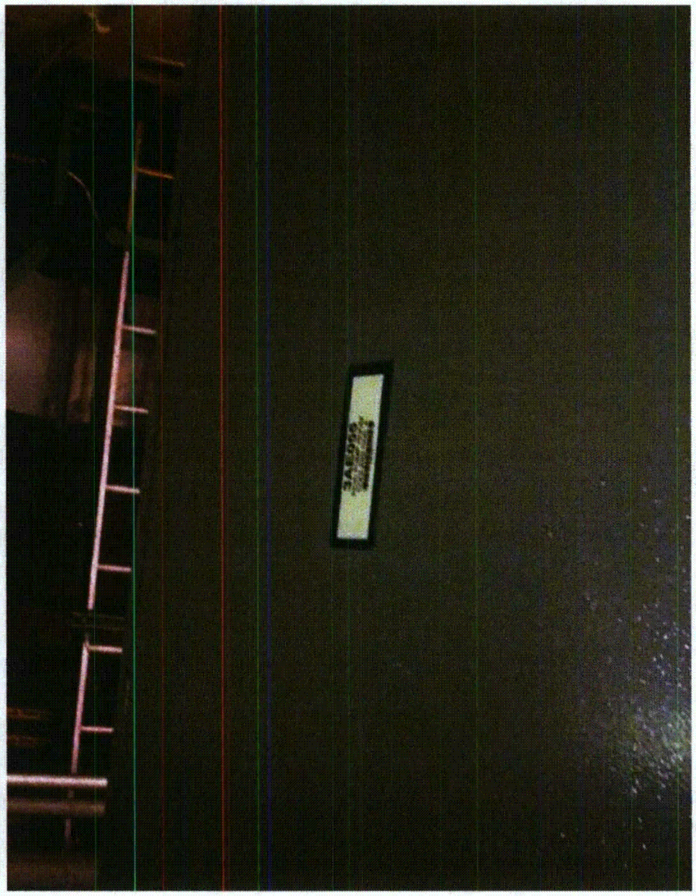
Comments (Additional pages may be added as necessary)

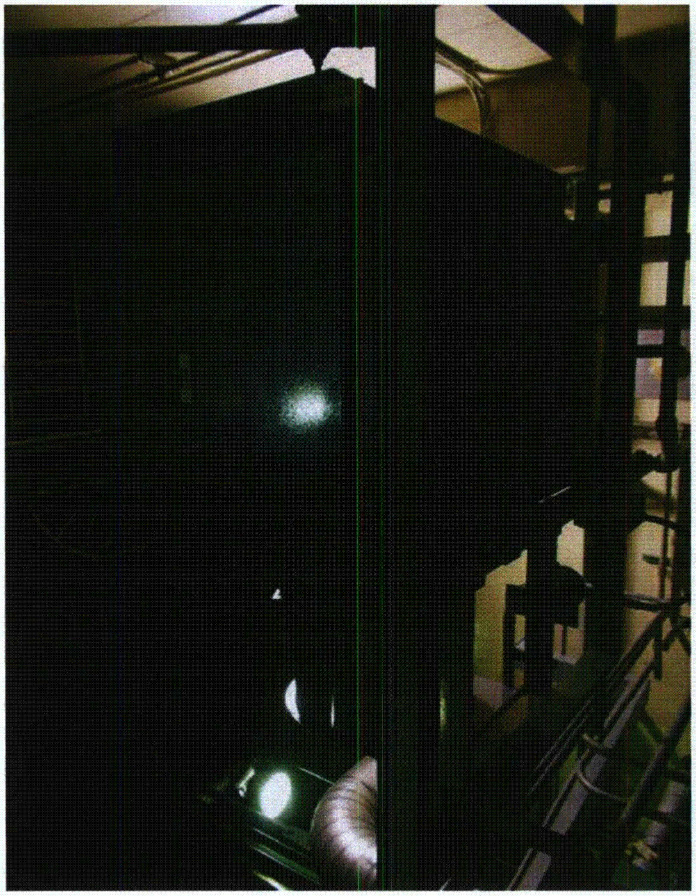
~~N/A~~ gw 9/11/2012 Anchorage does not match Dwg. S-977, Rev. 1, but as-built configuration was evaluated in calculation No. PS-0922, Rev. 0 and judged acceptable. CONFIGURATION MANAGEMENT ISSUE ADDRESSED IN IR # 1411581. KCG 10/9/12 10/15/12

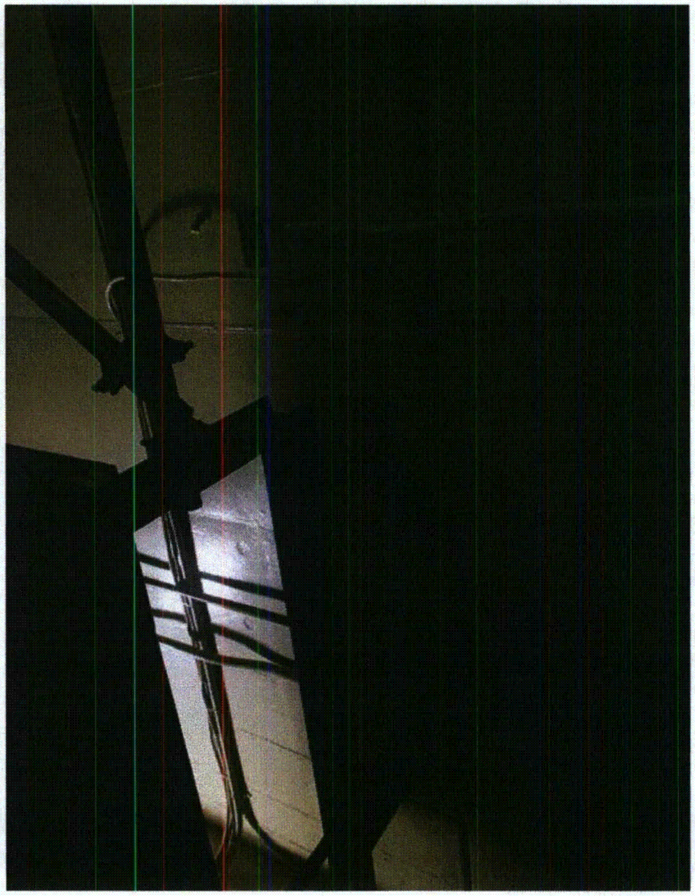
Evaluated by: James Wiggin Date: 9/11/2012

