

### Seismic Walkdown Checklist (SWC)

Equipment ID No. LT3-2-3-61 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Vessel Water Level Transmitter

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

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

Equipment ID No. LT3-2-3-61 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Vessel Water Level Transmitter

**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

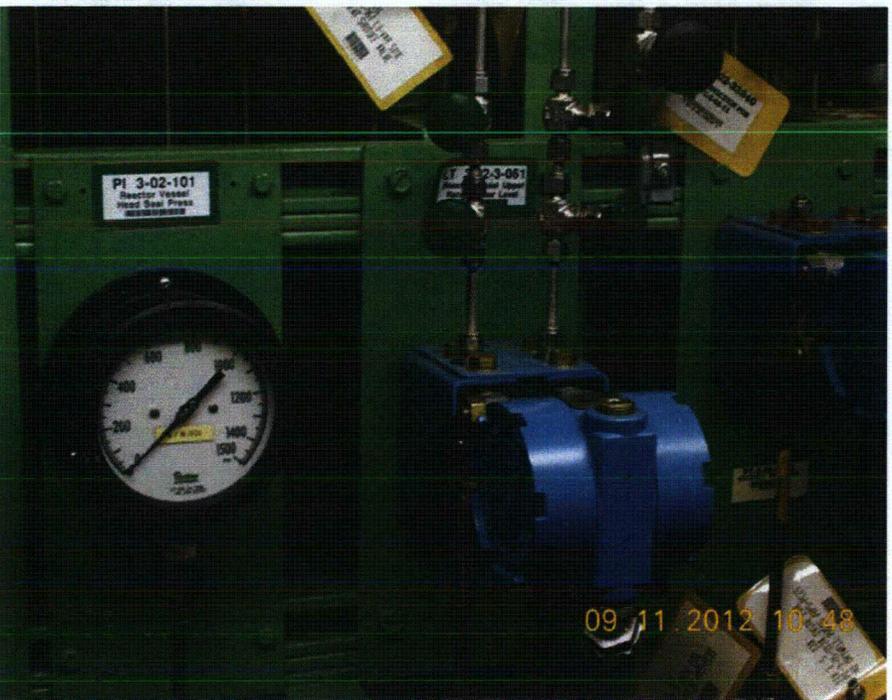
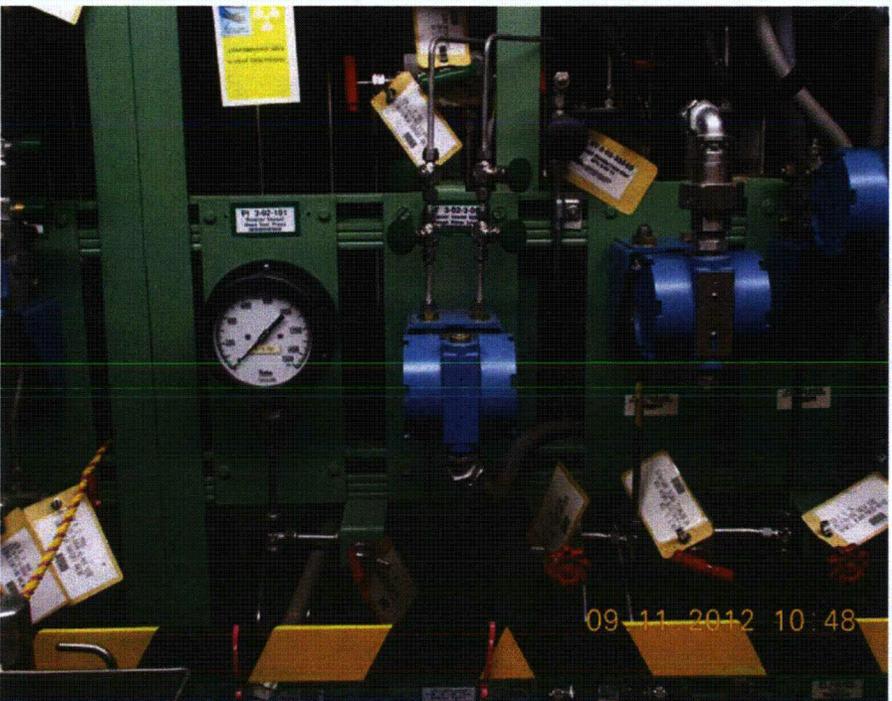
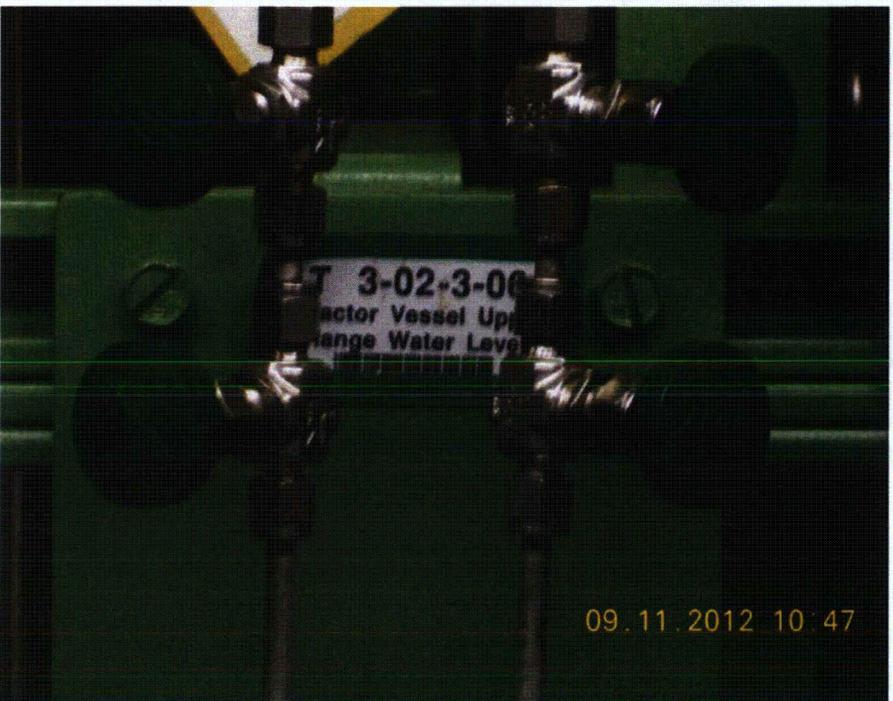
**Other Adverse Conditions**

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: *James Wiggins* Date: *9/17/2010*  
*KE JS* *9/17/2012*



### Seismic Walkdown Checklist (SWC)

Equipment ID No. LT-9123A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Torus Water Level Transmitter

Location: Bldg. Reactor Floor El. 91 Room, Area R3-11

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

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

Equipment ID No. LT-9123A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Torus Water Level Transmitter

**Interaction Effects**

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

*No soft targets*

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

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

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

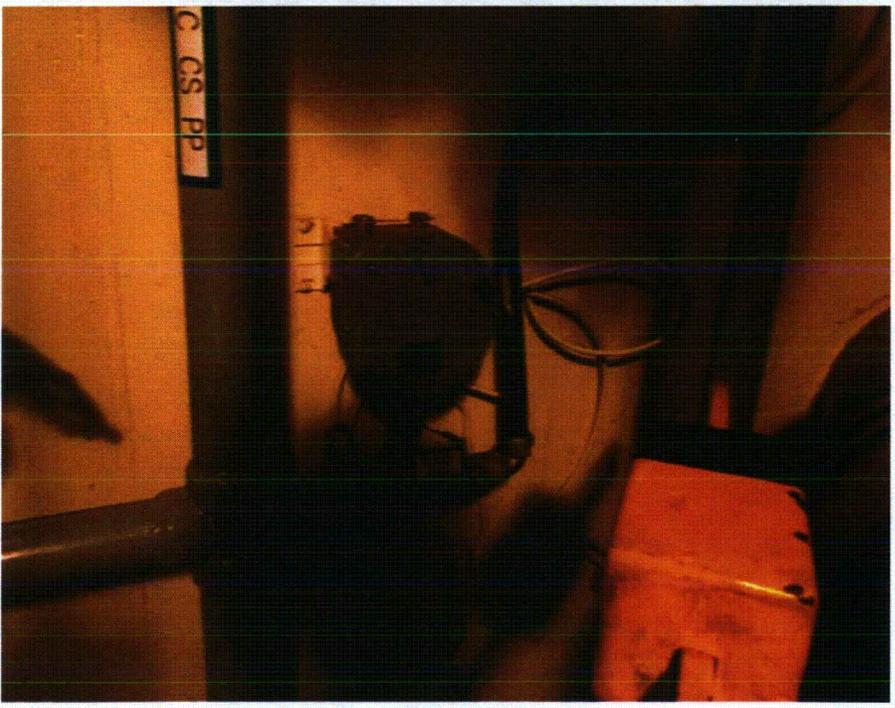
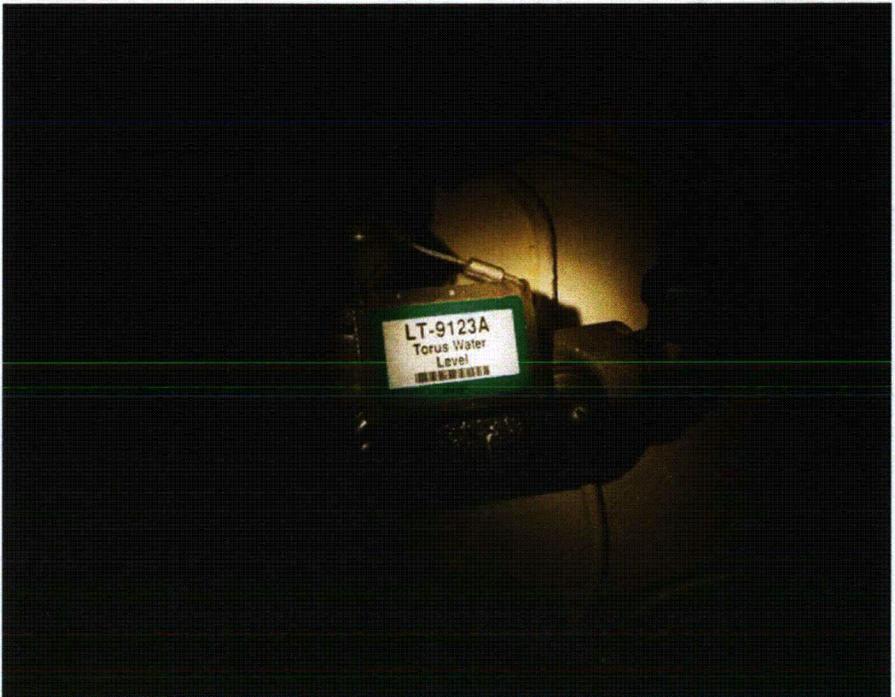
**Other Adverse Conditions**

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

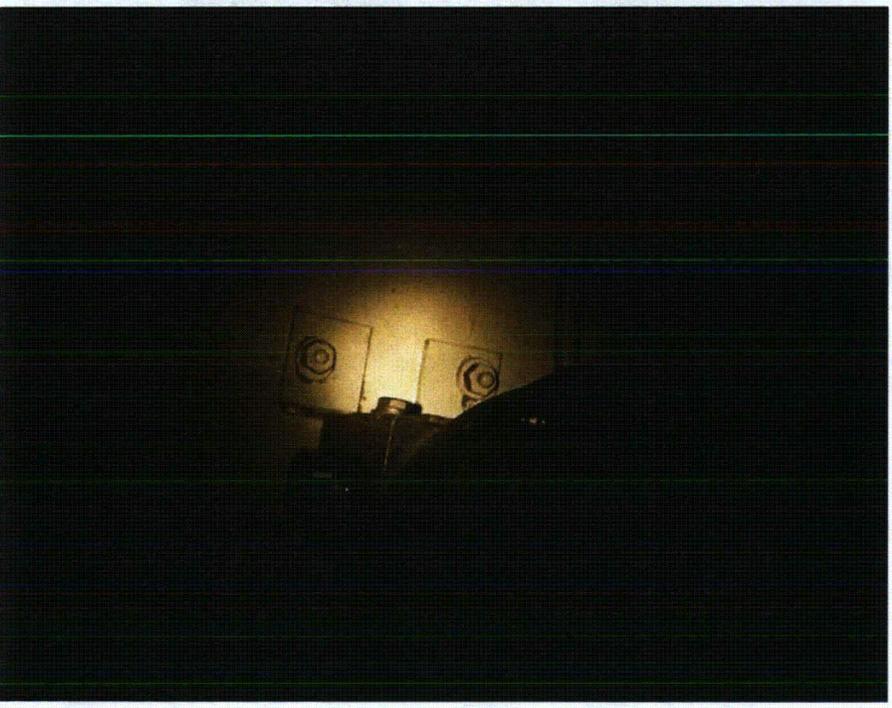
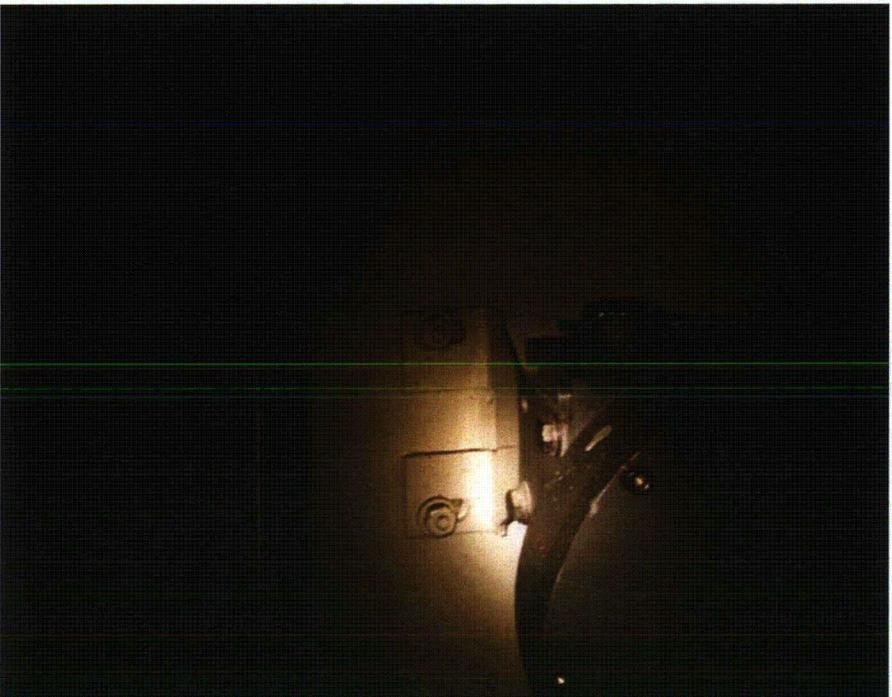
**Comments** (Additional pages may be added as necessary)

*N/A*

Evaluated by: *James Higgins* Date: *9/17/2012*  
*JG* *9/17/2012*



Equipment ID: LT-9123A



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M03-10-013C Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump Torus Suction Valve

Location: Bldg. Reactor Floor El. 91 Room, Area R3-7

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   
*Line is - mounted*
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. M03-10-013C Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump Torus Suction Valve

