Seismic Walkdown Checklist (SWC)	
LA/TR     BMF 10/14/12       Equipment ID No. <u>ER-8123B</u> Equip. Class <sup>12</sup> (20) Control Panels 2	& Cabinets
Equipment Description <u>Torus Water Level/Temperature Recorder</u>	· · · · · · · · · · · · · · · · · · ·
Location: Bldg. <u>Turbine</u> Floor El. <u>165</u> Room, Area <u>T</u>	2-100
Manufacturer, Model, Etc. (optional but recommended)	· · · · · · · · · · · · · · · · · · ·
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and ag 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 NK
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YDAND UD N/AD
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
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 V/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

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

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uipment ID No. <u>LR-8123B</u> Equip. Class <sup>12</sup> (20) Control Panels	& Cabinets	at 2 of 2
quipment Description Torus Water Level/Temperature Recorder		
nteraction Effects		
7. Are soft targets free from impact by nearby equipment or structures?	א בע בא אי	¶/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?		N/A□
MCR Leiling consistent with Cale 26-5/2-12 Cale G-106-1 could not be located. see the	, Nevision 0, 01428651	
9. Do attached lines have adequate flexibility to avoid damage?	א בט בא עלץ	<b>√/A</b> □:
	/ .	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?		•
Other Adverse Conditions	•.1	i e ç
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	םט חא איץ	
		x
Comments (Additional pages may be added as necessary)		
Evaluated by: Ban Ju	Date:/0/14	1/12
M.ozhbaen		/12
	•	
		4

## Equipment ID: LR/TR-8123B





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

	Status: 🕢 N U
Seismic Walkdown Checklist (SWC)	
Equipment ID No. LS2-23-91B Equip. Class <sup>12</sup> (18) Instruments on 2	Racks / Not on Racks
Equipment Description Suppression Pool Level Switch	
Location: Bldg. <u>Reactor</u> Floor El. <u>91</u> Room, Area <u>R</u>	2-10
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	an item of equipment on the the results of judgments and any 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 DINK
2. Is the anchorage free of bent, broken, missing or loose hardware? LINE ~ MOUNTED	YX N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
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.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

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

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Sheet 1 of 2

## Sheet 2 of 2

Racks / Not on Racks	
	с <sup>а</sup>
YX N⊡ U⊡	: :12
צא אם עם	
	Y N   Y X   Y X   Y X   Y X   Y X   Y X     Y   Y     Y

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## Equipment ID: LS-2-23-091B







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

Checklist (SWC) ghr 9/17/2012 Equination Service Contract of the following of the followi	hip. Class <sup>12</sup> (18) Instrum <u>nemitter for LR-8123</u> / <u>91</u> Room/ nended) ults of the Seismic Walk questions may be used to a of this checklist for do on required (i.e., is the it ch verification)?	tem one $Y \square$	Not on Racks
ght 9/17/2017 E-8123 A Equ a <u>Torus Water Level Tran</u> tor Floor El. Etc. (optional but recommended by the following of th	tip. Class <sup>12</sup> (18) Instrum <u>nsmitter for LR-8123</u> / <u>91</u> Room, nended) ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the in- ch verification)?	tem one $Y \square$	Not on Racks
<u><b>T-8123</b></u> Equ <u><b>Torus Water Level Tran</b></u> <u>tor</u> <u>Floor El.</u> Etc. (optional but recommendation <b>pleting Checklist</b> used to document the rest ow each of the following of pace is provided at the end pace is provided at the end well items requiring suc	aip. Class <sup>12</sup> (18) Instrum	tem one $Y \square$	Not on Racks
tor <u>Torus Water Level Tran</u> <u>tor</u> Floor El. Etc. (optional but recommended for the following of the follo	<u>91</u> Room, <u>91</u> Room, nended) ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the it ch verification)?	Area $\frac{R_2}{R_2}$	n of equipment on the ults of judgments and r comments.
tor Floor El. Etc. (optional but recommendation pleting Checklist used to document the rest ow each of the following of pace is provided at the end e configuration verification WEL items requiring suc	<u>91</u> Room, nended) ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the in ch verification)?	Area $\underline{R2-4}$ Area $\underline{R2-4}$ Area $\underline{R2-4}$ Area $\underline{R2-4}$ Area Area Area Area Area Area Area Area	n of equipment on the ults of judgments and r comments.
Etc. (optional but recomm pleting Checklist used to document the rest ow each of the following of pace is provided at the end e configuration verification WEL items requiring suc	nended) ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the in ch verification)?	to record the rest cumenting other tem one Y	n of equipment on the ults of judgments and r comments.
pleting Checklist used to document the rest ow each of the following o pace is provided at the end e configuration verification WEL items requiring suc	ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the it ch verification)?	to record the resu cumenting other tem one Y	n of equipment on the ults of judgments and r comments.
used to document the rest ow each of the following o pace is provided at the end e configuration verification WEL items requiring suc	ults of the Seismic Walk questions may be used to i of this checklist for do on required (i.e., is the it ch verification)?	to record the rest cumenting other tem one Y	n of equipment on the ults of judgments and r comments.
e configuration verification SWEL items requiring suc	on required (i.e., is the it th verification)?	tem one Y	NX
e configuration verification SWEL items requiring suc	on required (i.e., is the in the verification)?	tem one Y	Хи
·.			
e free of bent, broken, mi	ssing or loose hardware	? YX	
e free of corrosion that is	more than mild surface	YX	
e free of visible cracks in	the concrete near the ar	ichors? YX	
e configuration consisten estion only applies if the i prage configuration verifie	t with plant documentati tem is one of the 50% fo cation is required.)	ion? Y	N□ U□ N/AX
bove anchorage evaluation	ns, is the anchorage free	of YX	
je b	e configuration consisten stion only applies if the i rage configuration verific ove anchorage evaluation orse seismic conditions?	e configuration consistent with plant documentat stion only applies if the item is one of the 50% for rage configuration verification is required.) hove anchorage evaluations, is the anchorage free orse seismic conditions?	e configuration consistent with plant documentation? $Y \square$ stion only applies if the item is one of the 50% for rage configuration verification is required.) nove anchorage evaluations, is the anchorage free of $Y \bowtie$