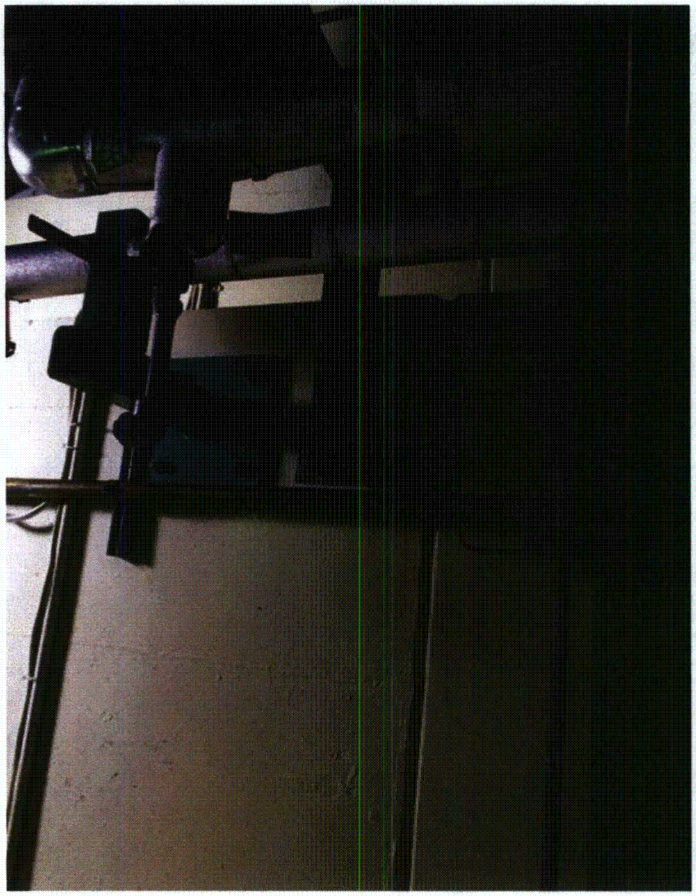
K. Ot 9/11/2012

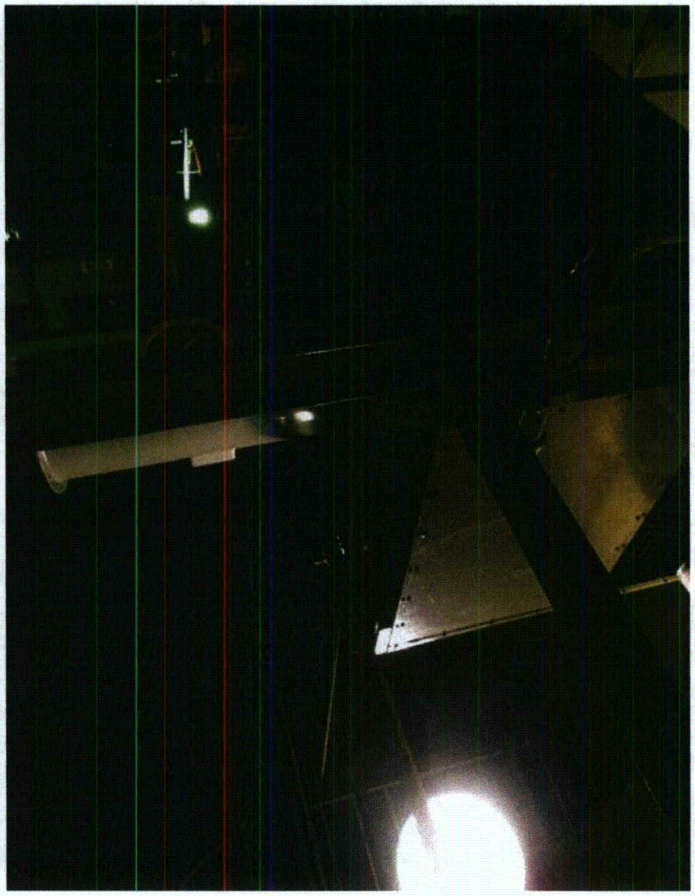

3AV022
RCIC ROOM
UNIT COOLER FAN A

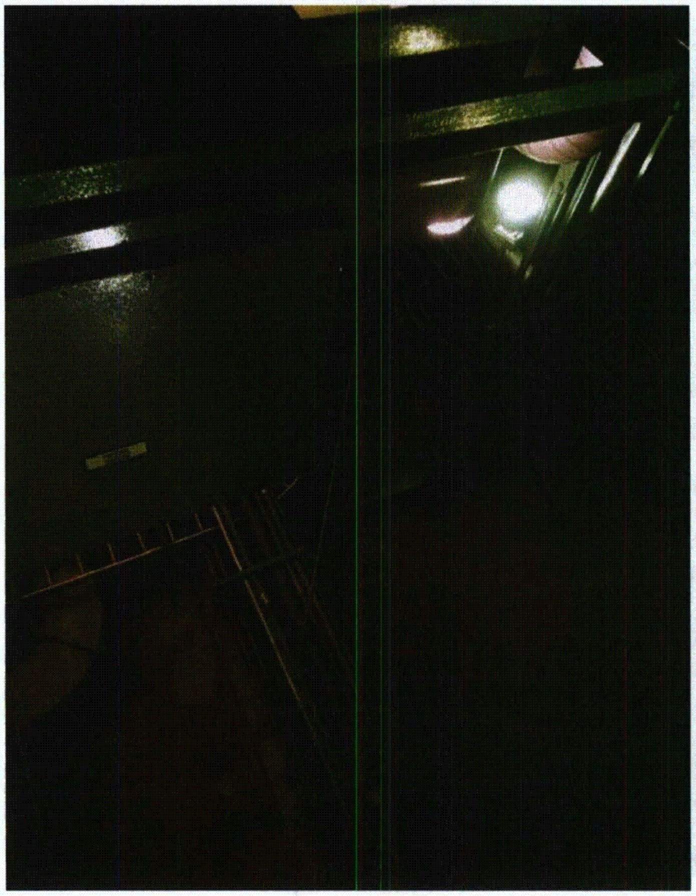


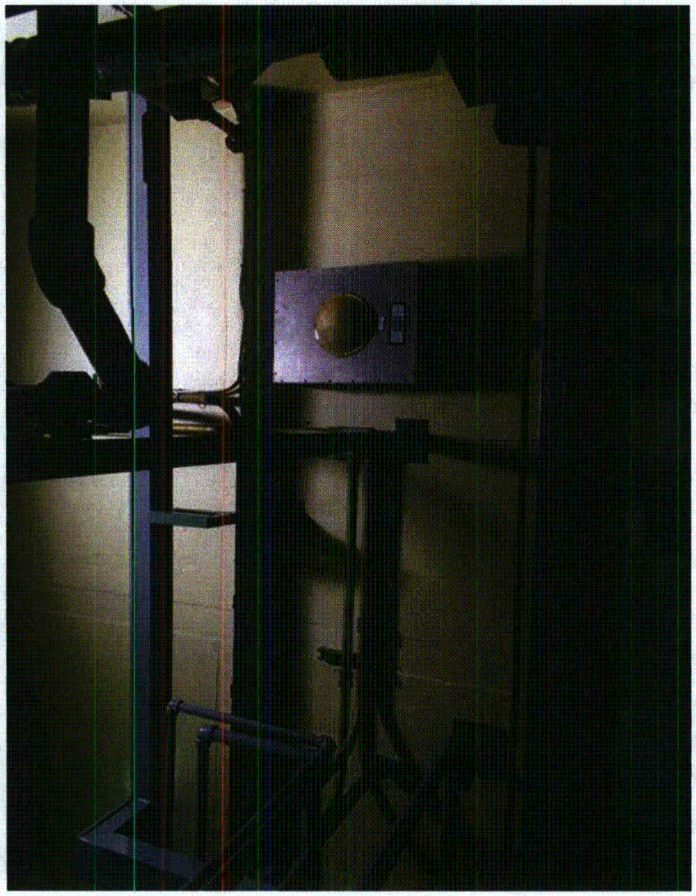




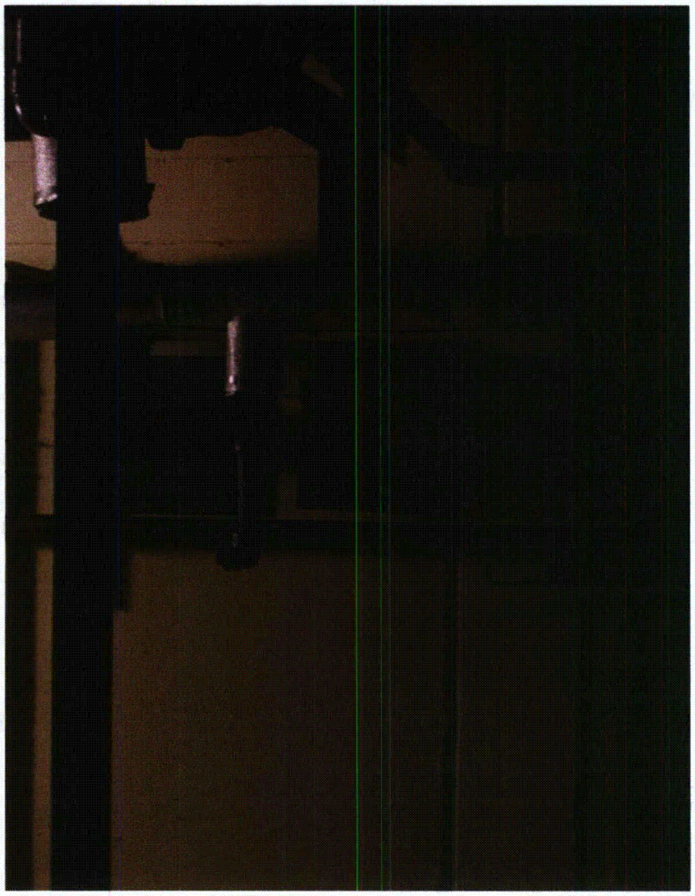








Equipment ID: 3AE055



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AE56 Equip. Class[12] (10) Air Handlers

Equipment Description *HPCI Room Cooling Coil A*

Location: Bldg. *Reactor* Floor El. ~~91~~ 88' KG 11/8/12 Room, Area *R3-13*

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 does not match Dwg. # S-977, Rev. 1, but as-built configuration was evaluated in calculation No. PS-0922, Rev. 0 and judged acceptable

CONFIGURATION MANAGEMENT ISSUE ADDRESSED IN IR # 1411581 KG 10/9/12 + 10/18/12

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. 3AE56 Equip. Class[12] (10) Air Handlers

Equipment Description *HPCI Room Cooling Coil A*

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☐

· Large bore valve overhead supported on operator by vertical spring-can suspension rod

· Suspended light nearby judged credible but not significant threat

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☐

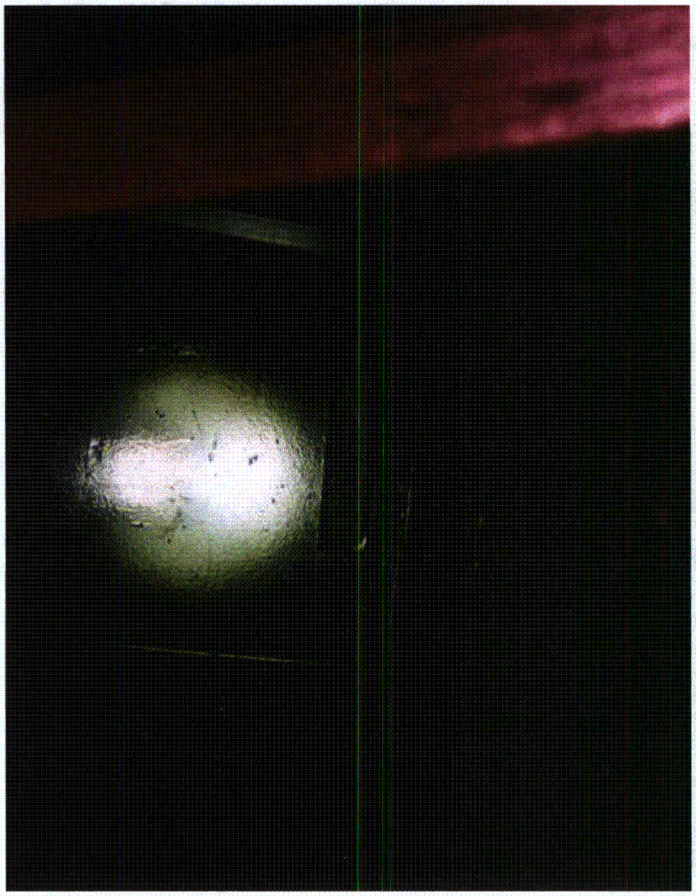
Comments (Additional pages may be added as necessary)