**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 credible II/I threat. Overhead gratings secured.*

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

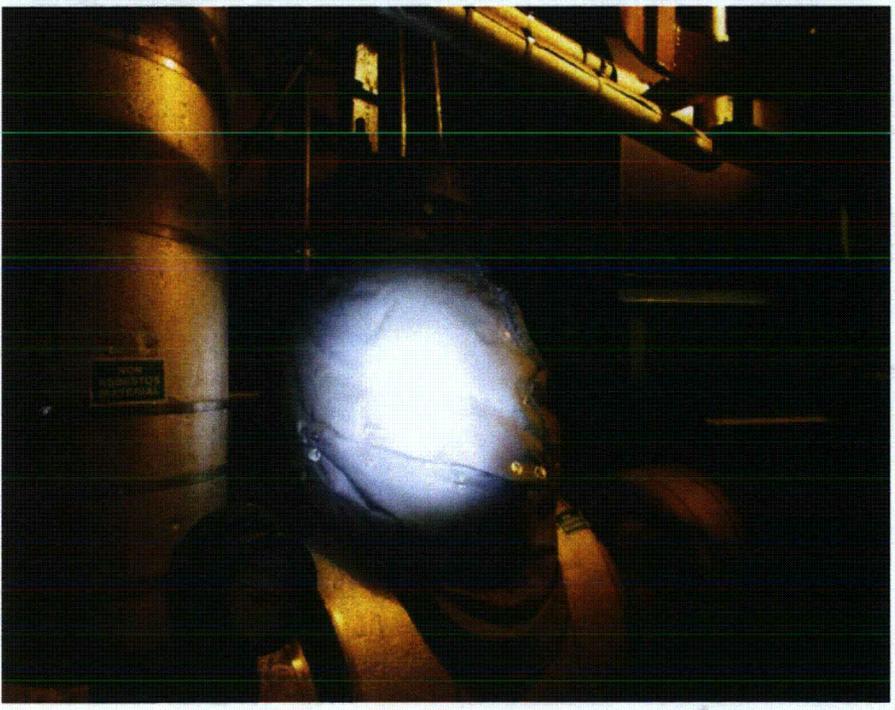
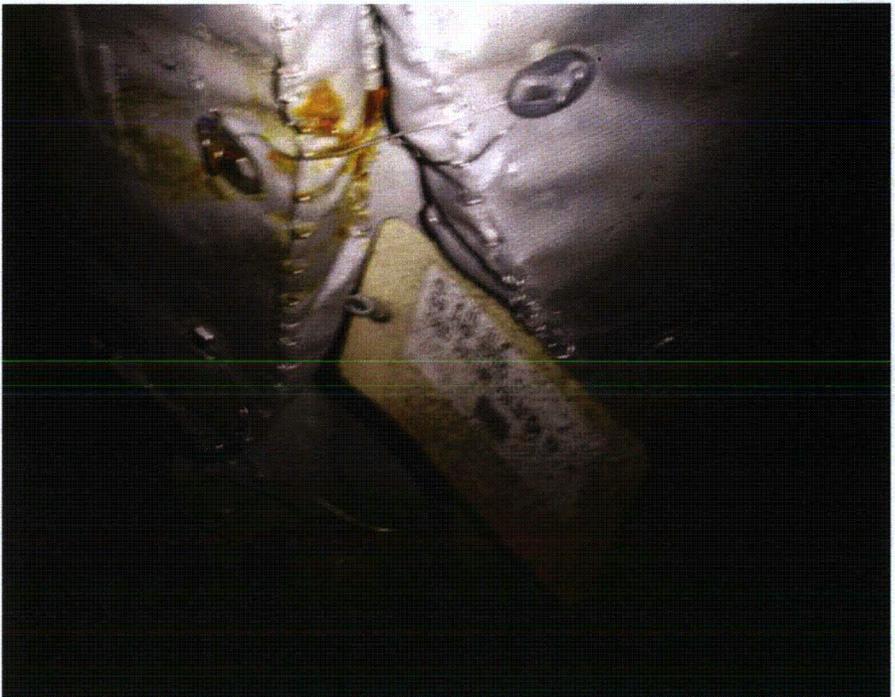
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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: 9/16/12  
*[Signature]* 9/11/12



Equipment ID: MO-3-10-013C



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M03-10-015A <sup>c CBS</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump Shutdown Cooling Suction

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  
*Live Mounted*
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. M03-10-015A<sup>C</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump Shutdown Cooling Suction

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  YES  NO  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?  YES  NO  U  N/A

*No II/I issues identified.*

9. Do attached lines have adequate flexibility to avoid damage?  YES  NO  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  YES  NO  U

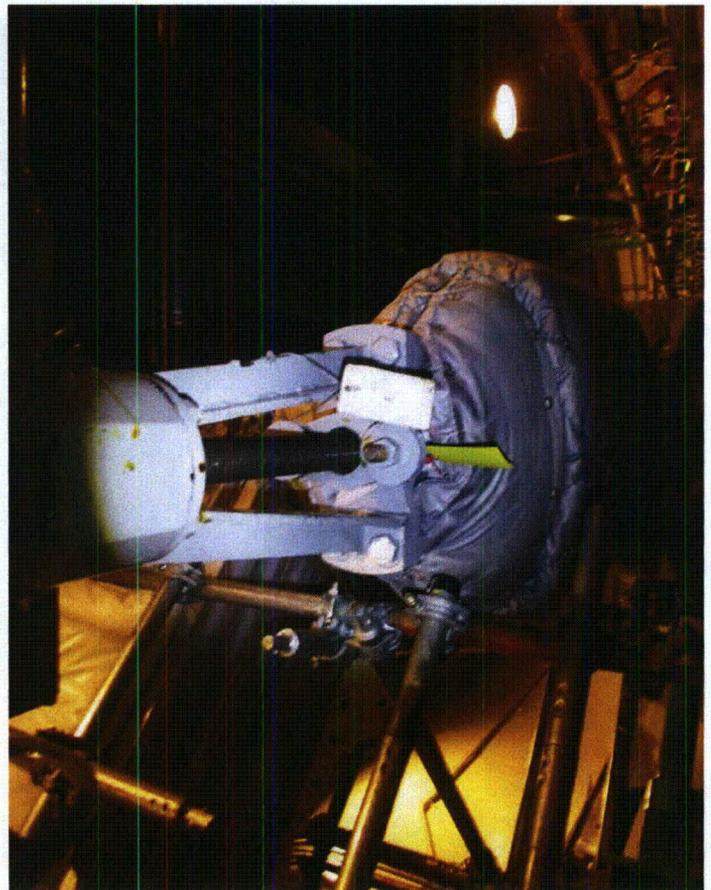
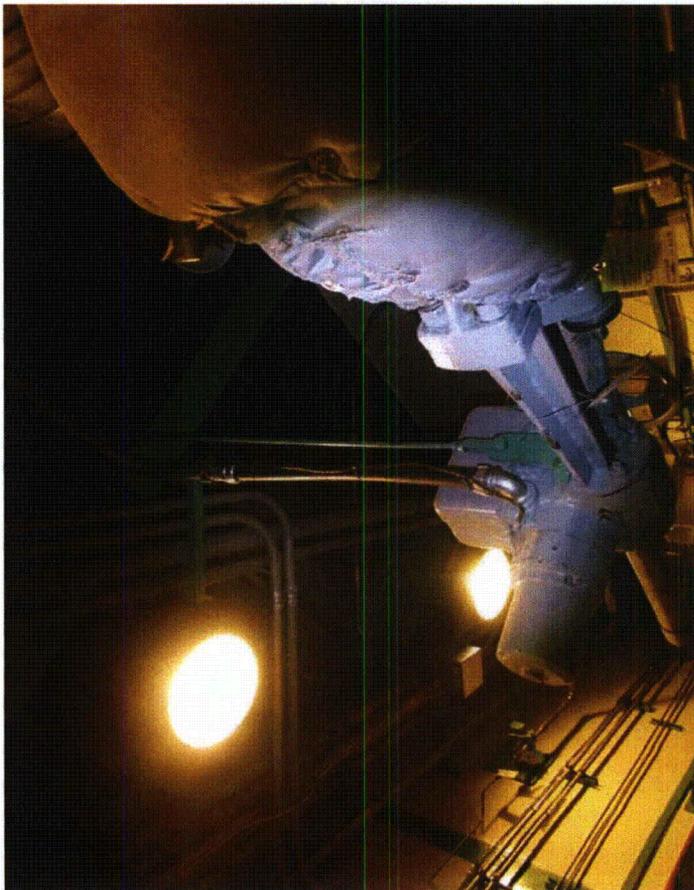
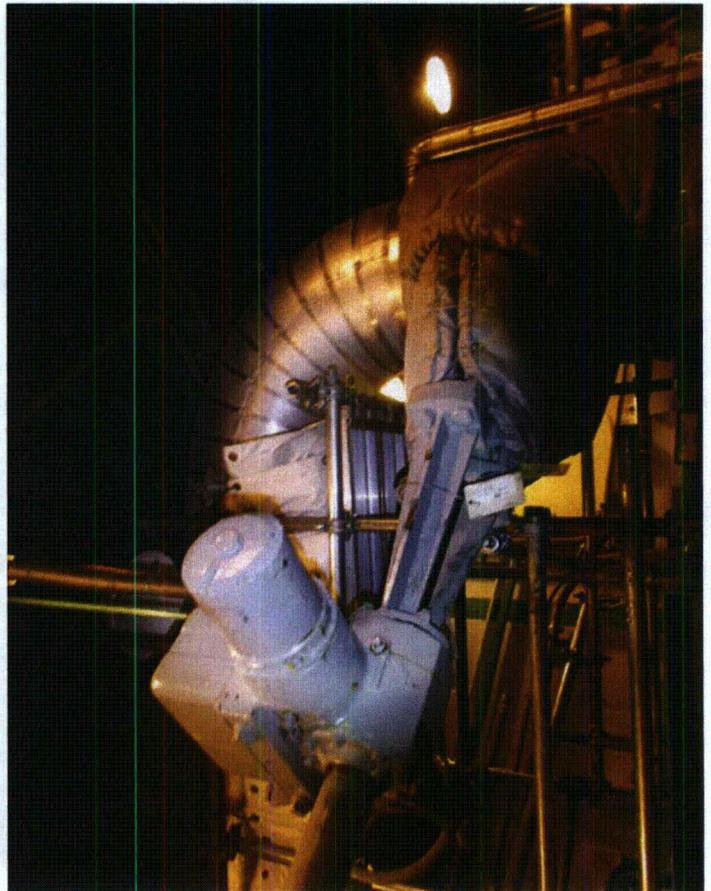
*Nearby scaffolding is secured adequately*

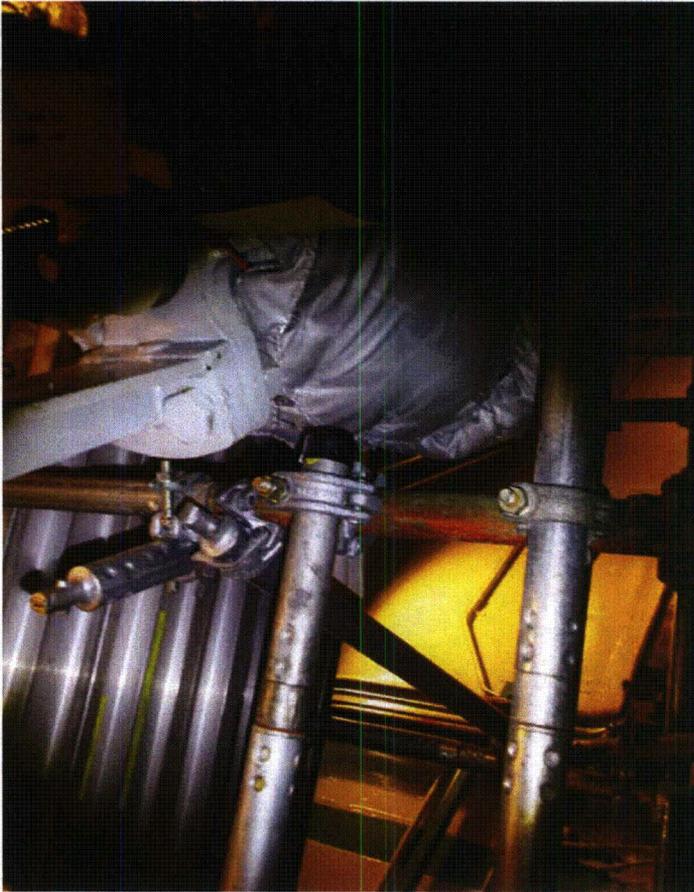
**Other Adverse Conditions**

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

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

Evaluated by: *[Signature]* Date: 9/16/12  
*[Signature]* 9/14/12





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M03-10-89A<sup>C</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR HX HPSW Outlet Valve

Location: Bldg. Reactor Floor El. 116 Room, Area R3-16 BMP 10/8/12

Manufacturer, Model, Etc. (optional but recommended) R3-17

**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   
*Line mounted valve*
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A
5. Is the anchorage configuration consistent with plant documentation?  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y  N  U  N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y  N  U

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

Equipment ID No. M03-10-89AC Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR HX HPSW Outlet Valve

**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 credible I/F issues identified*

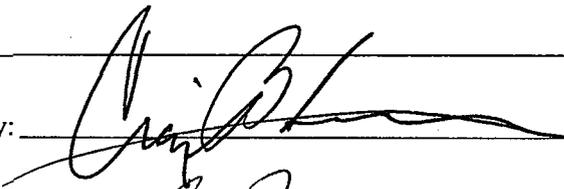
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

