

**Seismic Walkdown Checklist (SWC)**

TS-20224-02 *1/25/12*  
 Equipment ID No. ~~TS-20224-02~~ Equip. Class<sup>12</sup> (19) *temperature sensors*  
 Equipment Description *HPSW ESW Pump Room*  
 Location: Bldg. *PH* Floor El. *112* Room, Area *PH-6*  
 Manufacturer, Model, Etc. (optional but recommended)

**Instructions for Completing Checklist**

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**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 is 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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. TS-20224-02 Equip. Class<sup>12</sup> (19) Temperature Sensors  
Equipment Description HPS Wa ESW Pump House TS

**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 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

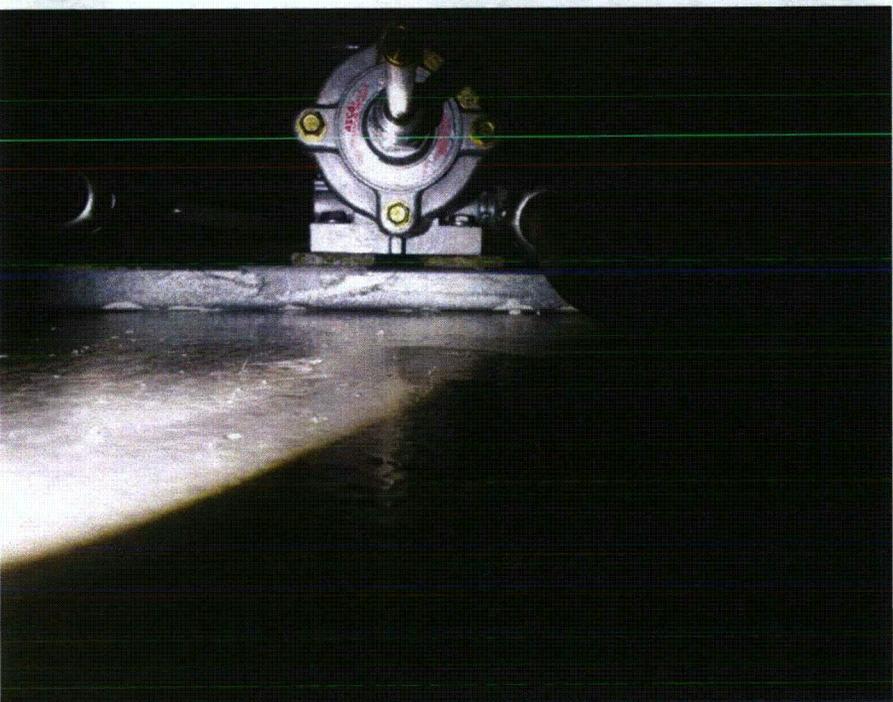
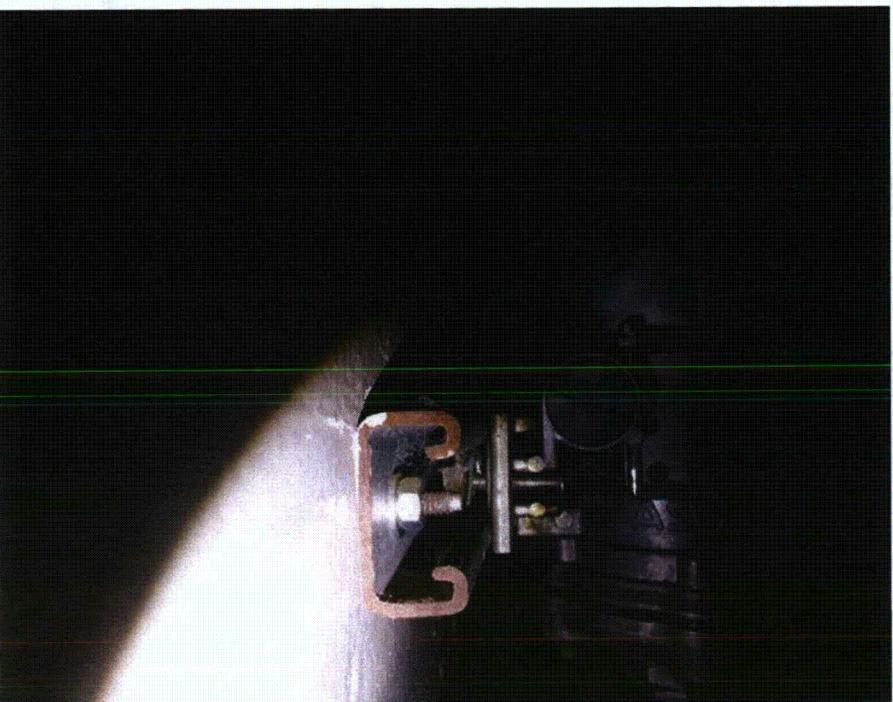
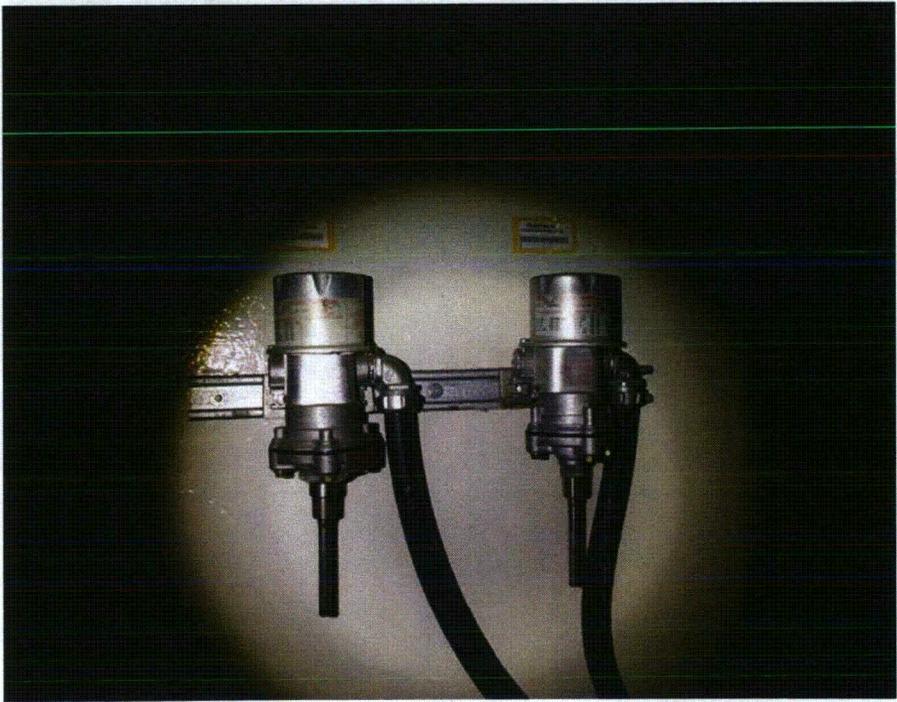
**Other Adverse Conditions**

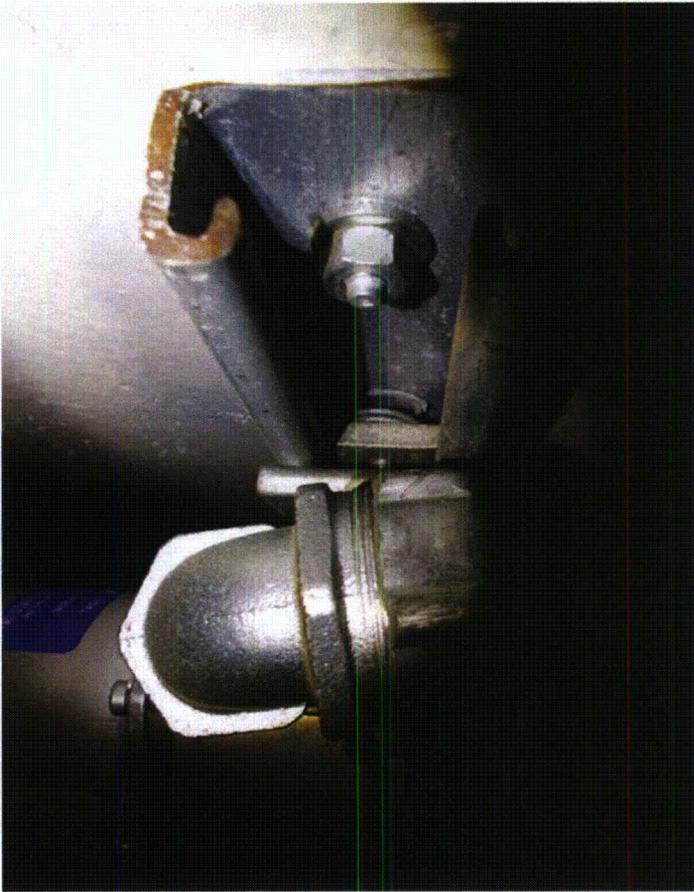
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

*Adjacent scaffolding is secure.*

**Comments** (Additional pages may be added as necessary)

Evaluated by: *Ben Fry* Date: *9/25/12*  
*Craig B...* *10/8/12*





**Table C-2. Unit 0 Seismic Walkdown Checklists (SWCs)**

<b>Component ID</b>	<b>Description</b>	<b>Anchor Configuration Confirmed?</b>	<b>AWC-Ux-YY</b>
00B061	Pump Structure MCC E224-P-A	N	U0-13
00C29B	Emergency Protection Relay Board	Y	U0-6
0AC097	Diesel Generator OAG12 Control Panel	Y	U0-2*
0AG012	E1 Standby Diesel Generator	Y	U0-2*
0AP060	E1 D/G Fuel Oil Transfer Pump	N	U0-2
0AP163	Emergency Service Water Booster Pump A	N	U0-1*
0AT040	E1 Diesel Generator Fuel Oil Day Tank	Y	U0-2*
0AT096	E1 Diesel Generator Lube Oil Storage Tank	N	U0-2*
0AV030	Control Room Emerg Vent Supply Fan A	Y	U0-8*
0AV036	Battery Room Exhaust Fan A	Y	U0-10
0AV064	D/G Building Vent Supply Fan	Y	U0-9
0BK032	Emergency Cooling Tower Fan B	Y	U0-3
0BP057	Emergency Service Water Pump B	Y	U3-3*
0BV030	Control Room Emergency Ventilation Supply Fan B	Y	U0-8
0BV035	Emergency Switchgear Ventilation Exhaust Fan B	Y	U0-10*
0BV036	Battery Room Exhaust Fan B	Y	U0-10*
0DE377	E4 Diesel Generator Lube Oil Cooler	Y	U0-11
0DG012	E4 Standby Diesel Generator	Y	U0-11*
0DP060	E4 D/G Fuel Oil Transfer Pump	N	U0-11*
0DT40	E4 Diesel Generator Fuel Oil Day Tank	Y	U0-11*
0DV064	D/G Building Vent Supply Fan	Y	U0-12
0HT95	E4 Diesel Generator Starting Air Reservoir	Y	U0-11*
A0-33-0241D	ESW Outlet Block Valve from Diesel Generator E4 Coolers	N	U0-11*
MO-0-33-0498	ESW Return to Discharge Pond	N/A	U0-1
MO-48-0501A	ESW A Inlet to ECT Reservoir	N/A	U0-4
PO-0-40F-00272-01	Master for E1 EDG Building Vent Supply Fan Outside Air Damper	N	U0-9*
PO-0-40F-00272-02	Master for E1 EDG Building Vent Supply Fan Return Air Damper	N	U0-9*
TCV-0-52E-7239A	D/G Jacket Coolant 3-Way Thermostatic Control Valve	N/A	U0-2*
TS-0607D	E4 D/G Jacket Coolant Temperature Sensor	N/A	U0-11*

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. E224-P-A Equip. Class<sup>12</sup> (01) MCCs  
 Equipment Description (00 B61) Pump Structure Motor Control Center  
 Location: Bldg. Pump Structure Floor El. U2 Room, Area U2 HPSW Pump Room P/H-6  
 Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

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**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  
*Mild 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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. E224-P-A Equip. Class<sup>12</sup> (01) MCCs