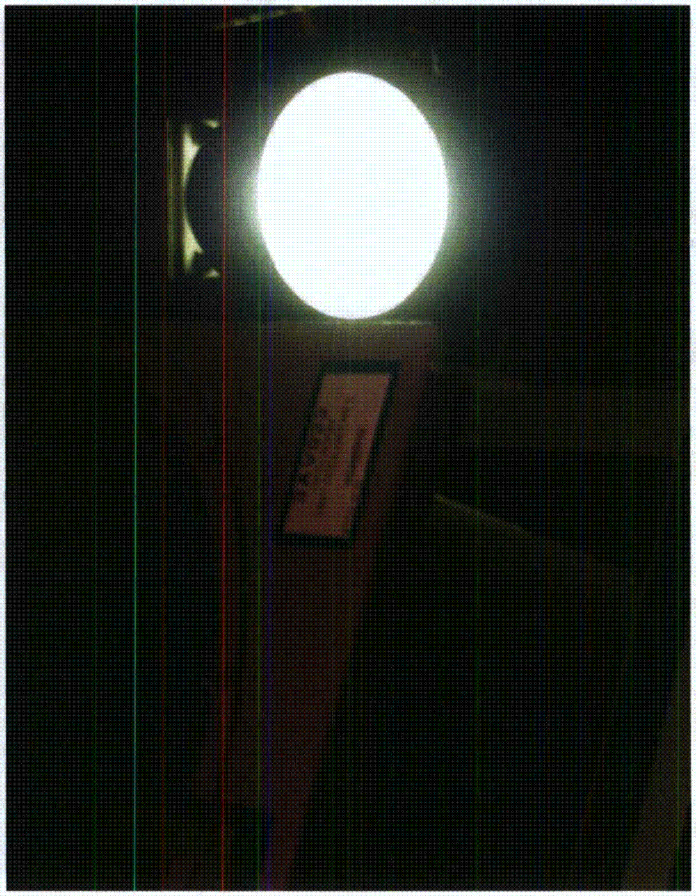
N/A

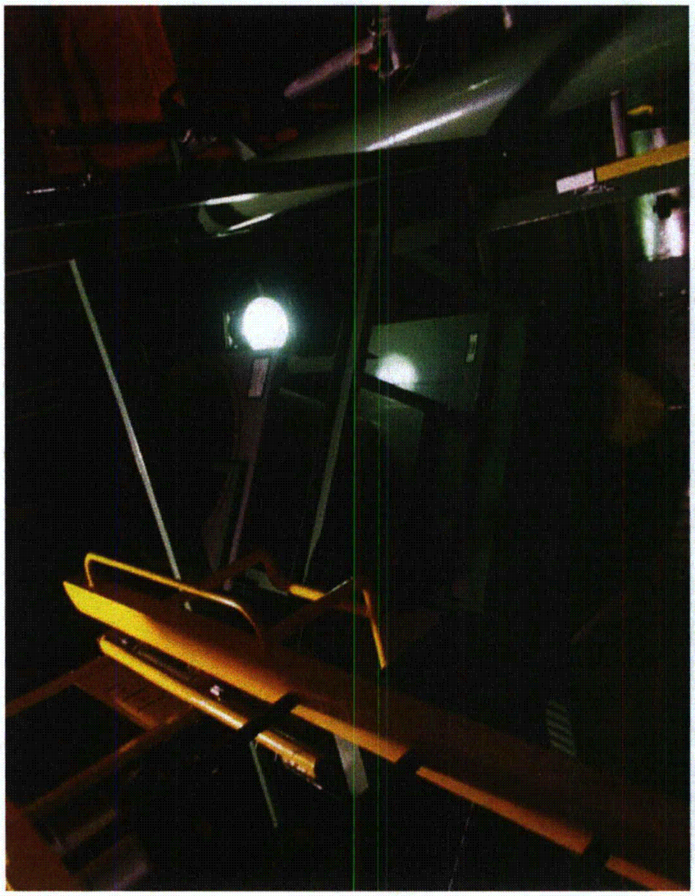
Evaluated by: James Wiggin Date: 9/11/2012

[signature] 9/11/2012

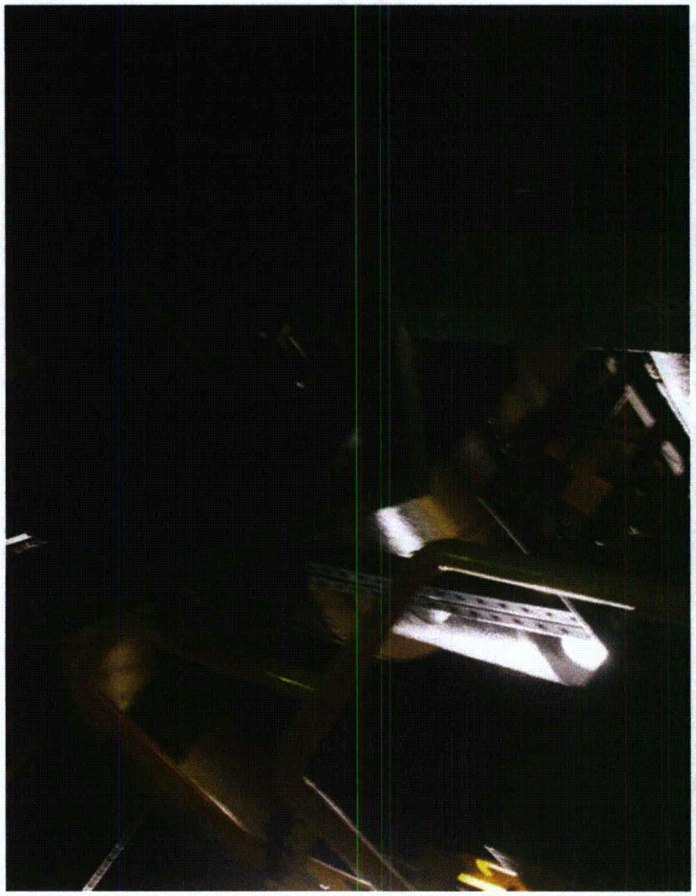
Equipment ID: 3AE056

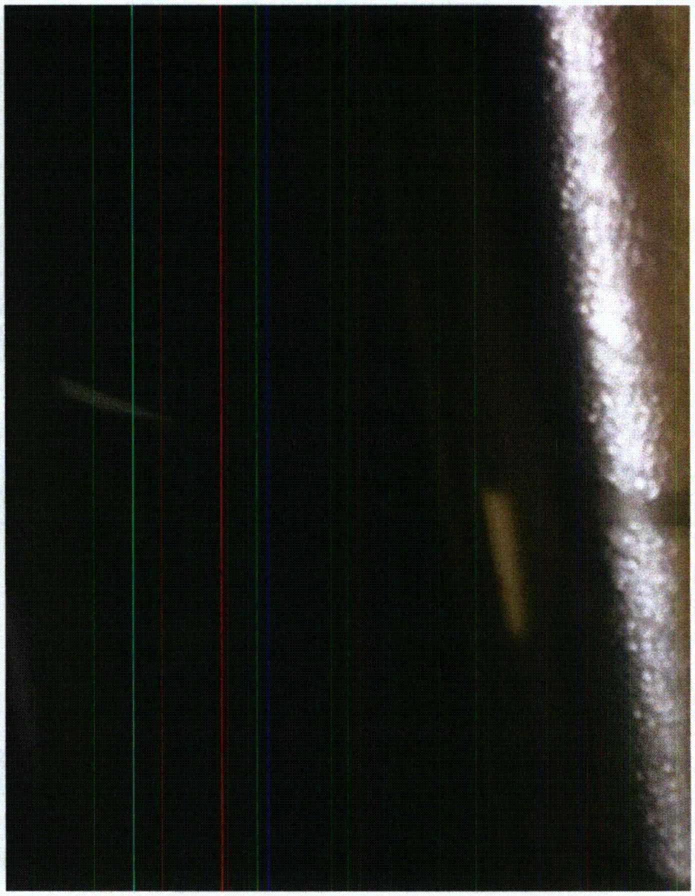






Equipment ID: 3AE056





Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AE57 Equip. Class[12] (10) Air Handlers

Equipment Description *Core Spray Room A Cooling Coil A*

Location: Bldg. *Reactor* Floor El. *91* Room, Area *R3-9*

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 DOES NOT MATCH DWG S-973, REV. 0 BUT AS-BUILT CONFIGURATION WAS EVALUATED IN CALCULATION PS-0922, REV. 0 AND JUDGED ACCEPTABLE. SEE COMMENTS KC 10/9/

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. 3AE57 Equip. Class[12] (10) Air Handlers

Equipment Description *Core Spray Room A Cooling Coil A*

Interaction Effects

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

~~No soft targets~~ gAW 9/11/2012

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☐

- Insulated pipe ~~touching~~ near support frame judged credible but not significant interaction gAW 9/11/2012

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☐

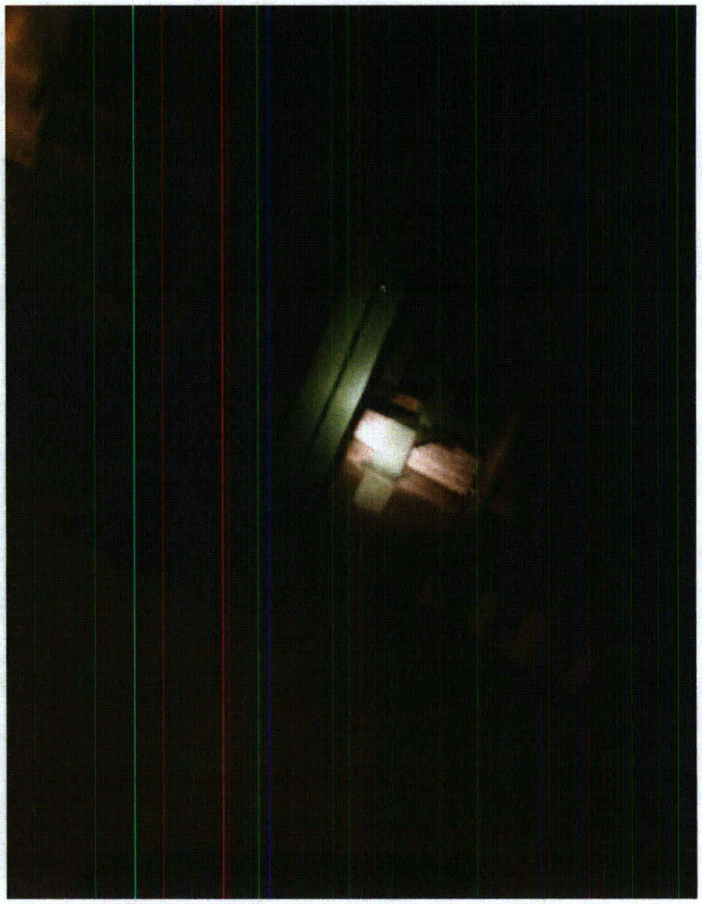
Comments (Additional pages may be added as necessary)

