

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. LA/TR BME 10/19/12 ~~LR-8123B~~ Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Torus Water Level/Temperature Recorder

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
  
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. LR/TR - BME 10/19/12  
LR-8123B Equip. Class<sup>12</sup> (20) Control Panels & Cabinets

Equipment Description Torus Water Level/Temperature Recorder

**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 26-5/2-12, Revision 0, Calc G-106-1 could not be located. see TR 01428651.*

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

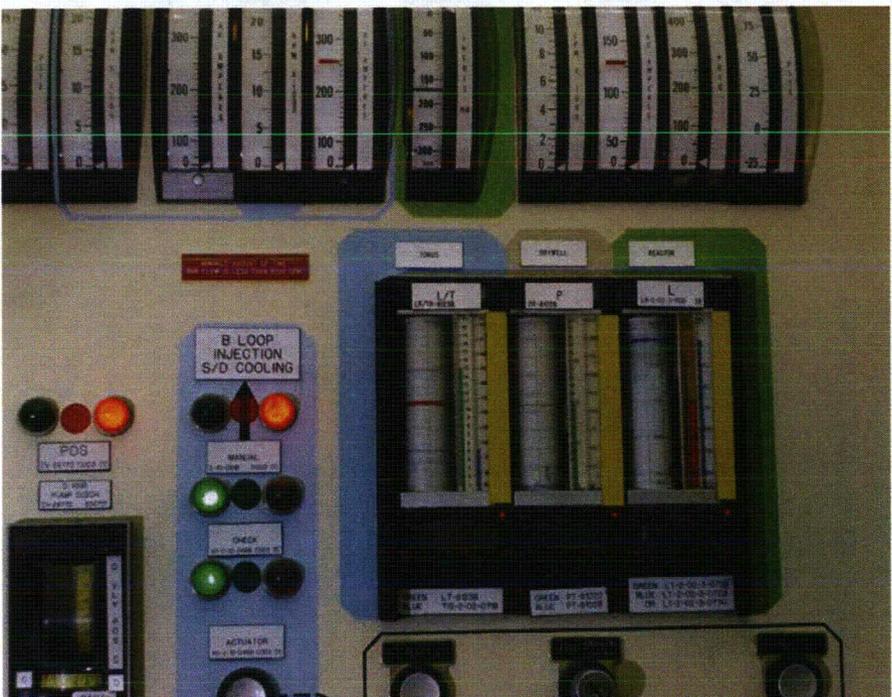
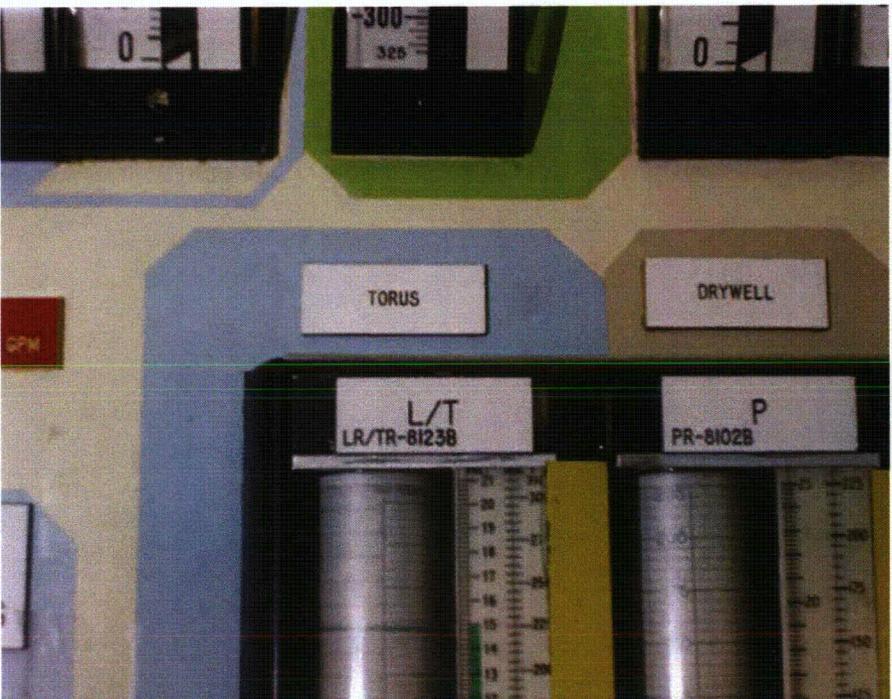
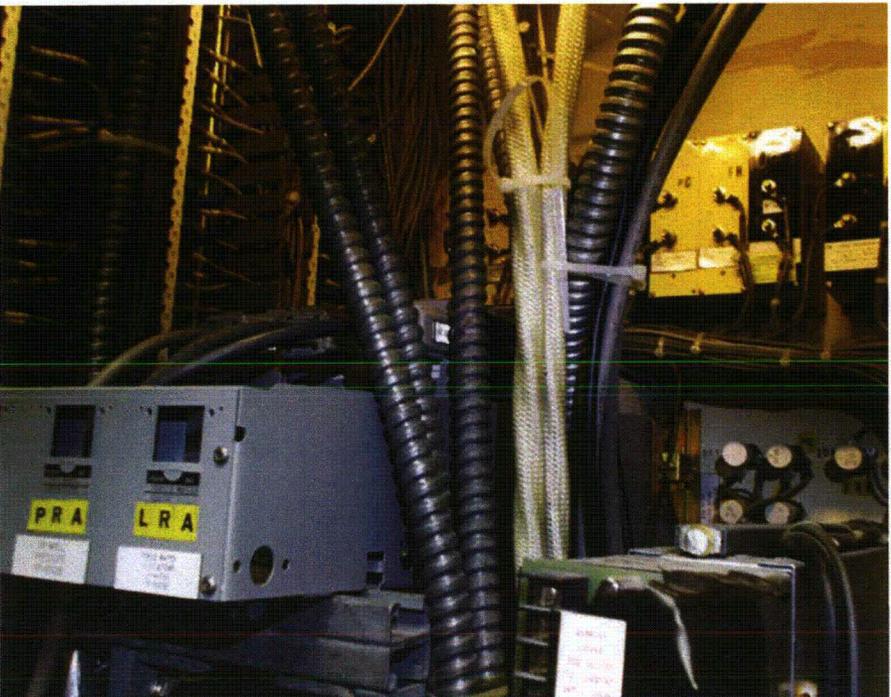
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**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: *Ben Fry* Date: 10/19/12  
*H. Ogilvie* 10/19/12



Equipment ID: LR/TR-8123B

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. LS2-23-91B Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Suppression Pool Level Switch

Location: Bldg. Reactor Floor El. 91 Room, Area R2-10

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*
  
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. LS2-23-91B Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Suppression Pool Level 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

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

*N/A*

Evaluated by: *James Wiggins*

Date: *8/30/2012*

*De G*

*8/30/2012*



08.30.2012 15:13



08.30.2012 15:13



08.30.2012 15:13

**Seismic Walkdown Checklist (SWC)**

*gmr 9/17/2012*

Equipment ID No. LT-8123R A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Torus Water Level Transmitter for LR-8123R A

*gmr 9/17/2012*

Location: Bldg. Reactor Floor El. 91 Room/Area R2-K 10

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.)    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.

gwr 9/17/2012

Equipment ID No. LT-8123R A Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Torus Water Level Transmitter for LR-8123R A

gwr 9/17/2012

**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 Wiggins

Date: 9/17/2012

JK

9/17/2012



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-06-029A B <sup>g/m 9/13/2012</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description Feedwater Stop Valve <sup>g/m 9/13/2012</sup>

Location: Bldg. Drywell Floor El. 154 Room, Area D/W2-23 35

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. M02-06-029A B <sup>gmr 9/13/2012</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description Feedwater Stop 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

*Temporary cables attached outside of cable trays w/ zip ties judged acceptable*

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**

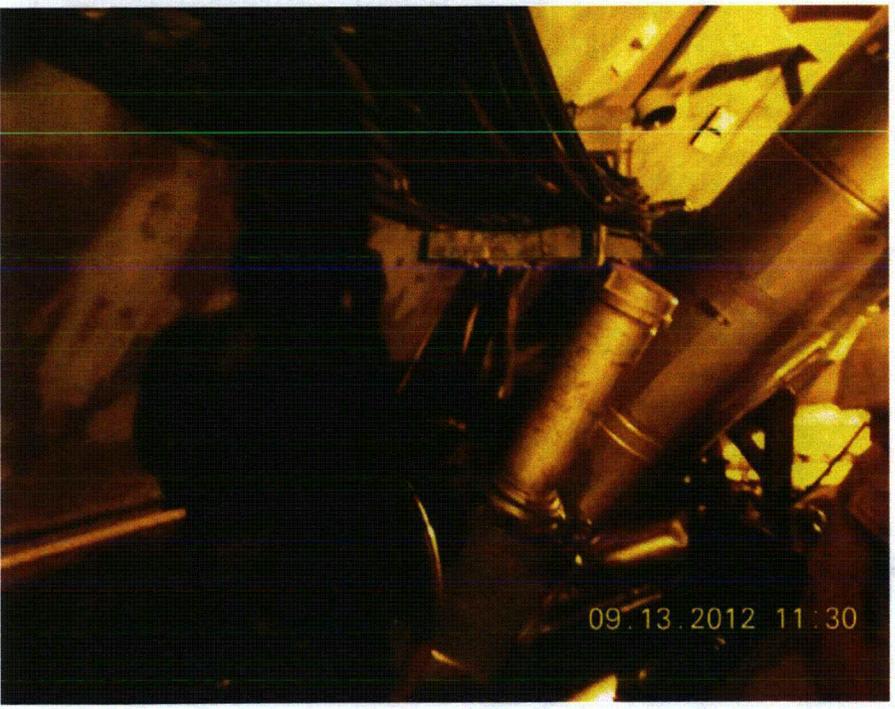
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

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

*N/A*

Evaluated by: *James Wiggins* Date: *9/13/2012*

*X J/S* *9/13/2012*



**Seismic Walkdown Checklist (SWC)**

*gmv 8/30/2012*

Equipment ID No. M02-10-013R D Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump B Torus Suction (2AP055) *D gmv 8/30/2012*

Location: Bldg. Reactor Floor El. 91 Room, Area R2-68 *gmv 8/30/2012*

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? *Line-mounted* 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.

gwr 8/30/2012

Equipment ID No. M02-10-0138 D Equip. Class<sup>12</sup> (08a) Motor Operated Valves

D gwr 8/30/2012

Equipment Description RHR Pump R Torus Suction (2AP035)

**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

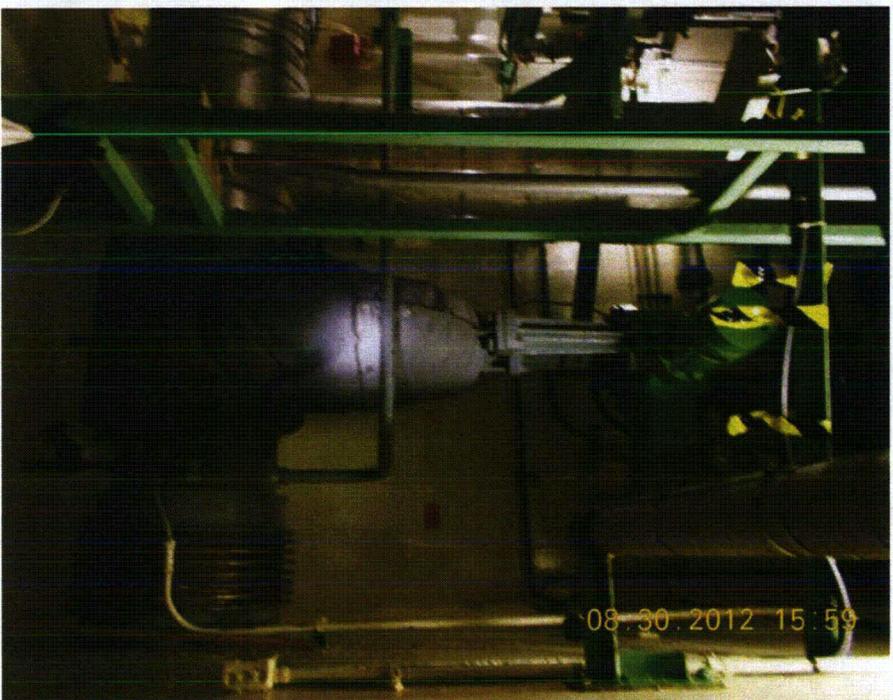
**Other Adverse Conditions**

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

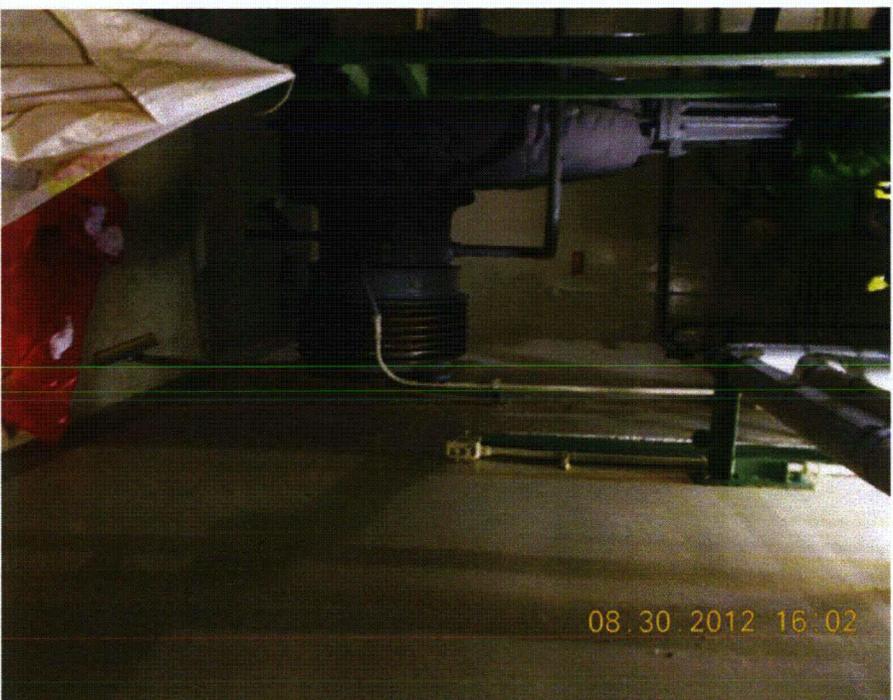
**Comments** (Additional pages may be added as necessary).