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

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QM 9/17/2012	Sheet 2 of 2
Equipment ID No. LT-81238 A Equip. Class <sup>12</sup> (18) Instruments on	Racks / Not on Racks
Equipment Description Torus Water Level Transmitter for LR-8123 A	
Interaction Effects	7/2012
7. Are soft targets free from impact by nearby equipment or structures? No 557 400005	YX NO UO N/AO
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	, YX N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NI UI
Other Adverse Conditions	· · · · · · · · · · · · · · · · · · ·
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
<u>Comments (Additional pages may be added as necessary)</u>	
NA	
Evaluated by:	_ Date:9/17/2012
26 Me	9/17/2012

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## Seismic Walkdown Checklist (SWC)

gm 9/13/2012	
Equipment ID No. M02-06-029 Equip. Class <sup>12</sup> (08a) Motor Operated	1 Valves
Equipment Description Feedwater Stop Valve	WAT 9/13/2012
Location: Bldg. <u>Drywell</u> Floor El. <u>154</u> Room, Area <u>D/W2-23 35</u>	>
Manufacturer, Model, Etc. (optional but recommended)	
<b>Instructions for Completing Checklist</b> This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record a findings. Additional space is provided at the end of this checklist for documenting for the space of the spa	an item of equipment on the he results of judgments and g 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)?	
2. Is the anchorage free of bent, broken, missing or loose hardware? .Line-mounted	Y <b>X</b> N UU N/AU
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
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/AX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YX NO UO

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

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

Equipment ID No. <u>M02-06-029 8</u> Equip. Class <sup>12</sup> (08a) Motor Operated Valves Equipment Description <u>Feedwater Stop Valve</u> <b>nteraction Effects</b> 7. Are soft targets free from impact by nearby equipment or structures? $Y \boxtimes N \square U \square N/A \square$ $NO = 50^{-1} + 4 \exp(45)$ 8. Are overhead equipment, distribution systems, ceiling tiles and lighting. $Y \boxtimes N \square U \square N/A \square$ and masonry block walls not likely to collapse onto the equipment? Temporory colles of ached outs; de of colle trays $W \equiv 2ip \pm 2ip$ $U \square N/A \square$ 10. Based on the above seismic interaction evaluations, is equipment free $Y \boxtimes N \square U \square N/A \square$ 10. Based on the above seismic interaction effects? 20ther Adverse Conditions 11. Have you looked for and found no other seismic conditions that could $Y \boxtimes N \square U \square$ adversely affect the safety functions of the equipment? N/A Evaluated by: $\int Order W = 0$ Date: $\frac{9/13/2012}{9/13/2012}$	to be De	Sheet 2 of 2
Equipment ID No.       M02-06-0292 L       Equip. Class <sup>2</sup> (08a) Motor Operated Valves         Squipment Description Feedwater Stop Valve         Interaction Effects         7. Are soft targets free from impact by nearby equipment or structures?       Y       N       U       N/A        No 50H dorpetty         8. Are overhead equipment, distribution systems, ceiling tiles and lighting.       Y       N       U       N/A         and masonry block walls not likely to collapse onto the equipment?       Tempeorry colles of docked outs; de of colle troys w/ Eip thes judged acceptoble       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 scismic interaction effects?       Y       N       U       N       U         20ther 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         M/A       M/A       M/A       M/A       M/A       M/A       M/A         Evaluated by:	grav allstroit	
Evaluated by: $\frac{Perturner}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$ $\frac{V_{max}}{V_{max}}$	quipment ID No. M02-06-029X B Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
netraction Effects         7. Are soft targets free from impact by nearby equipment or structures?       YX N□ U□ N/A□         No soft dargets         8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YX N□ U□ N/A□         and masonry block walls not likely to collapse onto the equipment?         Temperary cohles attached outs; de off coole trays w/ zip tips; judged acceptable         9. Do attached lines have adequate flexibility to avoid damage?       YX N□ U□ N/A□         10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?       YX N□ U□         Deter Adverse Conditions       11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?       YX N□ U□         Comments (Additional pages may be added as necessary)       N/A         N/A       Evaluated by:       Jany Wiggin         Date:       9/13/2012	quipment Description Feedwater Stop Valve	
7. Are soft targets free from impact by nearby equipment or structures?       YX N□ U□ N/A□         No       soft       dorgets         8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YX N□ U□ N/A□         and masonry block walls not likely to collapse onto the equipment?       Temporary         Temporary       colles       oft-ocles         9. Do attached lines have adequate flexibility to avoid damage?       YX N□ U□ N/A□         10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?       YX N□ U□         Dther Adverse Conditions       11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?       YX N□ U□         Comments (Additional pages may be added as necessary)       N/A         N/A       Evaluated by:       Jany Wriggien         Date:       9/13/2012	iteraction Effects	
<ul> <li>8. Are overhead equipment, distribution systems, ceiling tiles and lighting. Y(N ∩ U ∩ N/A and masonry block walls not likely to collapse onto the equipment? Temporory colles off-orded outside of colle troys w/ zip tip tips judged occeptoble</li> <li>9. Do attached lines have adequate flexibility to avoid damage? Y(N ∪ U N/A)</li> <li>10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?</li> <li>2. Deter Adverse Conditions</li> <li>11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?</li> <li>2. Comments (Additional pages may be added as necessary)</li> <li>N/A</li> </ul>	7. Are soft targets free from impact by nearby equipment or structures? No soft dorgets	YX NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage? 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? 10. Based on the above seismic interaction effects? 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? 12. Additional pages may be added as necessary) N/A Evaluated by: <u>Janux Wiquin</u> Date: <u>9/13/2012</u> <u>9/13/2012</u>	8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Temporary cohles attached outs; de 5t coble tray Judged acceptable	YX N□ U□ N/A□ Is w/ Zìp \$ips
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?       YX N□ U□         Dther Adverse Conditions       11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?       YX N□ U□         Comments (Additional pages may be added as necessary)       N/A         Svaluated by:       Jank Wiggin       Date: 9/13/2012	9. Do attached lines have adequate flexibility to avoid damage?	
Dther Adverse Conditions         11. Have you looked for and found no other seismic conditions that could y N U         adversely affect the safety functions of the equipment?         Comments (Additional pages may be added as necessary)         N/A         Evaluated by:       Janux Wiquin         Date:       9/13/2012	10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	צא חם עם
Comments (Additional pages may be added as necessary) N/A Evaluated by: <u>Janux Wiqqin</u> Date: <u>9/13/2012</u> <u>9/13/2012</u>	<ul> <li>ther Adverse Conditions</li> <li>11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?</li> </ul>	צא חם א
Comments (Additional pages may be added as necessary)         N/A         By any Miggin         Date:       9/13/2012         2:       9/13/2012		
N/A Evaluated by: <u>Janux Wiggun</u> Date: <u>9/13/2012</u> <u>X: 1/5</u>	omments (Additional pages may be added as necessary)	· · ·
Evaluated by: <u>Janus Wiggum</u> Date: <u>9/13/2012</u> <u>X: 1/5</u> <u>9/13/2012</u>	NIA	
Evaluated by: <u>Janus Wigquin</u> <u>Date: <u>9/13/2012</u> <u>9/13/2012</u></u>		
X= 9/13/2012		Date: 9/13/2012
	valuated by: Janux Wiggun	
	Ivaluated by: <u>Janus Wiggum</u>	9/13/2012
	Ivaluated by: <u>Janus Wiggum</u>	9/13/2012