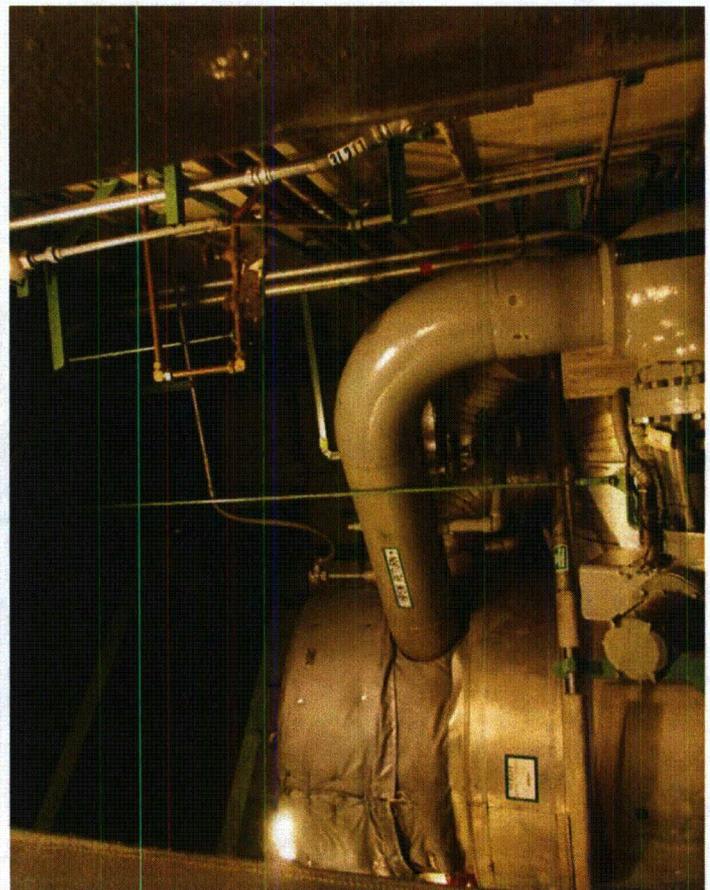
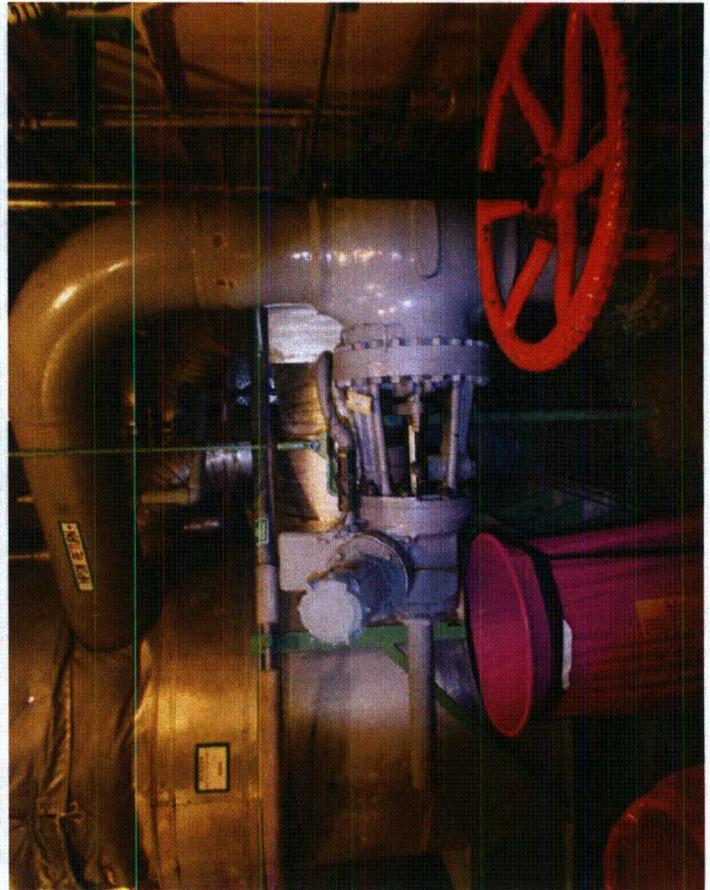
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

**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:  Date: 9/16/12  
Ben Fry 9/12/12



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. MD3-30-3233A Equip. Class<sup>12</sup> 8A - Motor Operated  
 Equipment Description UNIT 3A SLUICE GATE  
 Location: Bldg. Screenhouse Floor El. 116 Room, Area S/H-4  
 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  
 . See Comment #1
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A  
 . See Comment #1
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A  
 . See Comment #1
  
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.)  
 . Matches Dwg. # 6280-C20-10-4 (Rev. 4)
  
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. MO3-30-3233A Equip. Class<sup>12</sup> (8A) Motor Operated Valves  
 Equipment Description Unit 3A Sluice Gate

**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

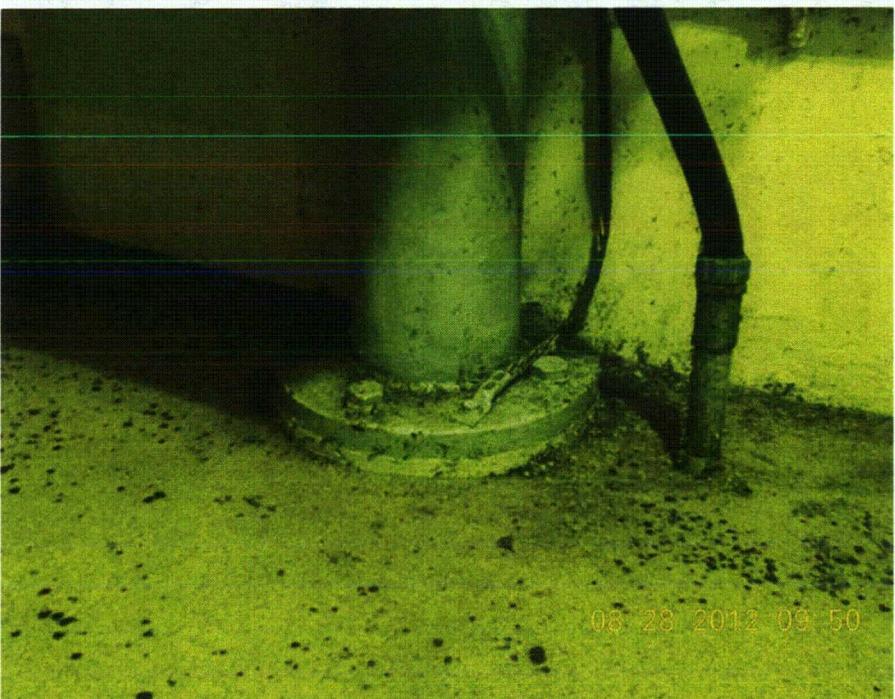
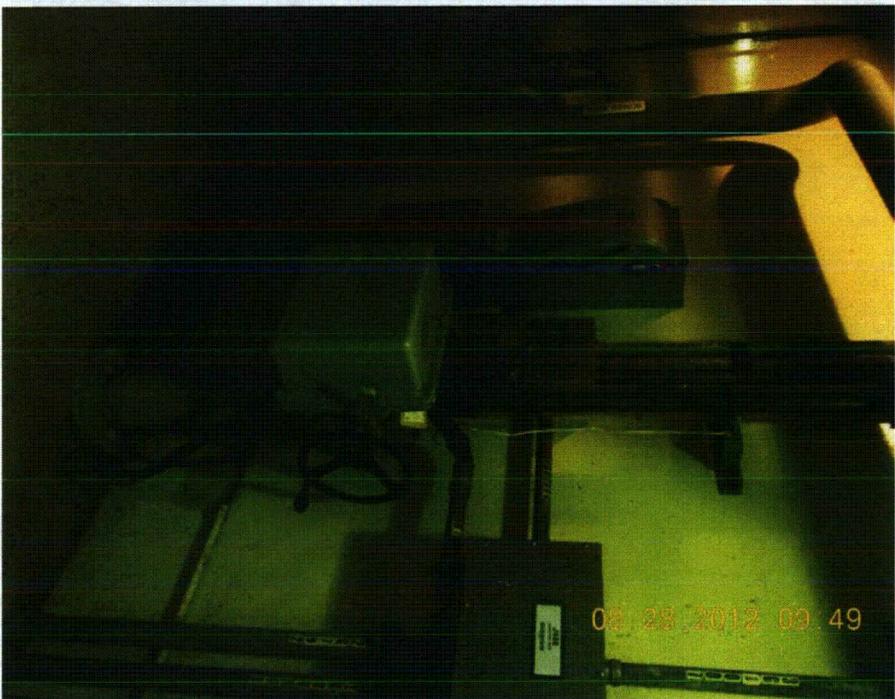
**Other Adverse Conditions**

11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U  
*Clearance between motor and junction box judged acceptable*

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

*ATA gwr 8/31/2012 #1. Evaluation only applies to motor-operator due to inaccessibility of actual sluice gate for visual inspection*

Evaluated by: Janis Higgins Date: 8/28/2012  
XG JH 8/28/2012





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M0-3-32-3803 <sup>BMF 8/27/12</sup> ~~M03-32-3903~~ Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Return Valve to ECT

Location: Bldg. Diesel Generator Building Floor El. 121 Room, Area D/G-2

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  MO 8/28/12
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A  MO 8/28/12
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A  MO 8/28/12  
*valve is line mounted.*
  
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. <sup>MO-3-32-3803 MO</sup> ~~MO-32-3903~~ <sup>10/22/12</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Return Valve to ECT

**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, no credible damage is plausible.  
- 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: *M.oghbaei* Date: 8/28/12

*Ben Fay* 8/29/12



Equipment ID: MO-3-32-3803



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M03-48-3804B Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Bay Inlet Inner Valve

Location: Bldg. Emergency Floor El. 114 Room, Area ECT-1  
Cooling Towers (Valve pit)

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  
*Line mounted equipment.*
  
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. M03-48-3804B Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Bay Inlet Inner Valve

**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  
*Lighting properly secured with closed S-hooks  
 It is not credible for falling fluorescent bulbs to damage equipment.*

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

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

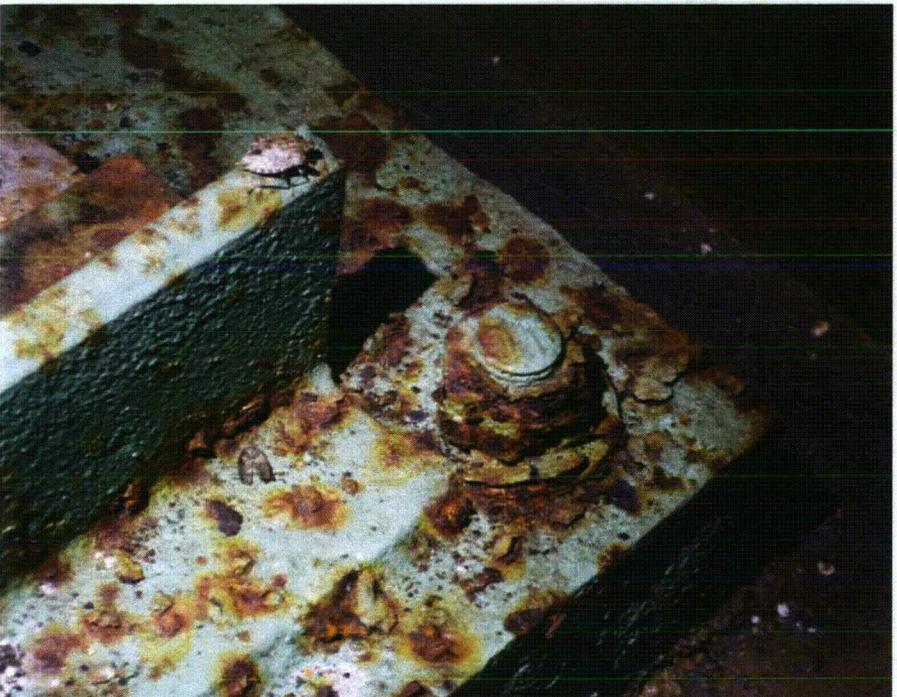
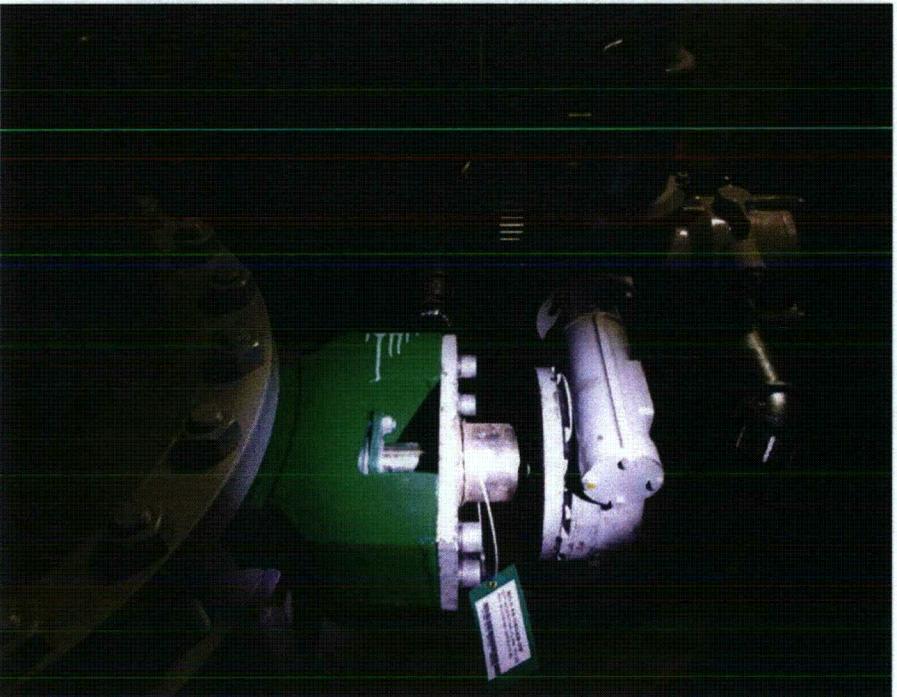
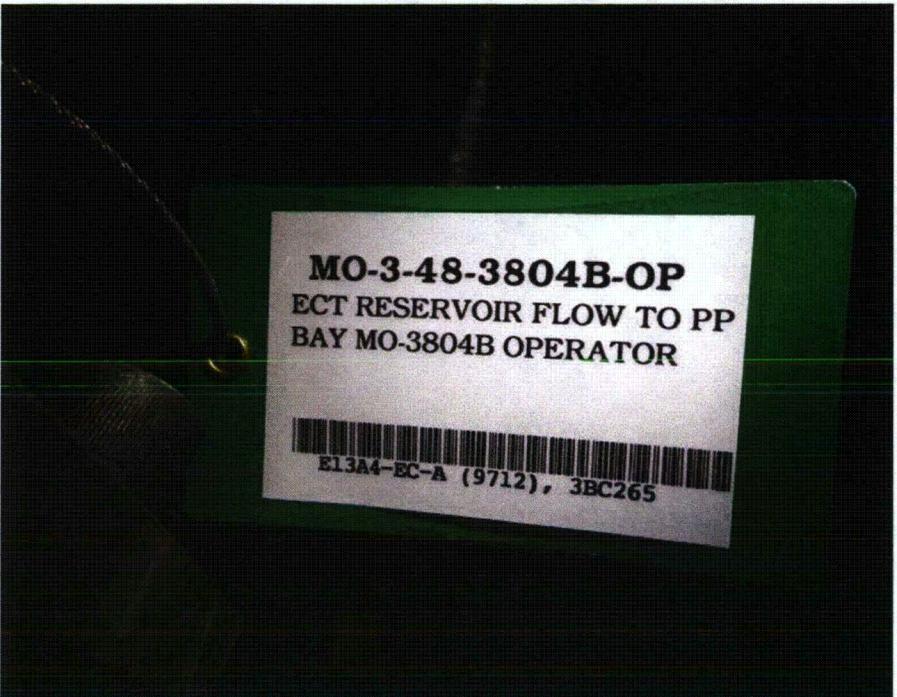
**Other Adverse Conditions**

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

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

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

*Bar Juy* *8/29/12*





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. MO-3-10-013A *CB* CV3-10-3677A Equip. Class<sup>12</sup> (08a) Motor Operated Valves  
 Equipment Description Torus Section *CB* RHR Pump Discharge Control Valve *A*  
 Location: Bldg. Reactor B 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  U  
*Line Mounted*
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. CV3-10-3677A *CB* Equip. Class<sup>12</sup> (08a) Motor Operated Valves  
*70-3-10-013A*

Equipment Description RHR Pump Discharge Control Valve *A*  
*Torus Section*

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  YES  NO  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?  YES  NO  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  YES  NO  U  N/A