N/A

Evaluated by: James Wiggins Date: 8/30/2012  
KS Jett 8/30/2012



Equipment ID: MO-2-10-013D



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

C-264

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-10-015B Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Pump B Shutdown Cooling Suction (20P035) <sup>B</sup> <sub>kg 10/23/12</sub>

Location: Bldg. Reactor Floor El. 116 Room, Area R2-18

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 horizontally w/ octuctor supported vertically on spring-can rod hanger
  
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  
 SPRING CAN MOUNTED TO STRUCTURAL STEEL
  
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. M02-10-015B Equip. Class<sup>12</sup> (08a) Motor Operated Valves  
Equipment Description RHR Pump B Shutdown Cooling Suction (2CP035) <sup>B KB 10/23/12</sup>

**Interaction Effects**

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

**Other Adverse Conditions**

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

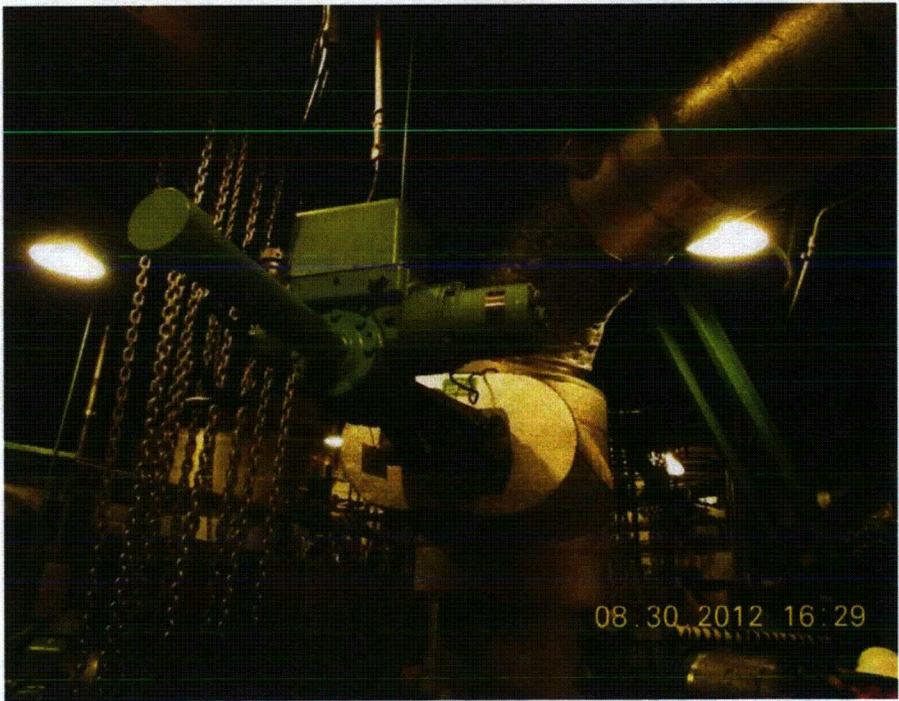
**Comments** (Additional pages may be added as necessary)

*N/A*

Evaluated by: *Janis Wiggins* Date: *8/31/2012*  
*JK JS* *8/31/2012*



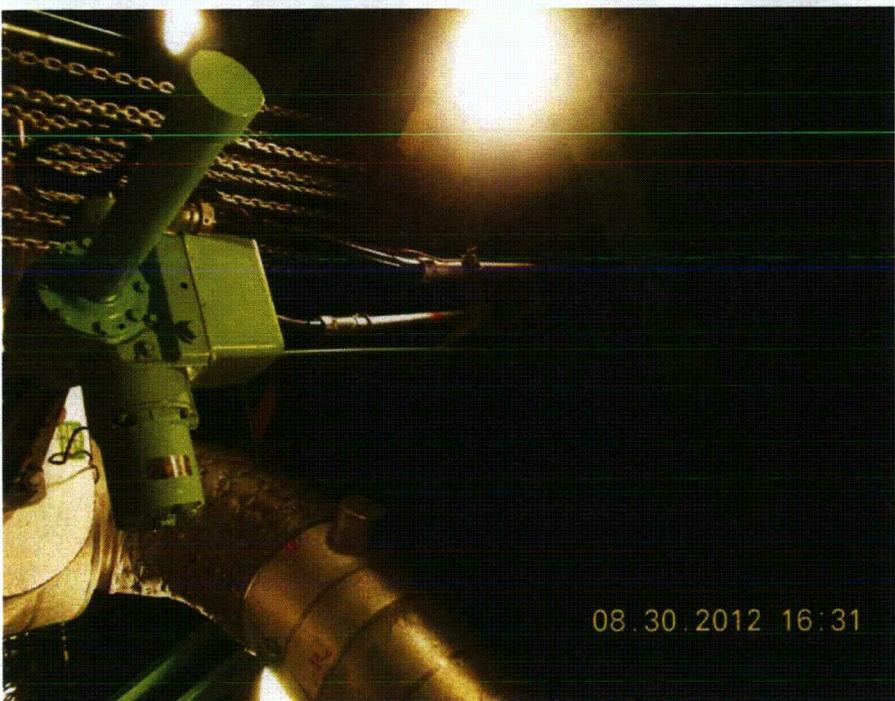
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Equipment ID: MO-2-10-015B



08.30.2012 16:33



08.30.2012 16:33

Equipment ID: MO-2-10-015B



08.30.2012 16:34

### Seismic Walkdown Checklist (SWC)

Equipment ID No. M02-10-018 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Shutdown Cooling Suction Inboard Isolation Valve

Location: Bldg. Drywell Floor El. 134 Room, Area D/W2-17

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*
  
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. M02-10-018 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description RHR Shutdown Cooling Suction Inboard Isolation 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

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

*Nearby insulated pipes have sufficient clearance*

**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: 9/13/2012

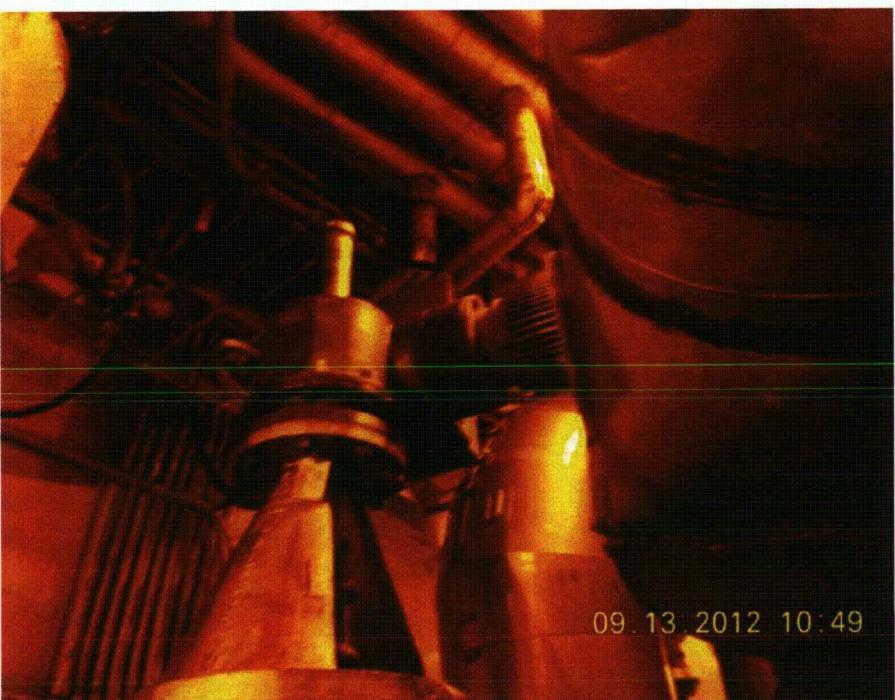
JK JK 9/13/2012



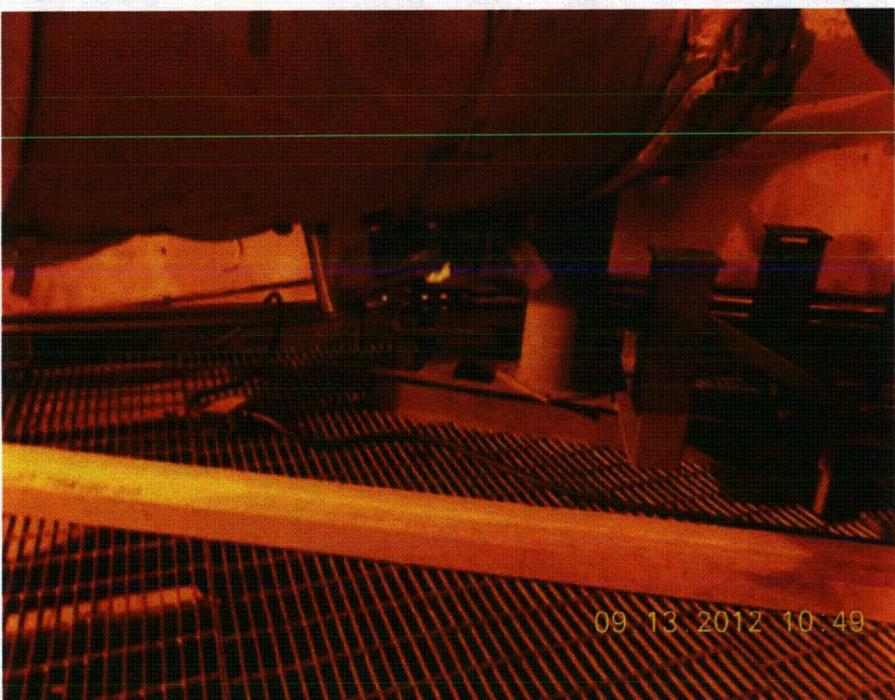
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09.13.2012 10:49



09.13.2012 10:49





**Seismic Walkdown Checklist (SWC)**

*gww 4/30/2012*

Equipment ID No. M02-10-176<sup>4</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

*Inner gww 4/30/2012*

Equipment Description HPSW to RHR Emergency ~~Outer~~ Cross-tie

Location: Bldg. Reactor Floor El. 91 Room, Area R2-6

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  U  N/A
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*Line-mounted horizontally w/ actuator supported vertically on spring-can rod hanger*
  
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  
*SPRING CAN MOUNTED TO STRUCTURAL STEEL*
  
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. M02-10-176<sup>4</sup> Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW to RHR Emergency ~~Outer~~ Cross-tie