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## Equipment ID: MO2-06-029B



## Seismic Walkdown Checklist (SWC) QAN \$130/2013 Equipment ID No. M02-10-013R Equip. Class<sup>12</sup> (08a) Motor Operated Valves QW 8/30/2012 Equipment Description <u>RHR Pump B Torus Suction (2AP035</u> Room, Area R2-X Location: Bldg. Reactor Floor El. 91 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 $Y \square N$ of the 50% of SWEL items requiring such verification)? 2. Is the anchorage free of bent, broken, missing or loose hardware? . Line-mounted NO UO N/AO 3. Is the anchorage free of corrosion that is more than mild surface oxidation? YX NO UO N/AO 4. Is the anchorage free of visible cracks in the concrete near the anchors? 5. Is the anchorage configuration consistent with plant documentation? Y N U V/A (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) ם בא אַץ 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? <sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

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

0 m 8/20/2012	Sheet 2 of 2
Equipment ID No. M02-10-013 Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
Equipment Description <u>RHR Pump &amp; Torus Suction (2AP035)</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? No soft torgets	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially 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?	ע חע אַע
Comments (Additional pages may be added as necessary).	
N/A	
	, 
Evaluated by: James Wrappin	Date: <u>8/30/2012</u>
X: It	8/30/2012

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## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>M02-10-015B</u> Equip. Class <sup>12</sup> (08a) Motor Operated Valves
Equipment Description <u>RHR Pump B Shutdown Cooling Suction (202035)</u>
Location: Bldg. <u>Reactor</u> Floor El. <u>116</u> Room, Area <u>R2-18</u>
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 Y NX NX of the 50% of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? YX NU UU N/AU . Line mounted horizontally w/ octuator supported vertically
on spring-can rod hanger
3. Is the anchorage free of corrosion that is more than mild surface YX N□ U□ N/A□ oxidation?
4. Is the anchorage free of visible cracks in the concrete near the anchors? $Y X N = U N/A$
SPRING CAN MOUNTED TO STRUCTURAL STEEL
5. Is the anchorage configuration consistent with plant documentation? Y□ N□ U□ N/AX (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 YX N□ U□ potentially adverse seismic conditions?
· · · · · · · · · · · · ·