Equipment Description (00B061) Pump Structure Motor Control Center

**Interaction Effects**

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

*No I/I issues 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

*to be*

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

*Scaffolding + temporary outage related equipment secure*

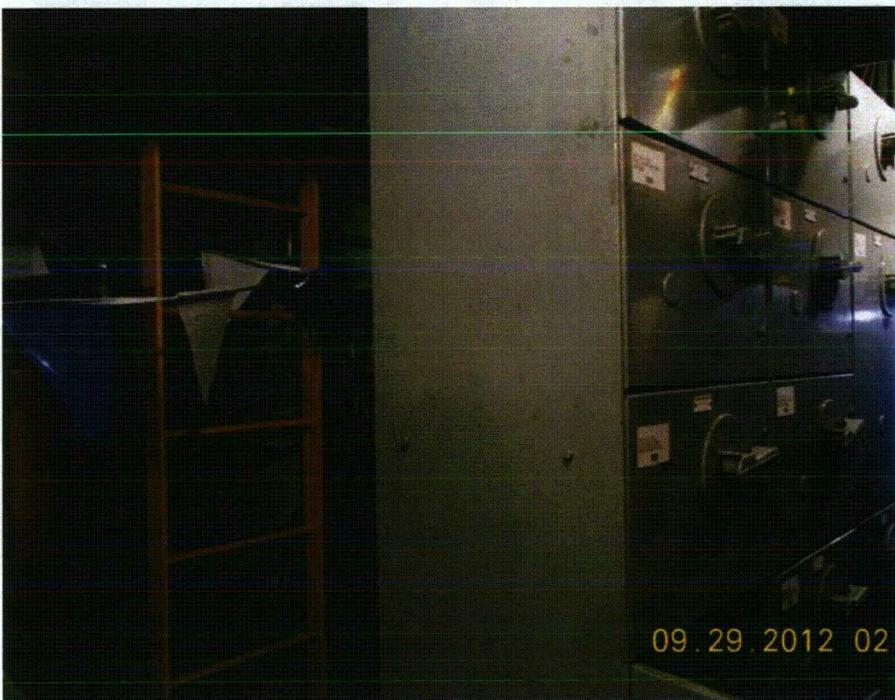
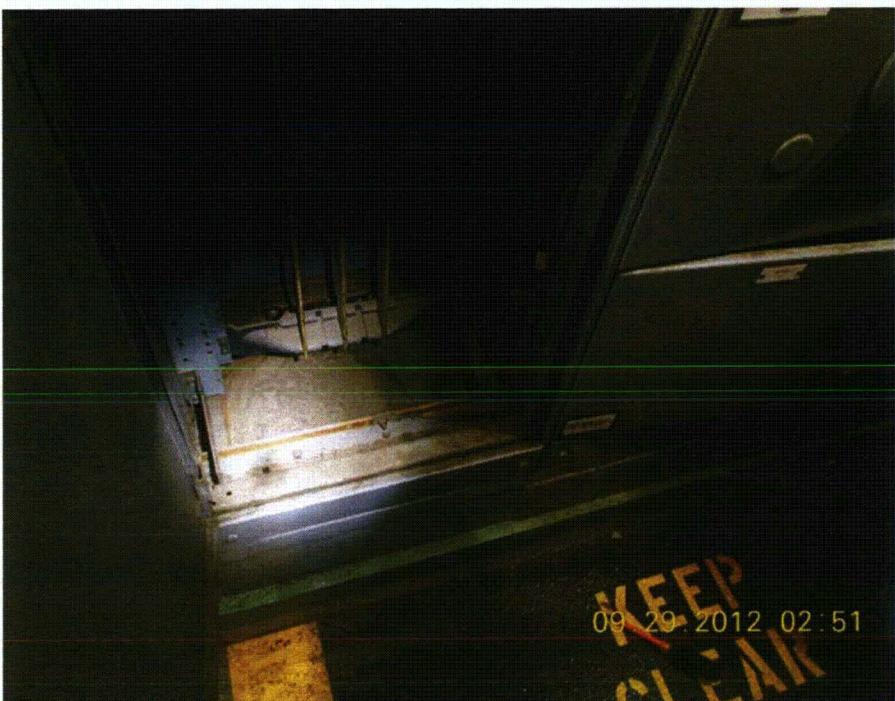
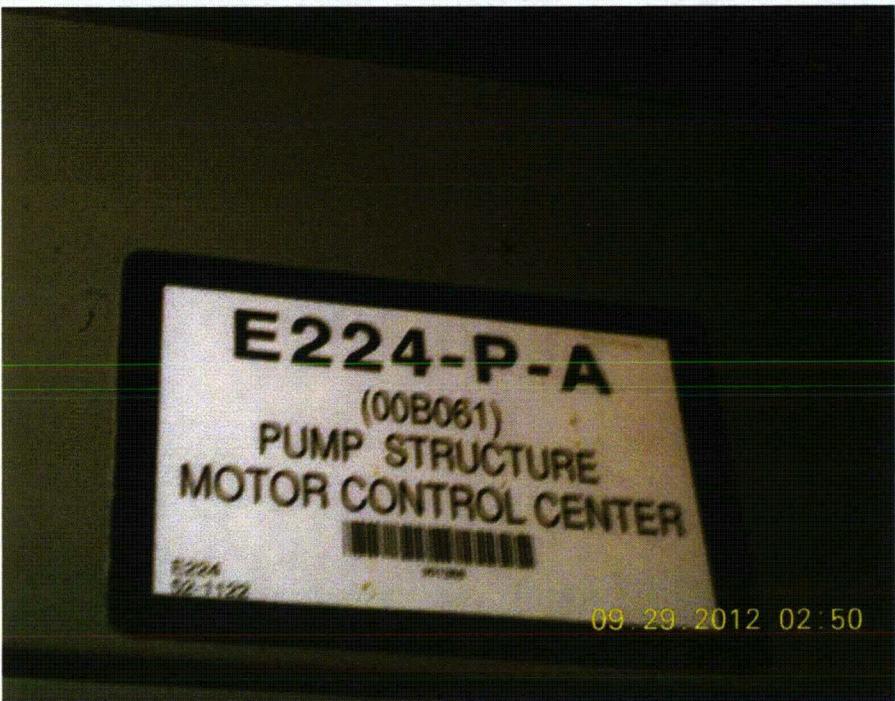
**Other Adverse Conditions**

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: *M. oghbani* Date: 10/4/12

*[Signature]* 10/8/12



Equipment ID: 00B061



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 00C29B Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Emergency Protection Relay Board

Location: Bldg. Turbine Floor El. 165 Room, Area T2-100

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

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**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  U
  
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?  
*embedded channel in concrete. No cracks around embedded channel.*  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.)  
*- Cabinet bolted to adjacent cabinets.*  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  
*- Anchorage confirmed per ~~6880-S~~ <sup>SAC 9/25/12</sup> S-1197 sheet 1 of 3, Rev 0, and sheet 2 of 3, Rev 0.*  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 00C29B Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Emergency Protection Relay Board

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  
*No soft targets outside of panel*
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'x2' ceiling tiles. Damage not credible from falling tiles*
9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A  
*No attached lines*
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

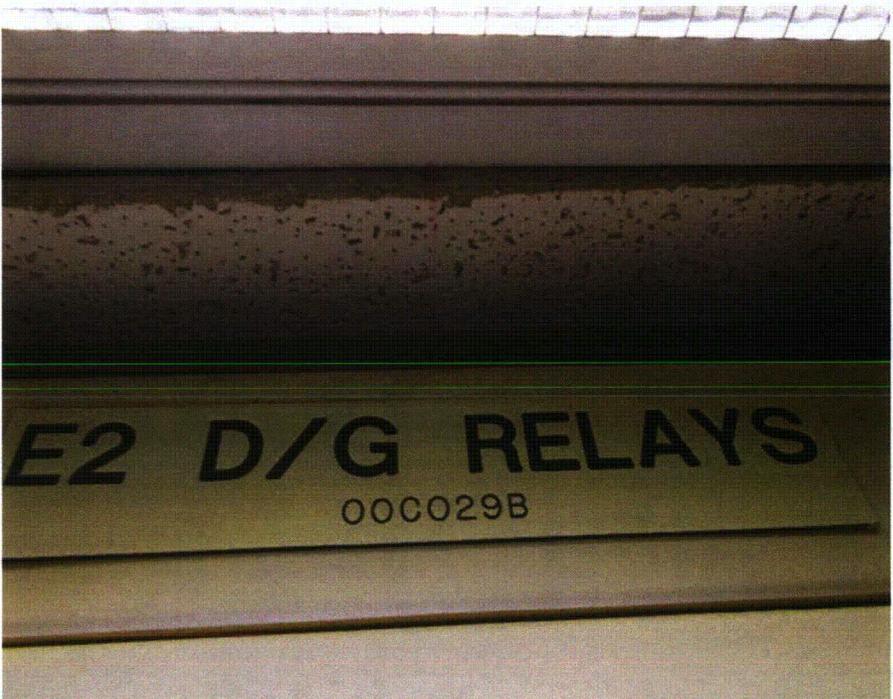
**Other Adverse Conditions**

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

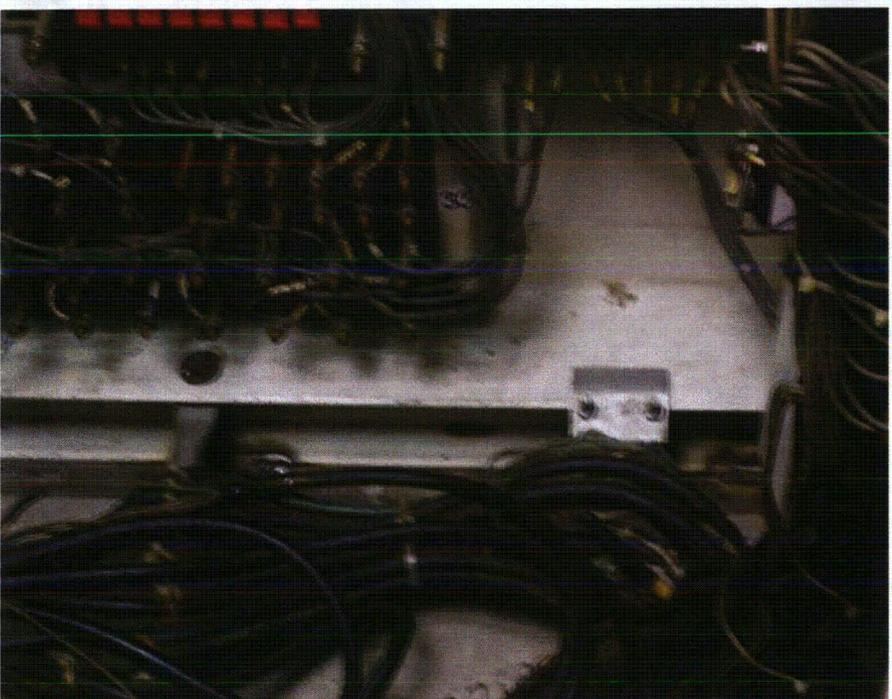
**Comments** (Additional pages may be added as necessary)

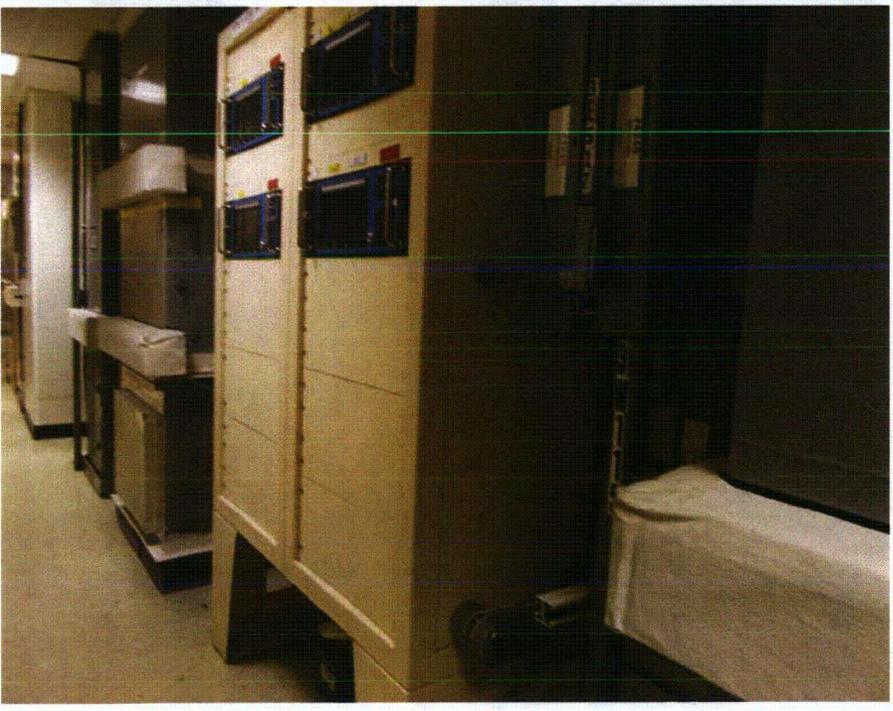
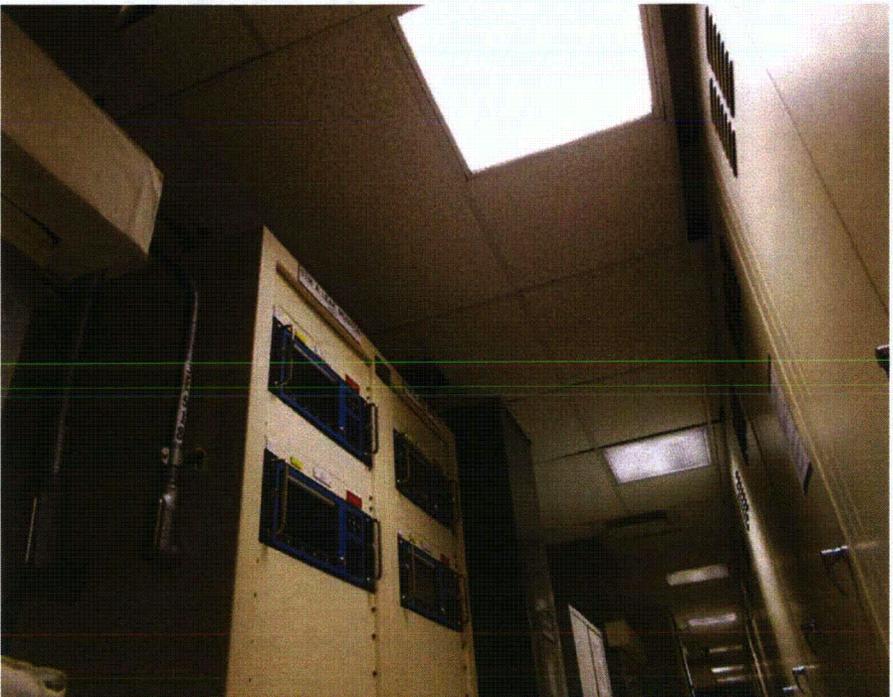
*IPEEE - Items will be removed or restrained (housekeeping).  
 - No housekeeping issues observed.*

Evaluated by: *Ben Fry* Date: *9/25/12*  
*M. Oghbaei* *9/25/12*



Equipment ID: 00C029B





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AC097 Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Diesel Generator OAG12 Control Panel

Location: Bldg. Diesel Generator Building Floor El. 127 Room, Area D/G-3

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

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**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.)  
*Anchorage confirmed to PBABS drawing S-1199 Revision 0.*  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AC097 Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Diesel Generator OAG12 Control Panel

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  
*Component contains soft targets. No potential for impact from nearby 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  
*No seismic 2/1 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