*gm 8/30/2012*

*Inner gm 8/30/2012*

**Interaction Effects**

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

*No soft targets*

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

*No overheads*

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

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

**Other Adverse Conditions**

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

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

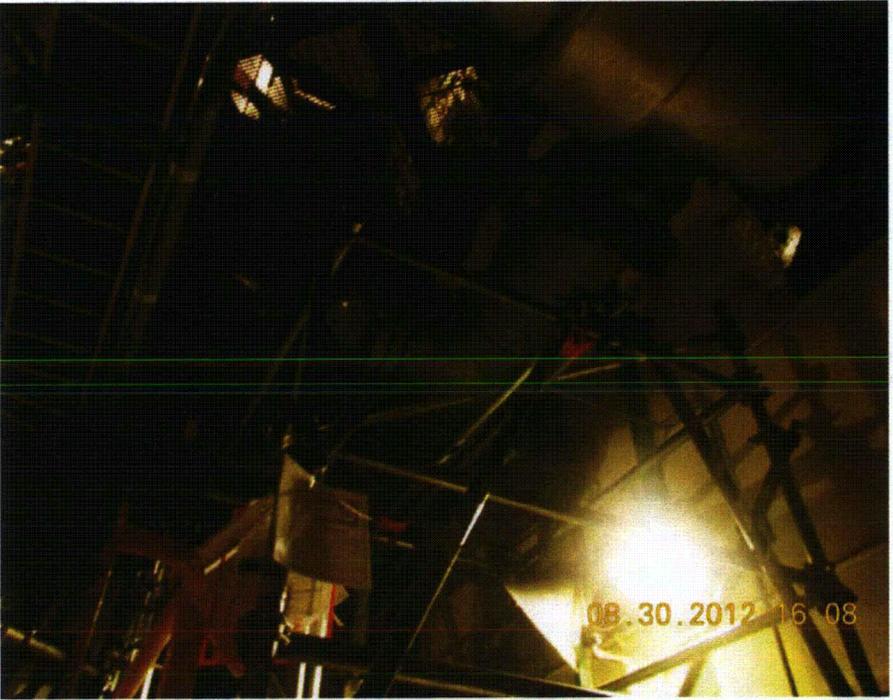
*N/A*

Evaluated by: *James W. Giffin*

Date: *8/31/2012*

*J. G. S.*

*8/31/2012*



Equipment ID: MO-2-10-174

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-23-014 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPCI Turbine Steam Supply Valve

Location: Bldg. Reactor Floor El. 88 Room, Area R2-13

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*
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. M02-23-014 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPCI Turbine Steam Supply 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 nearby and overhead mounted securely 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)

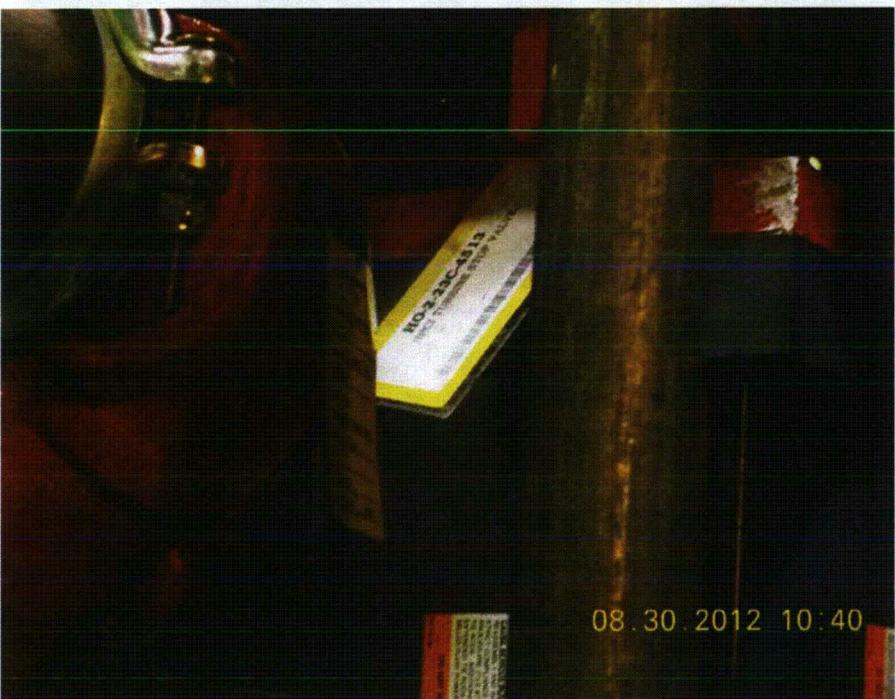
*N/A*

Evaluated by: *James Wiggins*

Date: *8/30/2012*

*K. Ge*

*8/30/2012*



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-30-2233A Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description Unit 2 Sluice Gate A

Location: Bldg. Screen House 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. M02-30-2233A Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description Unit 2 Sluice Gate 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

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)

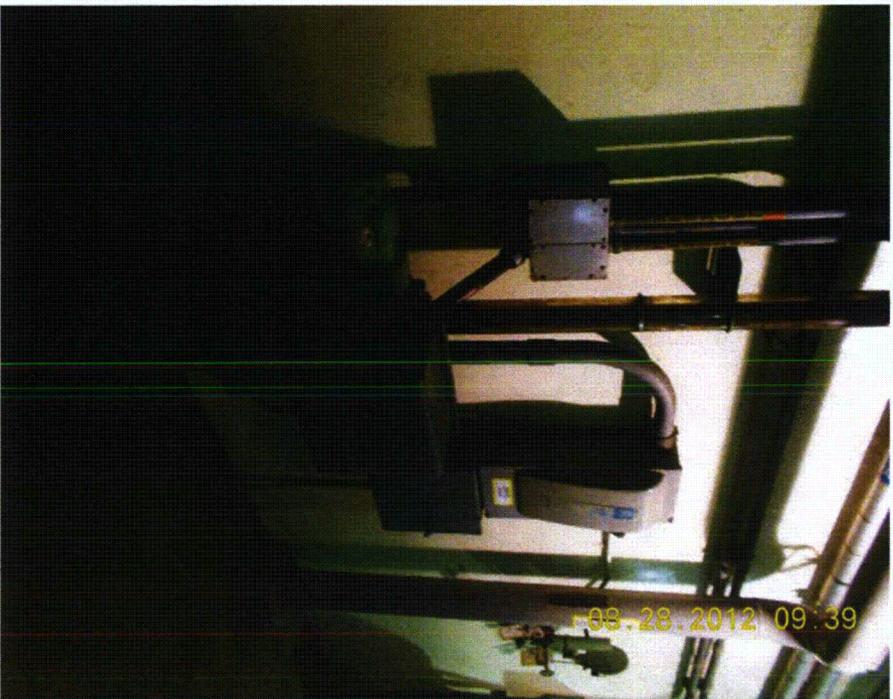
*N/A gm 8/28/2012 #1. Evaluation only applies to motor-operator due to inaccessability of actual sluice gate for visual inspection*

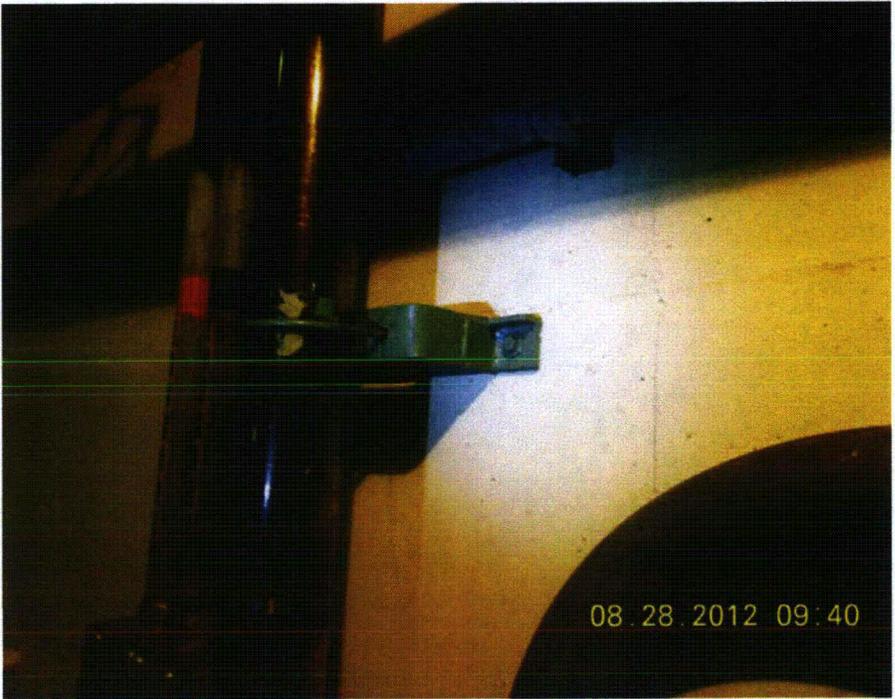
Evaluated by: *James Higgins*  
*K. [Signature]*