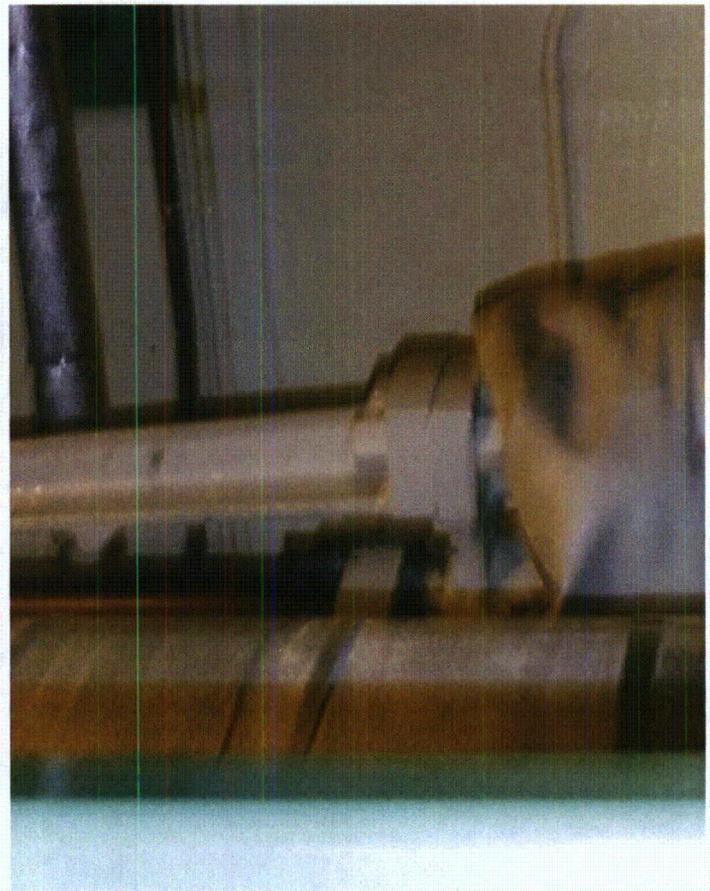
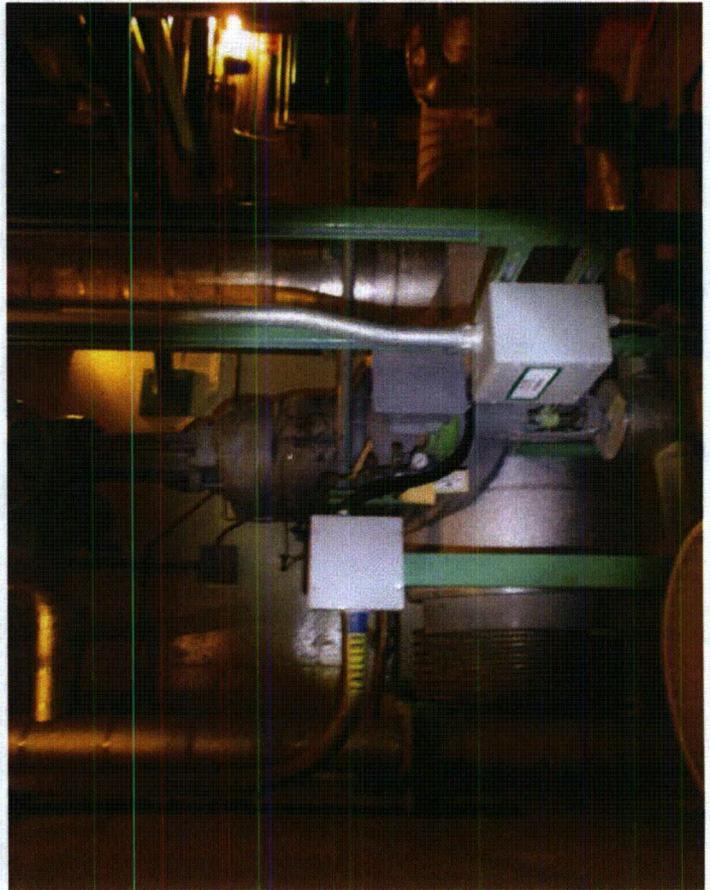
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  YES  NO  U

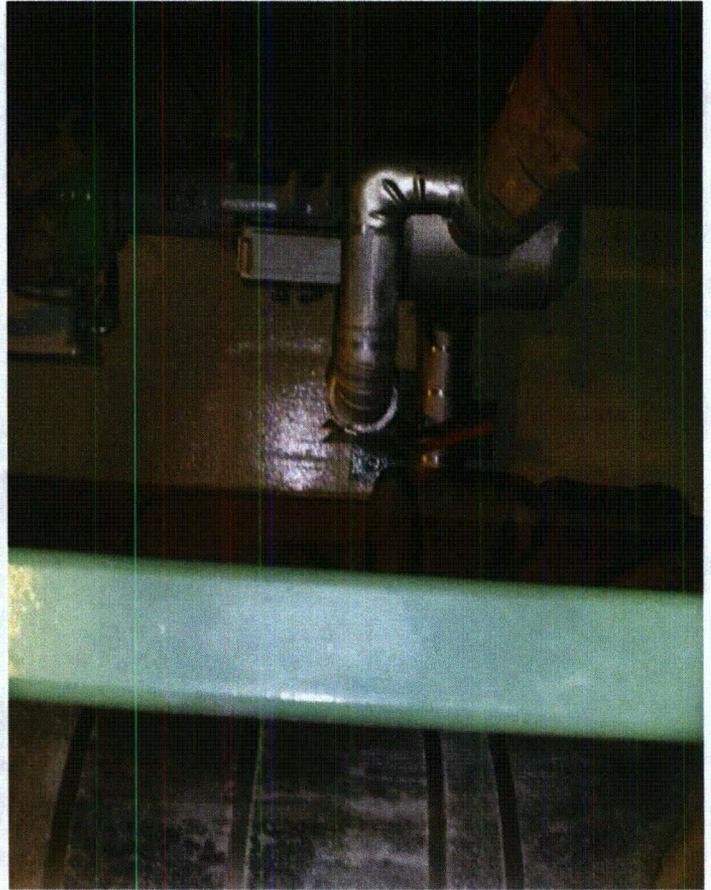
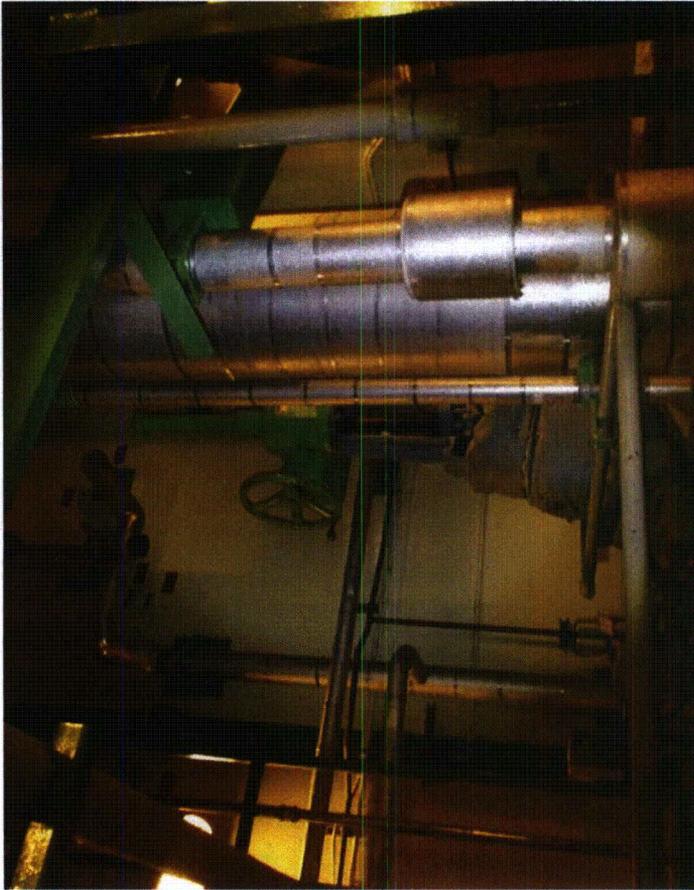
**Other Adverse Conditions**

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

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

Evaluated by: *Chris Blum* Date: *9/11/12*  
*Ben Fry* *9/11/12*





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. POD-3-40H-30223-03 <sup>MO 10/23/12</sup> Equip. Class<sup>12</sup> (10) Air Handlers  
 Equipment Description HPSW Pump Room A Loop Supply Damper  
 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  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  
Mounted to structural steel, attached by welds
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. 3 ~~PO20223-3(2)~~ <sup>gmv 8/29/2012</sup> Equip. Class<sup>12</sup> (10) Air Handlers  
POD-3-40H-30223-03 <sup>MO 10/23/12</sup>  
Equipment Description HPSW Pump Room A Loop Supply Damper

**Interaction Effects**

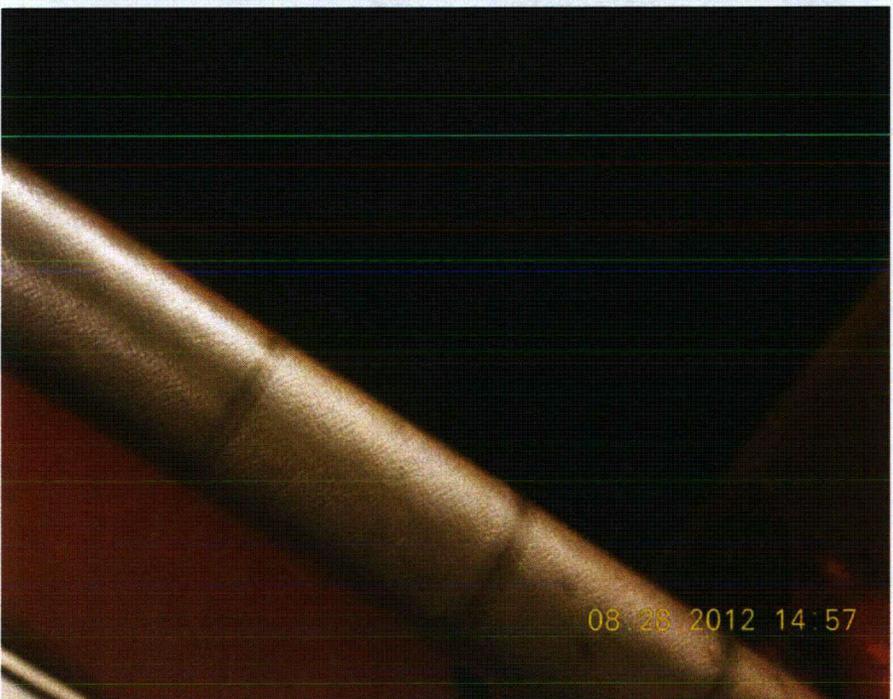
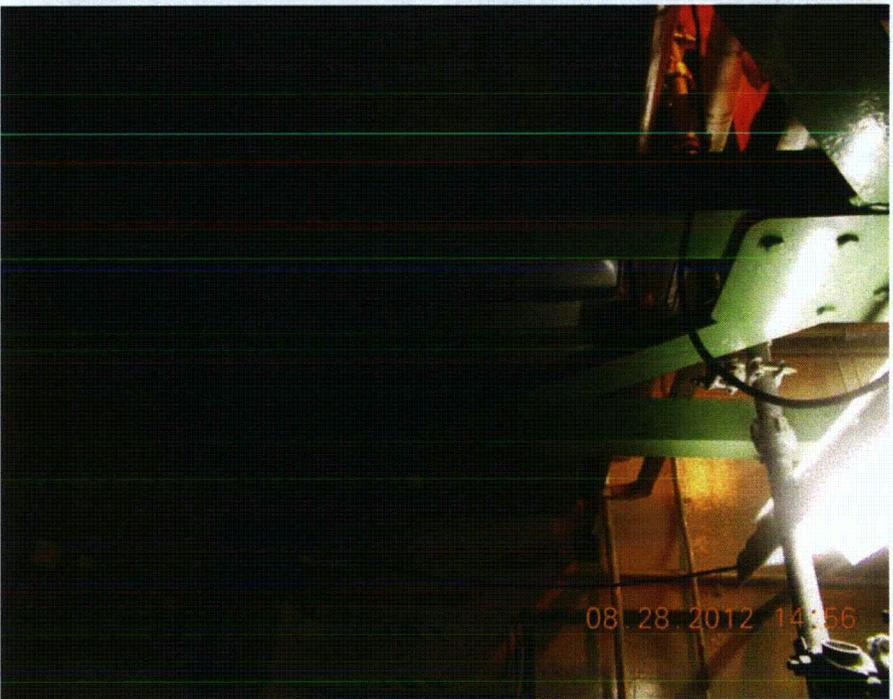
- 7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  
*. No soft targets*
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A  
~~No overheads~~ *gmv 8/29/2012*
- 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

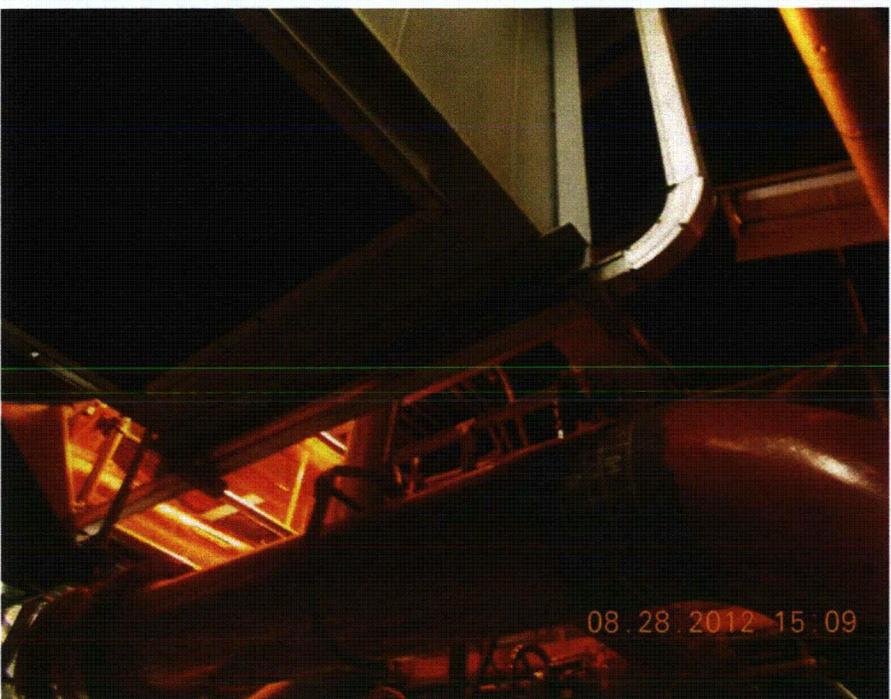
**Other Adverse Conditions**

- 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: Tubing routed through protective enclosure mounted to damper support frame and is protected from contact with conduit. KB 9/11/2012*

Evaluated by: James Miggins Date: 8/29/2012  
JK gls 8/29/2012





**Seismic Walkdown Checklist (SWC)**

POD-3-40H-30223-04 <sup>Mo</sup> 10/23/12  
 Equipment ID No. ~~PO 30223-4~~ Equip. Class<sup>12</sup> (10) Air Handlers  
 Equipment Description HPSW Pump Room B Loop Exhaust Damper  
 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   
 • No positive connection between damper and support frame; based on flexibility of trapeze style support, unit judged to move with supports in a seismic event; no concern
  
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.