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

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

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## Sheet 2 of 2

Equipment ID No. M02-10-015B Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
Equipment Description RHR Pump B Shutdown Cooling Suction (2CP035)	23/12
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? NO SON 421045	YX ND UD N/AD
<ul> <li>8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?</li> <li>No overheads</li> </ul>	
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	צא חע א
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	· · ·
NA	•
· · · · · · · · · · · · · · · · · · ·	
Evaluated by: Janut Wiggin	Date: 8/31/2012
20 J&	8/31/2012

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

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Equipment ID: MO-2-10-015B

# Equipment ID: MO-2-10-015B







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

## Seismic Walkdown Checklist (SWC)

Equipment ID No. M02-10-018 Equip. Class <sup>12</sup> (08a) Motor Operated	1 Valves
Equipment Description RHR Shutdown Cooling Suction Inboard Isolation Valve	2
Location: Bldg. <u>Drywell</u> Floor El. <u>134</u> Room, Area <u>D/W2-17</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the he results of judgments and g 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 DIN
2. Is the anchorage free of bent, broken, missing or loose hardware? . Line - mounted	YX NI UI N/AI
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
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.)	א םט מא מאַא/א <b>מ</b>
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

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

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

Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? .No soft targets	YKALIULIN/ALI
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YX NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Nearby insulated pipes have sufficient clears	YX N□ U⊡ m <i>C</i> ?
Other Adverse Conditions	
adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
N/A	
	· ·
Evaluated by: Janus Wiggin	Date: 9/13/2012
2. AL	9/13/2017

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







Seismic Walkdown Checklist (SWC)	<u> </u>
gin alsoloolo	
Equipment ID No. M02-10-176 Equip. Class <sup>12</sup> (08a) Motor Operated	Valves
Inn Pr 9" 4/30/2012 Equipment Description <u>HPSW to RHR Emergency Outer-Cross-tie</u>	
Location: Bldg. <u>Reactor</u> Floor El. <u>91</u> Room, Area <u>R2</u>	-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 a SWEL. The space below each of the following questions may be used to record th findings. Additional space is provided at the end of this checklist for documenting	in item of equipment on the ne results of judgments and s 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 INX
2. Is the anchorage free of bent, broken, missing or loose hardware? Line-mounted horizontally w/ actuator st vertically on spring-can red hanger	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors? SPRING CAN MOUNTED TO STRUCTURAL STEEL	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

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

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

nm aladious	Sheet 2 of 2
, 11	
Equipment ID No. M02-10-176 T Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
Equipment Description <u>HPSW to RHR Emergency Outer-Cross-tie</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? No Soft Hargets	YX NI UN N/A
<ul> <li>8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?</li> <li>No overheads</li> </ul>	
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NO UO
· · · · · · · · · · · · · · · · · · ·	
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX UD
<u>Comments</u> (Additional pages may be added as necessary)	
NIA	
Evaluated by: Jan Wiggin	Date: 8/31/2017
~ 95	9/31/2012

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

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## Sheet 1 of 2 Status: $(\hat{Y})$ N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>M02-23-014</u> Equip. Class <sup>12</sup> (08a) Motor Operated	d Valves
Equipment Description HPCI Turbine Steam Supply Valve	
Location: Bldg. <u>Reactor</u> Floor El. <u>88</u> Room, Area <u>R</u>	2-13
Manufacturer, Model, Etc. (optional but recommended)	<u></u>
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record a findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and og 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)?	YD NX
2. Is the anchorage free of bent, broken, missing or loose hardware? .Line-mounted	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YX N□ U□ N/A□
<ol> <li>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.)</li> </ol>	Y□ N□ U□ N/AX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	ҮХ и□ и□

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

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

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### Sheet 2 of 2

Equipment Description HPCI Turbine Steam Supply Valve **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? No soft targets 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YX N UNA and masonry block walls not likely to collapse onto the equipment? . Scattolding and overhead securely 40 mounted nearby stee 9. Do attached lines have adequate flexibility to avoid damage? ע אע צע 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? **Other Adverse Conditions** YX ND UD 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? **Comments** (Additional pages may be added as necessary) N/A 8/30/2012 \_\_\_\_\_ Date: Evaluated by:

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

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## Seismic Walkdown Checklist (SWC)

Equipment ID No. M02-30-2233A Equip. Class <sup>12</sup> (08a) Motor Operated	d Valves
Equipment Description <u>Unit 2 Sluice Gate A</u>	
Location: Bldg. <u>Screen House</u> Floor El. <u>116</u> Room, Area <u>S</u> /	/ <u>H-4</u>
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record to findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and og 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)?	YX⊓
2. Is the anchorage free of bent, broken, missing or loose hardware? .See Comment #1	
3. Is the anchorage free of corrosion that is more than mild surface oxidation? .Gee Comment #1	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Sec Comment #1	
<ul> <li>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.)</li> <li>Modules Dwo, # 6280-620-10-4 (Rev. 19)</li> </ul>	¥) N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	
	anta 1915 - Angeland Angeland 1917 - Angeland