Date: *8/28/2012*  
*8/28/2012*



Equipment ID: MO2-30-2233A

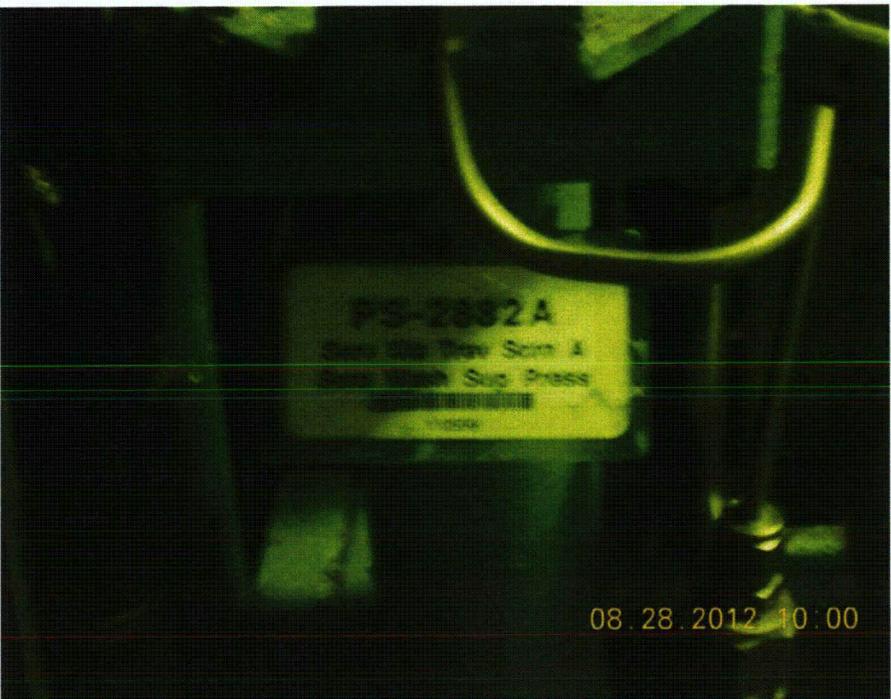




08.28.2012 09:40



08.28.2012 09:59



08.28.2012 10:00



08.28.2012 10:00

Equipment ID: MO2-30-2233A



08.28.2012 10:01



08.28.2012 10:05

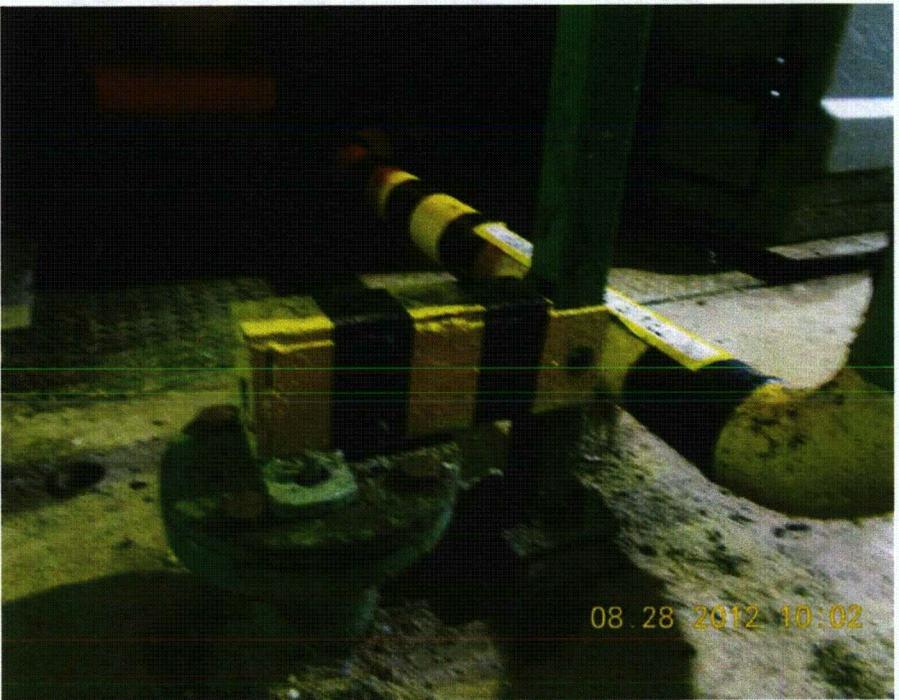


08.28.2012 10:01



08.29.2012 10:02

Equipment ID: MO2-30-2233A



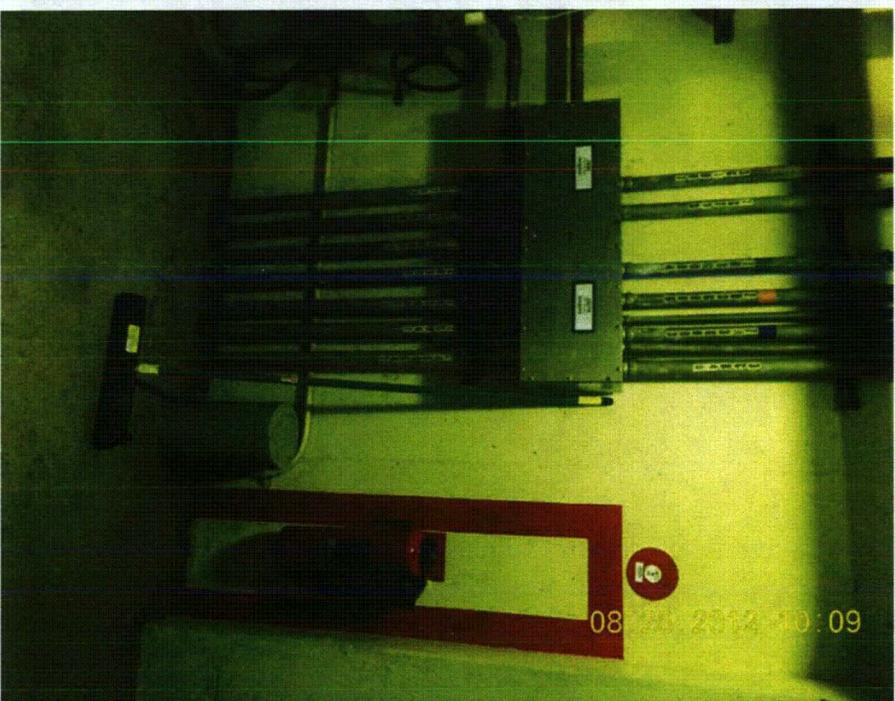
08.28.2012 10:02



08.28.2012 10:04

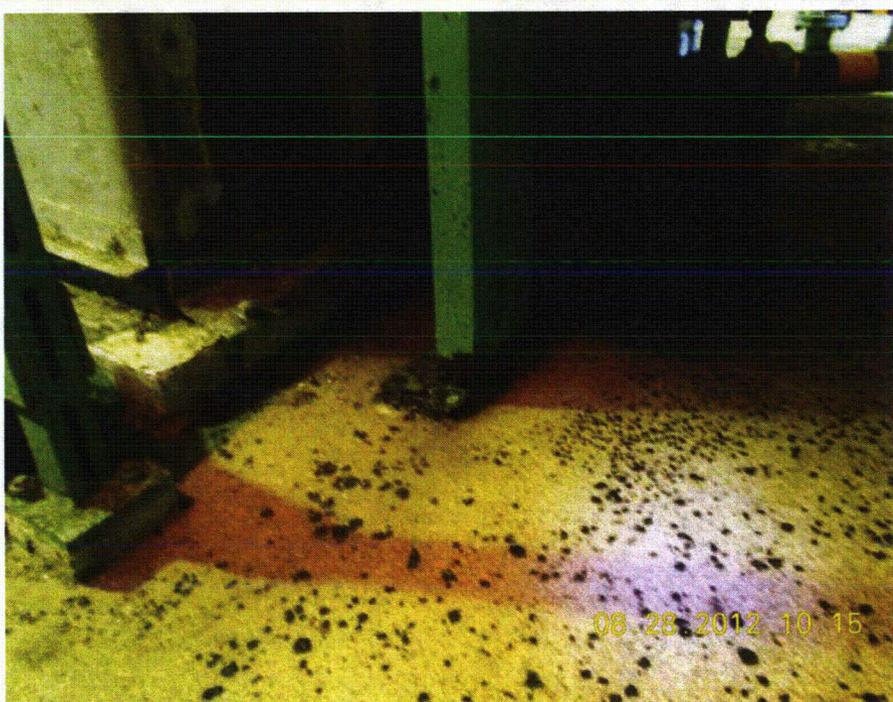
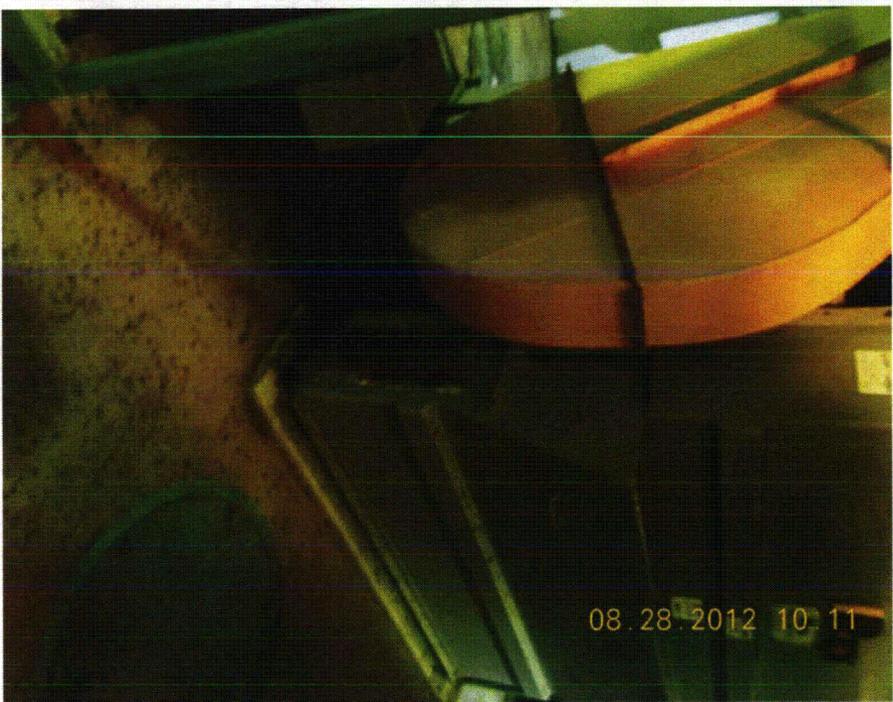


08.28.2012 10:08

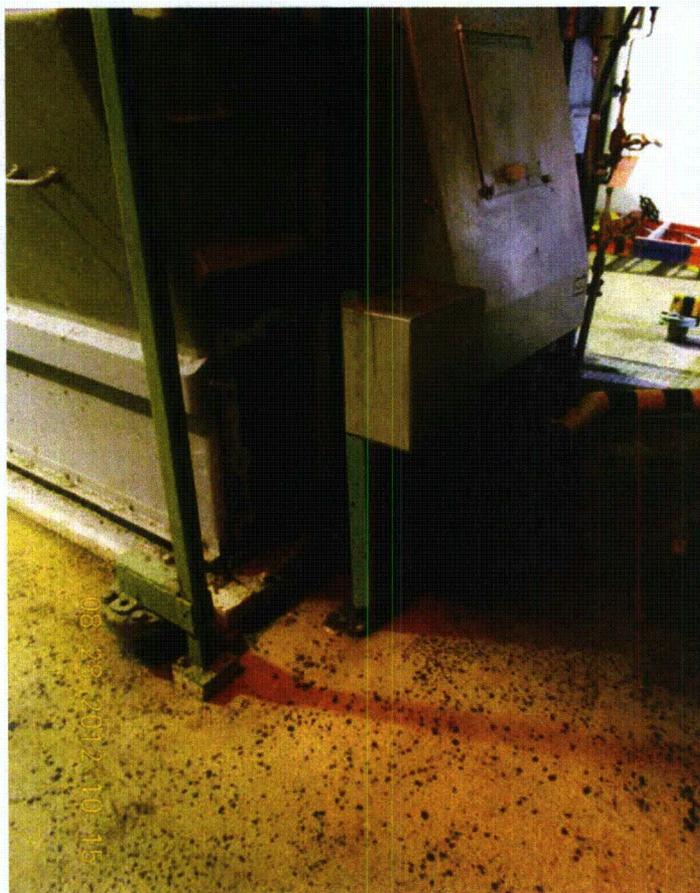


08.28.2012 10:09

Equipment ID: MO2-30-2233A



Equipment ID: MO2-30-2233A



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-32-2486 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Return Valve to Discharge Pond

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. M02-32-2486 Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Return Valve to Discharge Pond

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  *BMF 8/27/12*  
*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

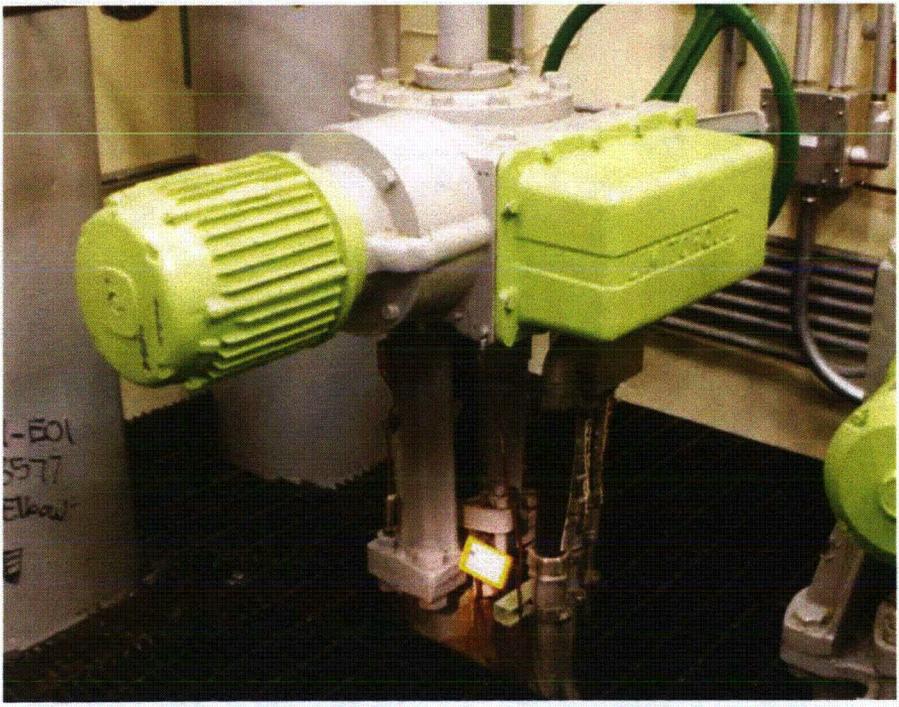
**Other Adverse Conditions**

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-2-32-2486

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. M02-48-2804A Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Discharge Inlet Outer 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**

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  
*BMF High Line mounted equipment*  
*8/28/12*
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation?  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. M02-48-2804A Equip. Class<sup>12</sup> (08a) Motor Operated Valves

Equipment Description HPSW Discharge Inlet Outer 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

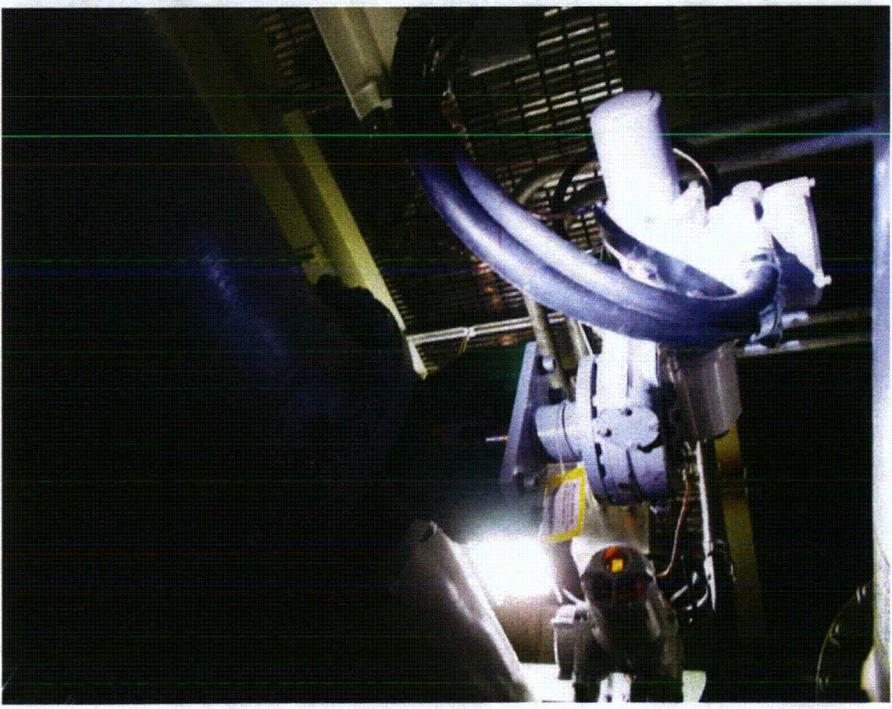
**Other Adverse Conditions**

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. Ogilbaei* Date *8/28/12*

*Ben Fry* *8/29/12*



Equipment ID: MO-2-48-2804A



**Seismic Walkdown Checklist (SWC)**

POD-2-404-2023-03 BMF 10/23/12  
 Equipment ID No. ~~PO-20223-3~~ Equip. Class<sup>12</sup> (10) Air Handlers  
 Equipment Description ~~HPSW Pump Room A Loop Supply Damper~~ Outside Air Supply Damper BMF 10/16/12  
 Location: Bldg. ~~Pump Structure~~ Floor El. 112 Room, Area 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  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  
 , 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.