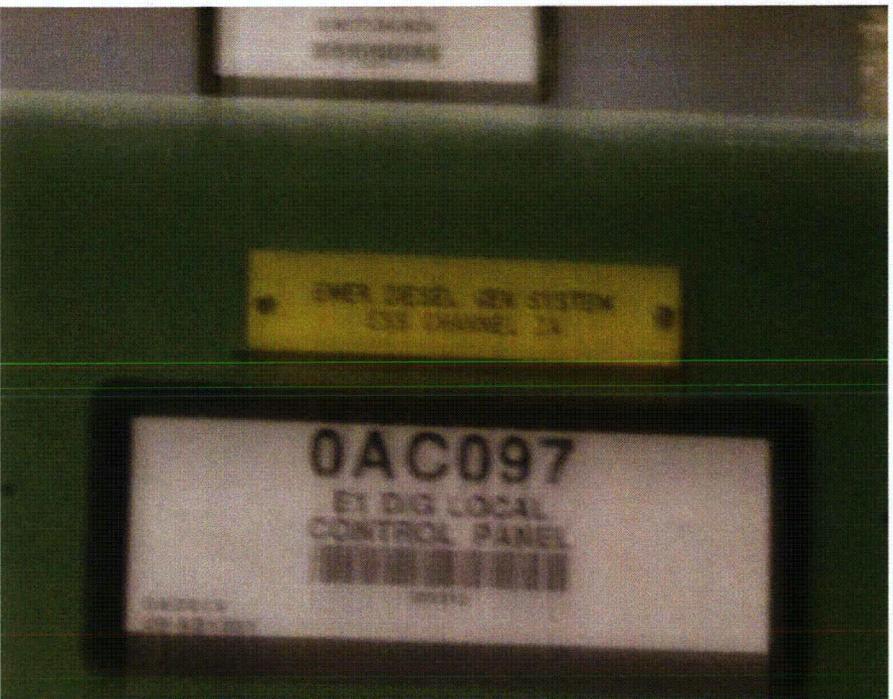
**Other Adverse Conditions**

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

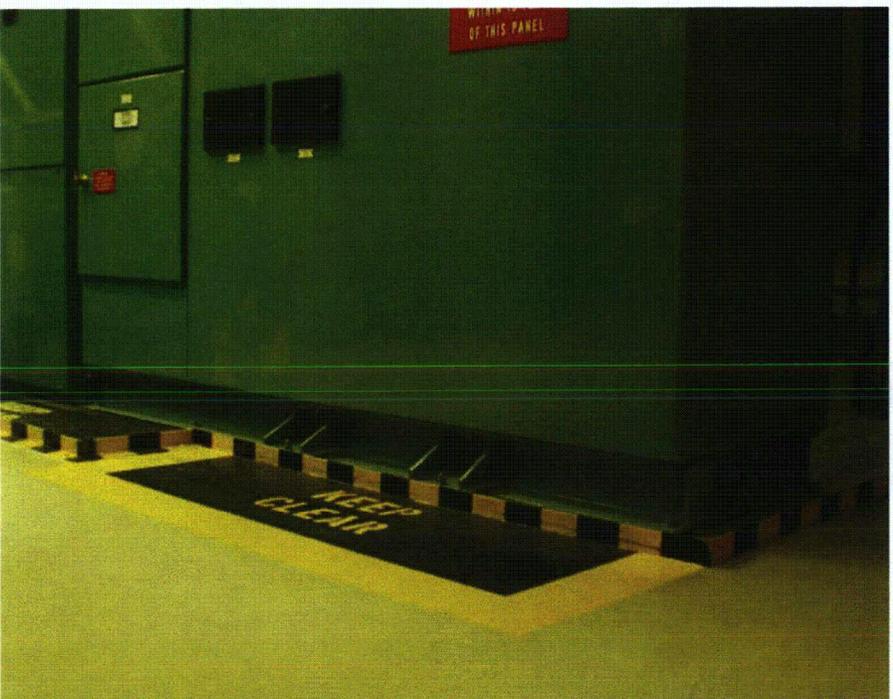
**Comments** (Additional pages may be added as necessary)

*IPEEE - Crane Controller securely mounted to the wall. MO  
 10/10/2012*

Evaluated by: *Ben J...* Date: *9/25/12*  
*H. Ogilvie* *9/25/12*



Equipment ID: 0AC097



Peach Bottom Atomic Power Station Unit 2  
MPR-3815, Revision 3  
Correspondence No. RS-12-173

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AG012 Equip. Class<sup>12</sup> (17) Engine Generators

Equipment Description E1 Standby Diesel Generator

Location: Bldg. Diesel Generator Building Floor El. 127 Room, Area D/G-3

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

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**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A  
*Mild surface oxidation noticed on support beam at north east corner of diesel.*
  
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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  
*Not all anchorages are accessible. General configuration and general dimensions confirmed to PBATS Drawing ES-8-9 (Revision 9).*  
*BMF 11/9/12*  
*MD 11/9/12*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U  
*Calc ES-155-1 (Rev 1) indicates 1 1/4" anchor bolts. Actual anchor bolts are 1" Anchor bolt size discrepancy documented in IR# 01438055. BMF 11/9/12*

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AG012 Equip. Class<sup>12</sup> (17) Engine Generators

Equipment Description E1 Standby Diesel Generator

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  
*Component contains soft targets. No potential impacts from nearby 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  
*It is not credible for falling fluorescent bulbs to damage equipment. No ceiling tiles or masonry blocks.*
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

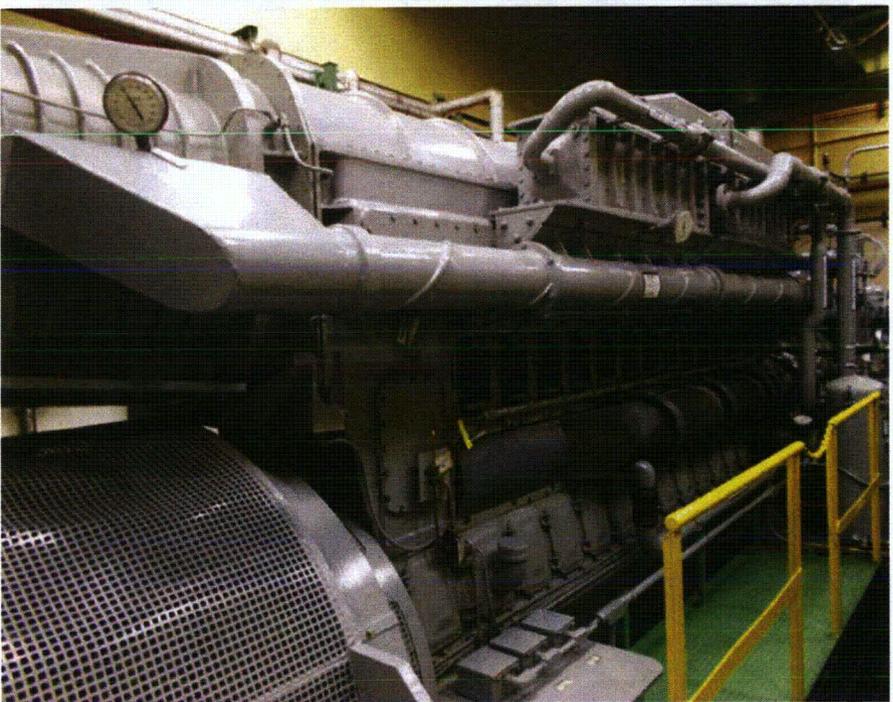
**Other Adverse Conditions**

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)

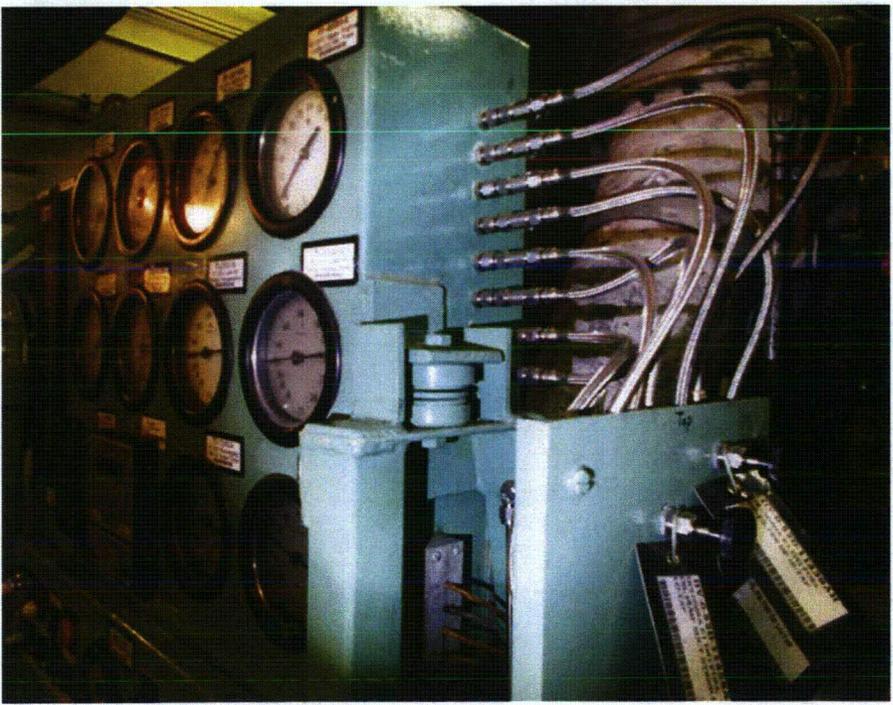
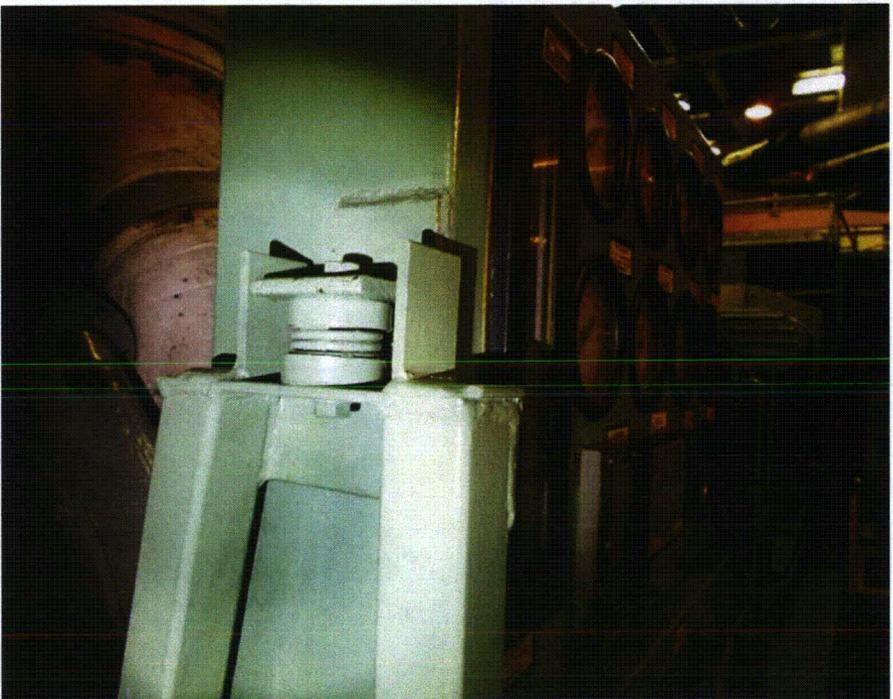
*IPEEE - Crane controller securely mounted to the wall.  
 Seismic restraints have been added to the mounting of the diesel instrumentation panel next to the vibration isolators.*