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

## Sheet 2 of 2

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upment Description <u>Unit 2 Stuice (</u>	Jule A		
teraction Effects			
7. Are soft targets free from impact · No soft targets	ct by nearby equipment or structures?	YXND UD N/AD	
8. Are overhead equipment, distril and masonry block walls not lik	bution systems, ceiling tiles and lighting kely to collapse onto the equipment?	, YX N□ U□ N/A□	
9. Do attached lines have adequate	e flexibility to avoid damage?		
<ol> <li>Based on the above seismic inte of potentially adverse seismic in</li> </ol>	eraction evaluations, is equipment free nteraction effects?	צע חט עם	
her Adverse Conditions 11. Have you looked for and found adversely affect the safety func	no other seismic conditions that could tions of the equipment?		
her Adverse Conditions 11. Have you looked for and found adversely affect the safety func	no other seismic conditions that could tions of the equipment?	YX NO UO	
her Adverse Conditions 11. Have you looked for and found adversely affect the safety funct mments (Additional pages may be add MAN 9/2/2012 T=1. E voluction inoccessobi inspection	no other seismic conditions that could tions of the equipment? ded as necessary) only applies to motor - op lity of actual sluice go	YX NO UD mercher due to te for visual	
her Adverse Conditions 11. Have you looked for and found adversely affect the safety func mments (Additional pages may be add MAA THI. E voluction inoccessobi inspection aluated by: <u>QCMW Wagg</u>	no other seismic conditions that could tions of the equipment? ded as necessary) only applies to motor - op lity of actual sluice go	YX N□ U□ mentation due to te for visual 	

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# Equipment ID: MO2-30-2233A



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- 41.

Equipment ID No. M02-32-2486 Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
Equipment Description HPSW Return Valve to Discharge Pond	
Location: Bldg. <u>Diesel Generator</u> Floor El. <u>121</u> Room, Area <u>D</u> <u>Building</u>	/G-2
Manufacturer, Model, Etc. (optional but recommended)	<u> </u>
Instructions for Completing Checklist	· · ·
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record the findings. Additional space is provided at the end of this checklist for documenting	an item of equipment on the the results of judgments and ng 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/AØ <sup>S/24/12</sup>
	Mo
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	YX NO UO N/A
	MO 8/28/12
4. Is the anchorage free of visible cracks in the concrete near the anchors? Value is line mounted.	
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.)	YLINLIULIN/AX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YKAND UD

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

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#### Sheet 2 of 2

nteraction Effects					,
7. Are soft targets free from impact by nearby equipment or structures? No soft fargets	YØ	N	נ יםט	VAR	Вм <i>і</i> <i>К</i> /27/
<ul> <li>8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?</li> <li>The light bulbs may fall during seismic event. However, no credible damage is plansible.</li> </ul>	ΥØ	N	ו 🗖	¶/A□	
- No ceiling tiles or mosonry block. 9. Do attached lines have adequate flexibility to avoid damage?	ΥØ	N	ບ ຼາ	¶/A□	-
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YPS	N	υ		: .
· · · · · · · · · · · · · · · · · · ·					
Other Adverse Conditions					
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YX	N	υロ		
Comments (Additional pages may be added as necessary)					<u> </u>
Evaluated by: <u>M-05hbai</u>	_ Date	:	8/28	/12	
Ben Frys	_		8/29	/12	
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Equipment ID No. <u>M02-48-2804A</u> Equip. Class <sup>12</sup> (08a) Motor Operate	d Valves
Equipment Description HPSW Discharge Inlet Outer Valve	
Location: Bldg. <u>Emergency</u> Floor El. <u>114</u> Room, Area <u>Eu</u> <u>Cooling Towers</u>	<u>CT-1</u> alve 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 SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and ag 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 NX
2. Is the anchorage free of bent, broken, missing or loose hardware? BMF Line mounted equipment	
<ul><li>3. Is the anchorage free of corrosion that is more than mild surface oxidation?</li></ul>	Y⊠ N⊡ U⊡ N/A⊡
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YXC 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 IN UNAR
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y)21 NO UO

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

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#### Sheet 2 of 2

Equipment ID No. <u>M02-48-2804A</u> Equip. Class <sup>12</sup> (08a) Motor Operate	ed Valves
Equipment Description <u>HPSW Discharge Inlet Outer Valve</u>	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? No soft torgets	YPY NO UO N/ACI
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Lighting properly secured with closed It is not credible for falling floor escent bulbs to damage equ	YDAND UD N/AD S-hooks, uipment.
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NO UO
Other Adverse Conditions	
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	
Comments (Additional pages may be added as necessary)	
Evaluated by: <u>M. oghbaen</u>	Date 8/28 /12
Ban Fran	8/29/12

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Equipment ID: MO-2-48-2804A

POD-2-40H-20223-03 BMF 10/23/12 Equipment ID No. 0-20223-3- Equip. Class <sup>12</sup> (10) Air Hand	AL
Equipment Description HPSW Pump Room A Loop Supply	Damper Outside Air Supply
Location: Bldg. Pump Struzture Floor El. 112 Room, Area P/H-6	10/16/12
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the he results of judgments and g 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)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
<ul> <li>4. Is the anchorage free of visible cracks in the concrete near the anchors?</li> <li>No positive connection between domper and support from of tropeze style support, unit judged to move with event , no concern</li> <li>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.)</li> </ul>	YX NO UO N/AO ne based on flex.bility supports in c seismic YO NO UO N/AX
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	ע ⊡ע ע

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

Sheet 2 of 2 10-2-40H-20223-03 BMF 10/23/12 Equipment ID No. <del>PO-20223</del> Equip. Class<sup>12</sup> (10) Air Handlers Dutside Air Equipment Description HPSW Pump Room A-1000 Damper TIDDIV Sampe **Interaction Effects** 7. Are soft targets free from impact by nearby equipment or structures? YX NO UD N/AD . No soft targets 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? 9. Do attached lines have adequate flexibility to avoid damage? YN DU 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? **Other Adverse Conditions** ם בא איץ 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Comments (Additional pages may be added as necessary) IPEEE: Tubing routed through protective enclosure mounted to damper support frome and is is protected from contact with conduit. Evaluated by: January Wiggin \_\_\_\_\_ Date: \_\_\_ 8/31/2017