POD-3-40H-30223-04 MO  
Equipment ID No: ~~PO-30223-4~~ 10/23/12 Equip. Class<sup>12</sup> (10) Air Handlers  
Equipment Description HPSW Pump Room B Loop Exhaust Damper

**Interaction Effects**

- 7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A   
No soft targets
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A
- 9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

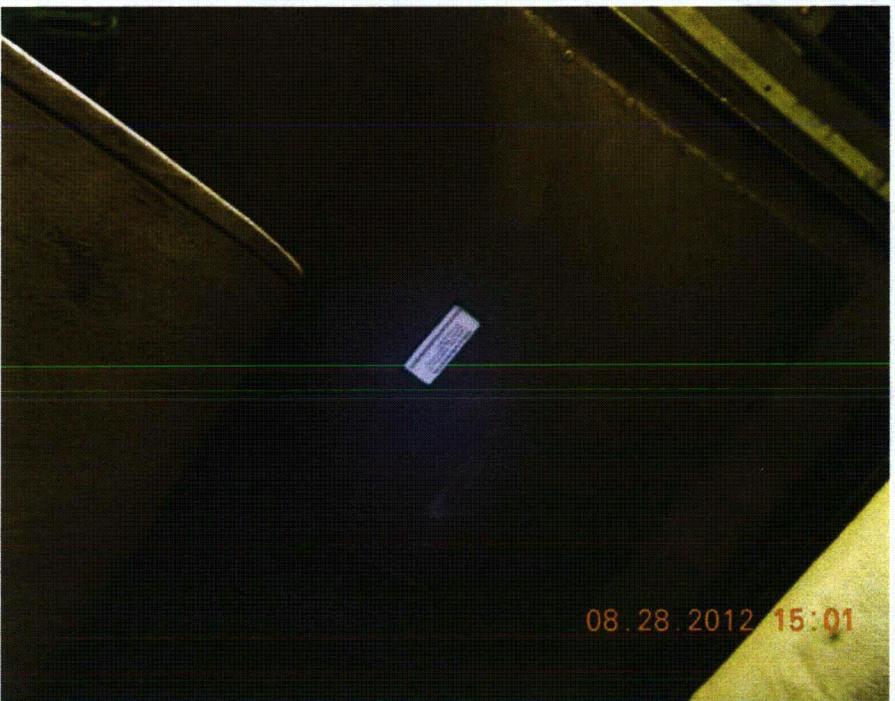
**Other Adverse Conditions**

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

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

IPEEE: Tubing routed through protective enclosure mounted to damper support frame and is protected from contact with conduit. <sup>KG 9/11/2012</sup>

Evaluated by: James Wiggins Date: 8/31/2012  
DC JK 8/31/2012



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PI3-6-90A Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Reactor Wide Range Pressure Indicator

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
  
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. PI3-6-90A Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Reactor Wide Range Pressure Indicator

**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

*MCR ceiling consistent with Calc 26-5/Z-12, Revision 0, Calc G-106-1 could not be located. See ER 01428651.*

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: 10/19/12  
*M. Ojhae* 10/19/12



**Seismic Walkdown Checklist (SWC)**

*BME 10/19/12*

Equipment ID No. PR/RR PR3-2-3-404B Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Reactor Pressure / Drywell Gas Recorder <sup>MD</sup> 10/31/12

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
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. PR/RR BMF 10/19/12 ~~PR3-2-3-404B~~ Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Reactor Pressure / Drywell Gas Recorder <sup>MO</sup> 10/31/12

**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

*MCR ceiling consistent with Calc 26-S/2-12, Revision 0.  
Calc G-106-1 could not be located. See IR 01428651.*

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

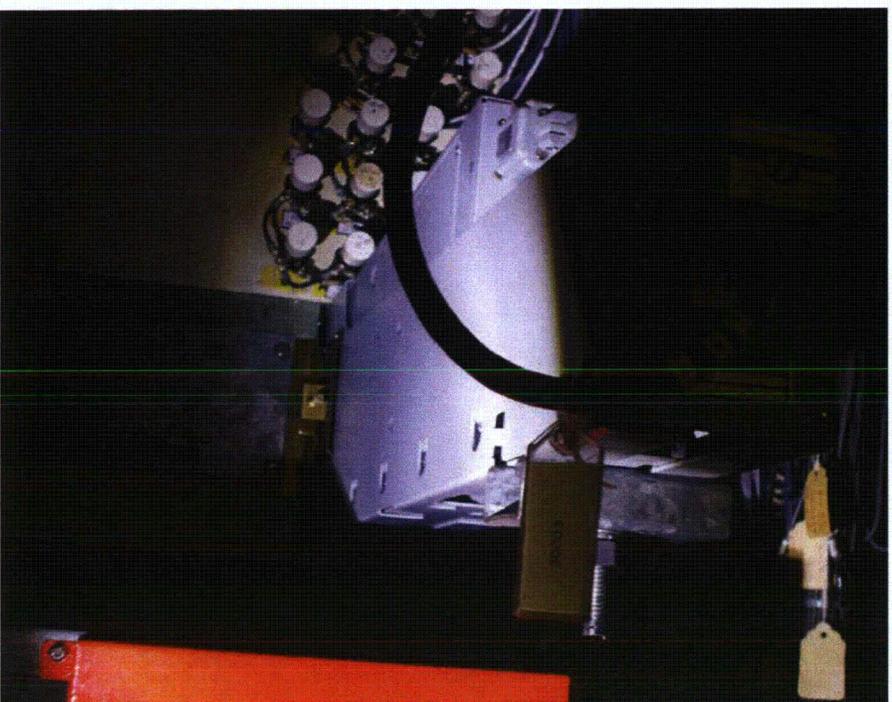
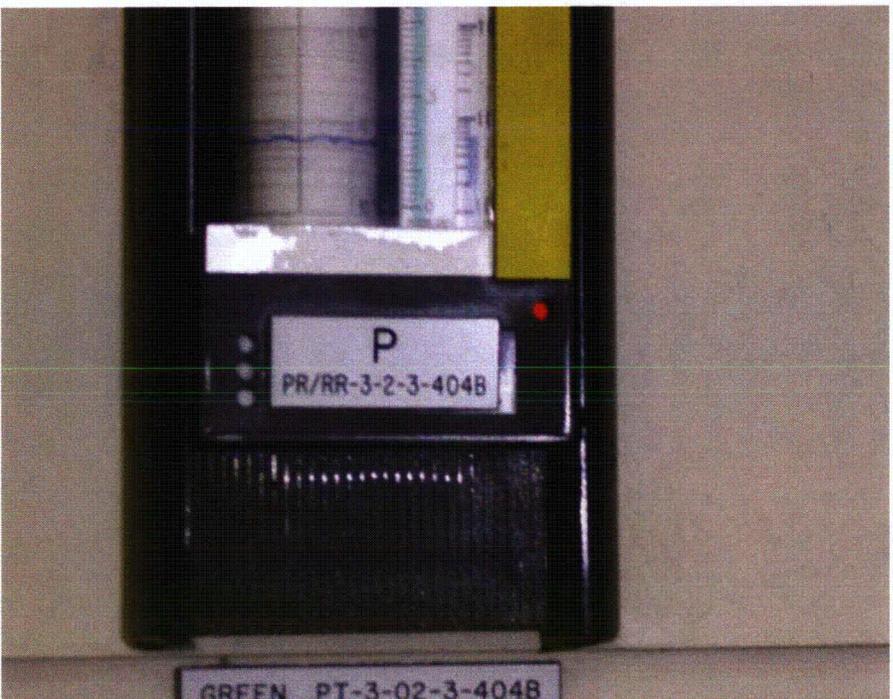
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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: 10/19/12  
*M. Oshbani* 10/19/12



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PR/TR-5805 <sup>AMF 10/19/12</sup> ~~PR-5805~~ Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Containment Pressure/Temp. <sup>MO 10/31/12</sup>

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
  
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 cabinet.*
  
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. PR-5805 <sup>PR/TR-5805</sup> <sup>BMF</sup> <sup>10/19/12</sup> Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Containment Pressure/Temp. <sup>MO</sup> <sup>10/31/12</sup>

**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

*MCR ceiling consistent with Calc 26-S/2-12, Revision 0. Calc G-106-1 could not be located. See IR 01428651.*

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

*No attached lines. MO. 8/21/12*

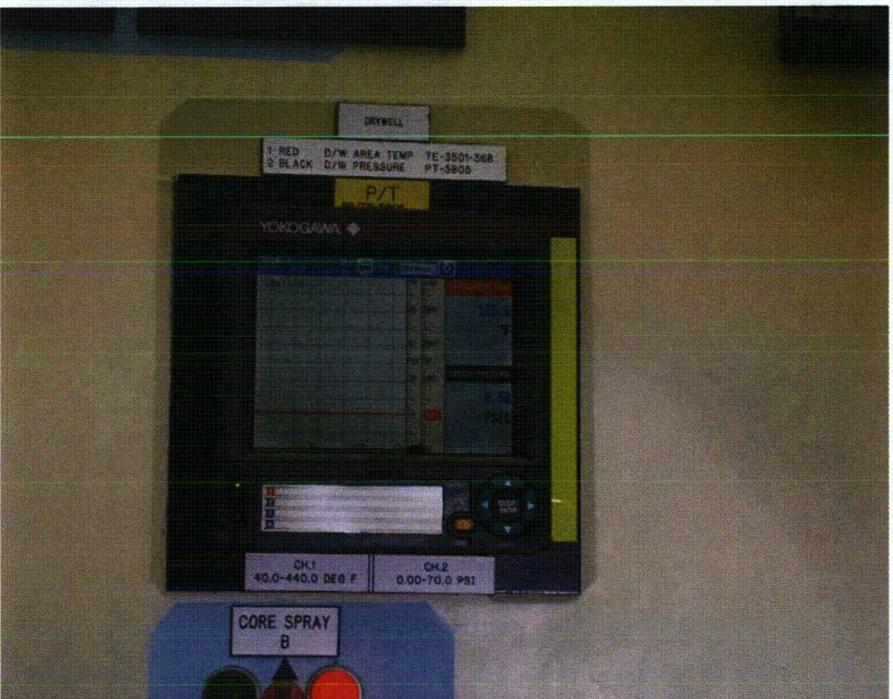
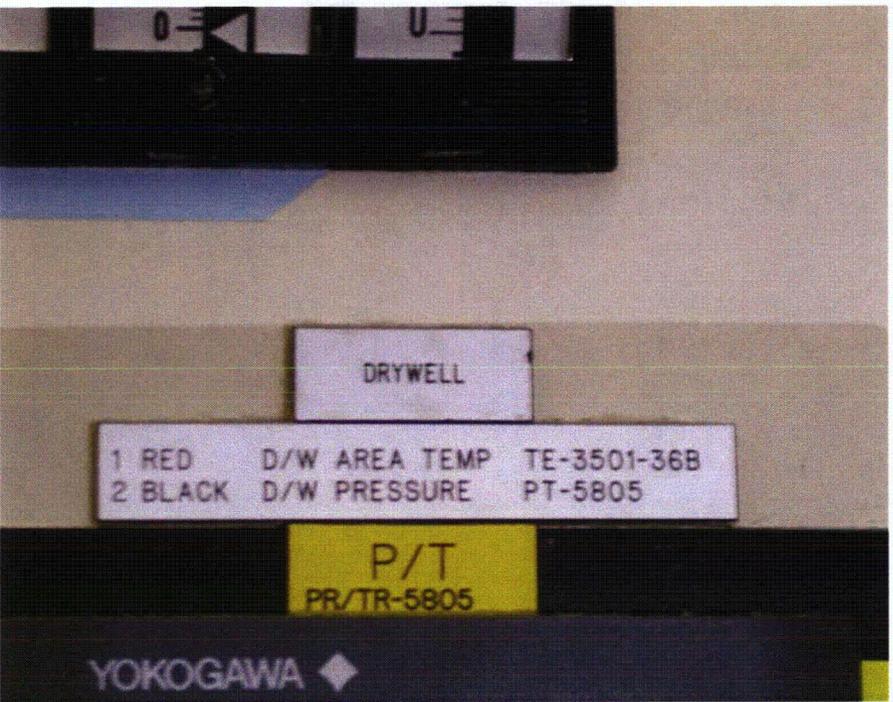
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

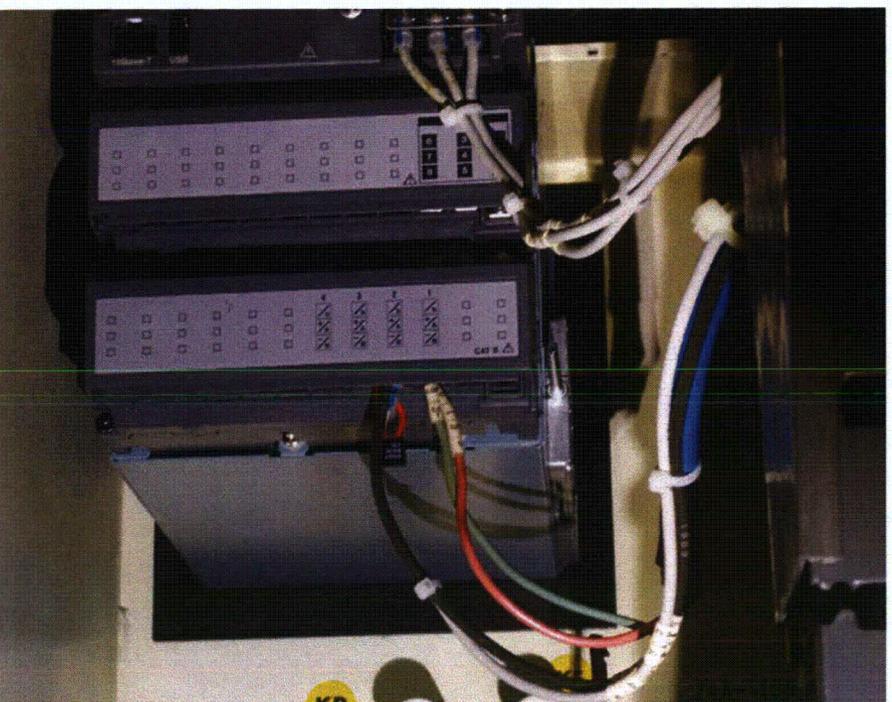
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

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

Evaluated by: *Ger Fy* Date: 10/19/12  
*N. Oghbaei* 10/19/12



Equipment ID: PR/TR-5805



Peach Bottom Atomic Power Station Unit 3  
MPR-3812, Revision 3  
Correspondence No. RS-12-173

C-279

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PS30224-2 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description HPSW Pump Room B Loop Pressure Switch

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
  
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. PS30224-2 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description HPSW Pump Room B Loop Pressure 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

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**

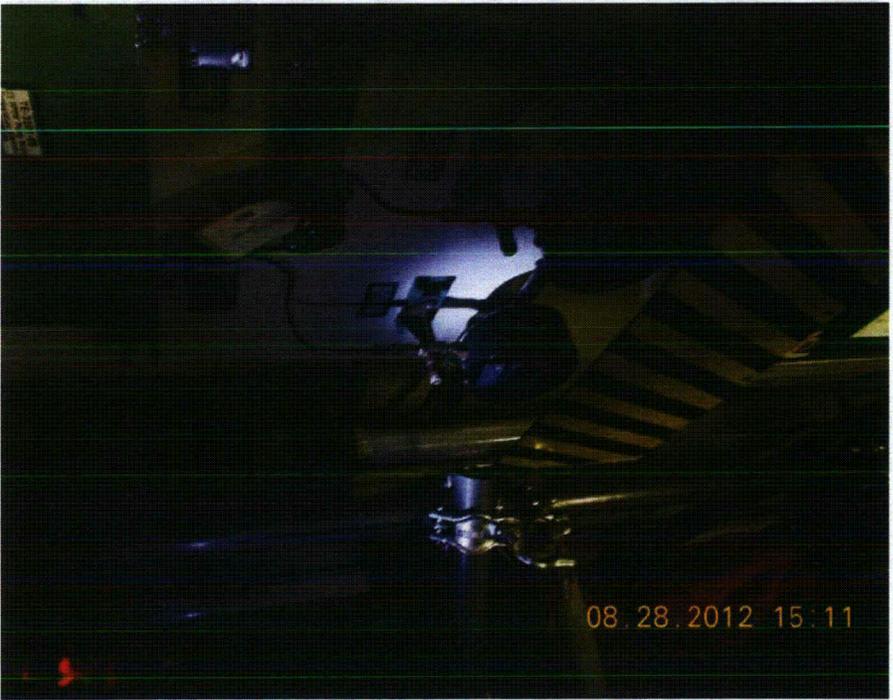
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