Evaluated by: *Ben Fay* Date: *8/29/12*  
*M. Gylbas* *8/29/12*

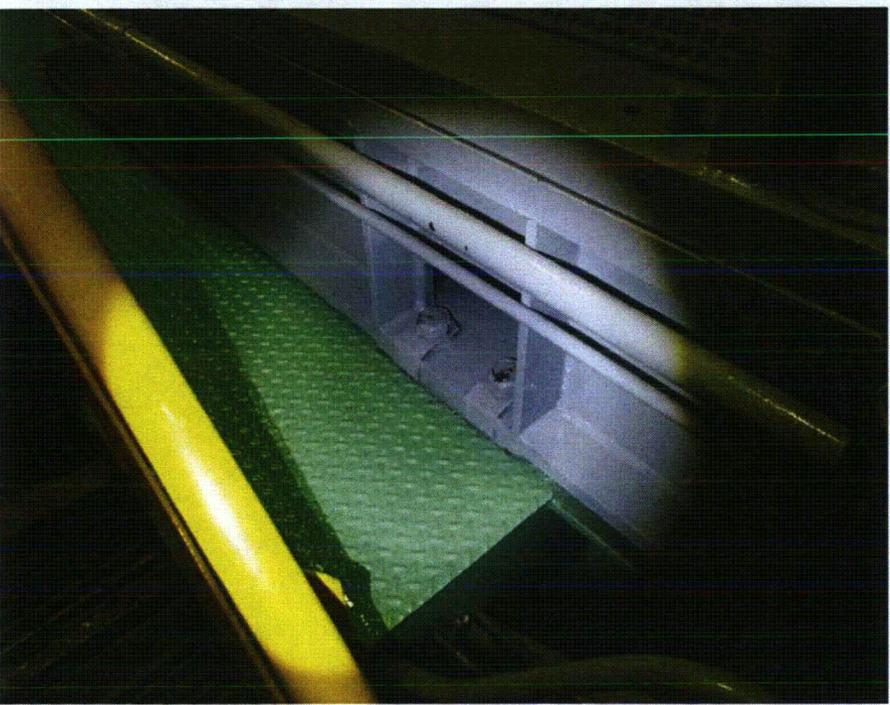


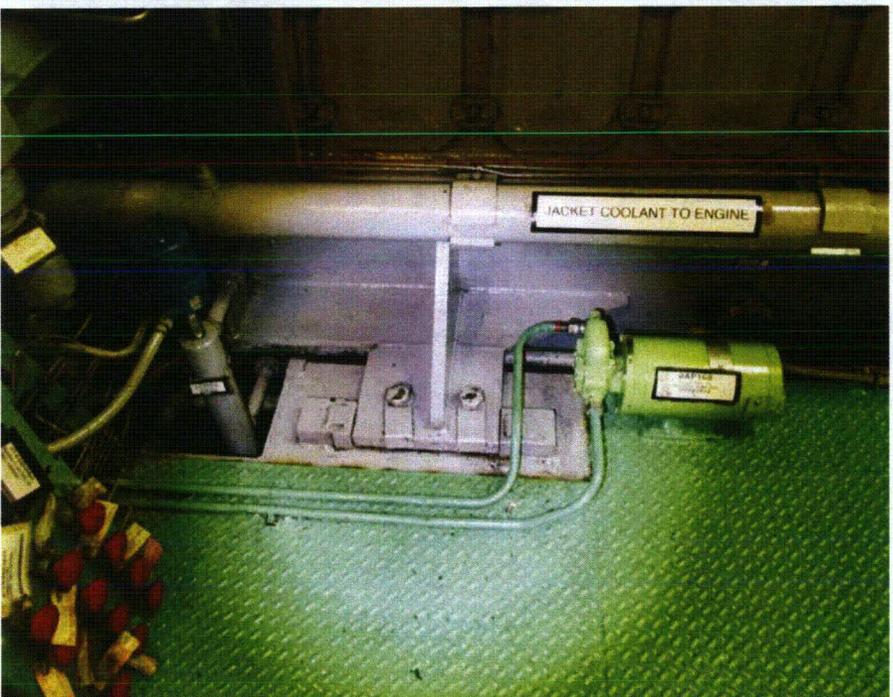
Equipment ID: 0AG012





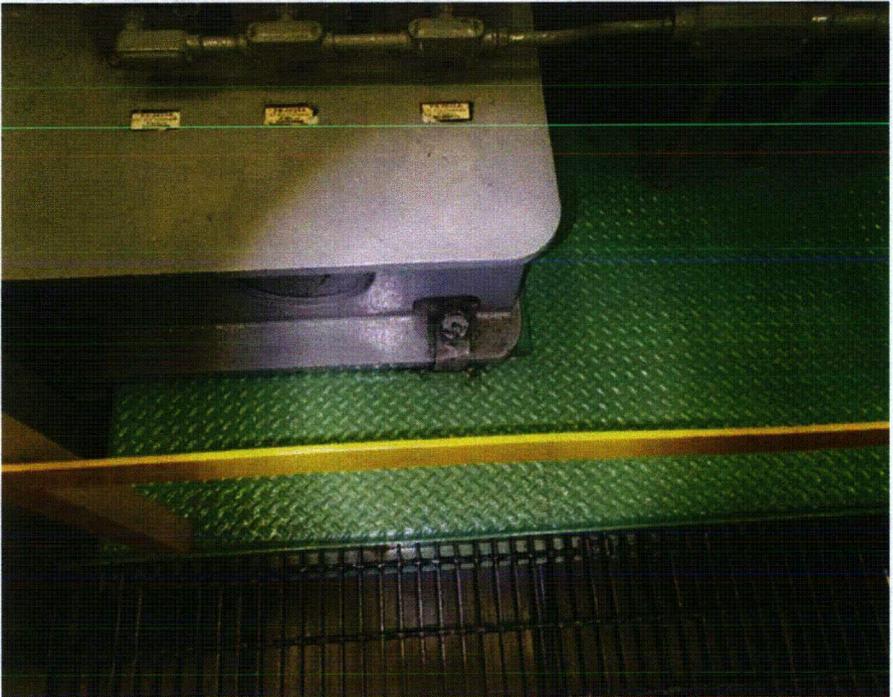
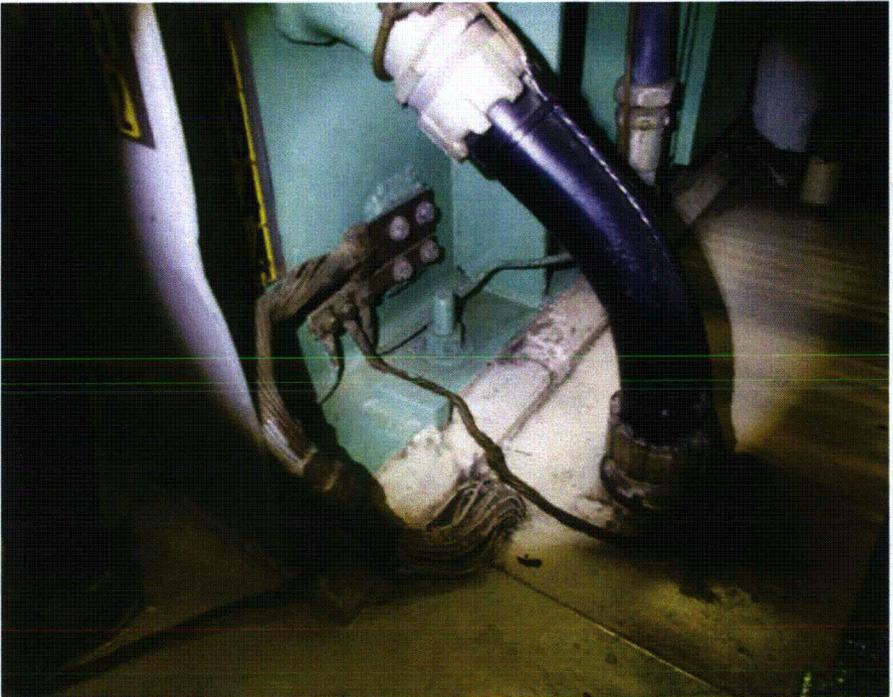
Equipment ID: 0AG012



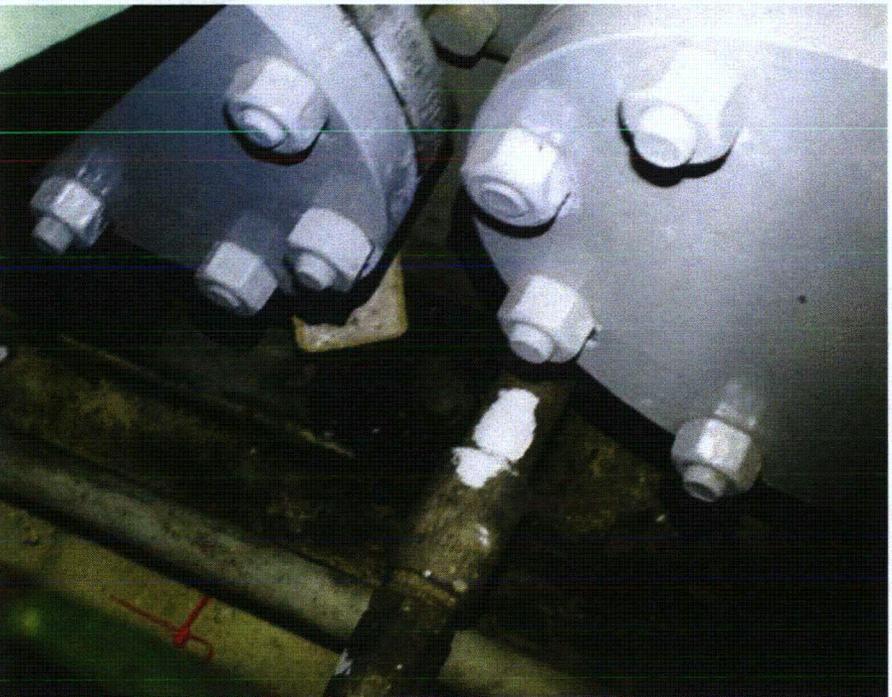


Equipment ID: 0AG012





Equipment ID: 0AG012





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AP060 Equip. Class<sup>12</sup> (05) Horizontal Pumps

Equipment Description E1 D/G Fuel Oil Transfer Pump

Location: Bldg. Diesel Generator Building Floor El. 127 <sup>MO</sup> 10/31/12 Room, Area D/G-3  
<sub>127 MO 11/8/12</sub>

Manufacturer, Model, Etc. (optional but recommended)

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**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   
*No degradation in grout or surrounding concrete.*
5. Is the anchorage configuration consistent with plant documentation? Y  N  U  N/A   
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AP060 Equip. Class<sup>12</sup> (05) Horizontal Pumps

Equipment Description E1 D/G Fuel Oil Transfer 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  
*The light bulbs may fall during seismic event. However, there is no soft targets. No ceiling tiles or masonry block.*

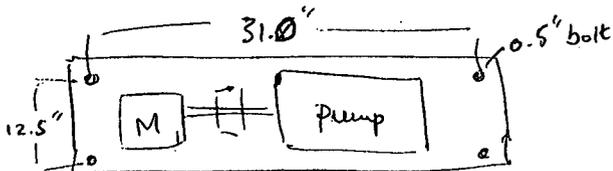
9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

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

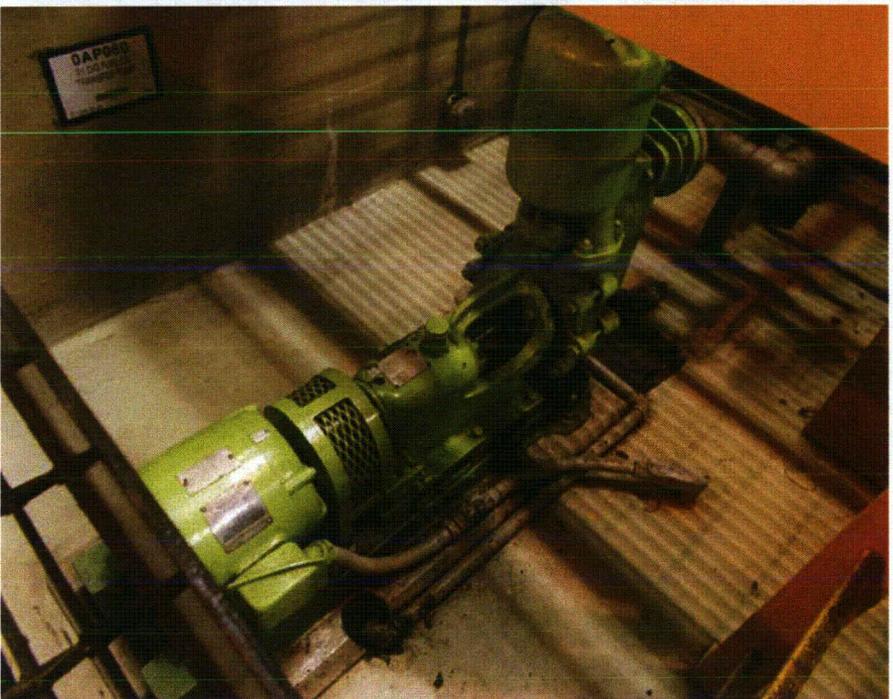
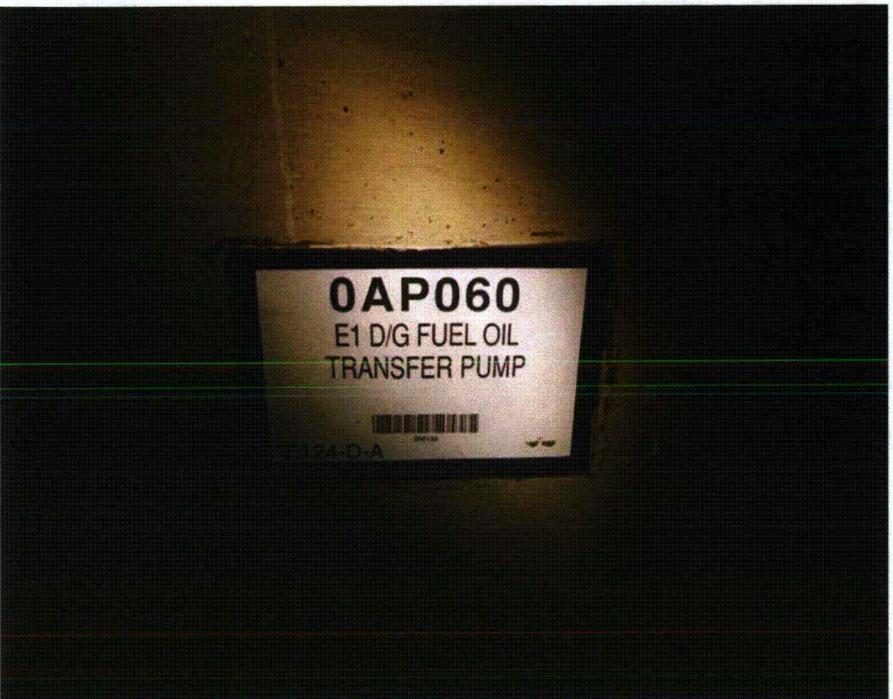
**Other Adverse Conditions**

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

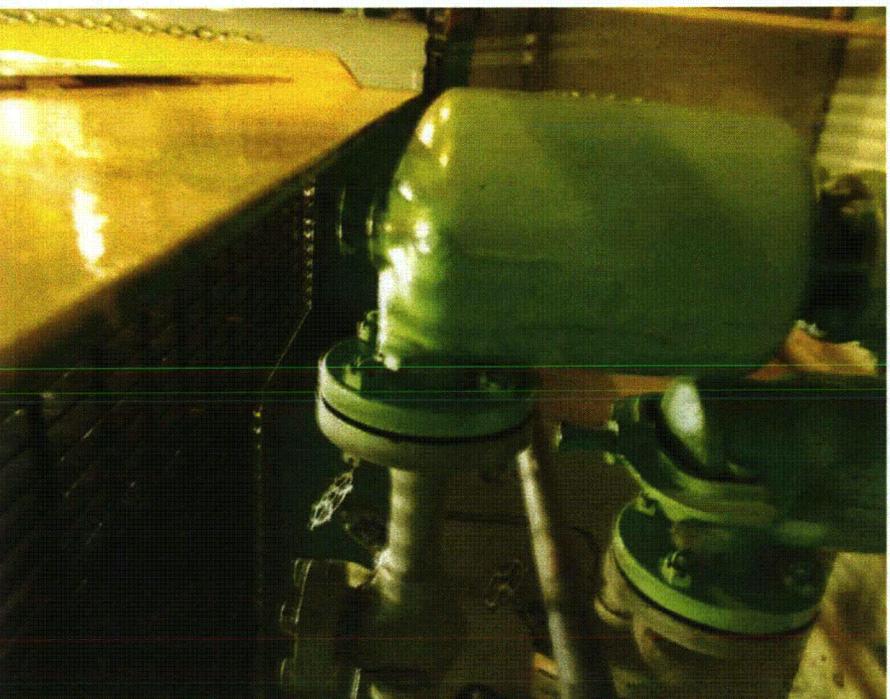
**Comments** (Additional pages may be added as necessary)



Evaluated by: *Ber Jung* Date: 9/25/12  
*H. Ogilvie* 9/25/12



Equipment ID: 0AP060



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AP163 Equip. Class<sup>12</sup> (05) Horizontal Pumps

Equipment Description Emergency Service Water Booster Pump A

Location: Bldg. Diesel Generator Building Floor El. 12127<sup>MO</sup> 10/31/12 Room, Area D/G-1

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

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**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?    Y  N  U  N/A   
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?    Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AP163 Equip. Class<sup>12</sup> (05) Horizontal Pumps

Equipment Description Emergency Service Water Booster Pump A

**Interaction Effects**

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

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

*— Lighting fixtures are securely attached to the ceiling but there is no cage on the light bulbs. This is not a concern if the light bulb falls during a seismic event, no ceiling tiles or masonry block.*