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Equipment ID: POD-2-40H-20223

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

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PO2-2-40H-20223-04 BMF 10/23/12
Equipment ID No. +0-20223-4 Equip. Class <sup>12</sup> (10) AIR HANDLERS
Equipment Description HPSW PUMP ROOM B-LOOP EXHAUST DAMPER to room damp
Location: Bldg. PUMP STRUCTUREFloor El. 1/2 Room, Area P/H-6 B
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 Y□ N⊠ of the 50% of SWEL items requiring such verification)?
2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U V N/A
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation?
<ul> <li>4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N□ U□ N/A□ NØ POSINVE CONNECTION BET USEN DAMPER AND SUPPORT FRAME. BASED ON FLEXIBILITY OF TRAPEZE-STYLE SUPPORT, UNIT SUBGED TO MOVE WITH SUPPORT DURING A SUSANLE EVENT NO CONCERN.</li> <li>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.)</li> </ul>
6. Based on the above anchorage evaluations, is the anchorage free of Y∑ N□ U□ potentially adverse seismic conditions?
<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

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	Sheet 2 of 2
PO2-2-40H-20223-04 BMF 10/23/12	·
Equipment ID No. <u>-<del>PO - 20223-44</del></u> Equip. Class <sup>12</sup> (10) AIR H	ANNLIERS Exhaust repusin
Equipment Description HPSW PUMP ROOM R. LOOP EXH40.	ST DAMPER room damper
nteraction Effects	BM
7. Are soft targets free from impact by nearby equipment or structures? $\mathcal{W}\mathcal{A}$	
	· ·
8. Are overhead equipment, distribution systems, ceiling tiles and lighting and masonry block walls not likely to collapse onto the equipment?	ng, Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially 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?	d XYX N□ U□
Comments (Additional pages may be added as necessary)	· · · · · · · · · · · · · · · · · · ·
IPECE: TUBING ROWTED THROUGH PROTECTIVE ENCL	LOSURE MAILATED
TO DAMPUR SUPPORT FRAMEAND : 15 PROT WITH CONDILIT KE 9/11/2012	TECTED FRAM CONTRACT
Evaluated by: Janua Wigam	Date: <u>8/31/2012</u>
De At	8/31/2012

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

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Equipment ID No. PT2-2-3-404A Equip. Class <sup>12</sup> (18) (nstruments	on Racks/Not on Racks
Equipment Description Reactor Pressure Transmitter	
Location: Bldg. Reacter 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 SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the he results of judgments and g 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⊠ÍN⊡
2. Is the anchorage free of bent, broken, missing or loose hardware?	
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?	YKAN UN VAR
<ul> <li>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.)</li> </ul>	$Y \boxtimes N \square U \square N/A \square$ 55/Sheet 1).
<ul> <li>6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?</li> </ul>	YKAND UD

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

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Equipment ID No	72-02-3-404A	_ Equip. Class <sup>12</sup> ((§)	Instruments	on Racks 1	Not on Racks
Equipment Description	Reactor Press	ire transmitter			

#### **Interaction Effects**

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

No Soft targets.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, YK N□ U□ N/A□ and masonry block walls not likely to collapse onto the equipment?
No ceiling tiles or masonry block walls.

light bulb fail will not cause credible damage.

- 9. Do attached lines have adequate flexibility to avoid damage?
- 10. Based on the above seismic interaction evaluations, is equipment free Y⊠ N□ U□ of potentially adverse seismic interaction effects?

#### **Other Adverse Conditions**

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

Comments (Additional pages may be added as necessary)

Evaluated by: _	19. oghbaci	Date:	8/30/12
-	0		
-	Ben fry		8/31/12









Equipment ID No. <u>PT-2508</u> Equip. Class <sup>12</sup> (18) Instruments on Equip.	Racks / Not on Racks
Equipment Description <u>Containment Drywell Pressure Transmitter for PR-250</u>	8
Location: Bldg. <u>Reactor</u> Floor El. <u>195</u> Room, Area <u>R</u>	2-53
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the the results of judgments and ng 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)?	YD NA
	· .
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 NAM
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? BMF 8/30/44 The sensor U=5 bracket is mounted to the verter	YXI NO UD bal pipe with ~ 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.

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	A	BMF
Equipment ID No	PT-2508R	8/30/13

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

Equipment Description <u>Containment Drywell Pressure Transmitter for PR-2508</u>

Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	YXIN UUN/AU
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? no ceiling tiles or masonry block walls.	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?	YBN 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: <u>M.oghbaci</u>	Date: <u>8/30/12</u>
Ber Pry-	8/30/12

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# Equipment ID: PT-2508A









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



Equipment ID No. PTZ-06-053 B Equip. Class <sup>12</sup> (18) Instrument.	s on Racks / abot on Racks
Equipment Description Reactor Wide Range Pressure Transmit	ter
Location: Bldg. Reactor Floor El. 165 Room, Area <u>R2-40</u>	
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record findings. Additional space is provided at the end of this checklist for documenting the space of t	an item of equipment on the the results of judgments and ng 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)?	YK N
2. Is the anchorage free of bent, broken, missing or loose hardware?	YKIN□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	YKIND UD N/AD
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	
Anchorage to rack verified per Dug. M-1-EE-170, Sheet 1, Ki	N. 50 .
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YKIND UD