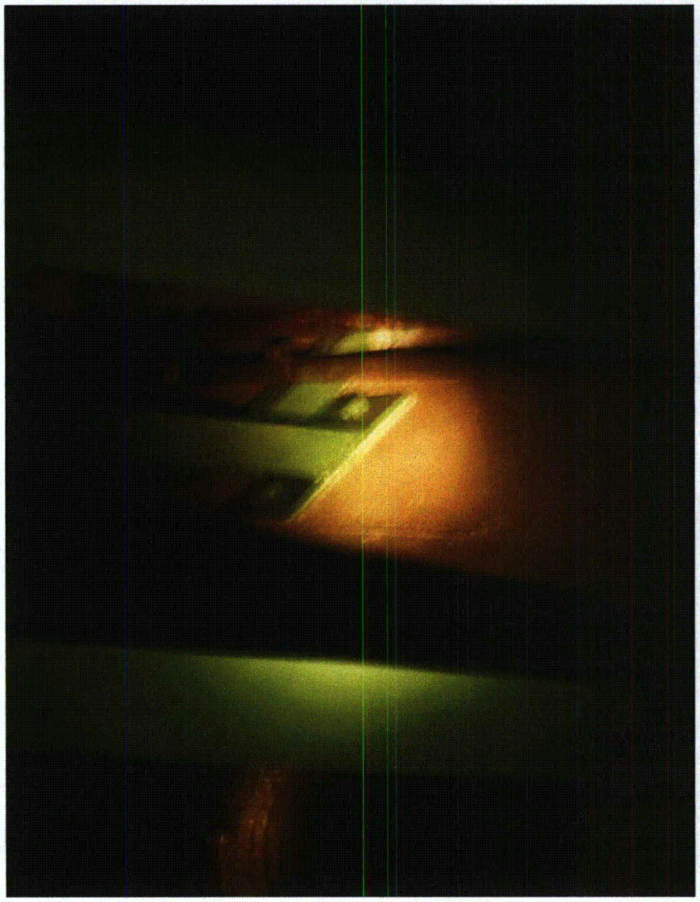
N/A CONFIGURATION ~~CONT~~ MANAGEMENT ISSUE ADDRESSED IN IR # 1411581. KG 10/9/12 + 10/15/12

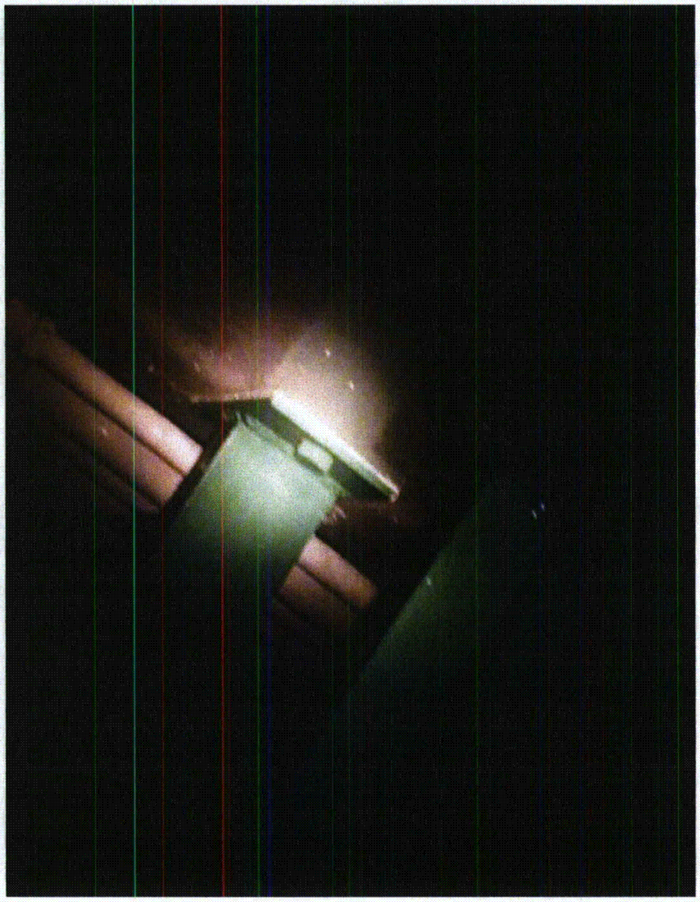
Evaluated by: James Wiggins Date: 9/11/2012

KG 9/11/2012

Equipment ID: 3AE57







Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AP035 Equip. Class[12] (06) Vertical Pumps

Equipment Description *RHR Pump A*

Location: Bldg. *Reactor* Floor El. *91* Room, Area *R3-5*

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☐

   Anchorage verified per Dwg. 6280-S-1150, Rev. 0.
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☐

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

Equipment ID No. 3AP035 Equip. Class[12] (06) Vertical Pumps

Equipment Description *RHR Pump A*

Interaction Effects

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

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

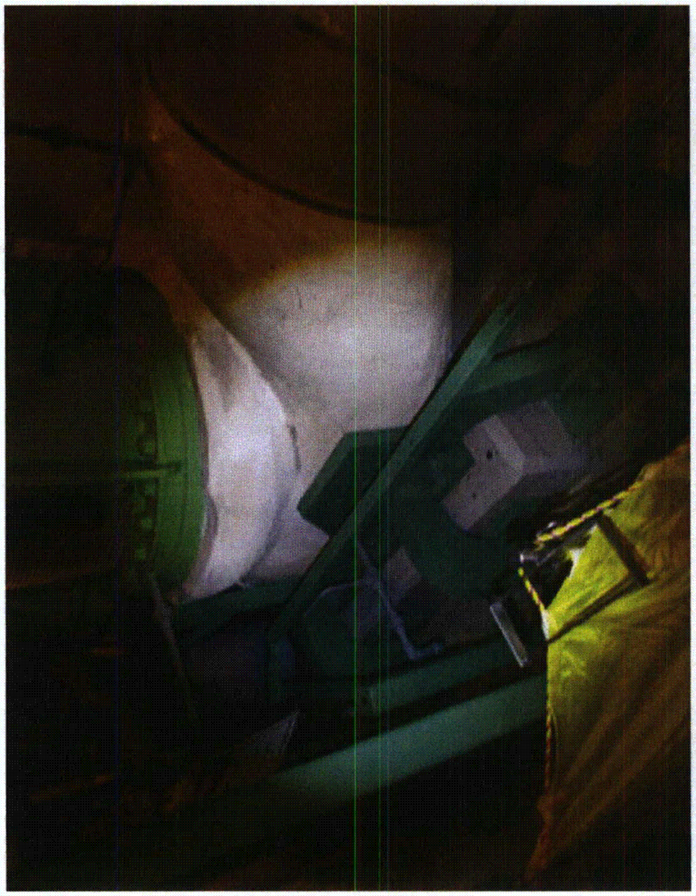
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☑ N☐ U☐

Comments (Additional pages may be added as necessary)

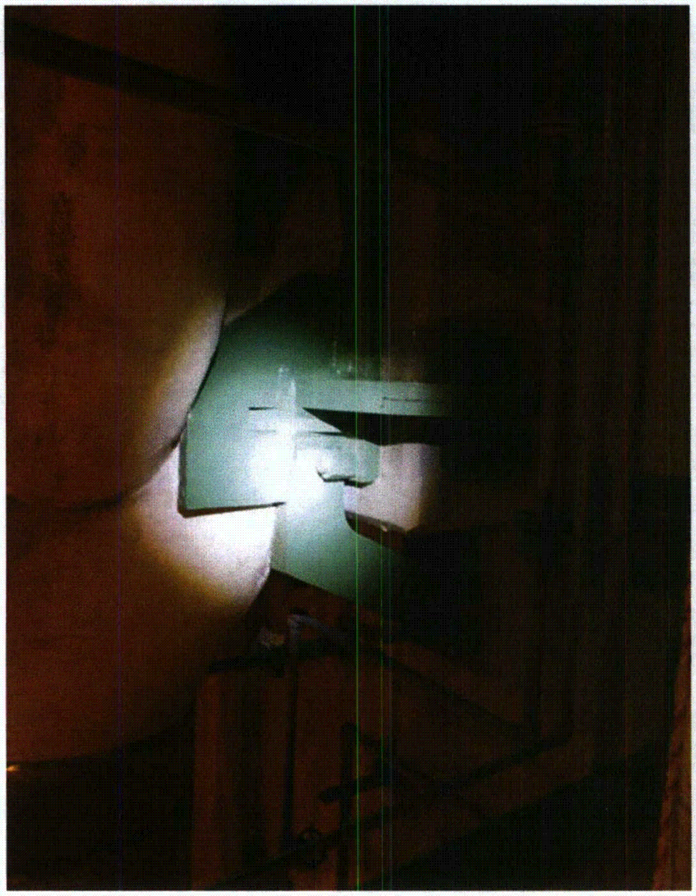
Evaluated by: [signature] Date: 9/11/12

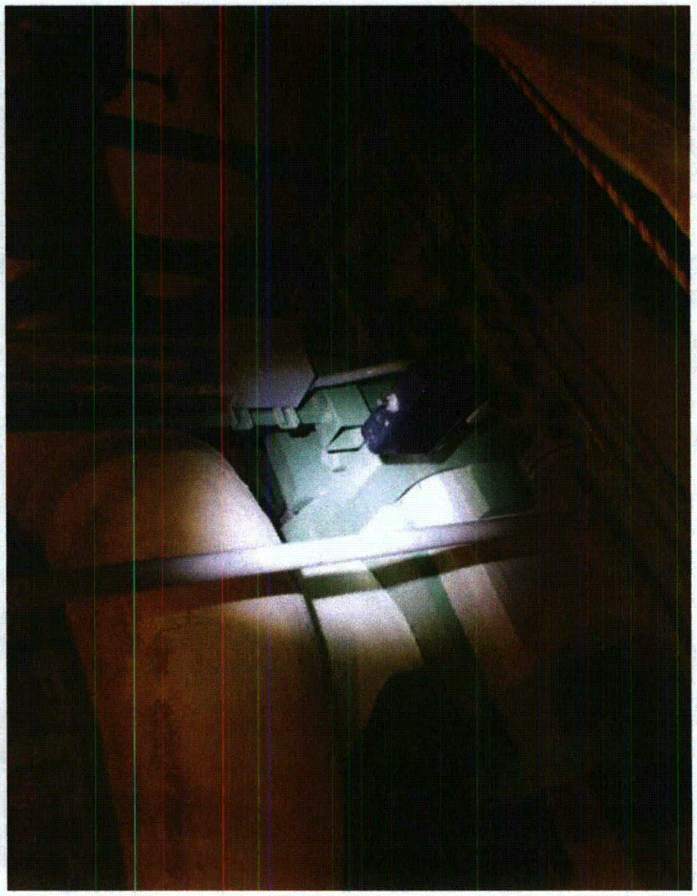
[signature] 9/11/12

Equipment ID: 3AP035



Equipment ID: 3AP035





Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AP037 Equip. Class[12] (06) Vertical Pumps

Equipment Description *Core Spray Pump A*

Location: Bldg. *Reactor* Floor El. ~~88~~ 91 ICC 11/8/12 Room, Area *R3-9*

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. #s M-3403, Rev. 1 and M-1-K-35-5 (Rev. 5)

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. 3AP037 Equip. Class[12] (06) Vertical Pumps