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

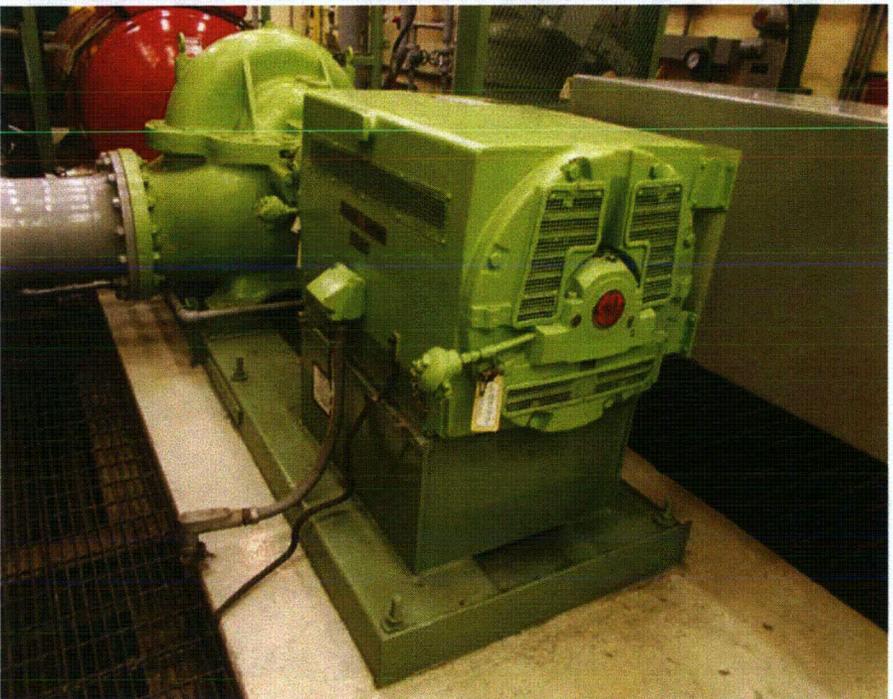
**Other Adverse Conditions**

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

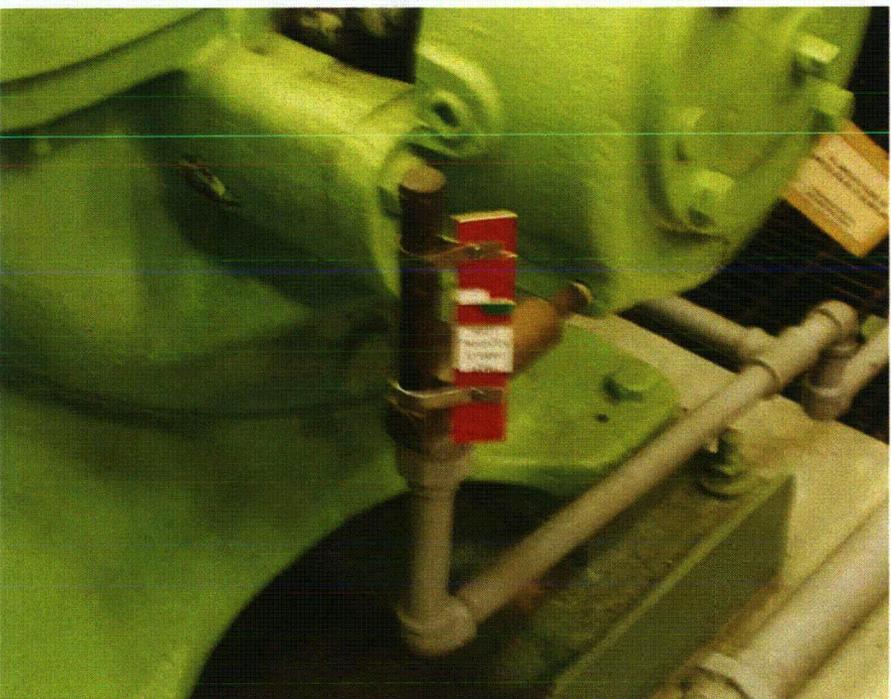
**Comments** (Additional pages may be added as necessary)

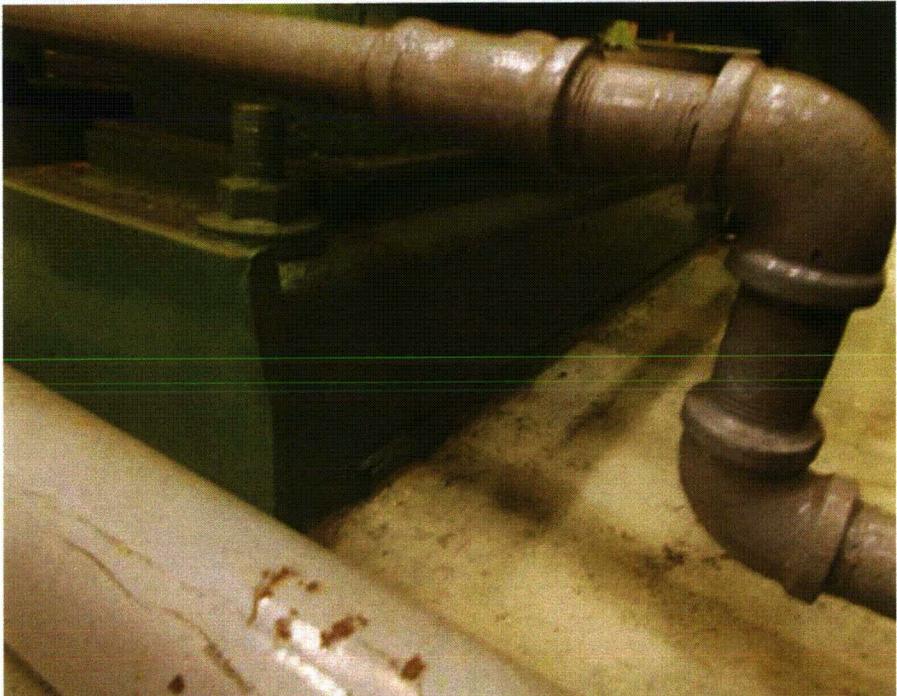
Evaluated by: *Ben Fry* Date: *9/25/12*

*M. Ogbaen* *9/25/12*



Equipment ID: 0AP163





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AT040 ~~0AT40~~ *BMF 8/27/12* Equip. Class<sup>12</sup> (21) Tanks or Heat Exchangers (Vertical)

Equipment Description E1 Diesel Generator Fuel Oil Day Tank

Location: Bldg. Diesel Generator Building Floor El. 127 Room, Area D/G-3

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U
  
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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) *BMF 8/31/12*  
*Anchorage confirmed to PRAPS Drawing E-5-36-6, (Revision 6).*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AT40 Equip. Class<sup>12</sup> (21) Tanks or Heat Exchangers (Vertical)

Equipment Description E1 Diesel Generator Fuel Oil Day Tank

**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 masonry walls or 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

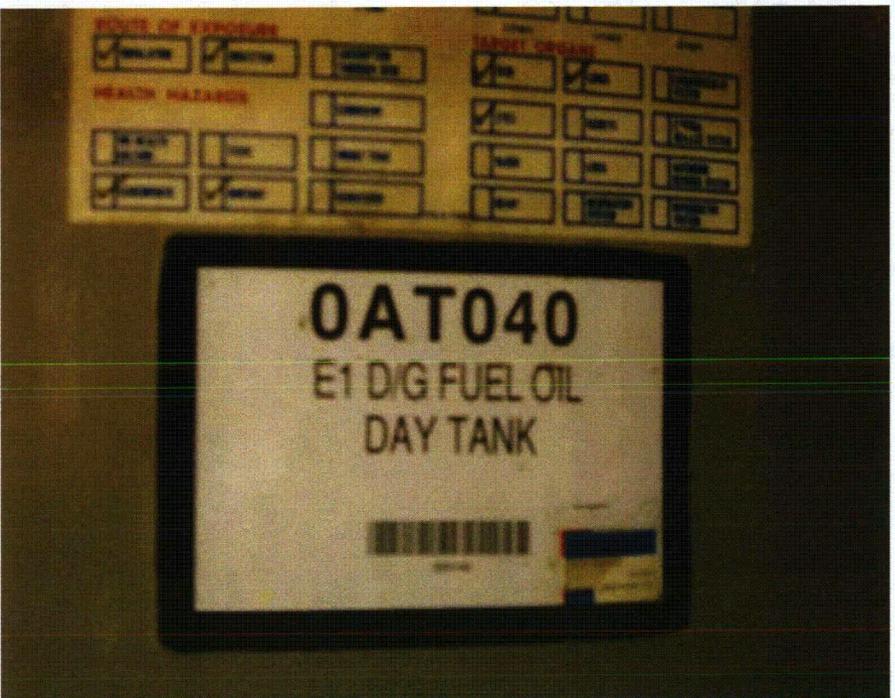
**Other Adverse Conditions**

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

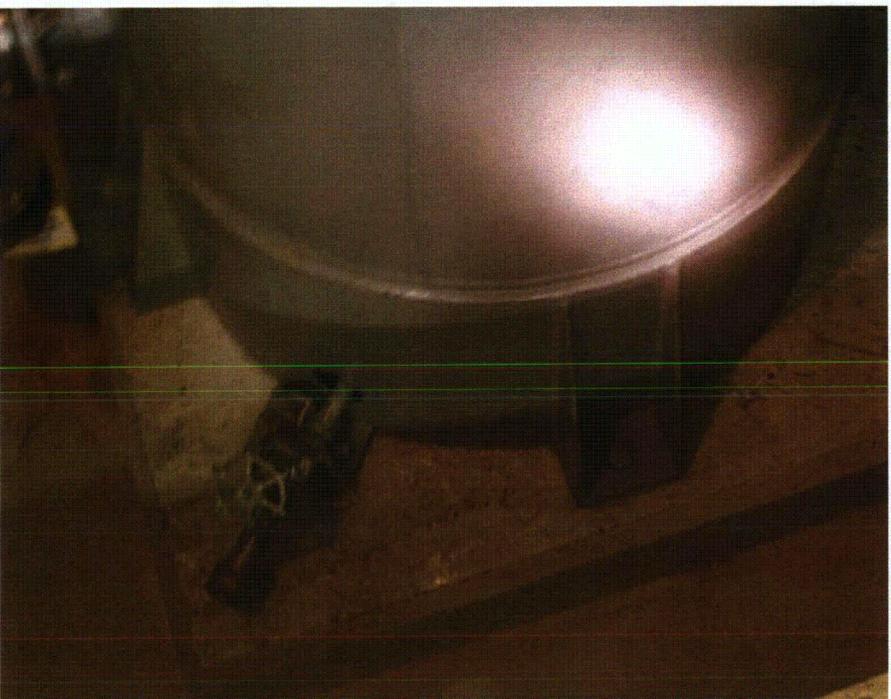
**Comments** (Additional pages may be added as necessary)

Evaluated by: *M. Oghbaei* Date: 8/28/12

*Ben Fry* 8/31/12



Equipment ID: 0AT040



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AT096 Equip. Class<sup>12</sup> (21) Tanks or Heat Exchangers (Horizontal)

Equipment Description E1 Diesel Generator Lube Oil Storage Tank

Location: Bldg. Diesel Generator Building Floor El. 127 Room, Area D/G-3

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  
*Anchorage Confirmed to PS&S Drawing S-1199 Revision 01 BME 8/31/12*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AT096 Equip. Class<sup>12</sup> (21) Tanks or Heat Exchangers (Horizontal)

Equipment Description E1 Diesel Generator Lube Oil Storage Tank

**Interaction Effects**

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

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

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

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

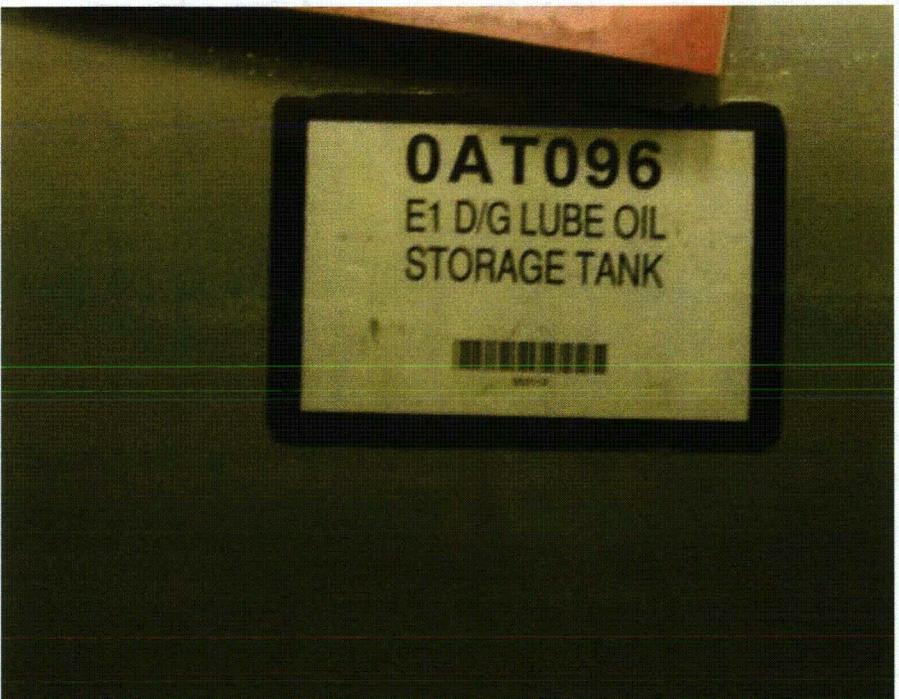
**Other Adverse Conditions**

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

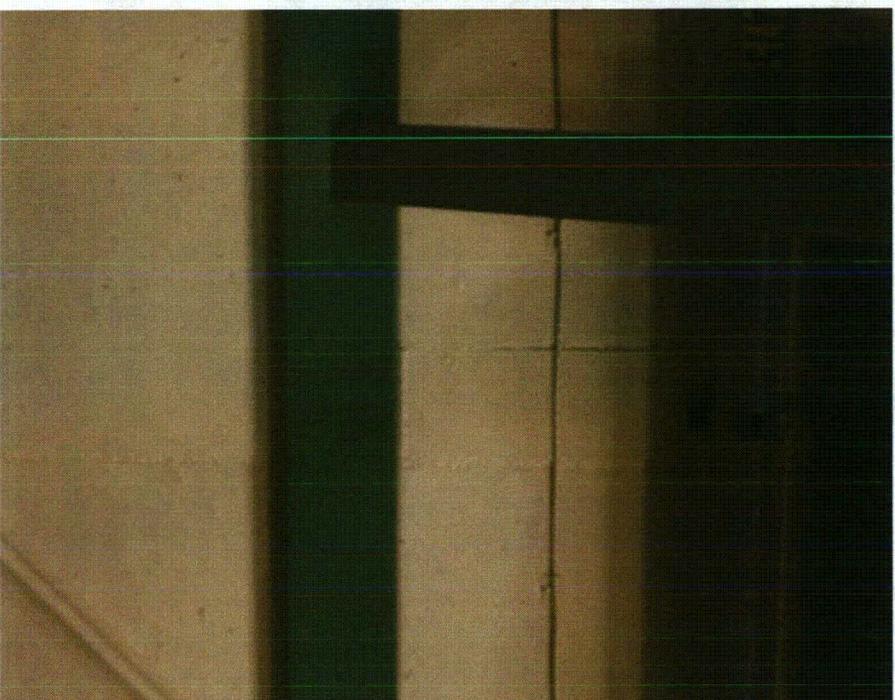
**Comments** (Additional pages may be added as necessary)

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

*H. Ozbaier* 9/25/12



Equipment ID: 0AT096



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. GAV 030 Equip. Class<sup>12</sup> (a) Fans  
 Equipment Description Control Room HVAC Emer. Vent. Supply Fan A  
 Location: Bldg. TB Floor El. 165 Room, Area Fan Room  
 Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

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

**Anchorage**

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

*Verified per Dwg. 6280-5-978-0 Rev. 0*

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

*East seismic log is slightly bent in vertical direction, has no impact on E-W load bearing capacity. Seismic support is still adequately engaged.*

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

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AV030 Equip. Class<sup>12</sup> (9) Fans  
Equipment Description Control Room Emergency Ventilation Supply Fan 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