PO-2-404-2023-09 BMA 10/23/12  
Equipment ID No. ~~PO-20223-3~~ Equip. Class<sup>12</sup> (10) Air Handlers  
Equipment Description HPSW Pump Room A Loop Supply Damper *Outside Air Supply Damper*

BMA  
10/16/12

**Interaction Effects**

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

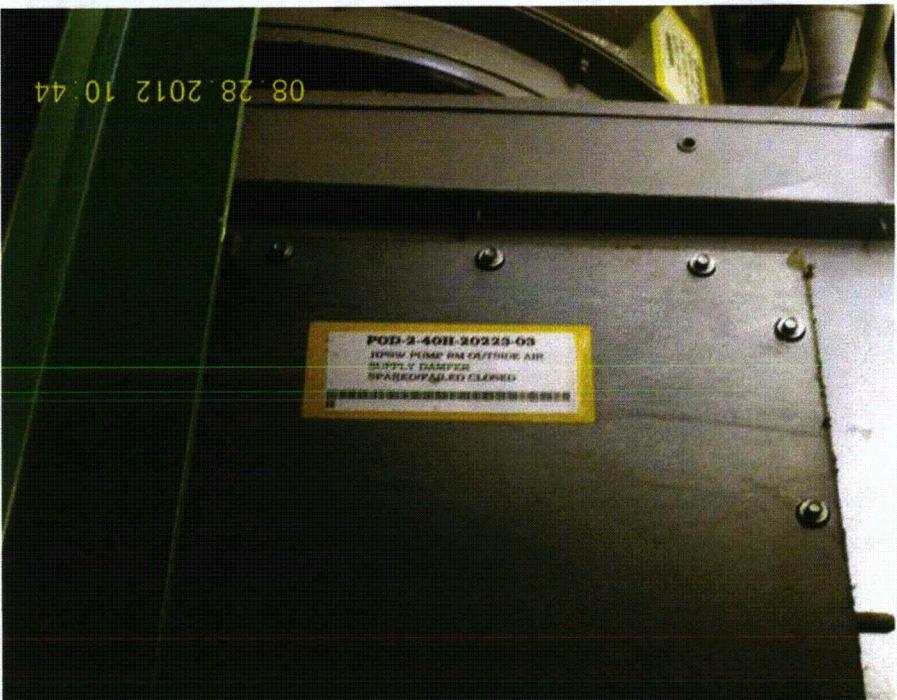
**Other Adverse Conditions**

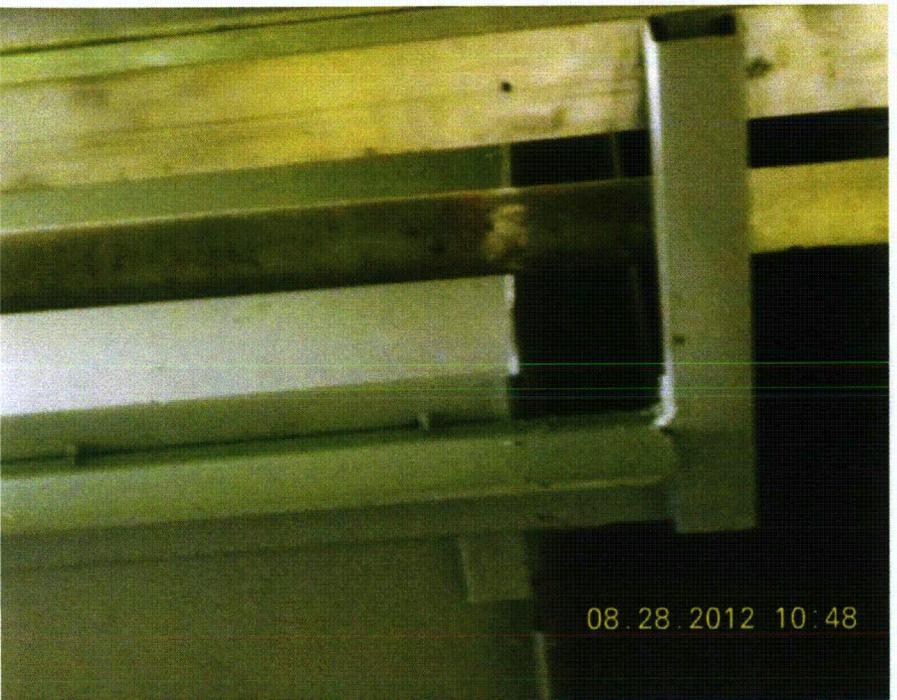
- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**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. *kp 9/11/20*

Evaluated by: James M. Quinn Date: 8/31/2012  
76 JLS 8/31/2012





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PO<sup>D</sup>-2-404-20223-04 BNF 10/23/12  
~~PO-20223-4~~ Equip. Class<sup>12</sup> (10) AIR HANDLERS  
 Equipment Description HPSW PUMP ROOM B LOOP EXHAUST DAMPER *Exhaust return to room damper*  
 Location: Bldg. PUMP STRUCTURE Floor El. 112 Room, Area P/H-6 *BNF 10/10/12*  
 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 SUGGED TO MOVE WITH SUPPORT DURING 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.

PC-2-40H-2023-04 BMF 10/23/12

Equipment ID No. ~~PO-20223-4~~ Equip. Class<sup>12</sup> (10) AIR HANDLERS

Equipment Description ~~HPSW PUMP ROOM TR LOOP EXHAUST DAMPER~~ Exhaust return to room damper

BMF 10/16/12

**Interaction Effects**

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

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

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

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

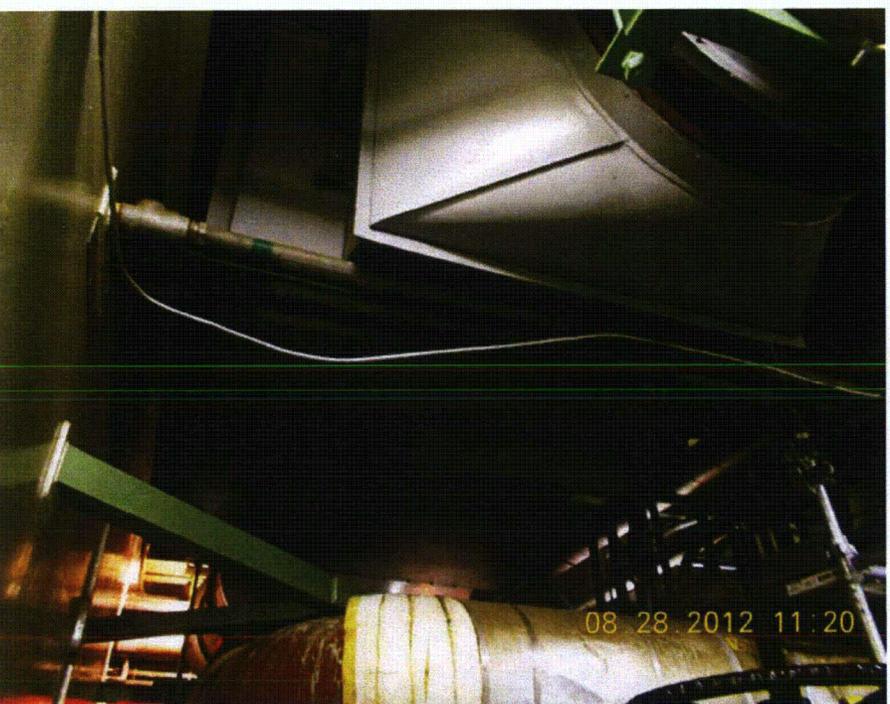
IPEEE: TUBING ROUTED THROUGH PROTECTIVE ENCLOSURE MOUNTED TO DAMPER SUPPORT FRAME AND IS PROTECTED FROM CONTACT WITH CONDUIT. KC 9/11/2012

Evaluated by: James Mcginn

Date: 8/31/2012

JC [Signature]

8/31/2012



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PT2-2-3-404A 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 R2-40

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  U  N/A
  
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 to rack verified per Dwg. M-1-EE-168, Rev. 55 (Sheet 1).*
  
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. PT2-02-3-404A 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  
*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 or masonry block walls.  
 light bulb fall will not cause credible damage.*
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**

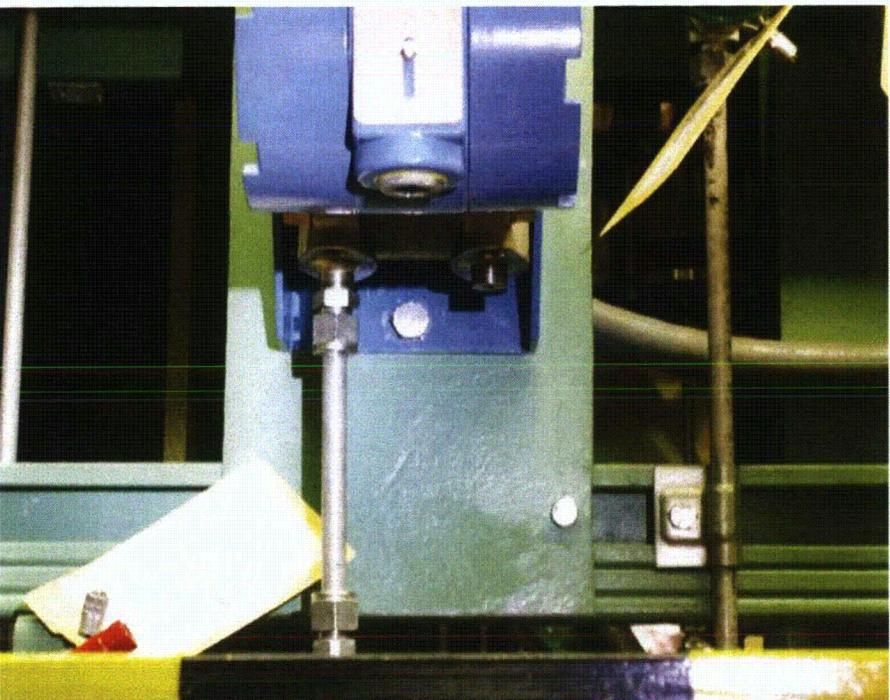
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

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

Evaluated by: *M. oghbaei* Date: *8/30/12*  
*Ben Fry* *8/31/12*



Equipment ID: PT2-2-3-404A



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PT-2508<sup>A</sup> <sup>MO 8/30/12</sup> Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Containment Drywell Pressure Transmitter for PR-2508

Location: Bldg. Reactor Floor El. 195 Room, Area R2-53

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

*BMP 8/30/12*  
 The sensor ~~U-bol~~ bracket is mounted to the vertical pipe with a U-bolt. This is not considered a friction connection as the top of the bracket engages the threads of the pipe.

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

Equipment ID No. PT-2508<sup>A</sup> <sup>BMP</sup> <sup>8/30/12</sup> Equip. Class<sup>12</sup> (18) Instruments on Racks / Not on Racks