Equipment Description *Core Spray Pump A*

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☐

   · Chain for hand valve HV-3-14-39037 judged credible but not significant threat

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

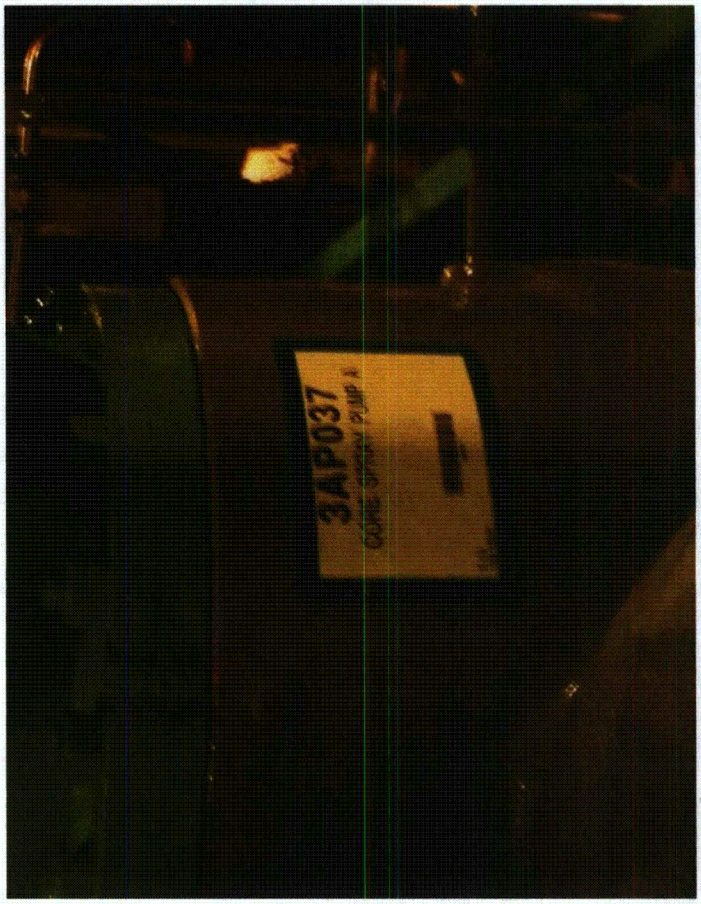
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

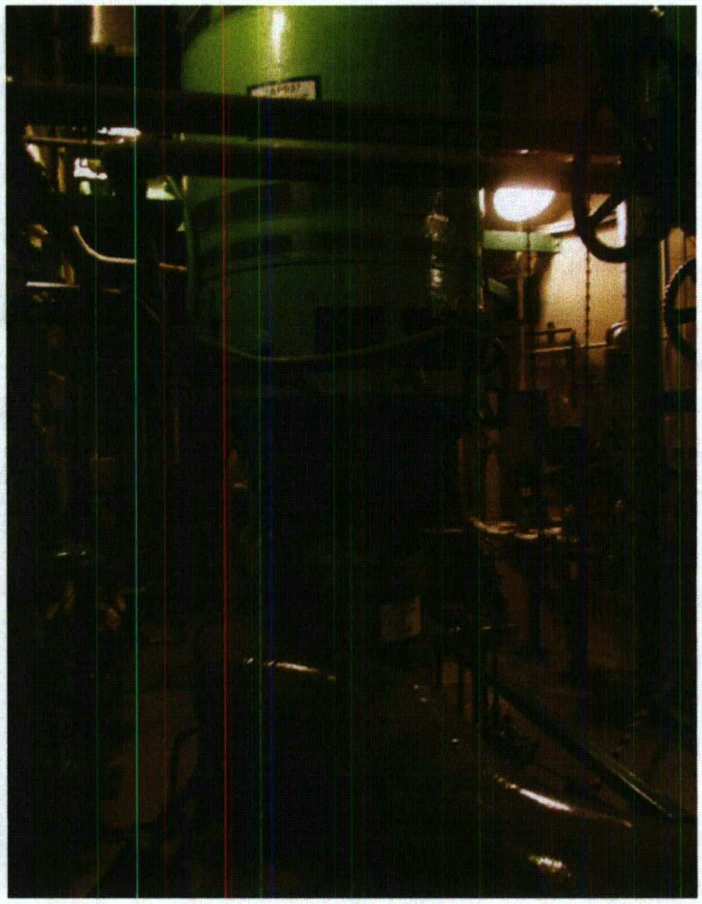
Comments (Additional pages may be added as necessary)