*No II/I concerns identified. Overhead light fixture is secure.*

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

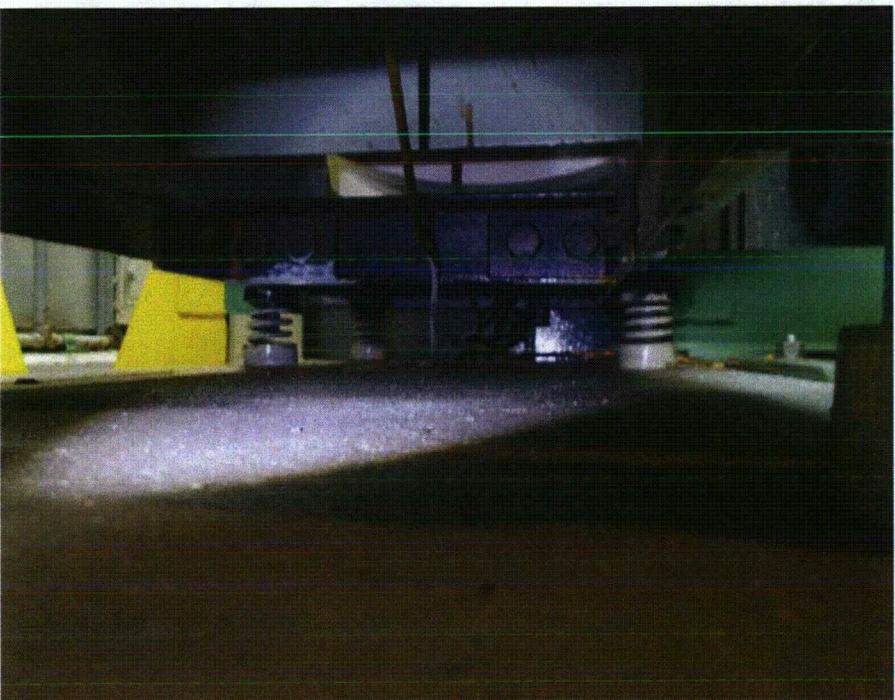
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

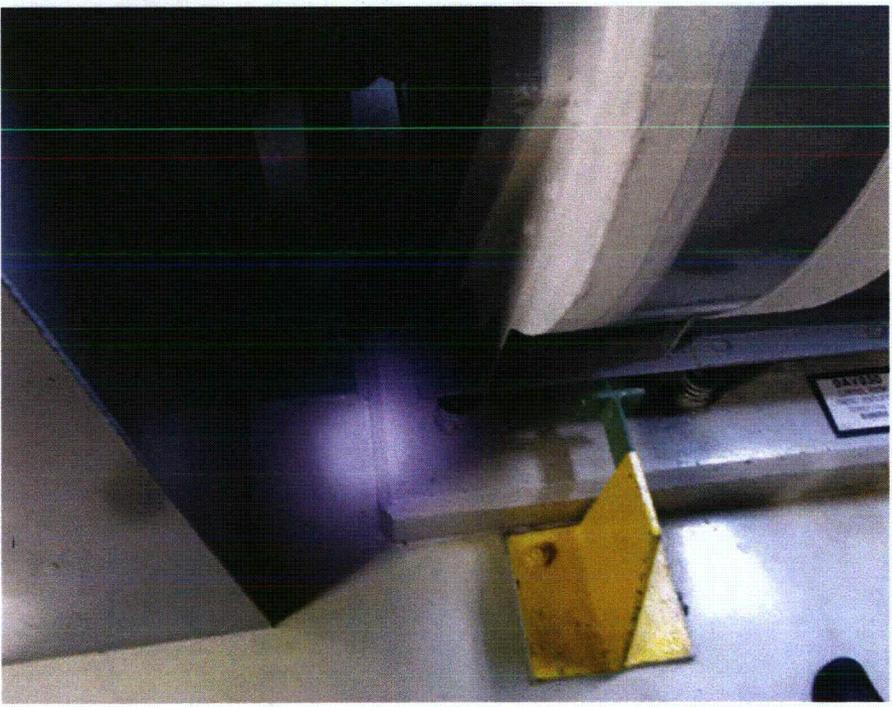
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**Comments** (Additional pages may be added as necessary)

Evaluated by: *[Signature]* Date: 9/12/12  
*[Signature]* 9/12/12



Equipment ID: 0AV030



Equipment ID: 0AV030



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AV036 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Battery Room Exhaust Fan A

Location: Bldg. Radwaste Floor El. 165 Room, Area R/W-32

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  U
  
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.)  
*CONFIGURATION MATCHES DUB 6280-S-978-0, REV. B*  
 Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AV036 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Battery Room Exhaust Fan 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 conduit adequately supported, BASE SUPPORT ANCHORED WITH TWO BOLTS.*

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

*Threaded fire piping is a nitrogen-filled pre-action system (dry piping) per visual verification of deluge components*

**Comments** (Additional pages may be added as necessary)

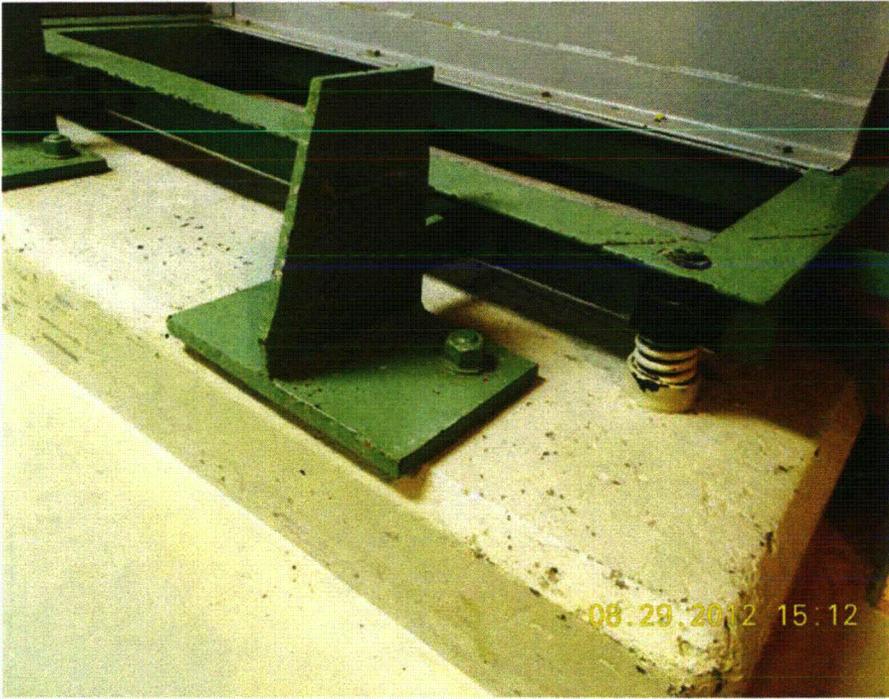
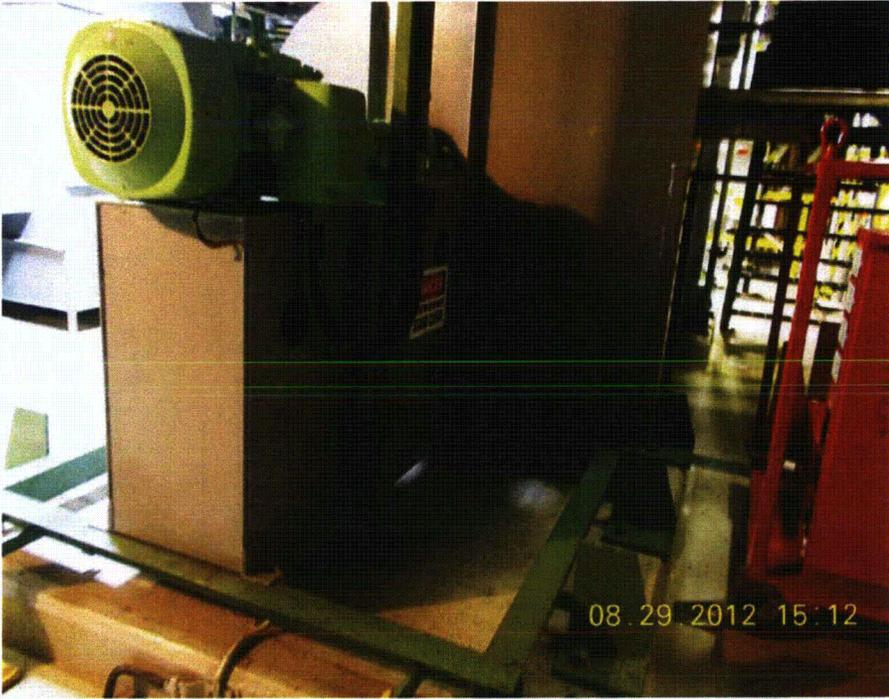
*N/A*

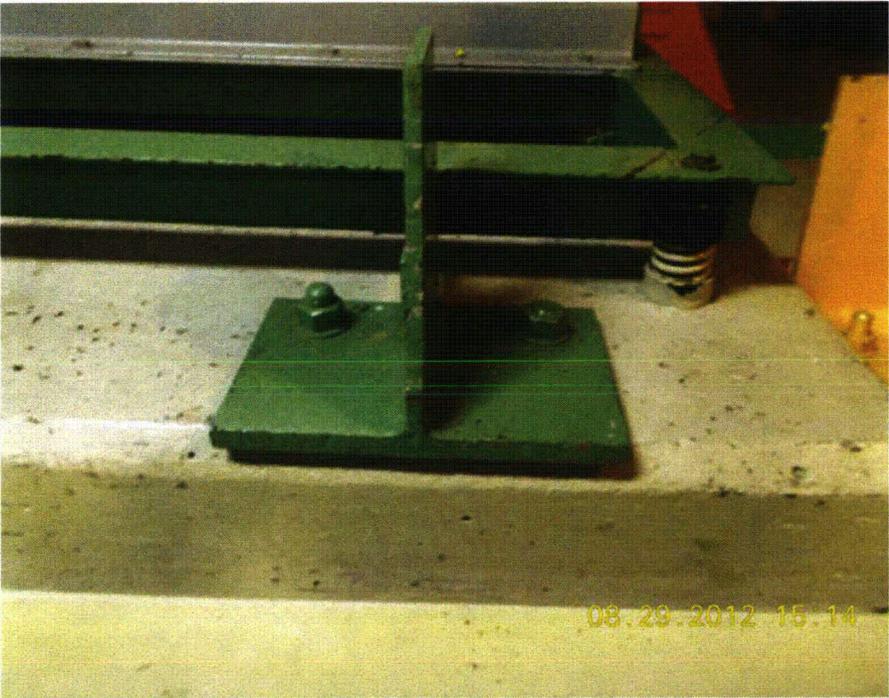
Evaluated by: James Wiggins

Date: 8/30/2012

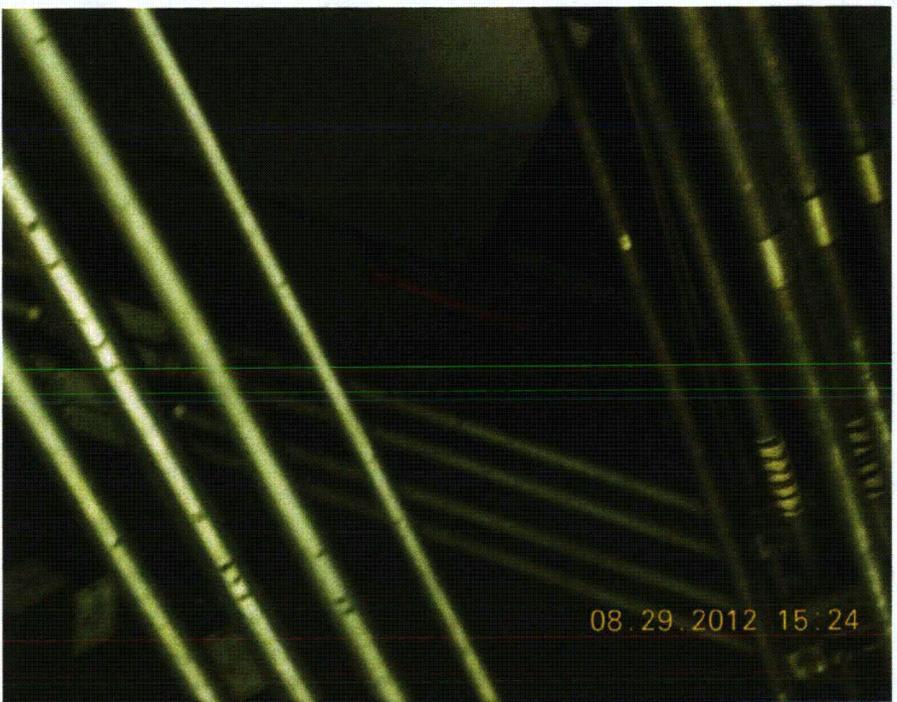
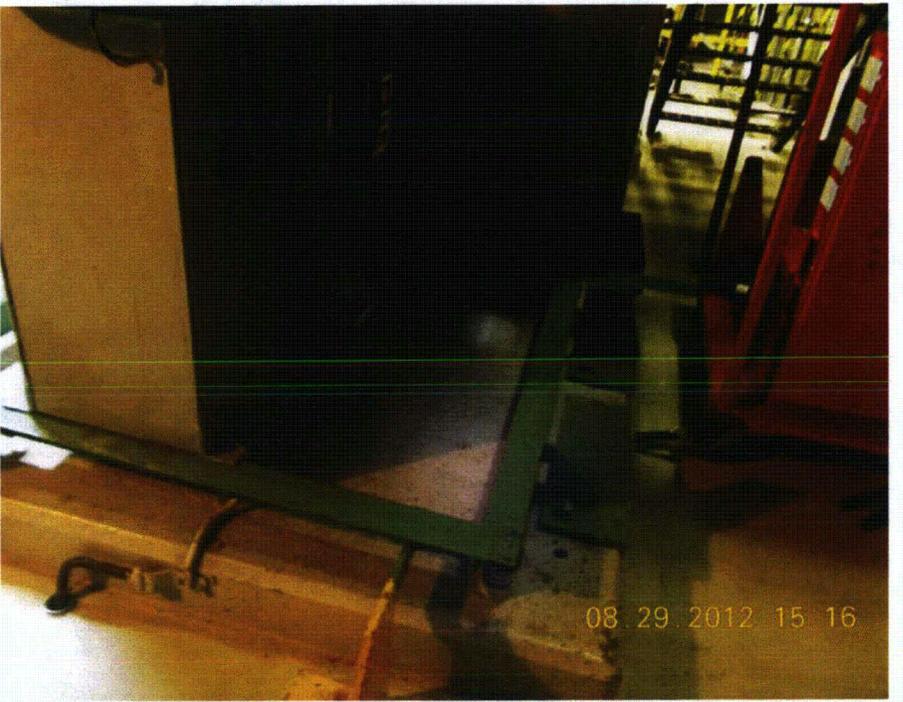
K. G. S.