Equipment Description Containment Drywell Pressure Transmitter for PR-2508

**Interaction Effects**

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

*No soft target.*

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 or masonry block walls.*

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

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

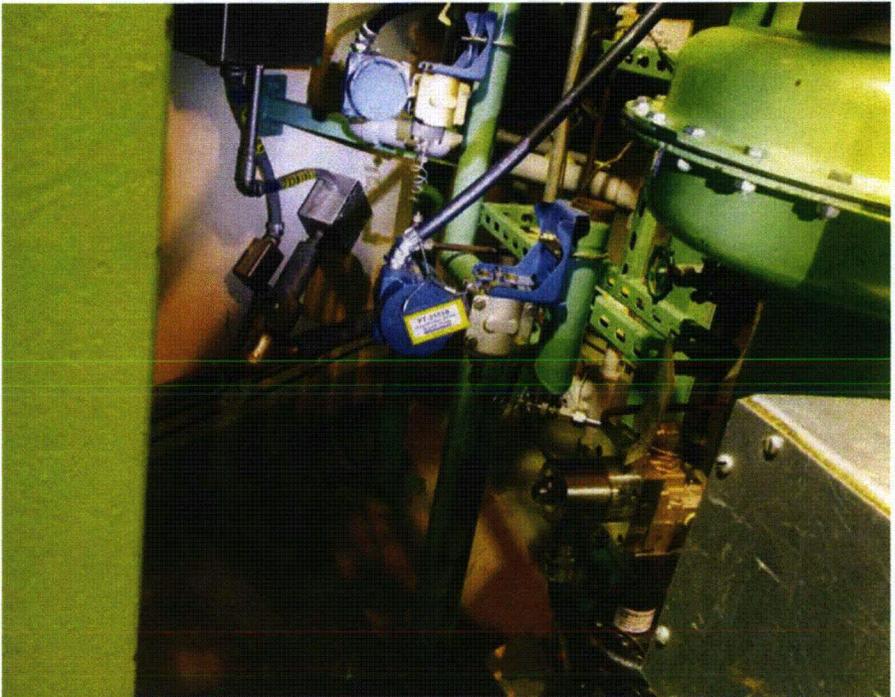
**Other Adverse Conditions**

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

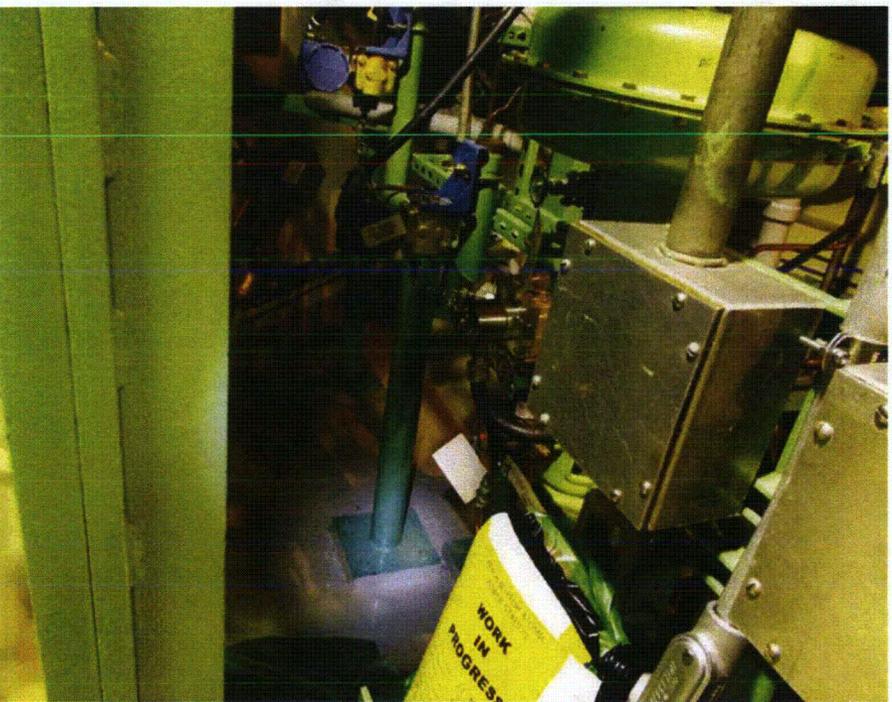
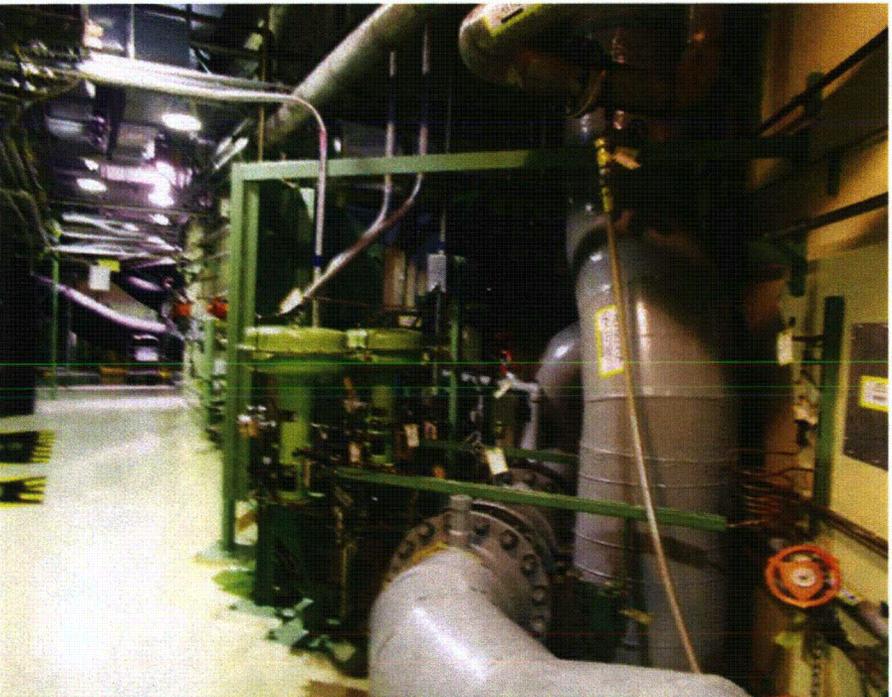
**Comments** (Additional pages may be added as necessary)

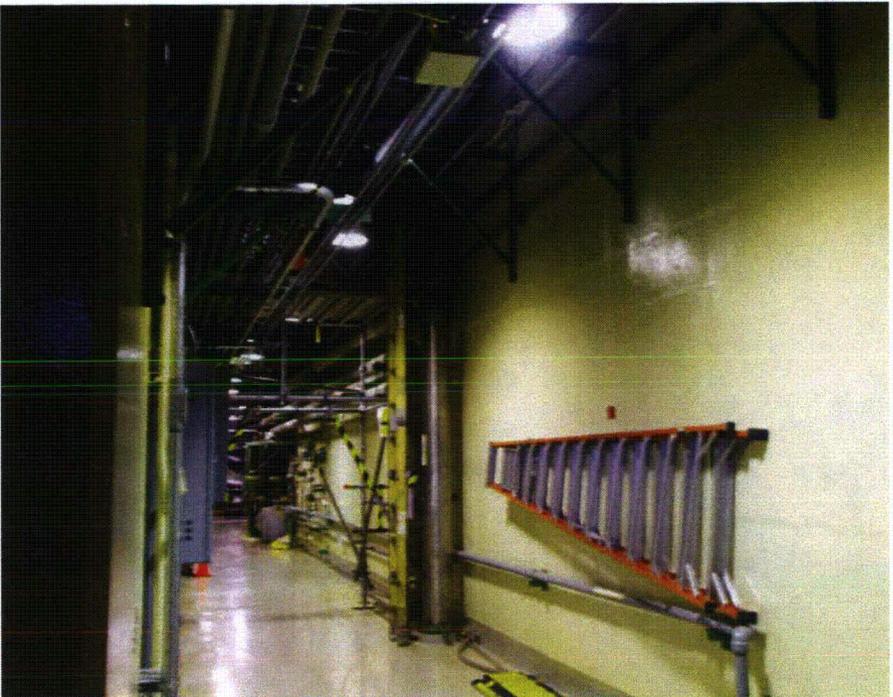
Evaluated by: M. Oghbaci Date: 8/30/12

Ben Fry 8/30/12



Equipment ID: PT-2508A





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. PT2-06-03 B 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 R2-40

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  U  N/A
  
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 to rack verified per Dwg. M-1-EE-170, Sheet 1, Rev. 56.
  
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. PT2-06-053B Equip. Class<sup>12</sup> (18) Instrument on Racks/Not on Racks  
 Equipment Description Reactor Wide Range Pressure Transmitter

**Interaction Effects**

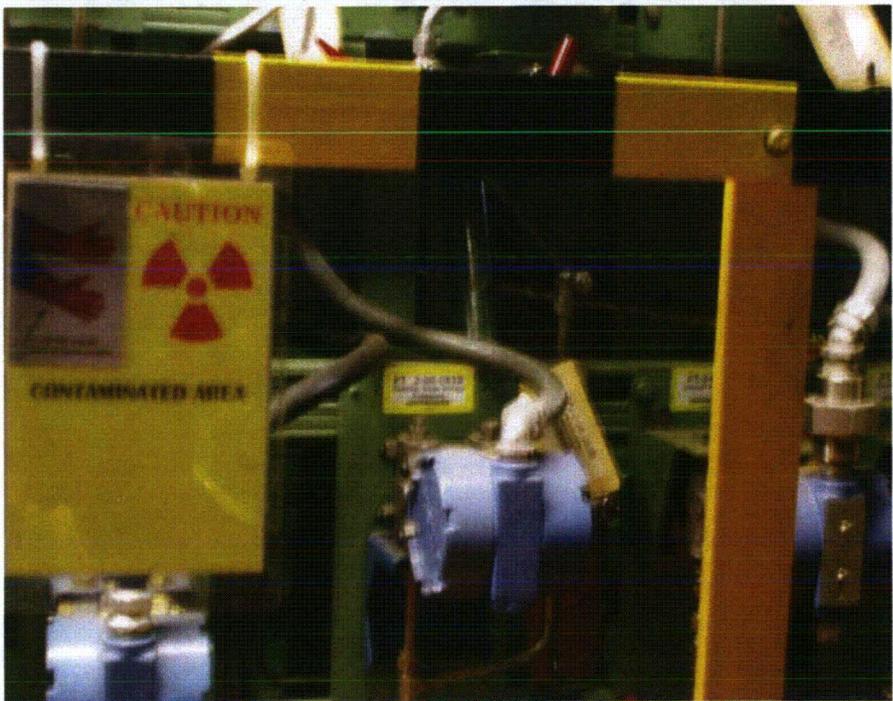
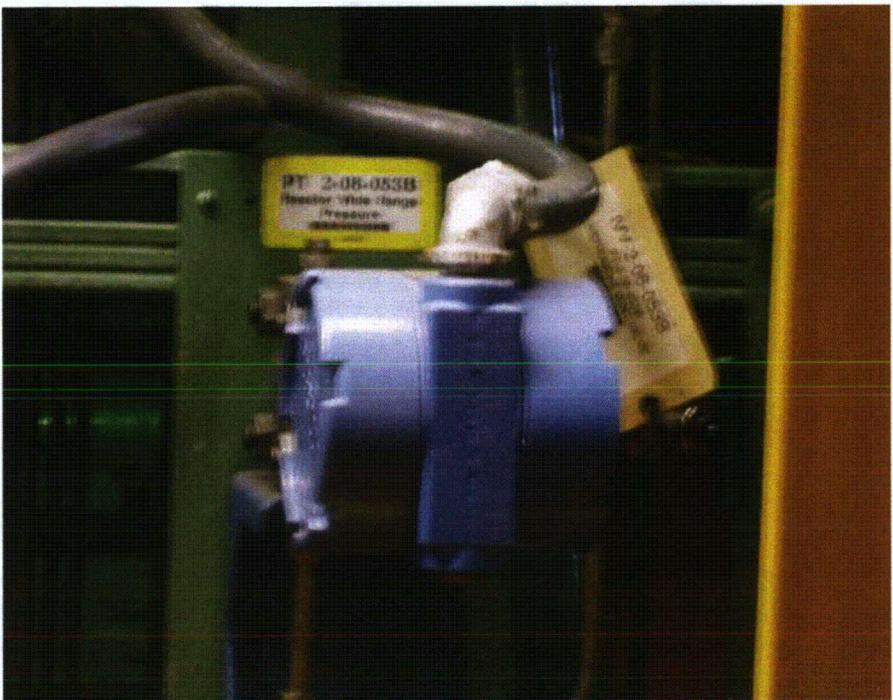
7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A  
*No soft targets.*
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A  
*No ceiling tiles or masonry block walls.  
 Damage due to falling light bulbs 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**

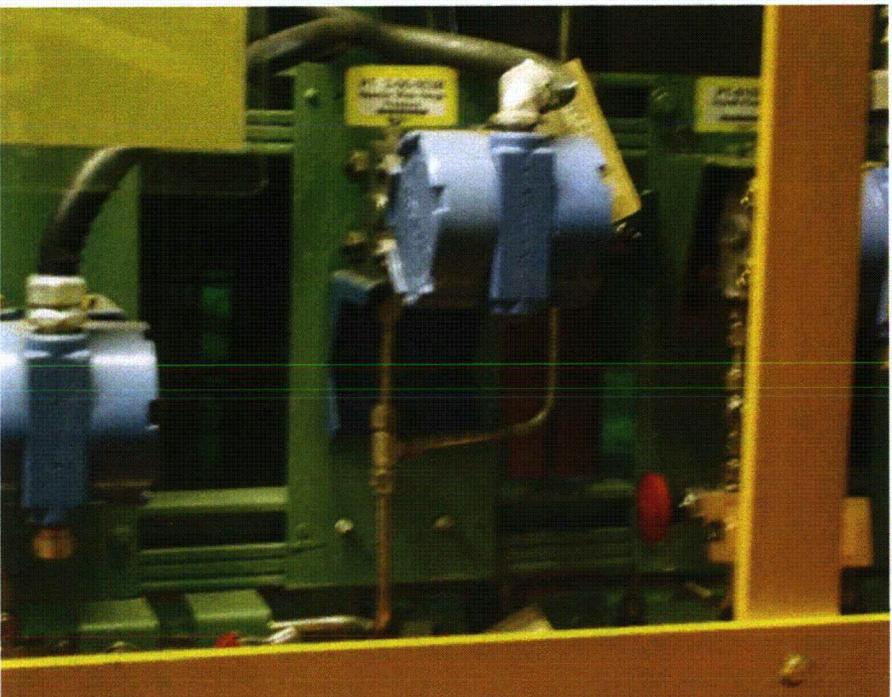
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