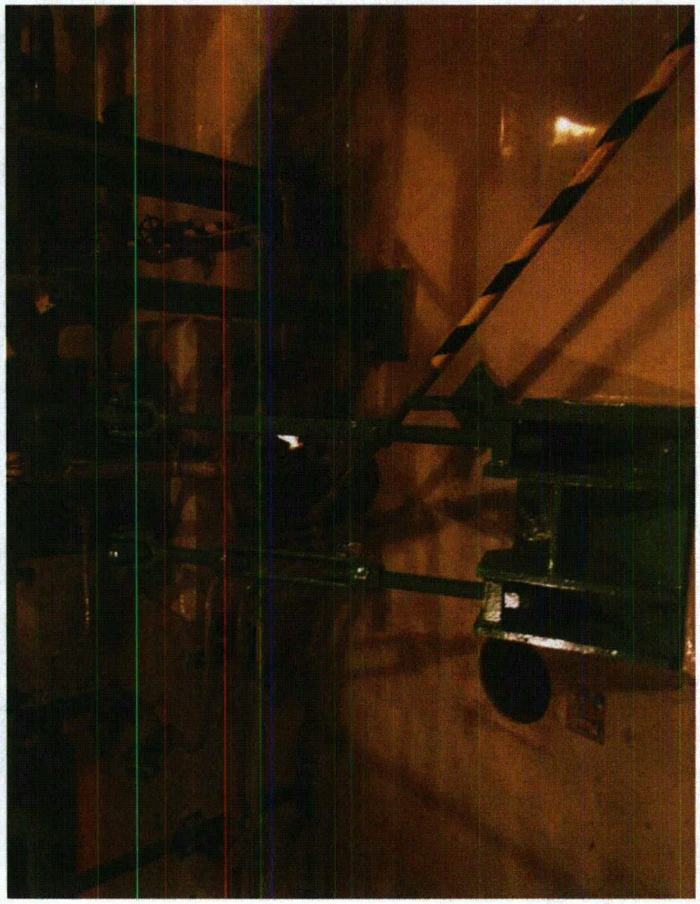
N/A

Evaluated by: James Wiggin Date: 9/10/2012

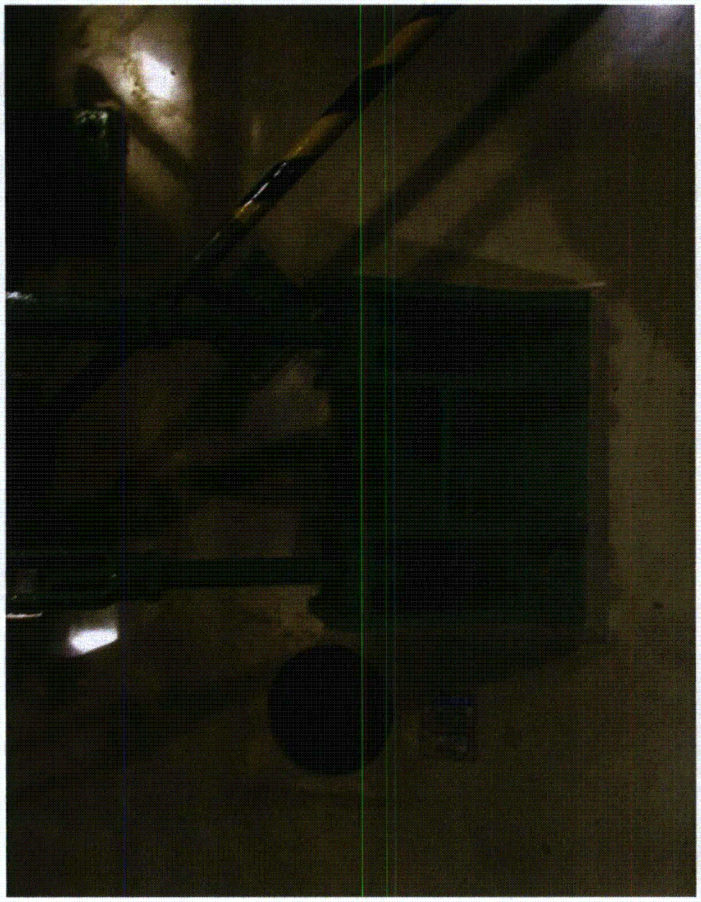
[signature] 9/10/2012

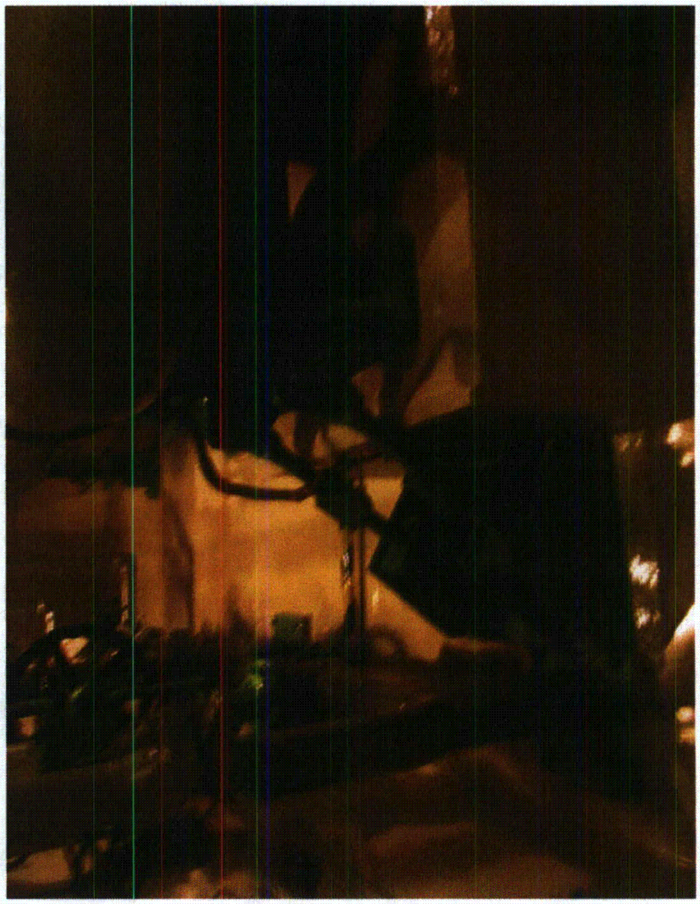

3AP037
CORE SPRAY PUMP A

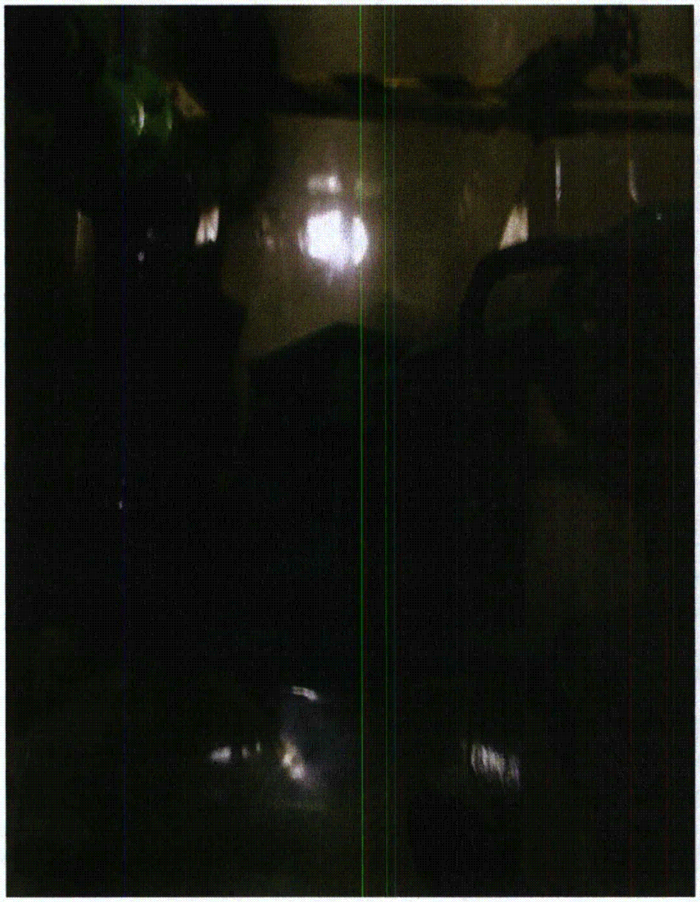


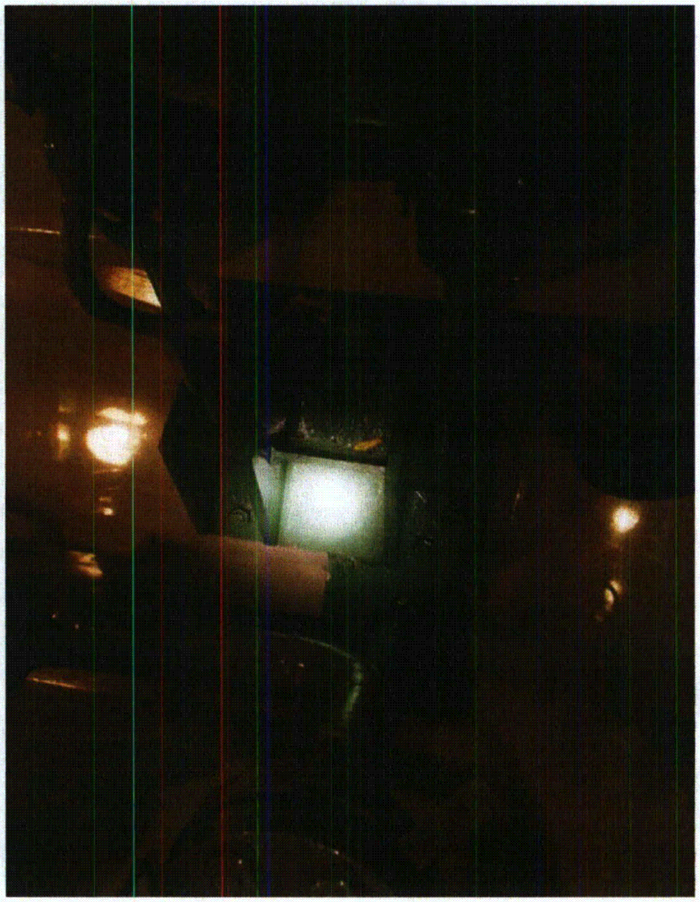


Equipment ID: 3AP037

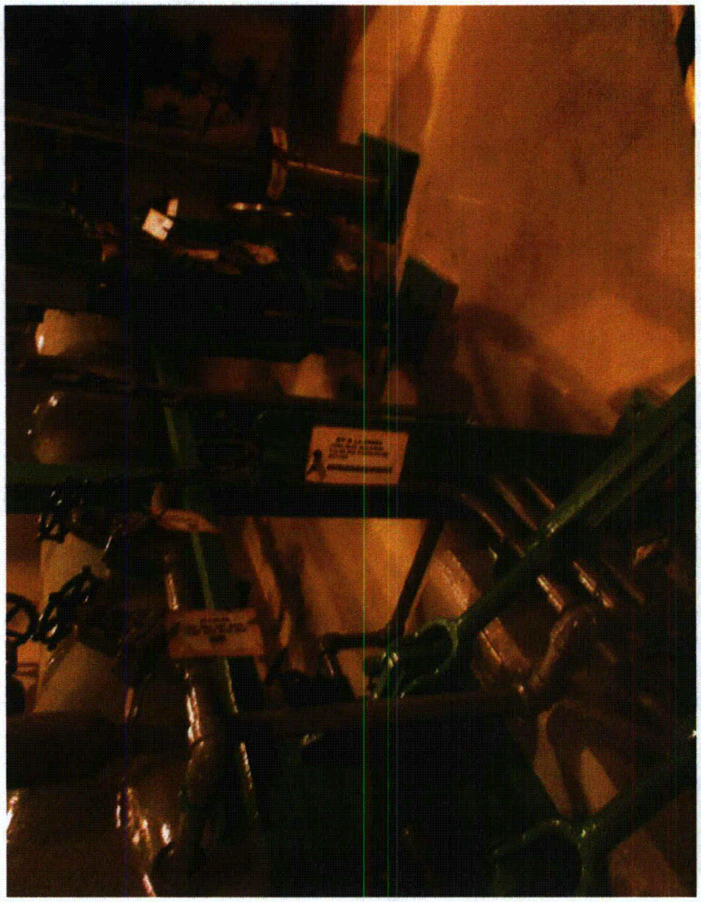


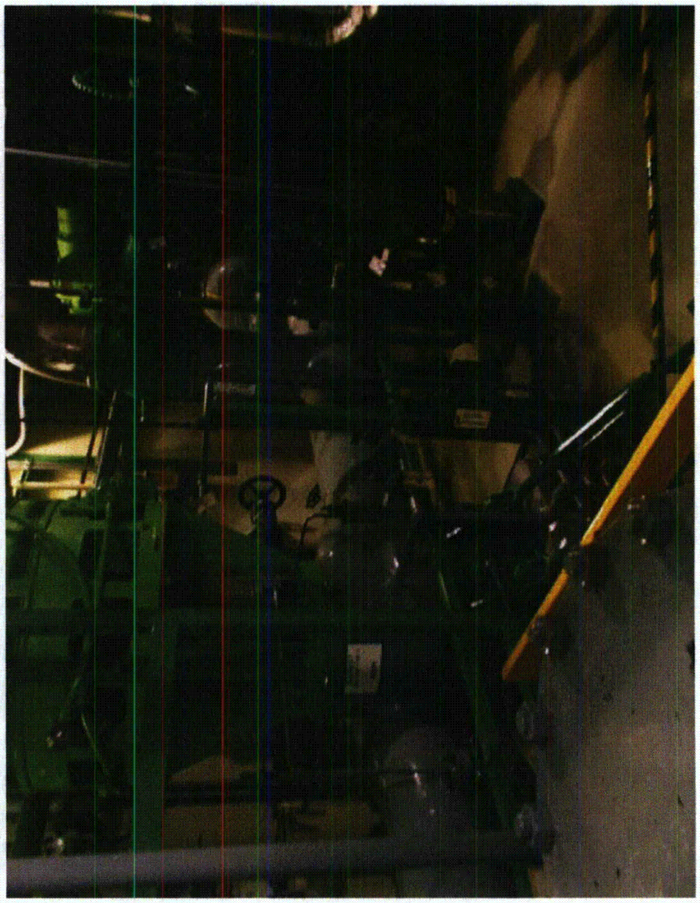


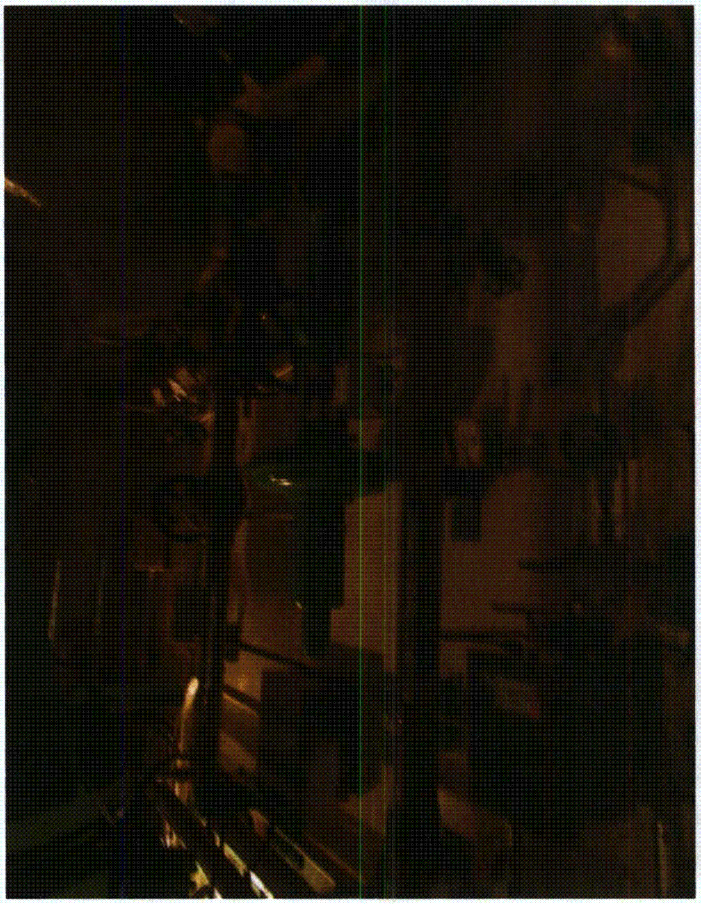


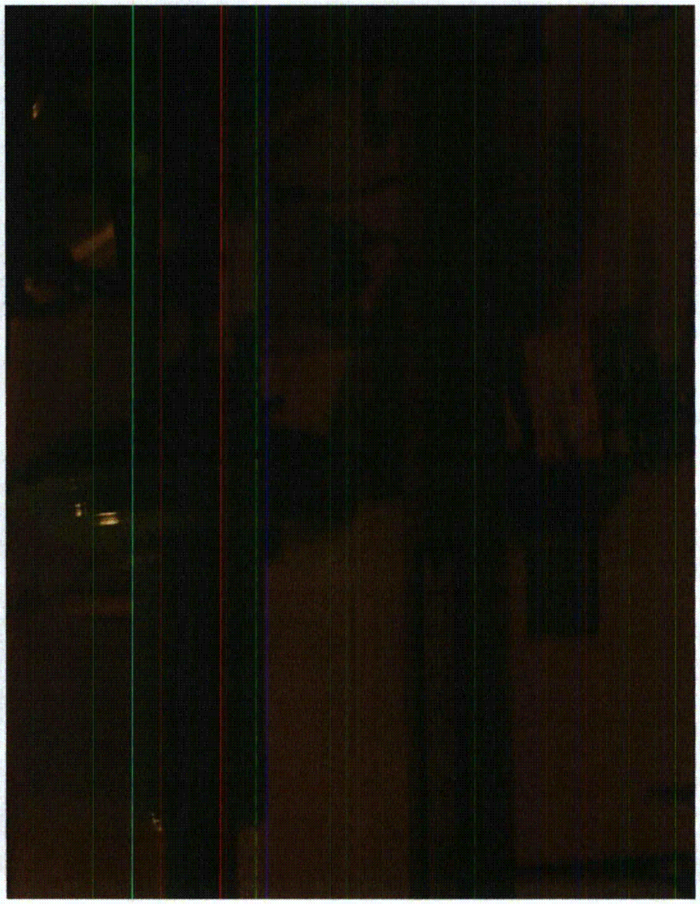


Equipment ID: 3AP037

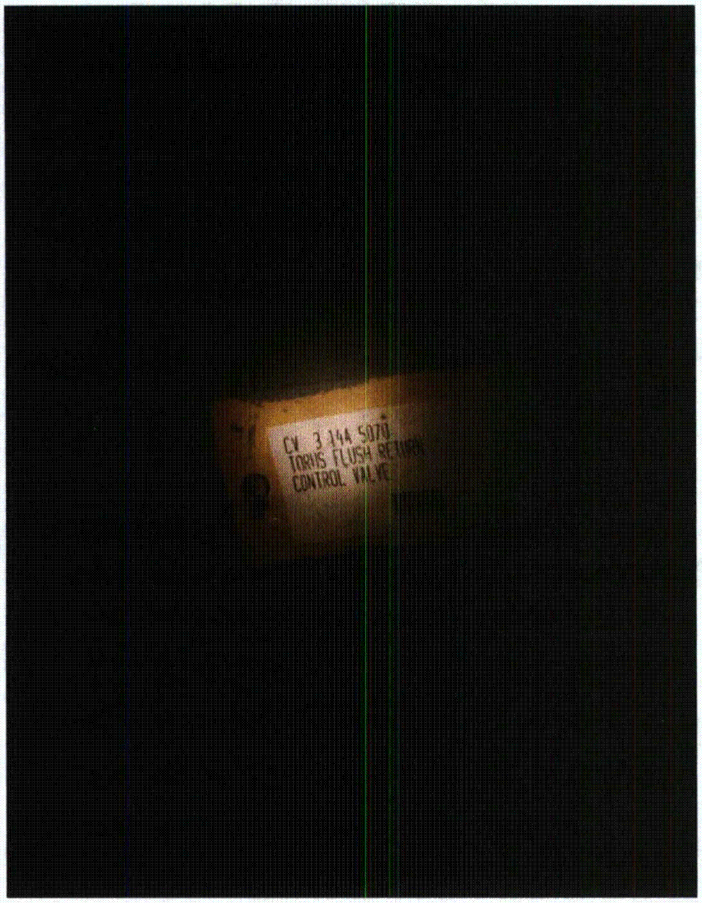








Equipment ID: 3AP037



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3AV083 Equip. Class[12] (09) Fans

Equipment Description *HPSW Pump Room Exhaust Fan*

Location: Bldg. *Pump Structure* Floor El. *112* Room, Area *P/H-9*

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☐
   · Mounted to structural steel