*Nearby scaffolding securely built*

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

*N/A*

Evaluated by: *James Wiggins* Date: *9/17/2012*  
*7E Jt* *9/17/2012*



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PT3-2-3-404A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Pressure Transmitter

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

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

Equipment ID No. PT3-2-3-404A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Pressure Transmitter

**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

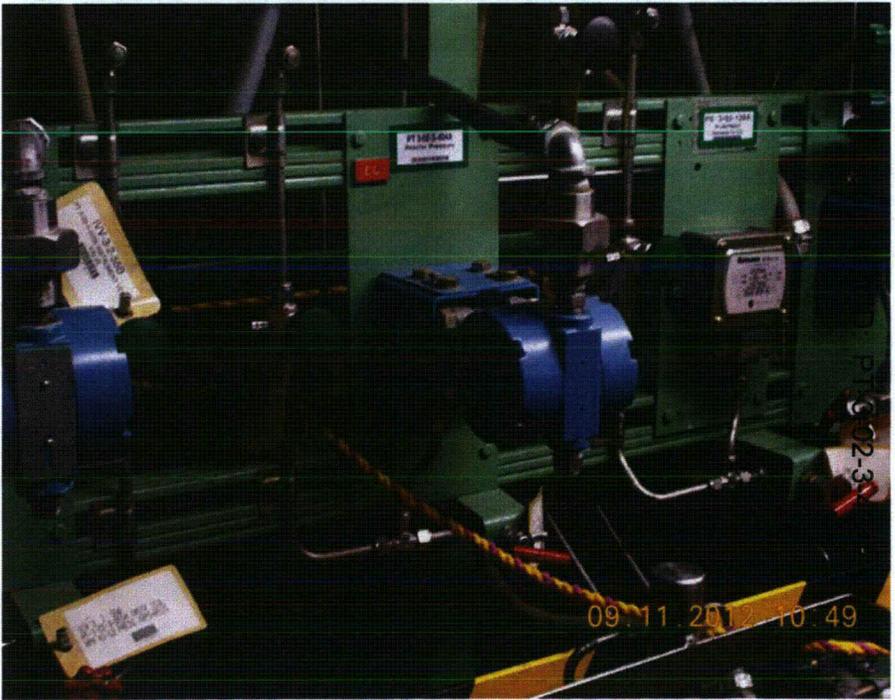
**Other Adverse Conditions**

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: *James Wiggins* Date: *9/17/2012*  
*K. G. G.* *9/17/2012*



Equipment ID: PT-3-02-3-404A

### Seismic Walkdown Checklist (SWC)

Equipment ID No. PT3-6-53A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Wide Range Pressure Transmitter

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

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

Equipment ID No. PT3-6-53A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Reactor Wide Range Pressure Transmitter

**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

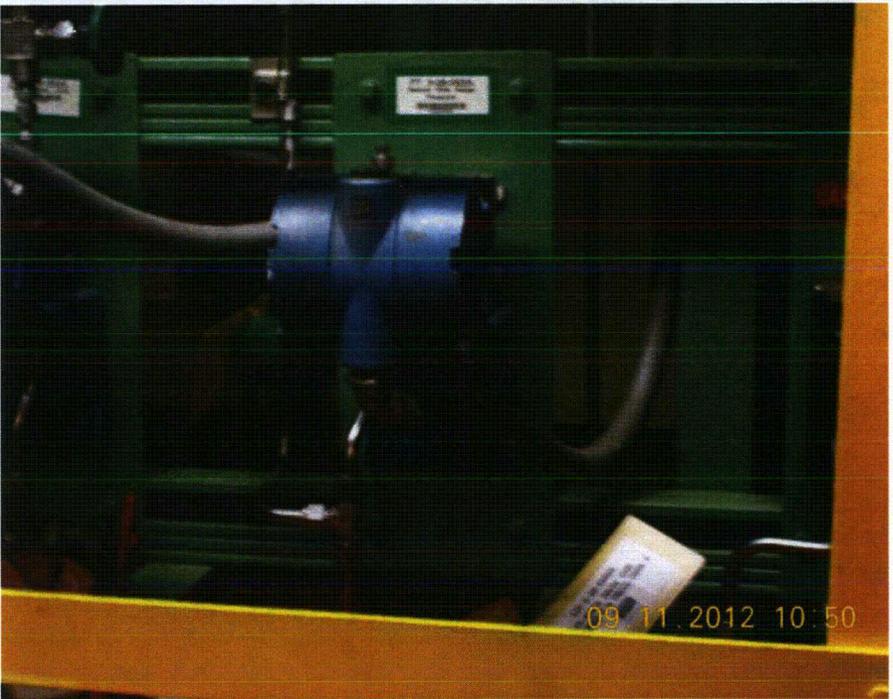
**Other Adverse Conditions**

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: *James W. Quinn* Date: *9/17/2012*  
*X. G.* *9/17/2012*



Equipment ID: PT-3-06-053A

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PT-5805 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Drywell Pressure Transmitter

Location: Bldg. Reactor Floor El. 116 Room, Area R3-21

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  
*Friction connection to carry deadweights judged to be 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?  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. PT-5805 Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Drywell Pressure Transmitter

**Interaction Effects**

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

*The Instrument is target but no credible H/I threats.*

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

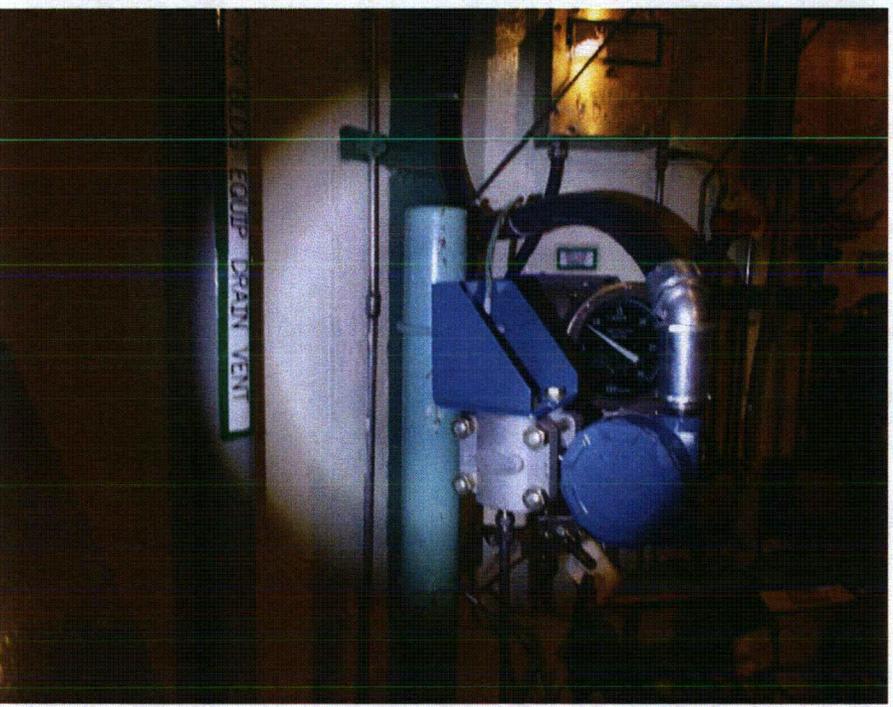
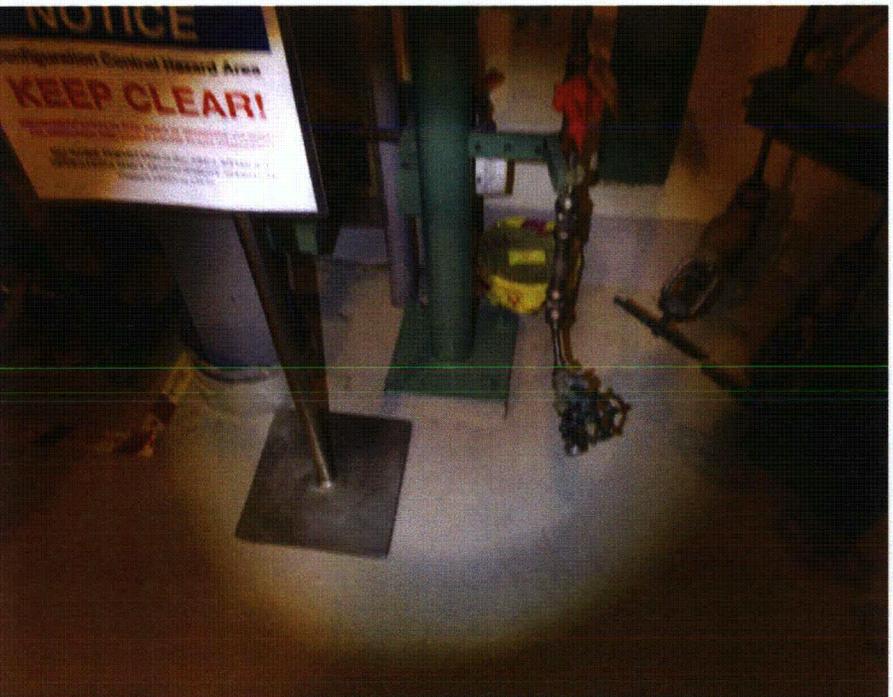
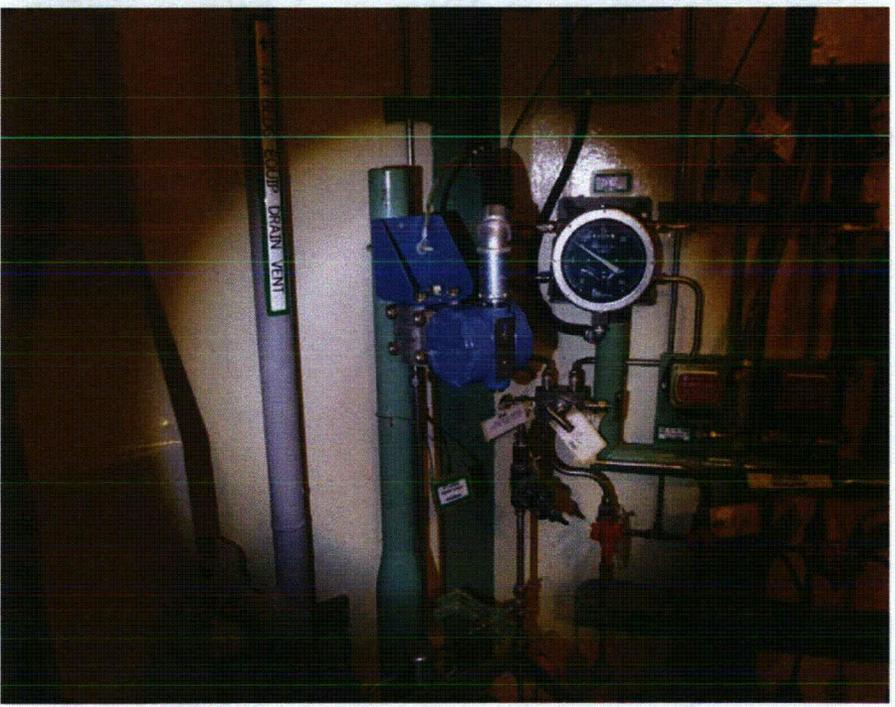
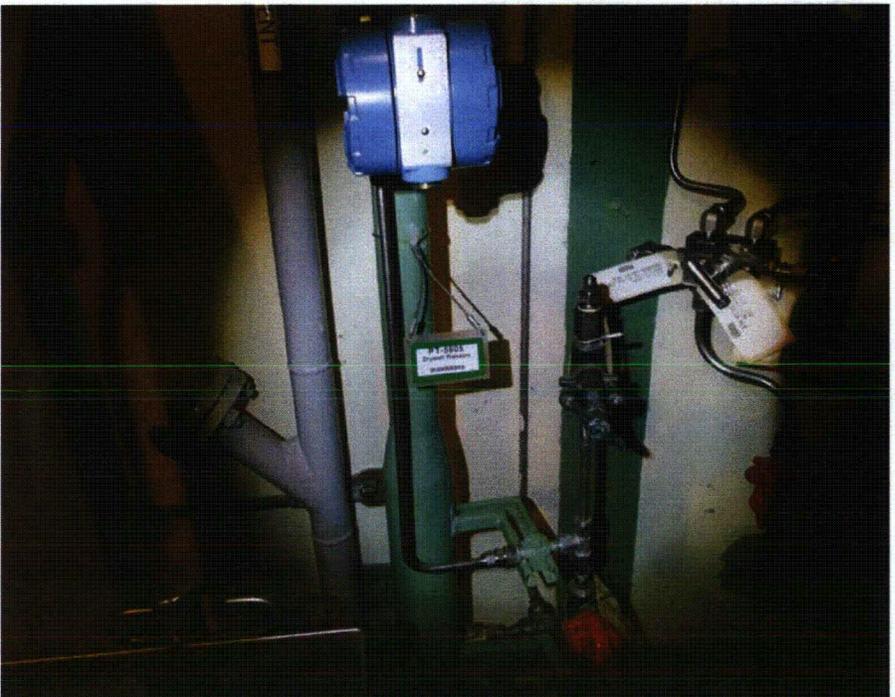
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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*  
*Ray B...* *9/25/12*



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. RV3-23-034 Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves

Equipment Description HPCI Pump Suction Header Relief Valve

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  
*Line-mounted*
  
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. RV3-23-034 Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves