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

Evaluated by: *H. Oghbaei* Date: 8/30/12  
*Ben Fry* 8/31/12



Equipment ID: PT2-6-53B



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. RV2-02-071X<sup>G</sup> Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves  
*per 9/13/2012*  
 Equipment Description Safety Relief Valve X<sup>G</sup> *per 9/13/2012*  
 Location: Bldg. Drywell Floor El. 155 Room, Area D/W2-X 35  
 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?  
*- Line-mounted*  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. RV2-02-071X<sup>G</sup> Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves  
Equipment Description Safety Relief Valve X<sup>G</sup> *gm 9/13/2012*

**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

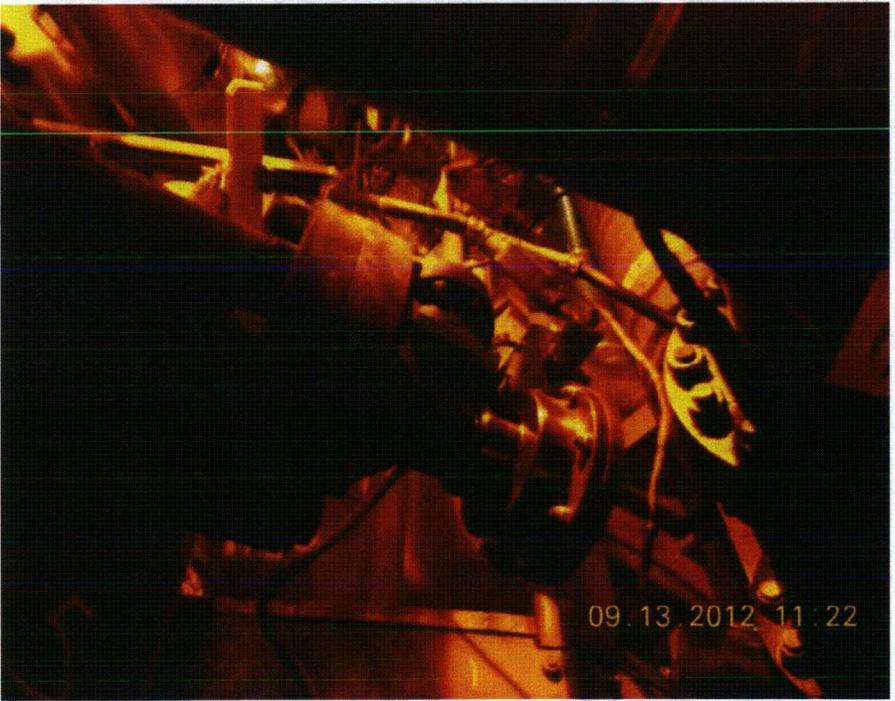
**Other Adverse Conditions**

- 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 Wiggins* Date: *9/13/2012*  
*KE Gler* *9/13/2012*



Equipment ID: RV2-02-071G



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. RV2-02-071A <sup>K gnr 9/15/2012</sup> Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves

Equipment Description Safety Relief Valve <sup>K gnr 9/13/2012</sup>

Location: Bldg. Drywell Floor El. 155 Room, Area D/W2-27 35 <sup>gnr 9/13/2012</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
2. Is the anchorage free of bent, broken, missing or loose hardware? <sup>Line-mounted</sup> 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. RV2-02-071A <sup>K gar 9/13/2012</sup> Equip. Class<sup>12</sup> (07) Fluid (Air/Hyd) Valves  
Equipment Description Safety Relief Valve <sup>K gar 9/13/2012</sup>

**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 Wiggins Date: 9/13/2012  
X: JH 9/13/2012



Equipment ID: RV2-02-071K





**Seismic Walkdown Checklist (SWC)**

Equipment ID No. SV2-23A-4543 Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description HPCI Turbine Stop Valve Remote Trip Valve

Location: Bldg. Reactor Floor El. 88 Room, Area R2-13

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. SV2-23A-4543 Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description HPCI Turbine Stop Valve Remote Trip 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

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

*Close proximity of valve to HPCI tube oil cooler likely to result in interference during seismic event, but not cause structural damage*

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

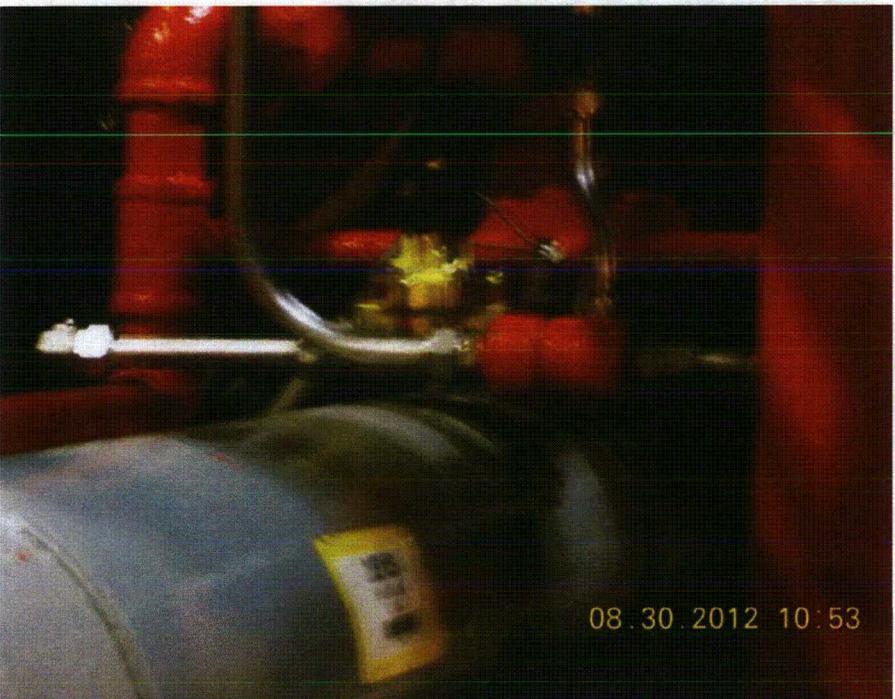
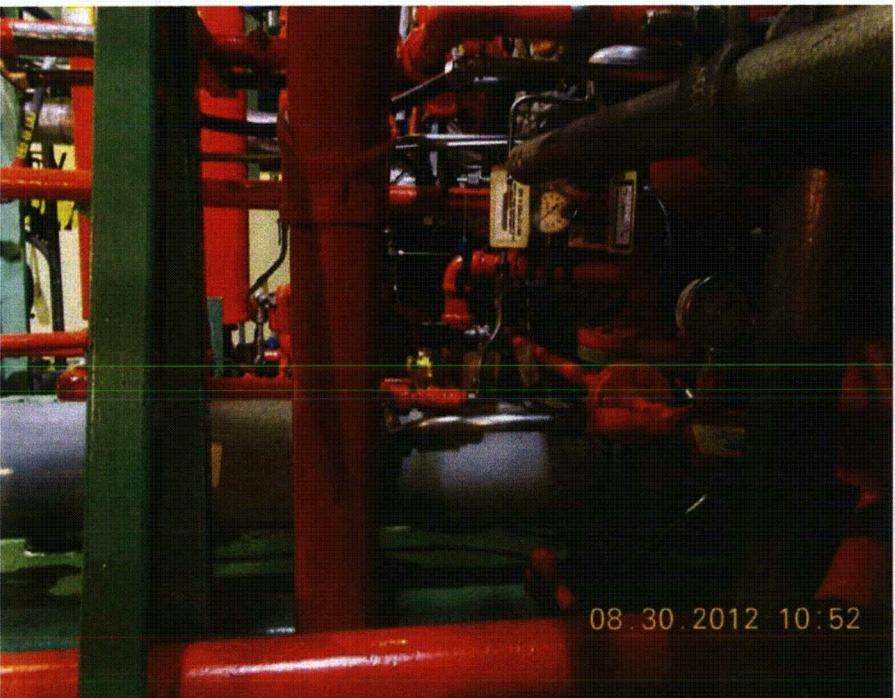
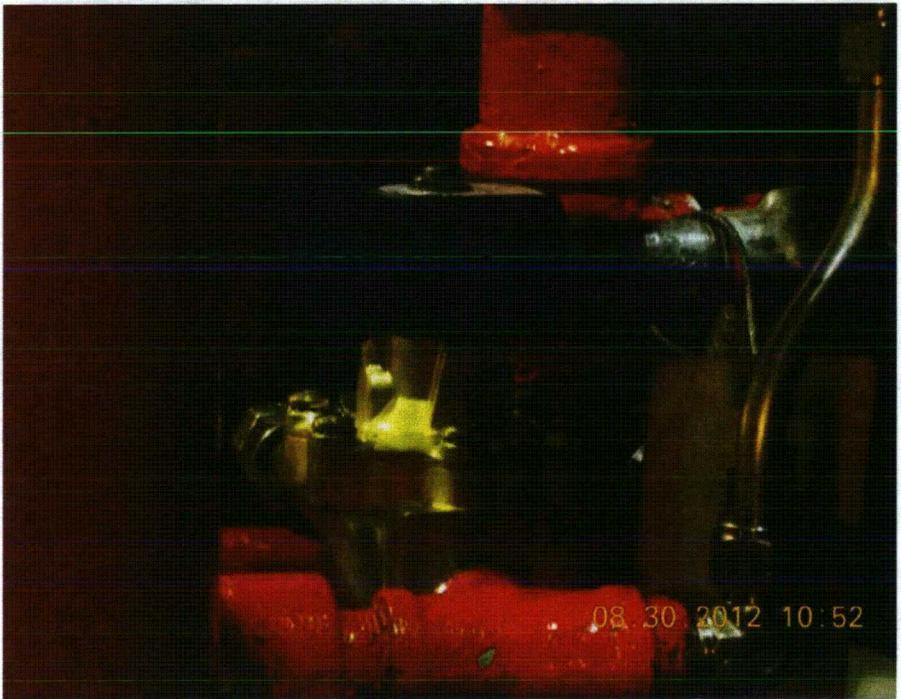
**Other Adverse Conditions**

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

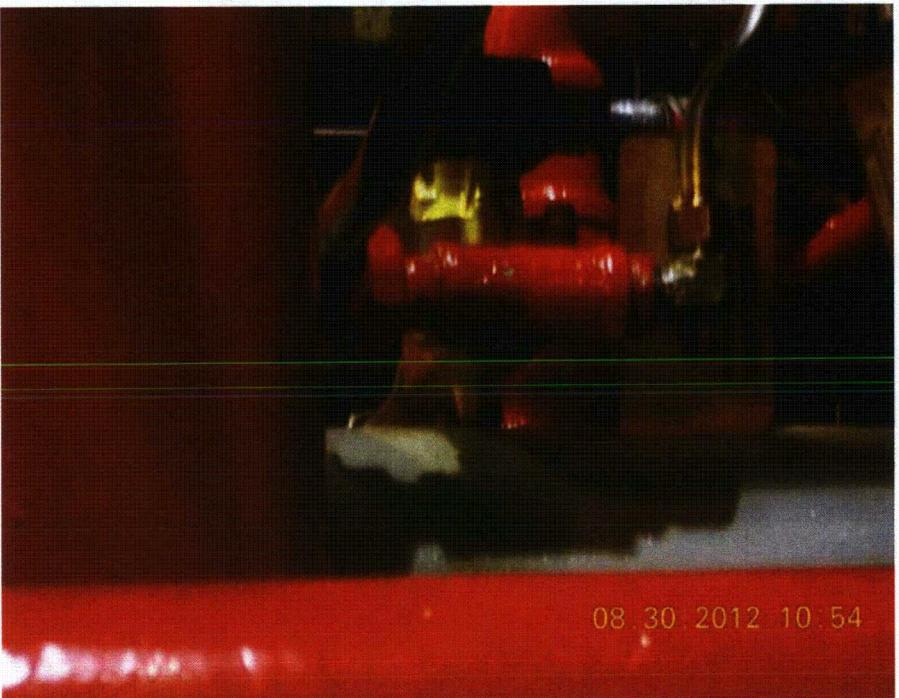
**Comments** (Additional pages may be added as necessary)

*N/A*

Evaluated by: James W. Griffin Date: 8/30/2012  
TC Gey 8/30/2012



Equipment ID: SV-2-23A-4543



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. SV-2-3-33 ~~SV2-3-32A~~ Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

Location: Bldg. Reactor Floor El. 135 Room, Area R2-22

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  
*Support  
 line-mounted valve  
 no 8/30/12*
  
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. SV2-3-32<sup>33</sup>A 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

*Damage from falling light bulbs not credible  
No masonry walls no 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