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. # M-473, Rev. 13

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. 3AV083 Equip. Class[12] (09) Fans

Equipment Description *HPSW Pump Room Exhaust Fan*

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 overheads

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

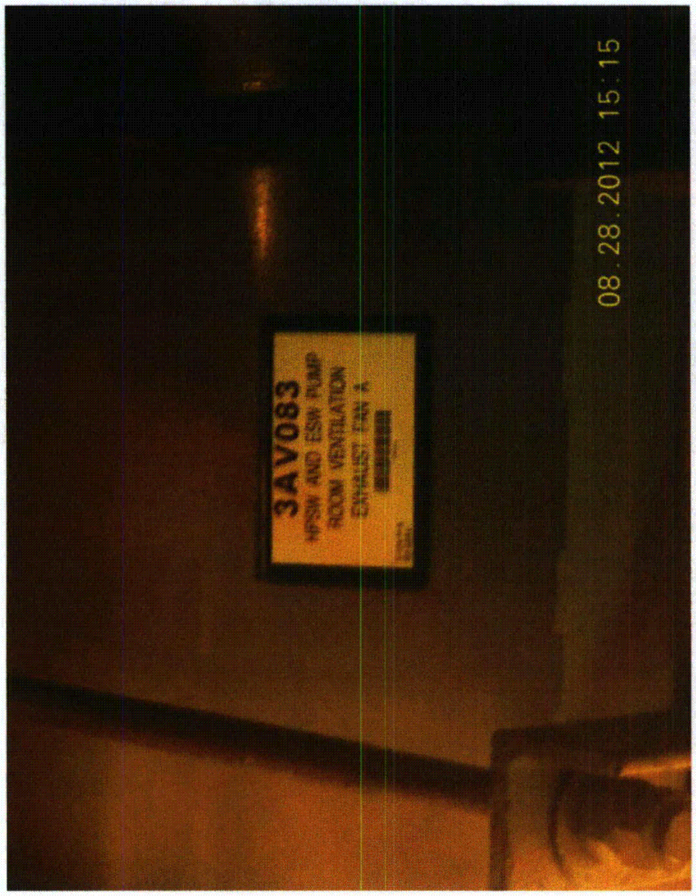
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

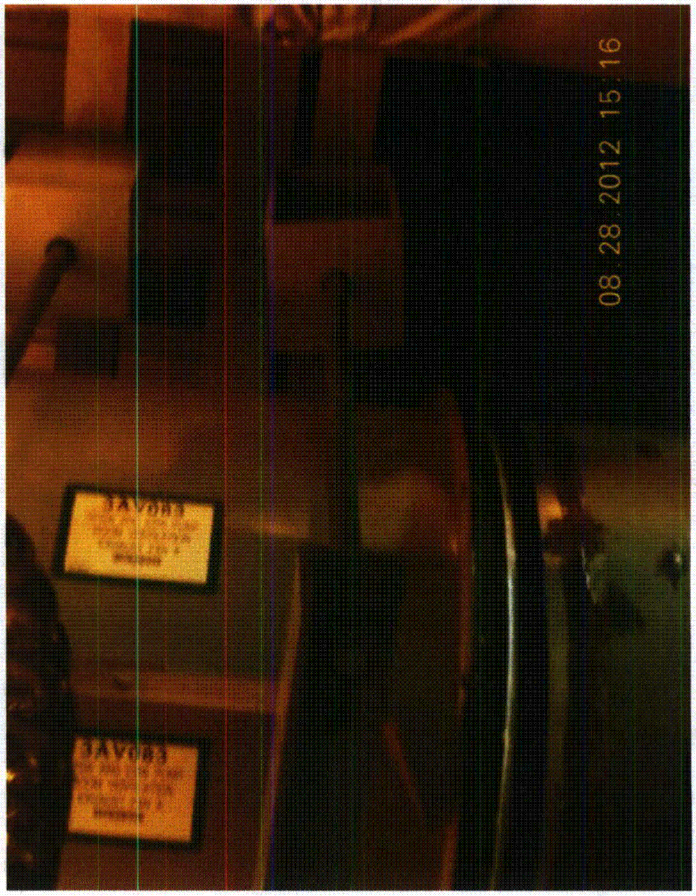
Comments (Additional pages may be added as necessary)

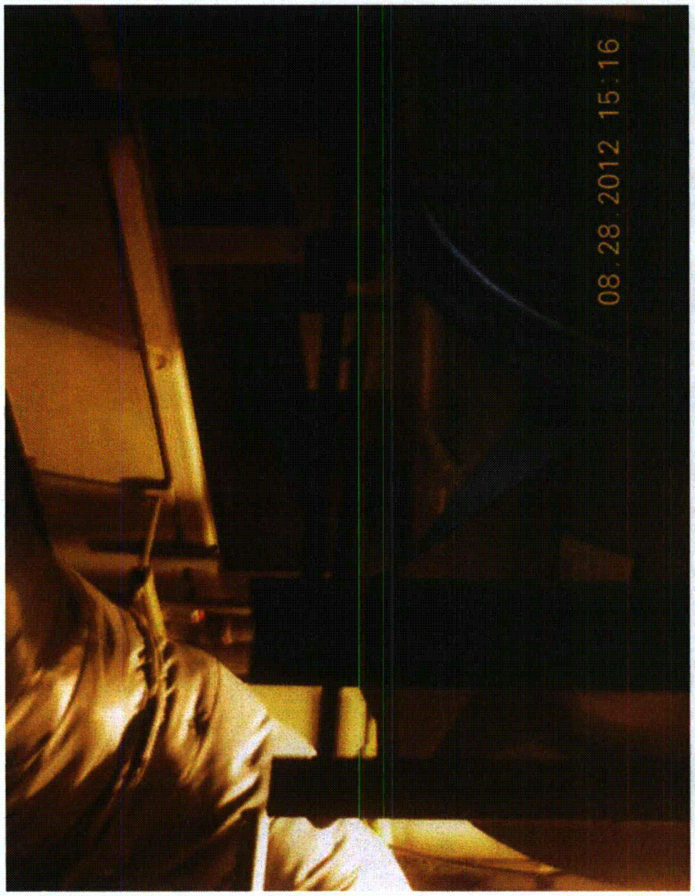
N/A

Evaluated by: James Wiggins Date: 8/29/2012

[signature] 8/29/2012


3AV083
HPSW AND ESW PUMP
ROOM VENTILATION
EXHAUST FAN A
08.28.2012 15:15


08.28.2012 15:16


08.28.2012 15:16


08.28.2012 15:16

Status: (Y) N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3BC27~~2~~ 0 BMF 8/21/12 Equip. Class[12] (20) Control Panels & Cabinets