Equipment Description HPCI Pump Suction Header Relief Valve

**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

*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

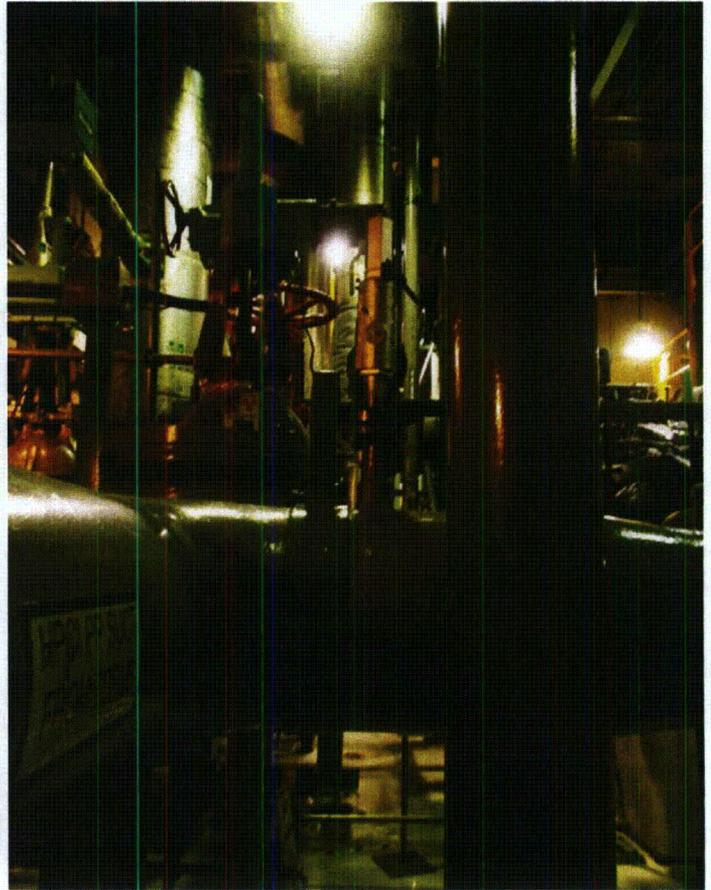
**Other Adverse Conditions**

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 Wiggins* Date: *9/10/2012*  
*KE Ge* *9/10/2012*



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 33 ~~SV3-3-32A~~ Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

Location: Bldg. Reactor B Floor El. 135 Room, Area R3-22 R3-22

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_  
*Buy 4/12/12*

**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  U  
*Verified per Dwg. 6280-M-1736, Rev. 3*
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*NE bolt from SV to steel is missing. IR 01413655  
 Not an operability concern because other bolts are sufficient based on judgement.*
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.)  
*Except IR 01413655*
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. SV3-3-32A <sup>33</sup> *BMC 9/25/12* Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

**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 identified*

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

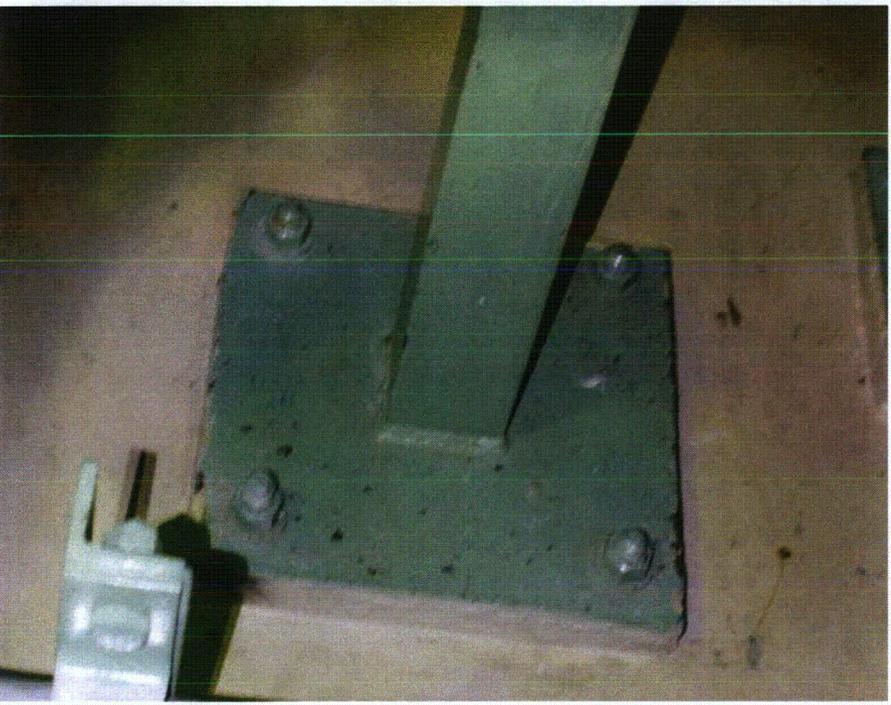
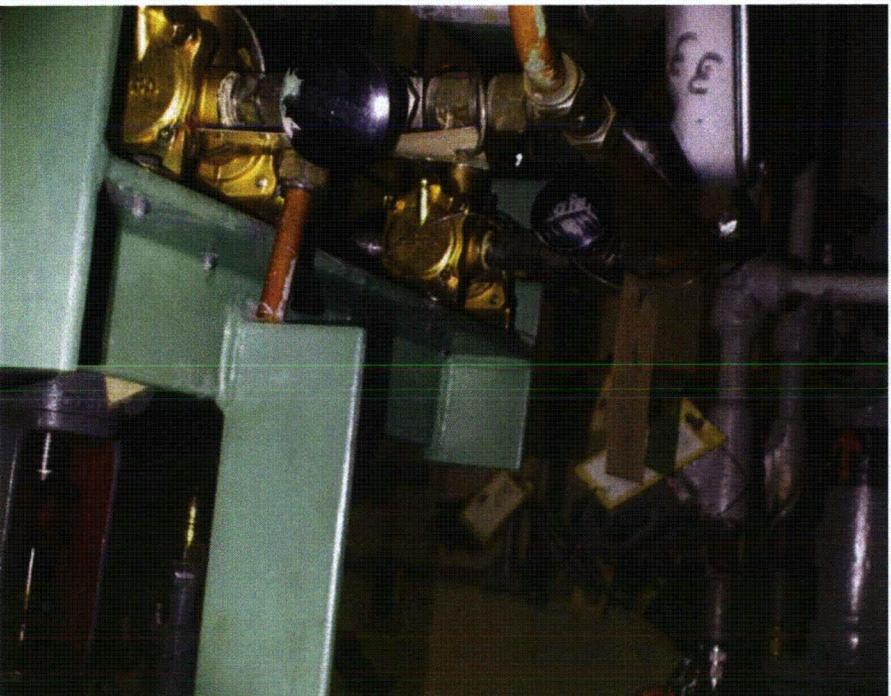
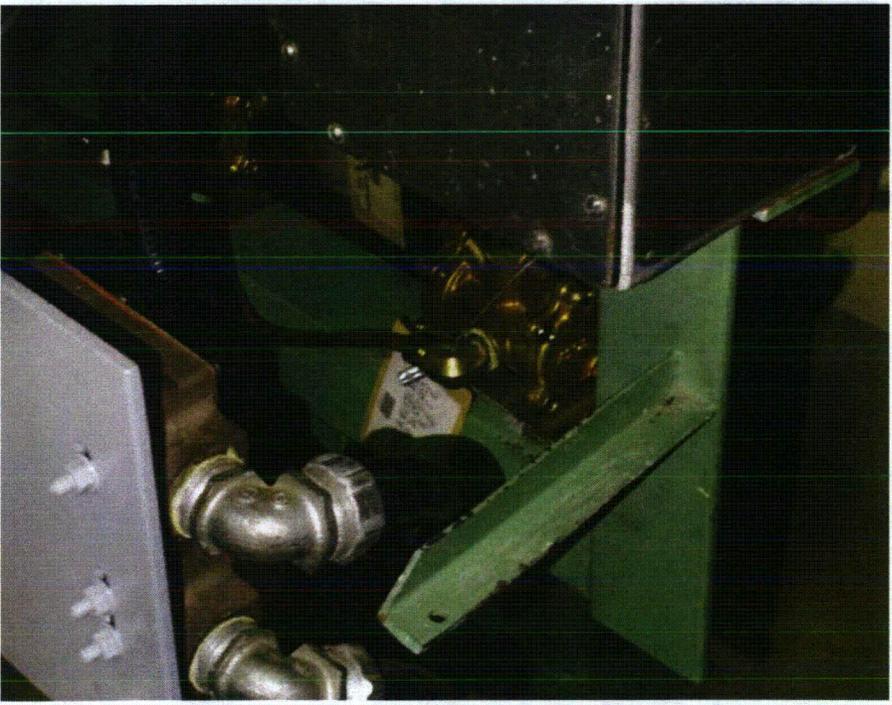
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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: *Ben Fry* Date: *9/25/12*  
*[Signature]* *9/25/12*



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. SV3-3-35B <sup>36 CBS</sup> Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

Location: Bldg. Reactor Floor El. 135 Room, Area R3-22 <sup>R3-23 CBS</sup>

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 6280-M-1736 R3
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. SV3-3-<sup>36</sup>25B Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

**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/III concerns identified*

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

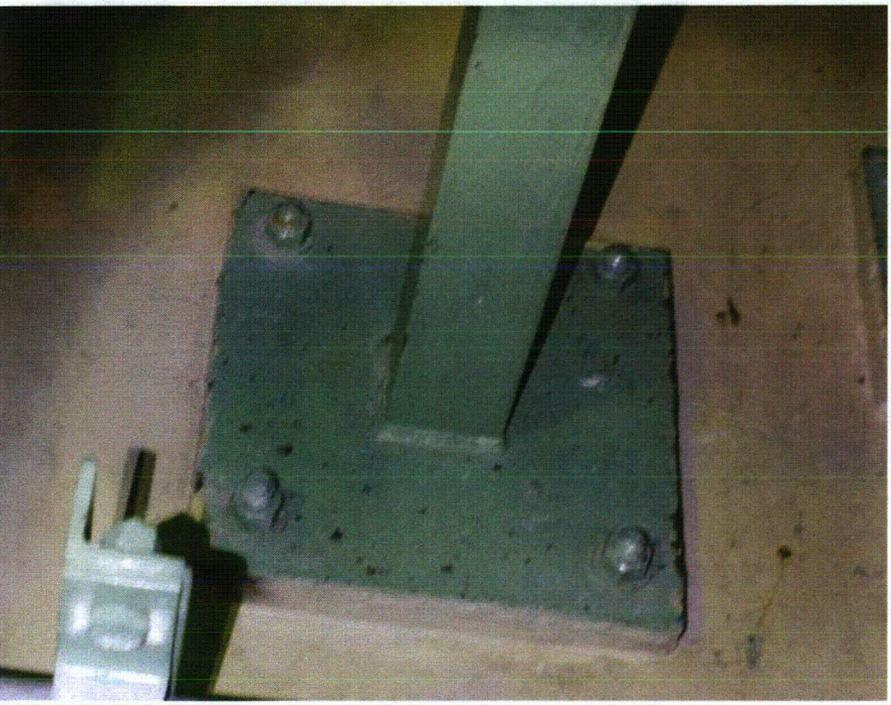
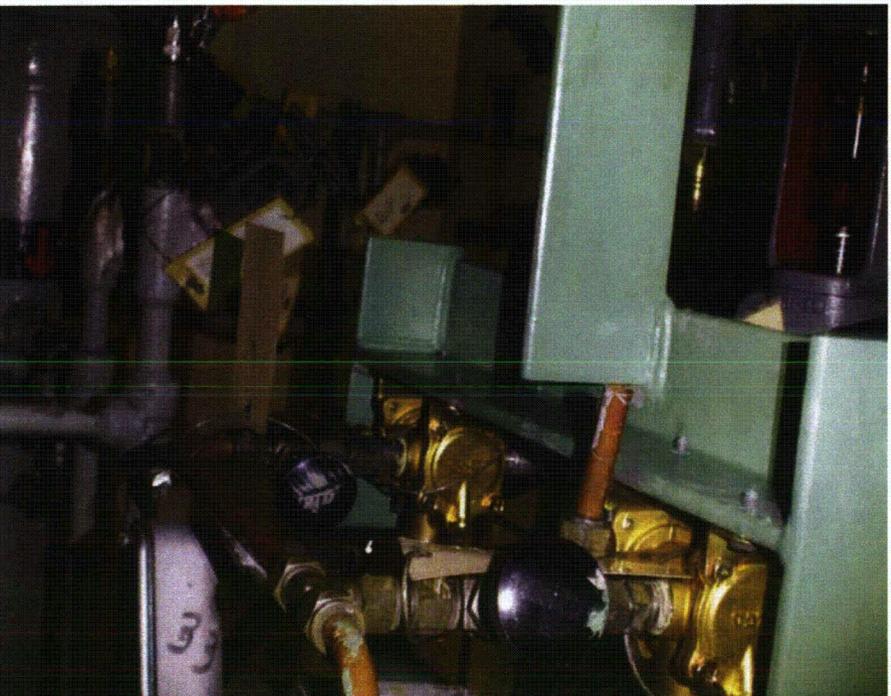
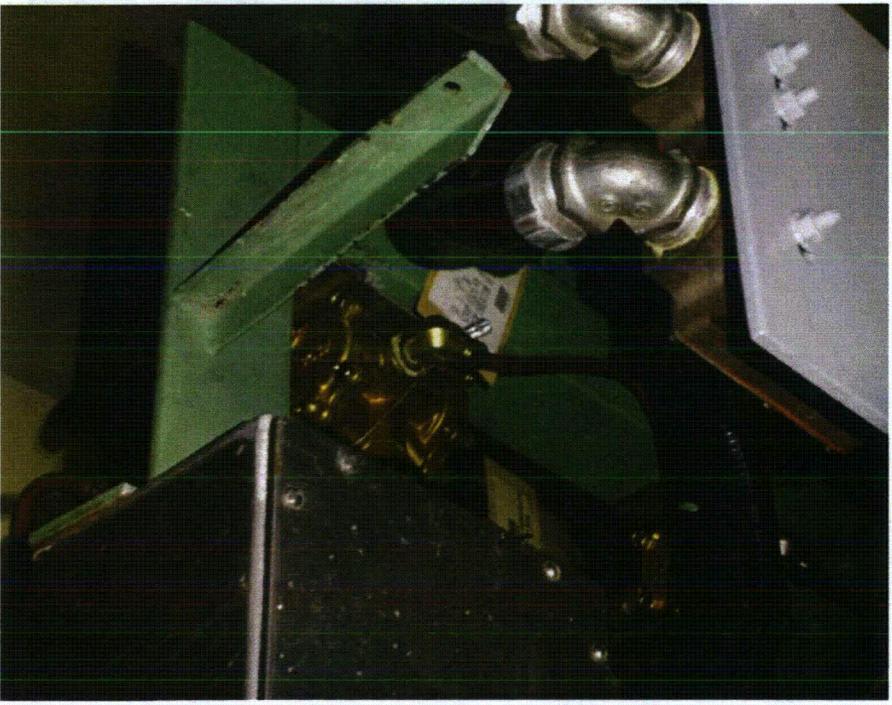
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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: 9/12/12  
*[Signature]* 9/12/12



**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 0AG12 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 B061) 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**

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  
*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*