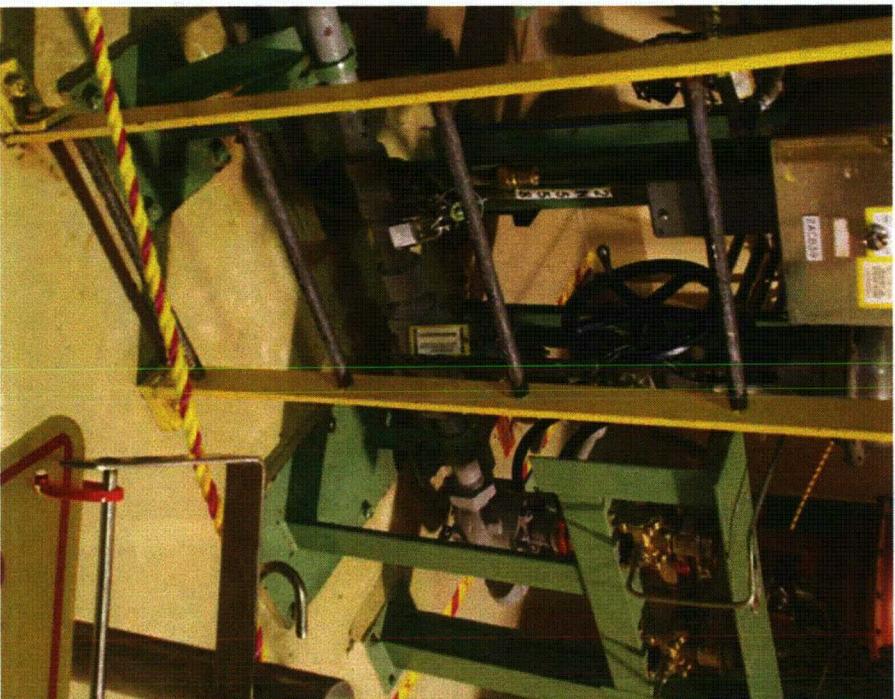
**Comments** (Additional pages may be added as necessary)

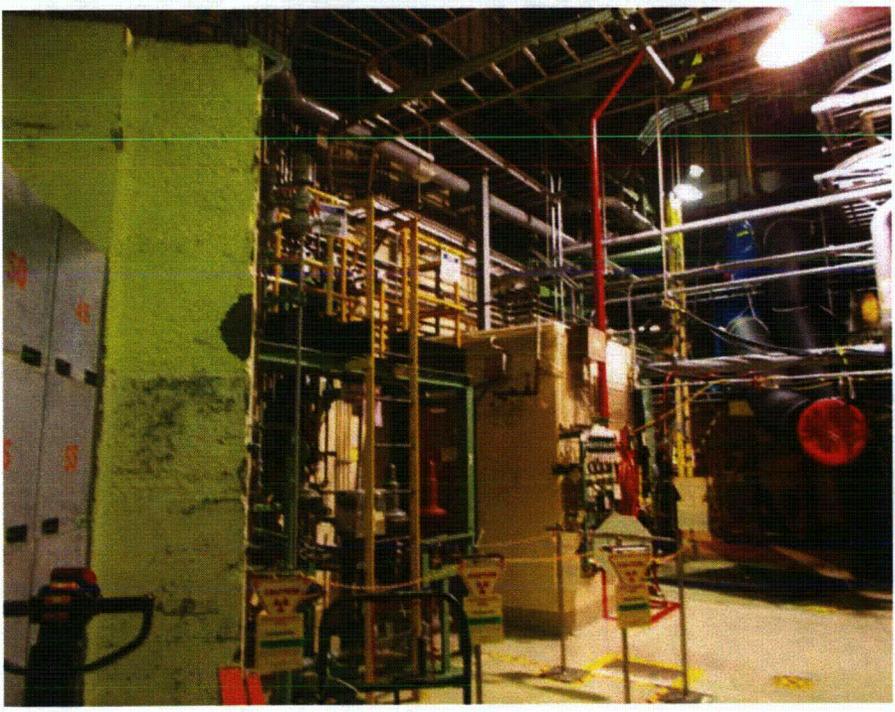
Evaluated by: *H. Ogbain* Date: *8/30/12*

*Ben Fry* *8/31/12*



Equipment ID: SV2-3-33





Equipment ID: SV2-3-33

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. SV23-36  
~~SV2-3-35B~~ Equip. Class<sup>12</sup> (08b) Solenoid Operated Valves

Equipment Description Instrument Air Solenoid Valve

Location: Bldg. Reactor Floor El. 135 Room, Area R2-22

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  
*support*  
*line-mounted valve.*  
*mo 6/30/12*
  
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. SV2-3-35B<sup>36</sup> 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

*Damage from falling light bulbs no credible.  
No masonry walls, no 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

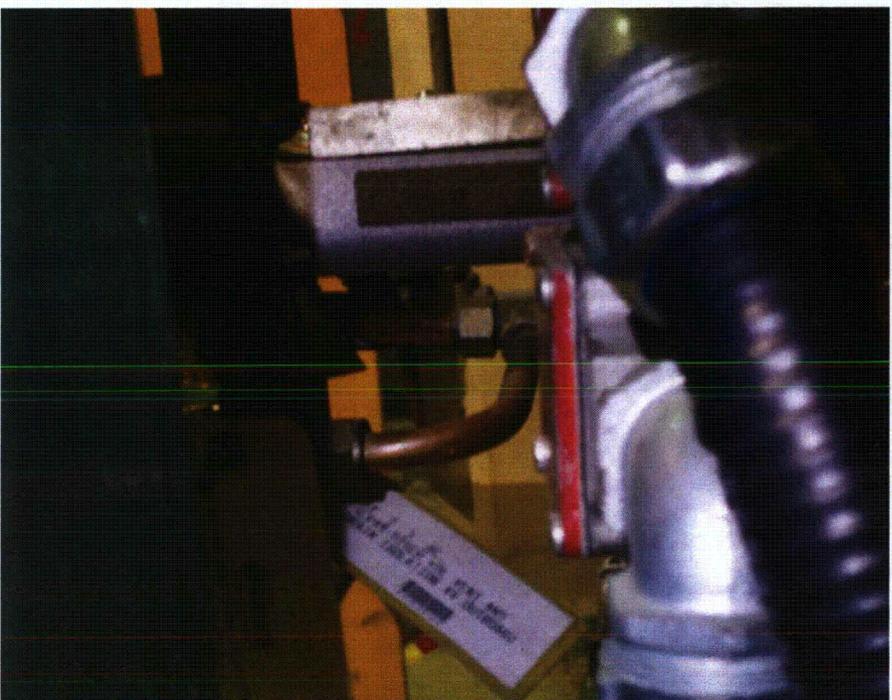
**Other Adverse Conditions**

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

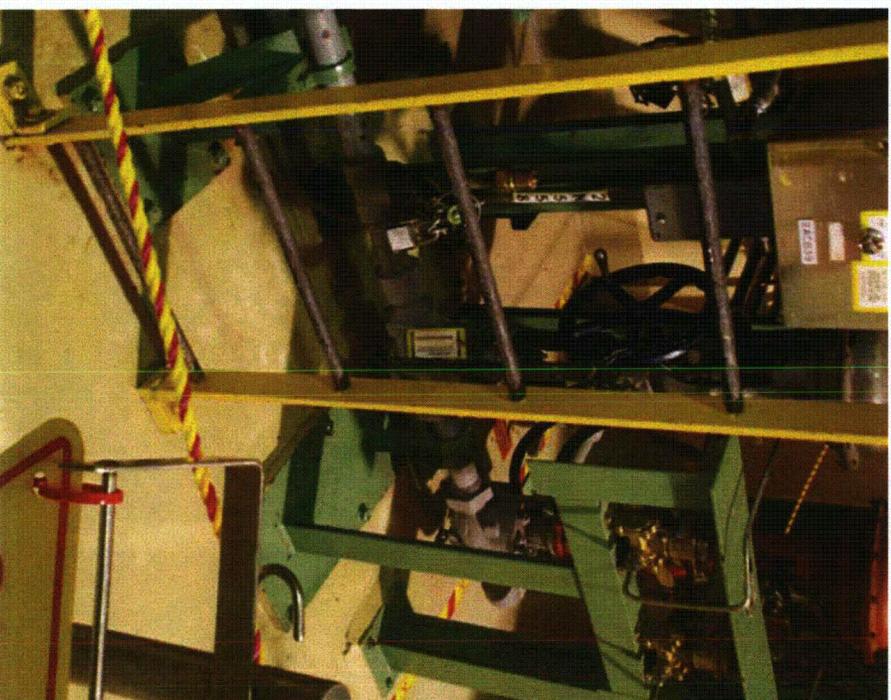
**Comments** (Additional pages may be added as necessary)

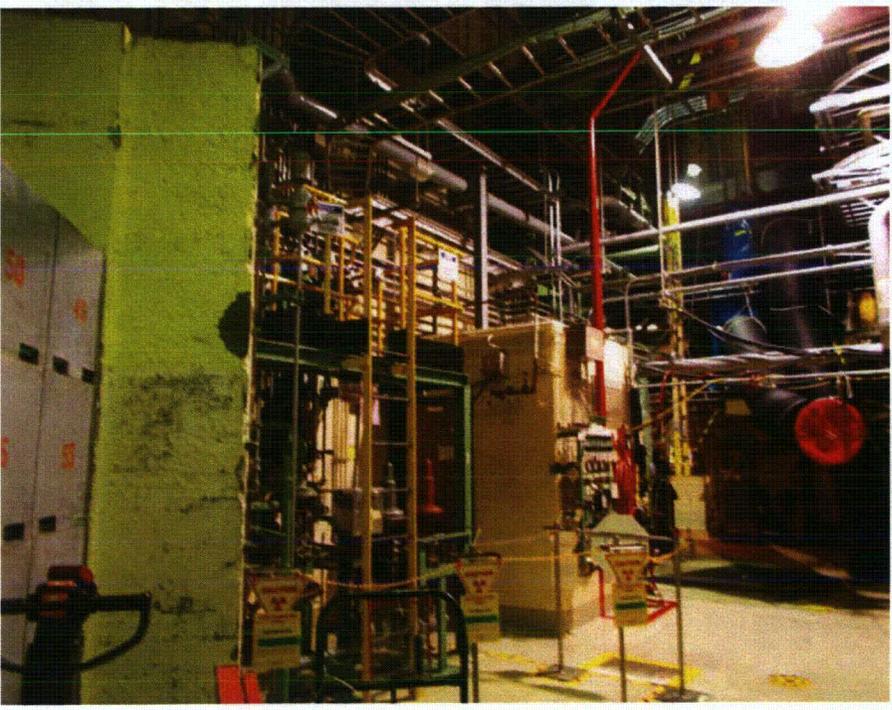
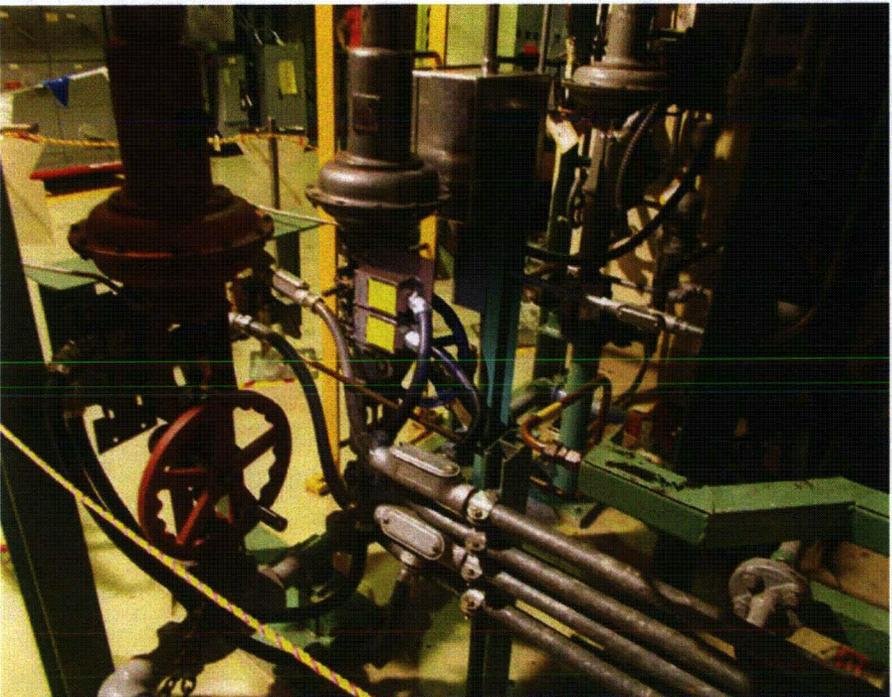
Evaluated by: *M. Aghbaei* Date: 8/30/12

*Ben Fry* 8/31/12



Equipment ID: SV2-3-36





Equipment ID: SV2-3-36

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. TS-2022401 Equip. Class<sup>12</sup> (19) Temperature Sensors  
 Equipment Description HPSW + ESW Equipment Room TS  
 Location: Bldg. Pump House Floor El. 112 Room, Area 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  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*Anchorage in good condition*
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation?  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-20224-01 Equip. Class<sup>12</sup> (19) Temperature Sensors

Equipment Description HPSW/ESW Pump Room Temp Switch

**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.  
~~U2 HPSW Bay~~ U2 HPSW bay is hanging low & unsecured but has no targets.*

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

*no adverse seismic interaction effects.*

**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 adequately secured.*

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

Evaluated by: *[Signature]* Date: 9/25/12  
*[Signature]* 10/8/12