Equipment Description ~~HPCI~~ B Steam Leak ~~Detection~~ Monitor MO 10/23/12 Cabinet

Location: Bldg. *Turbine* Floor El. *165* Room, Area *T3-100*

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☐

   Mounted with 3 channels to back wall. No floor mounting

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☐

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

Equipment ID No. 3BC27~~2~~ 0 EMF 9/13/12 Equip. Class[12] (20) Control Panels & Cabinets

Equipment Description ~~HPCI~~ *Steam* B *Leak* ~~*Detection*~~ Monitor *Cabinet* CMO 10/23/12

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☐
   2'x3' ceiling tiles. No credible damage from falling ceiling tiles

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

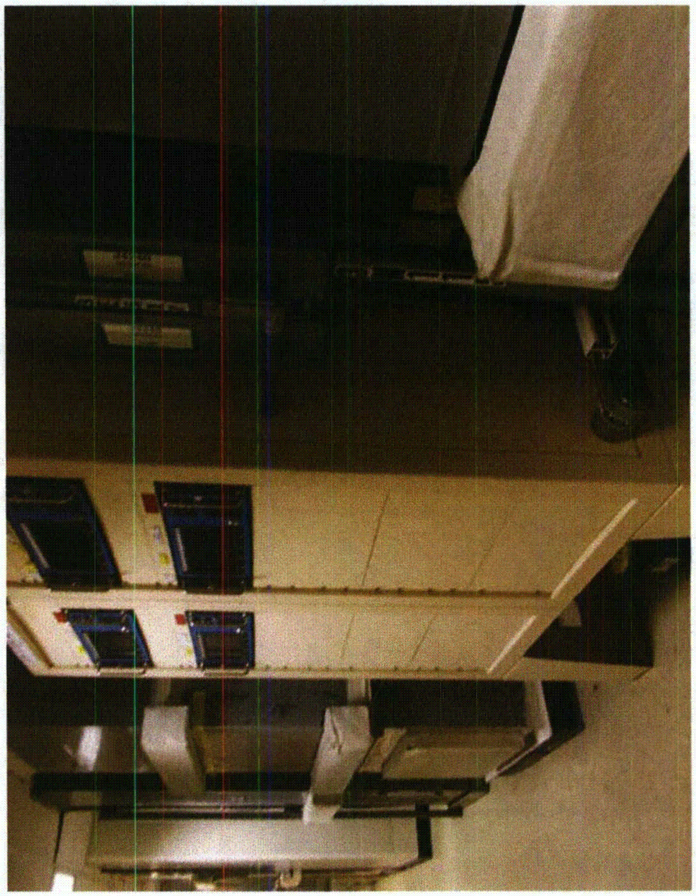
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

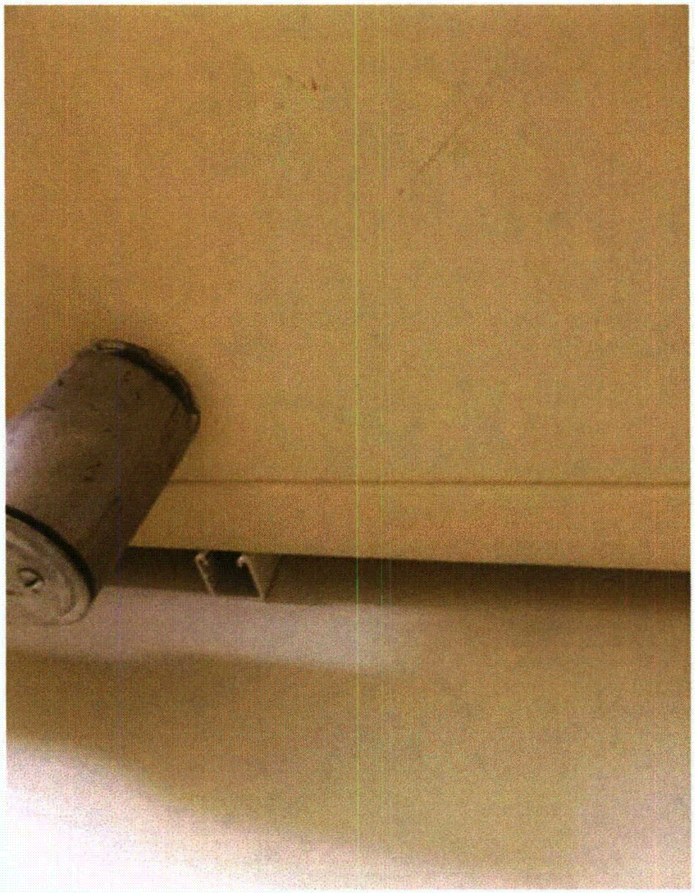
Comments (Additional pages may be added as necessary)

Evaluated by: Ben Fry Date: 9/25/12

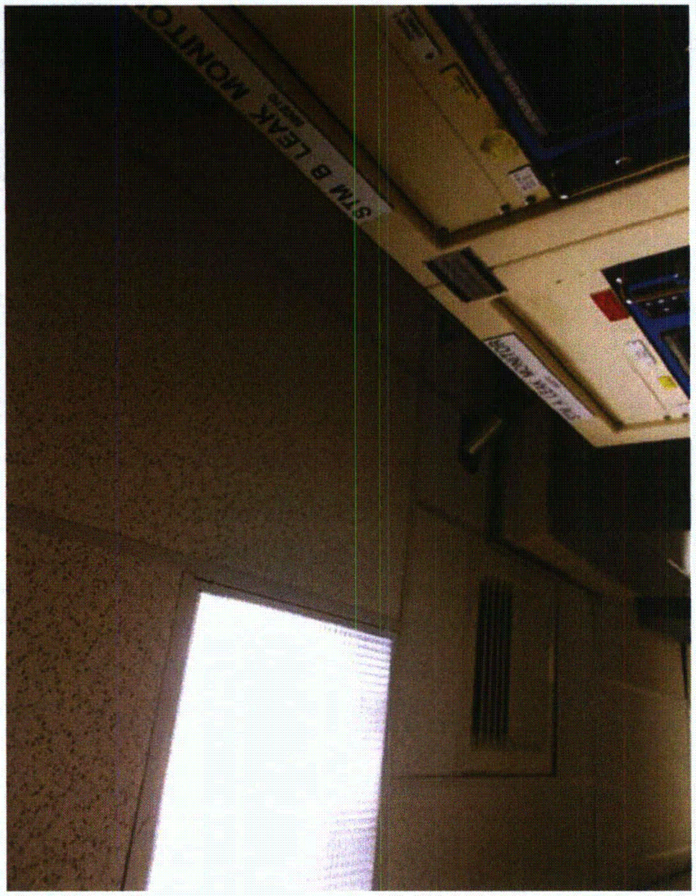
M. Ozbacir 9/25/12


STM B LEAK MONITOR
3BC270
30113
J4237





Equipment ID: 3BC270



Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. 3BD65 Equip. Class[12] (18) Instruments on Racks / Not on Racks

Equipment Description *RPS Instrument Rack* B

Location: Bldg. *Reactor* Floor El. *135* Room, Area *R3-29*

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☐

   Interior supports are anchored to floor ~~(unlike U2)~~ BMF 10/15/12

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☐

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

Equipment ID No. 3BC65 ~~C~~ 0 Equip. Class[12] (18) Instruments on Racks / Not on Racks

Equipment Description *RPS Instrument Rack* B

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☐

No II/I concerns. Overhead fixtures secure.

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

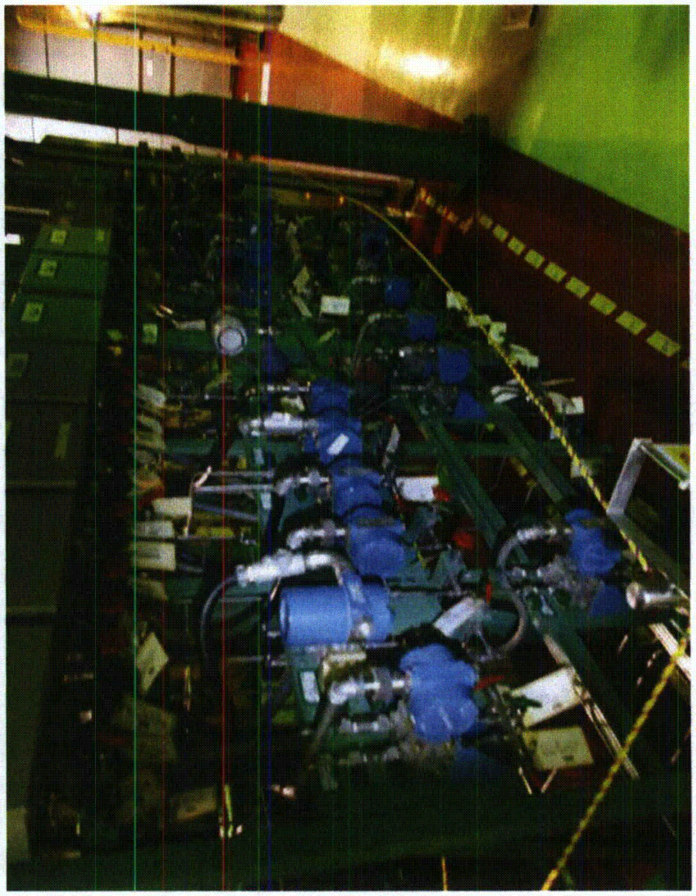
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

Evaluated by: [signature] Date: 9/25/12

[signature] 9/25/12

Equipment ID: 3BC065



Equipment ID: 3BC065