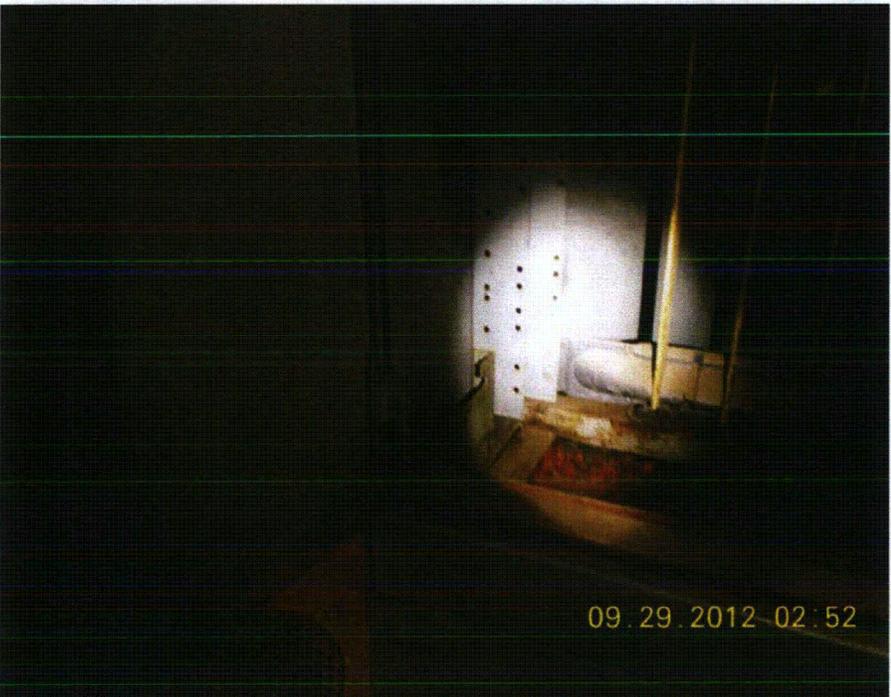
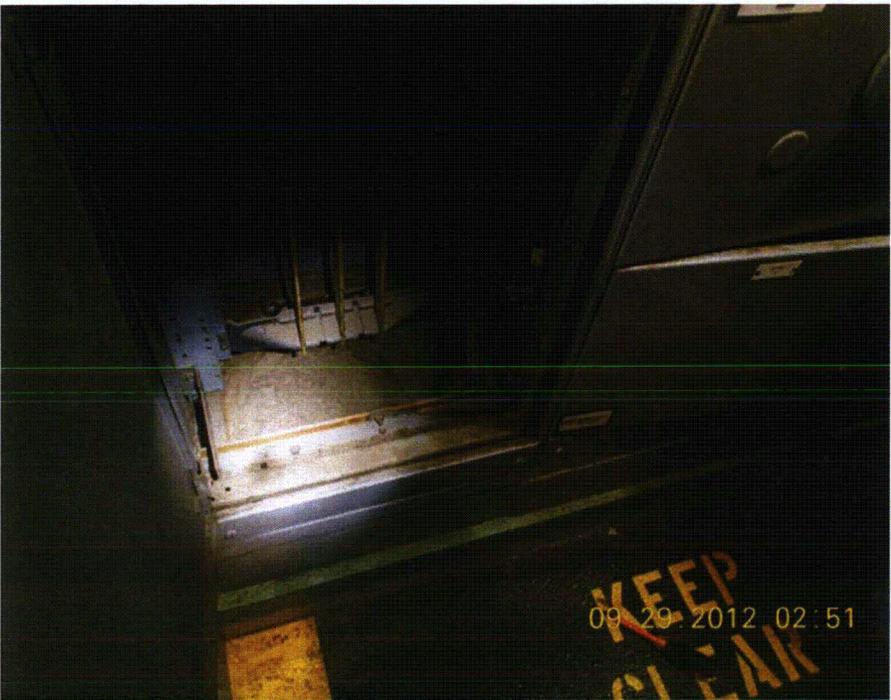
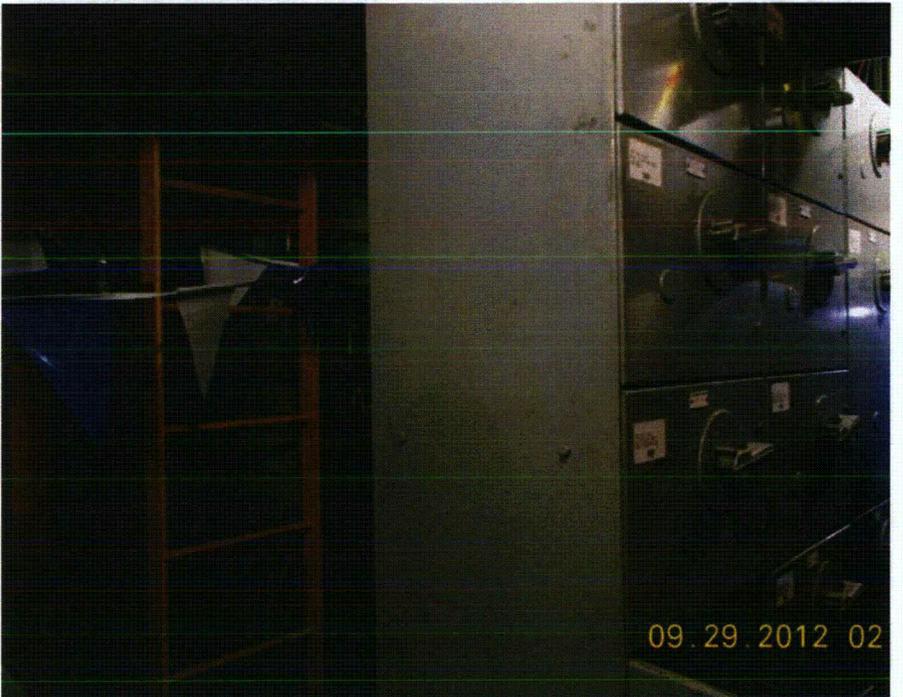
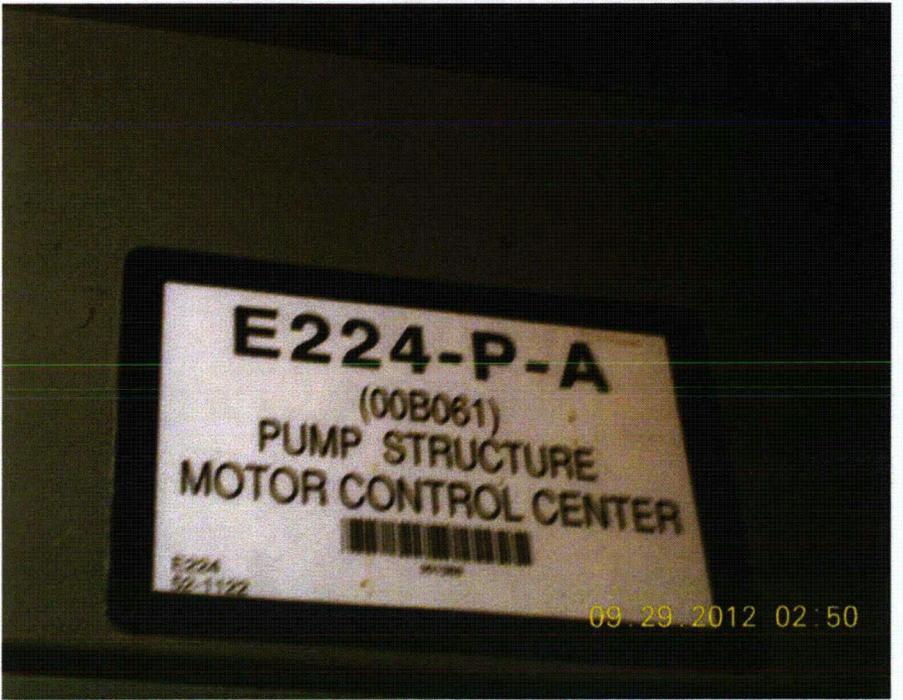
**Other Adverse Conditions**

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: *H. 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) \_\_\_\_\_

**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  
*embedded channel in concrete. No cracks around embedded channel.*
  
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.)  
*- Cabinet bolted to adjacent cabinets.  
 - Anchorage confirmed per ~~6200-S~~ <sup>AME 9/25/12</sup> S-1197 sheet 1 of 3, Rev 0, and sheet 2 of 3, Rev 0.*
  
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. 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*

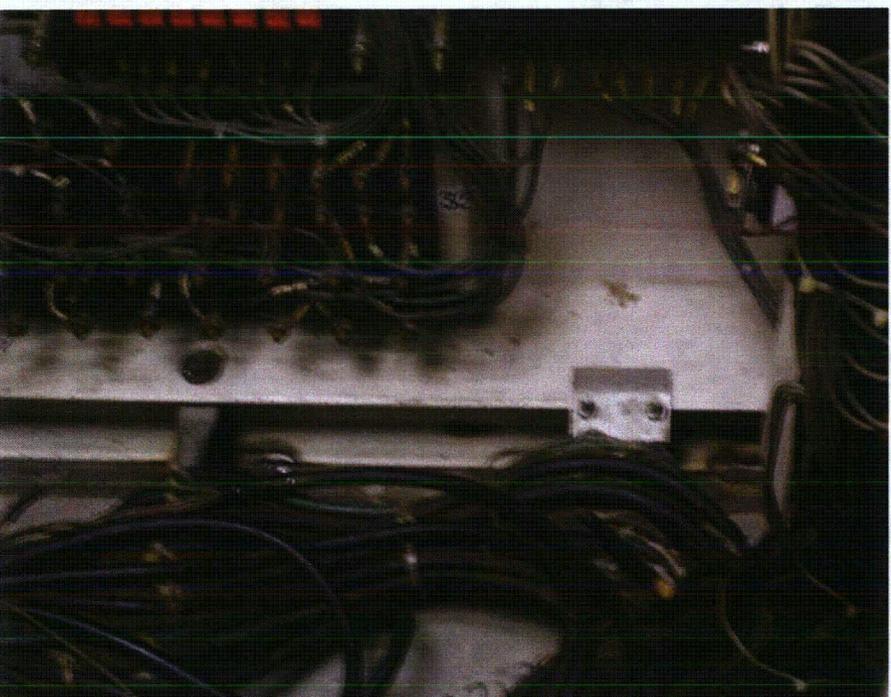
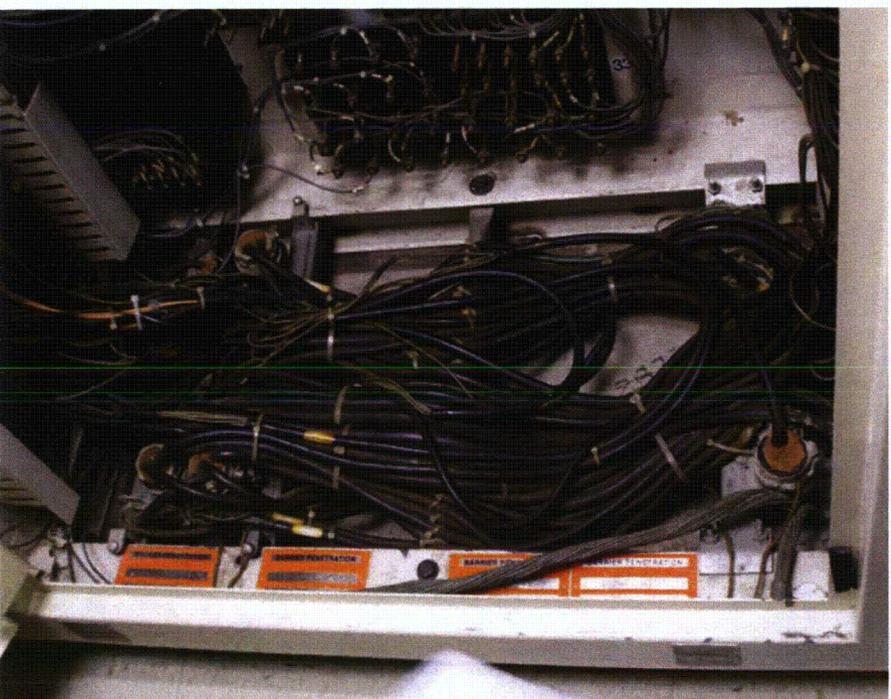
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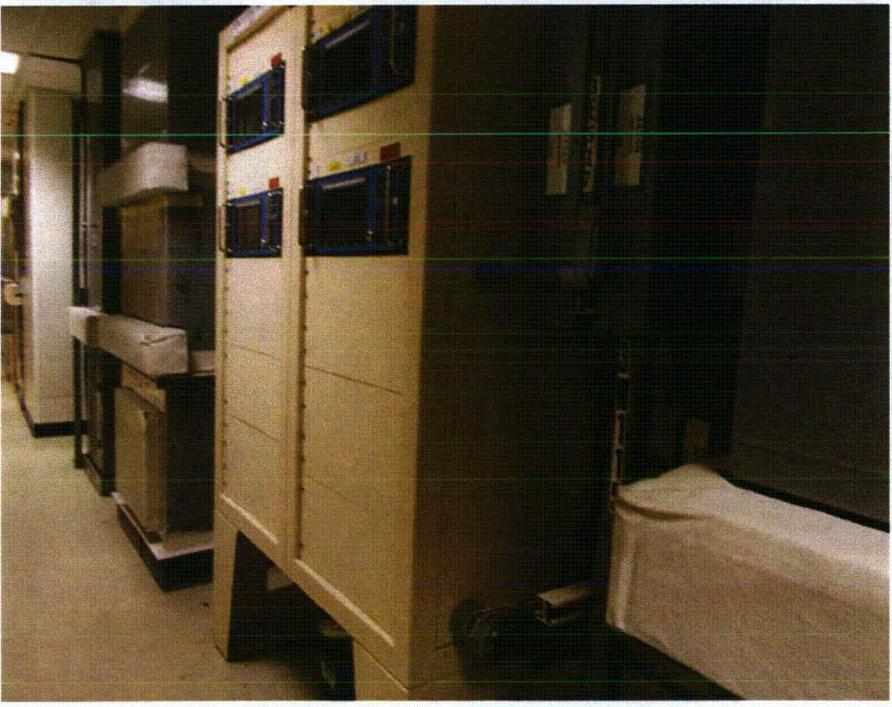
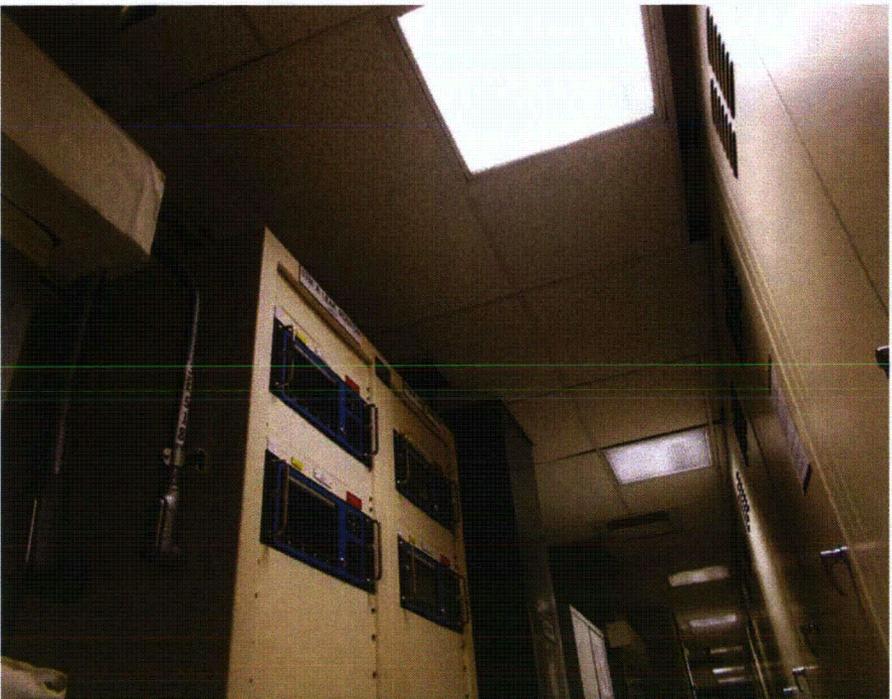
*M. Oghbaci*

*9/25/12*



Equipment ID: 00C029B





Equipment ID: 00C029B