8/30/2012

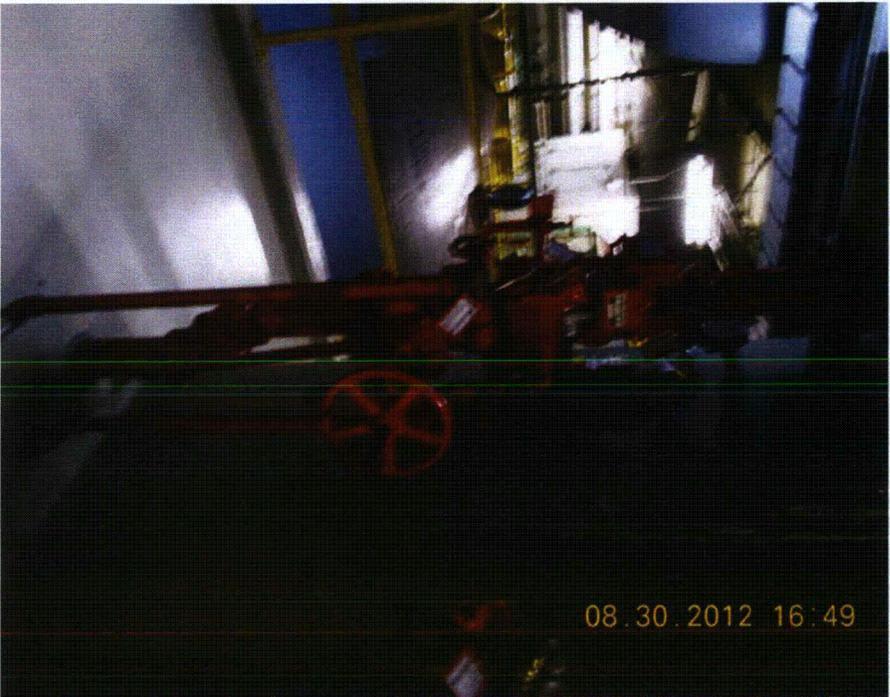




Equipment ID: 0AV036



Equipment ID: 0AV036



08.30.2012 16:49



08.30.2012 16:49



08.30.2012 16:49

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0AV064 Equip. Class<sup>12</sup> (09) Fans

Equipment Description D/G Building Vent Supply Fan

Location: Bldg. Diesel Generator Building Floor El. 151 Room, Area D/G-13 19

Manufacturer, Model, Etc. (optional but recommended) AMERICAN BLOWER FAN 134

**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.)  
MARSHES DUG 6280-5-979-0 RO  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0AV064 Equip. Class<sup>12</sup> (09) Fans

Equipment Description D/G Building Vent Supply 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 OVERHEAD COMPONENTS

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

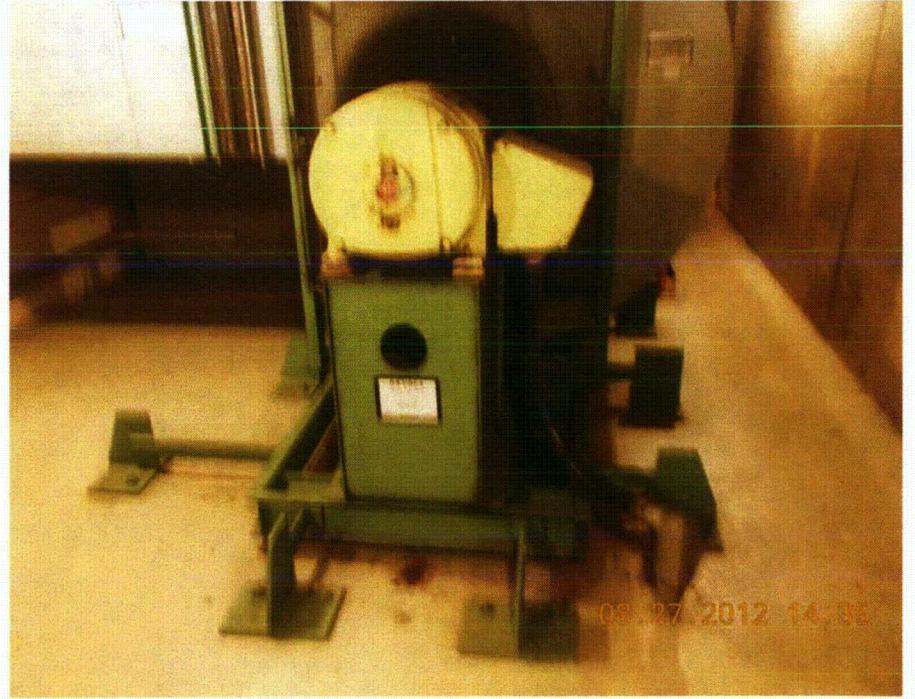
**Other Adverse Conditions**

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: 8/28/2012  
Ki. AS 8/28/2012



Equipment ID: 0AV064



08.27.2012 14:35



08.27.2012 14:36

Equipment ID: 0AV064



08.27.2012 15:14

Peach Bottom Atomic Power Station Unit 2  
MPR-3815, Revision 3  
Correspondence No. RS-12-173

C-383

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0BK032 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Emergency Cooling Tower Fan B

Location: Bldg. Emergency Floor El. 195 Room, Area ECT-6  
Cooling Towers

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  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A  
*Mild surface oxidation present.*
  
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?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  
*Motor Anchorage configuration matches Dwg. M78-3-S, Revision 5.  
 Bolt size not indicated on drawing.*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U  
*Only motor anchorage was evaluated. The fan and shaft are located inside the cooling tower and were not accessible for this walkdown.*

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0BK032 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Emergency Cooling Tower Fan B

**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  
*Item is located on the roof of ECT. Therefore, no over head equipment, distribution system, ceiling tiles & lighting. All walls are pour concrete.*

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**

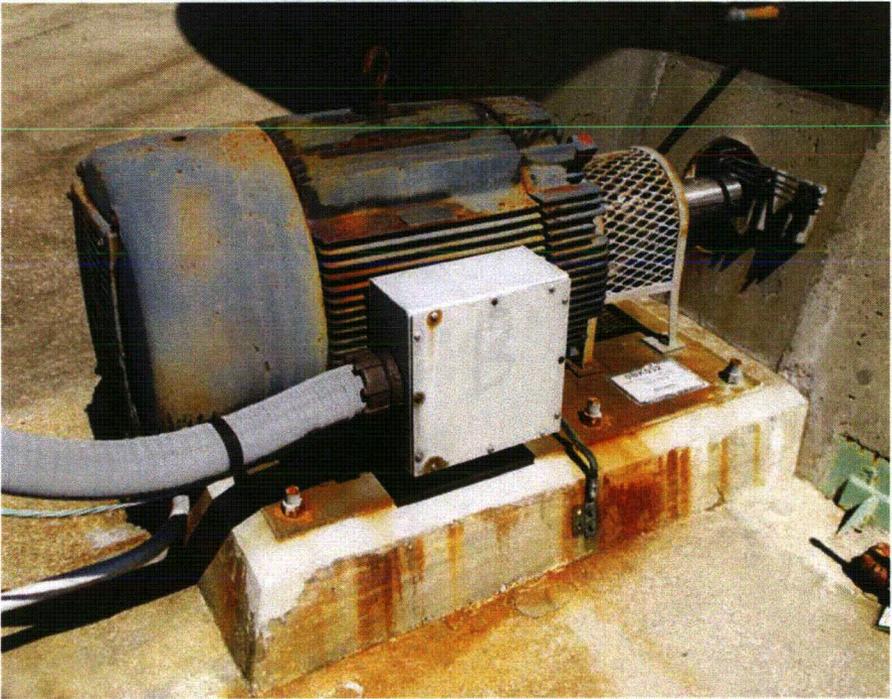
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**Comments** (Additional pages may be added as necessary)

*Motor mount (external to cooling tower) was only partial verified.*

Evaluated by: *M. oghbain* Date: *8/28/12*

*Ben Foy* *8/28/12*



Equipment ID: OBK032

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. OBP057 Equip. Class<sup>12</sup> (06) Vertical Pumps

Equipment Description Emergency Service Water Pump B

Location: Bldg. Pump Structure Floor El. 112 Room, Area P/H-8 9 *g m 2/29/2012*

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.)  
*MATCHES DWG M-11-28, REV. 4*  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. OBP057 Equip. Class<sup>12</sup> (06) Vertical Pumps

Equipment Description Emergency Service Water Pump B

**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

*Small clearance between pump junction box and overhead duct could result in lateral interference, but would not affect safety function of SSCs; interaction judged credible but not significant*

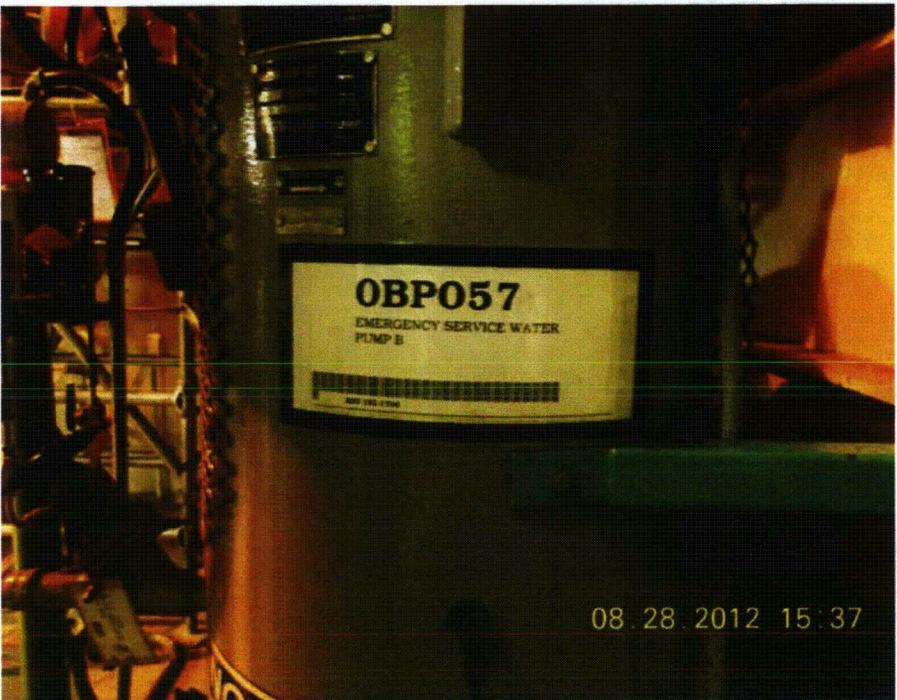
**Comments** (Additional pages may be added as necessary)

*IPEEC: ~~Small clearance between pump~~ for 8/29/2012*

*IPEEC: CRANE HAS BEEN SECURED W/ TORNADO TIE-DOWNS*

Evaluated by: *John Wiggins* Date: *9/11/2012*

*KE JTS* *9/11/2012*



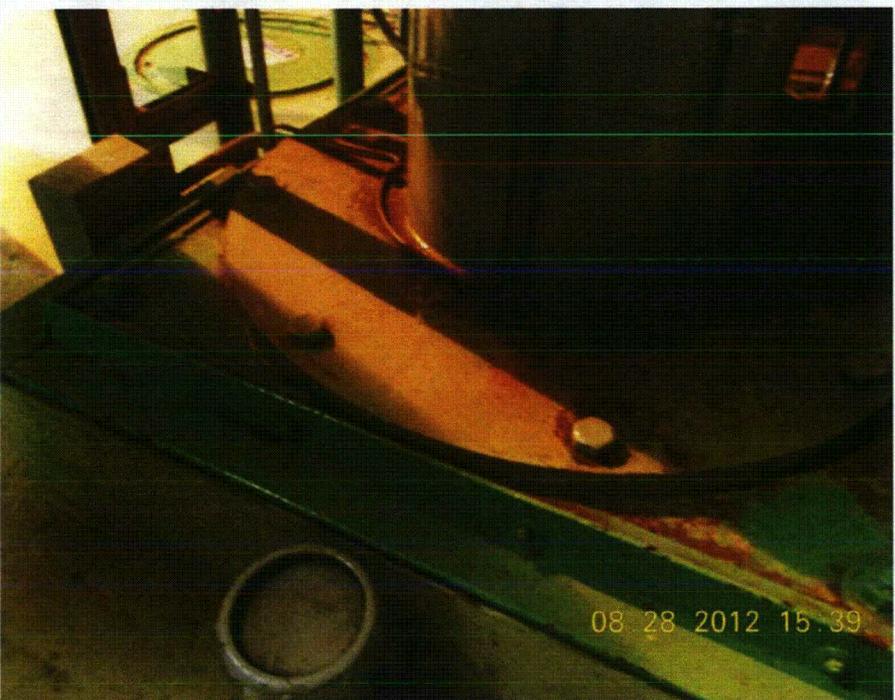
08.28.2012 15:37



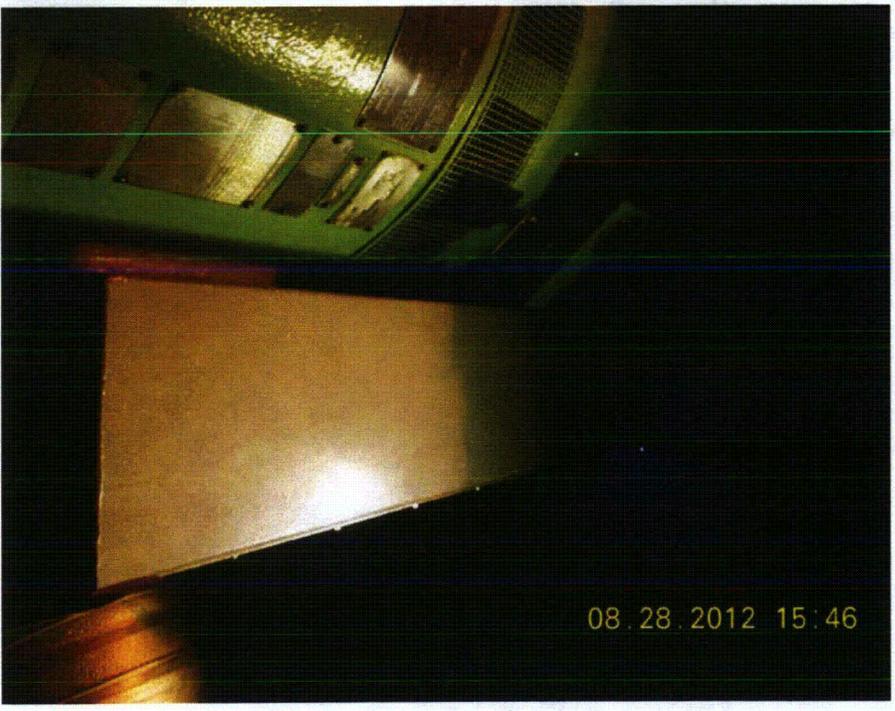
08.28.2012 15:37



08.28.2012 15:38



08.28.2012 15:39



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0BV030 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Control Room Emergency Ventilation Supply Fan B