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

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Sheet 2 of 2

	·
iteraction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	
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?	YX N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NI UI
)ther Adverse Conditions	· ·
11. Have you looked for and found no other seismic conditions that could	YX NI UI
adversely affect the safety functions of the equipment?	
adversely affect the safety functions of the equipment?	
adversely affect the safety functions of the equipment?	
adversely affect the safety functions of the equipment?	
2000 and a second secon	
2000 and a subset of the equipment?	
Adversely affect the safety functions of the equipment?	
omments (Additional pages may be added as necessary)	, <u>,</u>
<u>Comments</u> (Additional pages may be added as necessary)	
omments (Additional pages may be added as necessary)	
Comments (Additional pages may be added as necessary)	Date: <u>8/36/12</u>
<u>Somments</u> (Additional pages may be added as necessary)	Date: <u>8/30/12</u> <i>8/31/12</i>
<u>Somments</u> (Additional pages may be added as necessary)	Date: $\frac{8/3^{12}}{$
Zomments (Additional pages may be added as necessary)	Date: $\frac{8/36/12}{8/31/12}$
waluated by: <u>M. oghbaei</u>	Date: $\frac{8/30/12}{8/31/12}$









# Sheet 1 of 2 Status: (Y) N U

## Seismic Walkdown Checklist (SWC)

Equipment ID No. <u>RV2-02-071</u> Grad Alignment ID No. <u>RV2-070</u> Grad Alignmen	Valves
Equipment Description <u>Safety Relief Valve X</u>	000 9/15/2012
Location: Bldg. <u>Drywell</u> Floor El. <u>155</u> Room, Area <u>D/W2-X</u> 3	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 SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the he results of judgments and g 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 II N
2. Is the anchorage free of bent, broken, missing or loose hardware? -Line-mounted	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	
<ol> <li>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.)</li> </ol>	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	

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

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Equipment ID No. RV2-02-0711 Equip. Class <sup>12</sup> (07) Fluid (Air/Hyd) Valves		
Equipment Description Safety Relief Valve X		
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structures? -No soft dargets		
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YX NO UO N/AO	
9. Do attached lines have adequate flexibility to avoid damage?		
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	צא חשע א	
Other Adverse Conditions		
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	ע בוע אַץ	
<u>Comments</u> (Additional pages may be added as necessary)		
NIA		
Evaluated by: Janus Wiggin	Date: 9/13/2012	
X. la	9/13/2012	

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ghr 9/15/2012 Equipment ID No. RV2-02-071X Equip. Class<sup>12</sup> (07) Fluid QЖ Equipment Description Safety Relief Valve Room, Area D/W2-27 35 gr 9/13/2013 Location: Bldg. Drywell Floor El. 155 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 Y N of the 50% of SWEL items requiring such verification)? YX NO UO N/AO 2. Is the anchorage free of bent, broken, missing or loose hardware? Ling-mounted 3. Is the anchorage free of corrosion that is more than mild surface oxidation? 4. Is the anchorage free of visible cracks in the concrete near the anchors? 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.) YX NO UD 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?

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

GAT 9/13/2012	Sheet 2 of 2
Equipment ID No. <u>RV2-02-071</u> K Equip. Class <sup>12</sup> (07) Fluid (Air/Hyd)	Valves
Equipment Description Safety Relief Valve X	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? .No soft targets	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	YXX NO UO N/AO
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YX NO UO
<u>Other Adverse Conditions</u> 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	צא חע עם
<u>Comments (Additional pages may be added as necessary)</u> N/A	
Evaluated by: <u>Janwy Wiggin</u> Z. IL	Date: <u>9/13/2012</u> 9/13/2012

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

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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. <u>Reactor</u> Floor El. <u>88</u> Room, Area <u>R</u>	2-13		
Manufacturer, Model, Etc. (optional but recommended)	<u> </u>		
<b>Instructions for Completing Checklist</b> 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)?			
$\Delta \mu$ is a single state of the second state of the second state $\lambda$ . The second state $\lambda$			
2. Is the anchorage free of bent, broken, missing or loose hardware? Ling - mounted			
3. Is the anchorage free of corrosion that is more than mild surface oxidation?			
4. Is the anchorage free of visible cracks in the concrete near the anchors?			
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.)			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?			

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

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#### Sheet 2 of 2

YX NO UO N/AO

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YX NO UO

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?  $YX N \square U \square N/A \square$ . No soft dargets
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
- 9. Do attached lines have adequate flexibility to avoid damage?
  YX N□ U□ N/A□
  Close preximity of volve to HPCI lube 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 YX N□ U□
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially 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?