Location: Bldg. Turbine Floor El. 150 165 Room, Area ~~442~~ Fan Room

Manufacturer, Model, Etc. (optional but recommended) BMF 8/29/12 BMF 8/29/12

**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.)  
*anchorage confirmed to S-978-D sheet 1 of 1 per O*  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. 0BV030 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Control Room Emergency Ventilation Supply Fan B

**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 ceiling tiles, no masonry walls nearby.  
 Nearby Fluorescent light fixture has closed S-hooks, Damage due to falling fluorescent bulb not credible.*

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

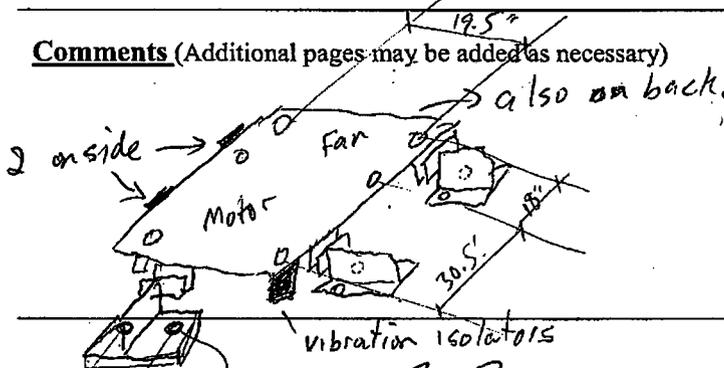
**Other Adverse Conditions**

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

*The structural support for Flow switch FS-0760A is approx 1/2 inch from fan housing. The structural support is mounted to the same floor slab as the Fan. It is not credible for damage to occur due to relative motion.*

**Comments** (Additional pages may be added as necessary)

S-978



Evaluated by: Ben Fry 1/2" bolt

Date: 9/25/12

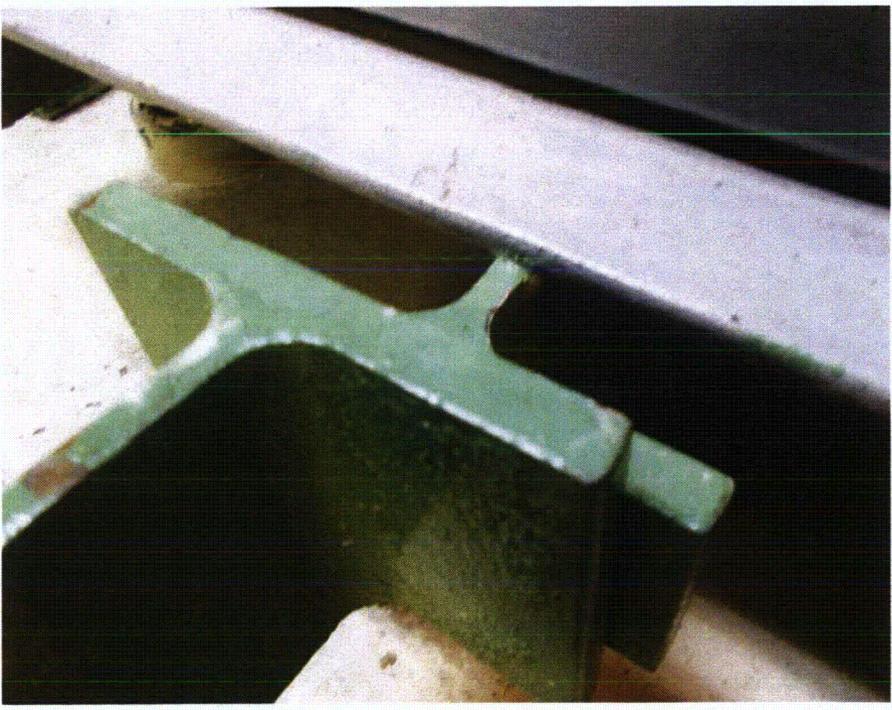
typ. 9"

H. oghbaan

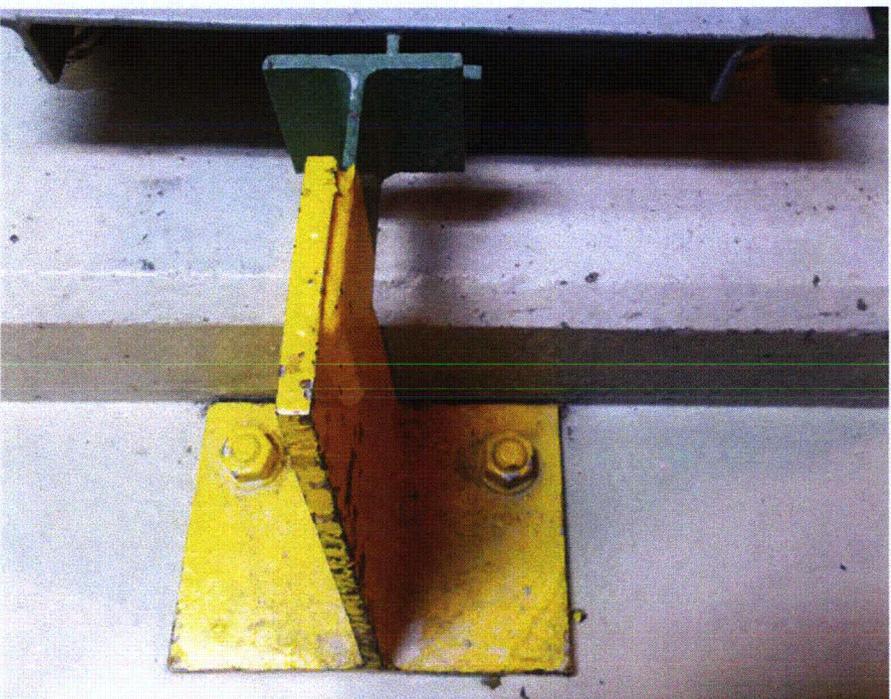
10/8/12

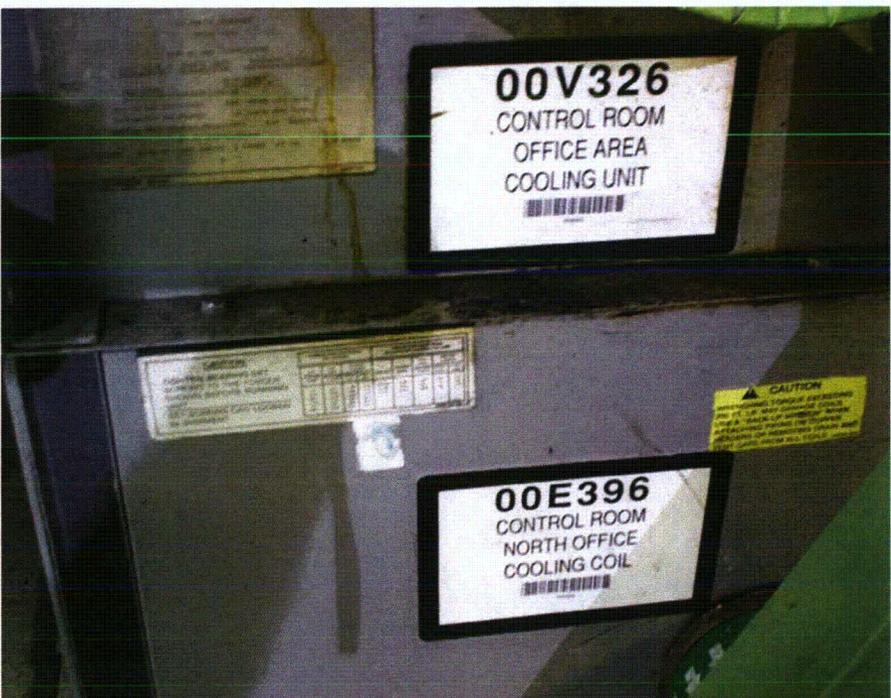
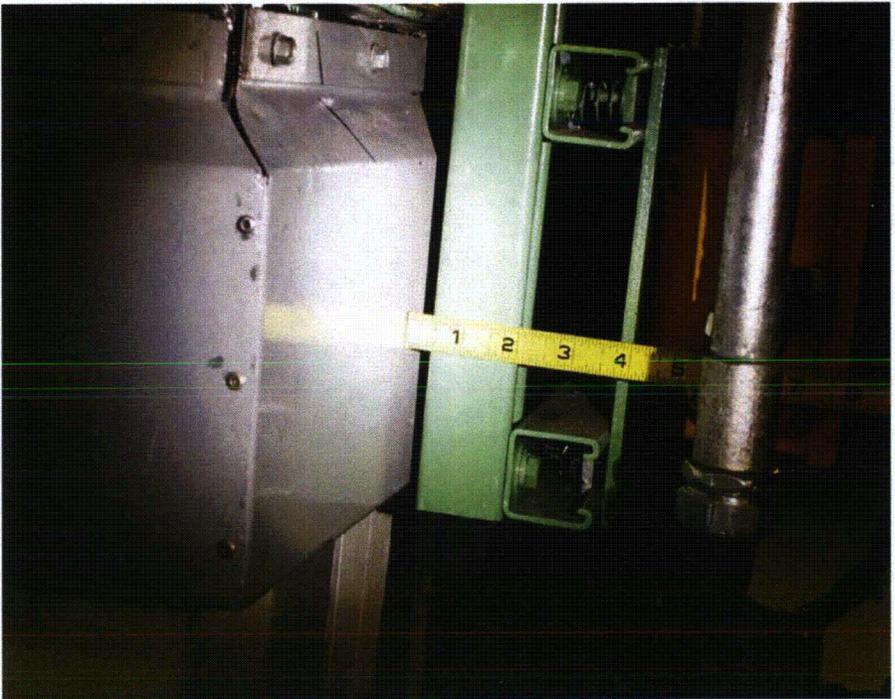


Equipment ID: OBV030

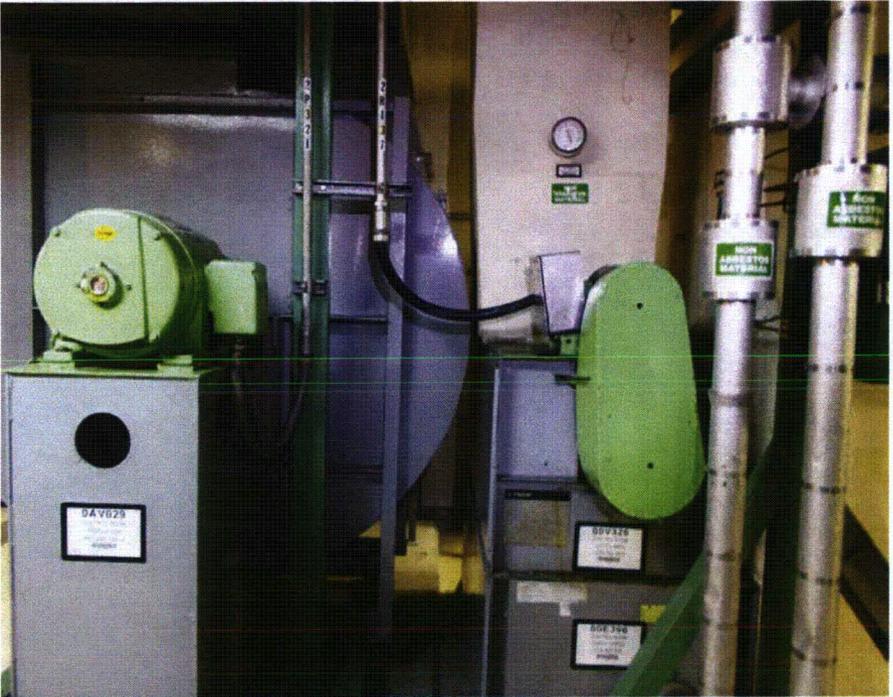


Equipment ID: 0BV030





Equipment ID: 0BV030



Equipment ID: 0BV030



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 0BV035 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Emergency Switchgear Ventilation Exhaust Fan B

Location: Bldg. Radwaste Floor El. 165 Room, Area R/W-32

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  U
  
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.)  
CONFIGURATION MATCHES DWG 6280-S-978-0, REV. 0  
 Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Equipment ID No. OBV035 Equip. Class<sup>12</sup> (09) Fans

Equipment Description Emergency Switchgear Ventilation Exhaust Fan B

**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

*Several conduits overhead but all well supported*

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**

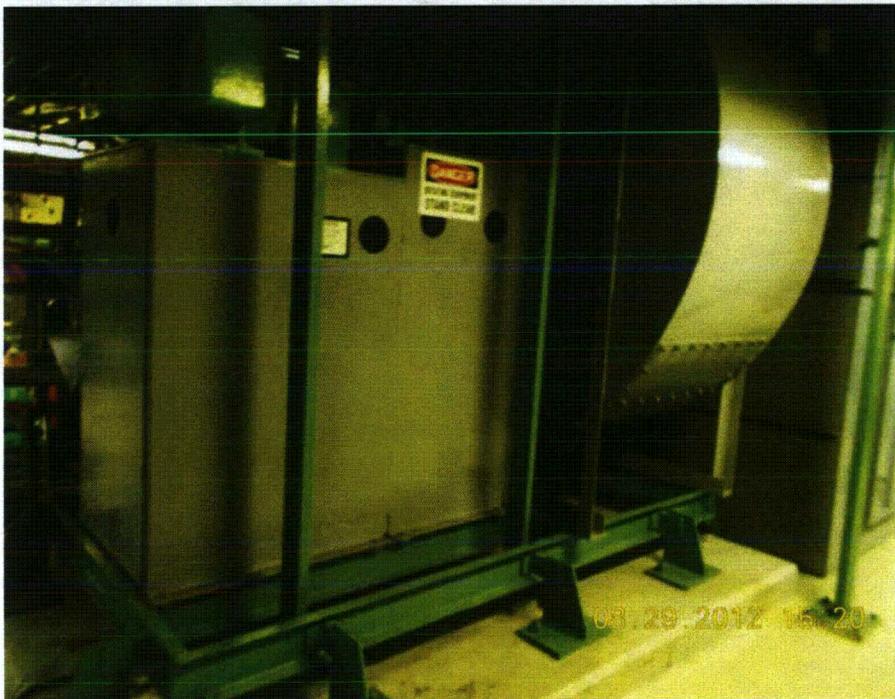
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

*Equipment in nearby laydown area is secured  
Threaded fire piping is a nitrogen-filled pre-action system  
(dry piping) per visual verification of deluge components*

**Comments** (Additional pages may be added as necessary)

*N/A*

Evaluated by: *James Wiggins* Date: *8/30/2012*  
*K. Gts* *8/30/2012*



Equipment ID: OBV035