Comments (Additional pages may be added as necessary)

# N/A

\_\_\_\_ Date: \_\_ Evaluated by: 8/30/2012



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## Seismic Walkdown Checklist (SWC)

$5^{\nu}$ -2-3-33 Equipment ID No. $\frac{5^{\nu}$ -2-3-32A- Equip. Class <sup>12</sup> (08b) Solenoid Opera	ited Valves
Equipment Description Instrument Air Solenoid Valve	
Location: Bldg. <u>Reactor</u> Floor El. <u>135</u> Room, Area <u>R</u>	2-22
Manufacturer, Model, Etc. (optional but recommended)	
Instructions for Completing Checklist	· · · · · · · · · · · · · · · · · · ·
This checklist may be used to document the results of the Seismic Walkdown of SWEL. The space below each of the following questions may be used to record t findings. Additional space is provided at the end of this checklist for documentin	an item of equipment on the he results of judgments and g 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)?	
2. Is the anchorage free of bent, broken, missing or loose hardware?	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	
4. Is the anchorage free of visible cracks in the concrete near the anchors? Support Hore-mounted valve No 8/34/12	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Y□ N□ U□ N/A⊠
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	YK) N UU

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

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Bauinment Description Instrument Air Solenoid Value	
nteraction <u>Effects</u>	··· •• ·
7. Are soft targets free from impact by nearby equipment or structures?	Y 🕅 N 🗆 N/A 🗆
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	
Dumage From falling light bulks not credible. No masonry walks no celiny tites	
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially 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?	בט בא מץ
Comments (Additional pages may be added as necessary)	
Comments (Additional pages may be added as necessary)	
<u><b>Comments</b></u> (Additional pages may be added as necessary)	
<u>Comments (Additional pages may be added as necessary)</u>	
Comments (Additional pages may be added as necessary) Evaluated by:M.oglbaci	Date: <u>8/30/12</u>





## Seismic Walkdown Checklist (SWC)

5V <del>23</del> -36 Equipment ID No <u>SV2-3-35B-</u>	Equ	ip. Class <sup>12</sup> (08	b) Solenoid Ope	erated Valves	
Equipment Description Instrument	<u>Air Solenoid</u>	Valve			·
Location: Bldg. <u>Reactor</u>	Floor El.	135	Room, Area	R2-22	· - · · · · · · · · · · · · · · · · · ·
Manufacturer, Model, Etc. (optional	l but recomn	nended)			
Instructions for Completing Chec	klist				
This checklist may be used to docur SWEL. The space below each of the findings. Additional space is provid	nent the resu e following c ed at the end	lts of the Seisr uestions may b of this checkli	nic Walkdown of to record st for document	of an item of each of the results of ing other com	quipment on the judgments and ments.
Anchorage			· .		
1. Is the anchorage configuration of the 50% of SWEL items r	on verificatio equiring suc	on required (i.e h verification)'	., is the item one	e Y⊡ N <b>⊠</b>	
·			2.		
2. Is the anchorage free of bent	, broken, mi	ssing or loose l	ardware?	YKI ND I	U N/A
· · ·					
3. Is the anchorage free of corr oxidation?	osion that is	more than mile	l surface	YX ND	
4. Is the anchorage free of visit support Line-mounted value mo \$/30/12	ble cracks in	the concrete no	ear the anchors?	YA ND	U[] N/A[]
5. Is the anchorage configurati (Note: This question only an which an anchorage configu	on consisten oplies if the i ration verifi	t with plant doo tem is one of th cation is require	cumentation? ne 50% for ed.)	Y NY	U N/A 🛛
6. Based on the above anchora potentially adverse seismic	ge evaluation conditions?	ns, is the ancho	rage free of	Y <b>⊠</b> N⊡	U
· · ·					

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

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

Equipment ID No. <u>SV2-3-35B</u> Equip. Class <sup>12</sup> (08b) Solenoid Oper	ated Valves
Equipment Description Instrument Air Solenoid Valve	
Interaction Effects	· .
7. Are soft targets free from impact by nearby equipment or structures?	
· · · · · · · · · · · · · · · · · · ·	
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Damage from falling (1ght bv/bs no ceilible No magonry walls, no ceiling fites.	
9. Do attached lines have adequate flexibility to avoid damage?	
10. Based on the above seismic interaction evaluations, is equipment free of potentially 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?	
Comments (Additional pages may be added as necessary)	
Evaluated by: 14.03hbae	Date: <u>8/30/12</u>
Ben Jag	8/31/12_
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Sheet 1 of 2 Status: N U

	Seismic Walkdown Checklist (SWC)
	Equipment ID No. 15-20224BL Equip. Class <sup>12</sup> (19) Temperature Sensor
	Equipment Description HPSW+ESW Equipment Room TS
-	Location: Bldg. Pure House Floor El. 12 Room, Area P/H-6
	Manufacturer, Model, Etc. (optional but recommended)
n An staard	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 Y□ N□ of the 50% of SWEL items requiring such verification)?
	2. Is the anchorage free of bent, broken, missing or loose hardware? YFN UUN/AU Anchorage in good condition
	3. Is the anchorage free of corrosion that is more than mild surface Y N□ U□ N/A□ oxidation?
	4. Is the anchorage free of visible cracks in the concrete near the anchors? YAND UD NAD
	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.)
	6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? U□

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

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

Equipment ID No. 75-20224-01 Equip. Class<sup>12</sup> (19) Temperature Sensors Equipment Description \_HASWa (55W Pump Koom Switch **Interaction Effects** SETTERN 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, Y and masonry block walls not likely to collapse onto the equipment? No II / I concerns dentified. vyseculed low but has no targets. 9. Do attached lines have adequate flexibility to avoid damage? 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? ~ sector and a second and **Other Adverse Conditions** YEND UD 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? is advantaly secured. scaffolding <u>Comments</u> (Additional pages may be added as necessary) <u>9/25/12</u> 10/8/17 Date: Evaluated by:

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