Seismic Walkdown Checklist (SWC) <u>SWEL1- 045</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>SZ51B002A</u> Equip. Class¹ <u>9 - Fans</u>	
Equipment Description Supply Fan (Control Room A/C Unit Fan)	
Location: Bldg. <u>CB</u> Floor El. <u>133</u> Room, Area <u>OC302, CB</u>	
Manufacturer, Model, Etc. (optional but recommended) Buffalo Forge Co., 730	-BLD
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 t findings. Additional space is provided at the end of this checklist for documenting	he results of judgments and
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□
 Is the anchorage free of bent, broken, missing or loose hardware? Fan skid is mounted to the concrete pedestal with (12) 7/8" dia. anchor bolts. 	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
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 was checked against drawings C-0606 & M622.0-	Y⊠ N□ U□ N/A□
QSZ51B002A-A-1.1-001, and the configuration shown on the drawing matched the field condition.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) <u>SWEL1- 045</u>	Status: Y⊠ N□ U□	
Equipment ID No. <u>SZ51B002A</u> Equip. Class: <u>9 - Fans</u>		
Equipment Description Supply Fan (Control Room A/C Unit Fan)		
Interaction Effects		
7. Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target.	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? All overhead items (conduit) are rigidly supported.	Y⊠ N□ U□ N/A□	
 Do attached lines have adequate flexibility to avoid damage? Attached lines (HVAC duct with expansion joint) have sufficient flexibility. 	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		
None		
Evaluated by: Kyong S. (Jason) Pak	Date: 10/9/2012	
Tori Robinson Fari Columson	10/9/2012	

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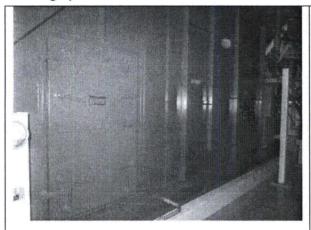
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 045

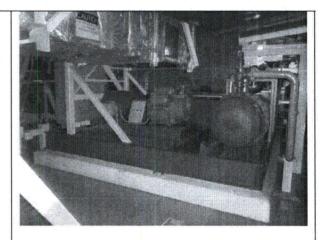
Equipment ID No. <u>SZ51B002A</u> Equip. Class¹ <u>9 - Fans</u>

Equipment Description Supply Fan (Control Room A/C Unit Fan)

Photographs



Note: General view of the equipment



Note: General view of the equipment

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	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) SWEL1- 046	
Equipment ID No. <u>SZ51D002A</u> Equip. Class ¹ 9 - Fans	
Equipment Description Fan-40 MW (Control Room Standby Fresh Air Unit Fan)
Location: Bldg. <u>CB</u> Floor El. <u>133</u> Room, Area <u>OC302, CB</u>	
Manufacturer, Model, Etc. (optional but recommended) Buffalo Forge Co., 40	NW
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 results of judgments and
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? Fan skid is mounted to the concrete pedestal with (24) 3/8" dia. anchor bolts. Fau anchor belts are an adjust angle because this descriptions as	Y⊠ N□ U□ N/A□
Few anchor bolts are on a slight angle; however, this doesn't pose a seismic concern. See photo.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Y⊠ N□ U□ N/A□
Anchorage was checked against drawings C-0606, M633.0-QSZ51D002A-A-1.1-001 & -002, and the configuration shown on the drawing matched the field condition.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 046	Status: Y⊠ N_ U_
Equipment ID No. <u>SZ51D002A</u> Equip. Class ¹ 9 - Fans	
Equipment Description Fan-40 MW (Control Room Standby Fresh Air Unit Fan))
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target.	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? All overhead items (HVAC duct, conduit, pipe, elec. box, etc.) are rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Attached lines (tubing, HVAC duct with expansion joint, etc.) have sufficient flexibility. 	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	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□
Comments	
IPEEE enhanced item: The 5/8" dia. bolts securing the motor base were insufficient thread engagement during IPEEE walkdowns. This condition valdressed by MNCR 112-94. During NTTF seismic walkdowns, the identicant confirmed to be secured with full thread engaged bolts.	was reported to have been
Evaluated by: Kyong S. (Jason) Pak	Date: 10/9/2012
Tori Robinson Huli Palvinson	10/9/2012

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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 046

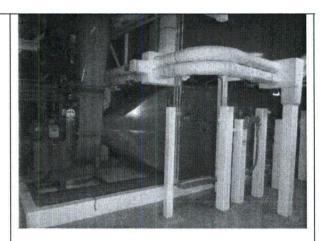
Equipment ID No. <u>SZ51D002A</u> Equip. Class¹ 9 - Fans

Equipment Description Fan-40 MW (Control Room Standby Fresh Air Unit Fan)

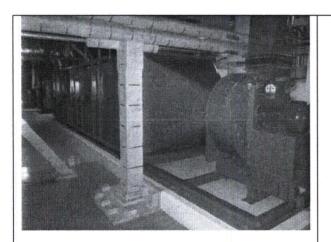
Photographs



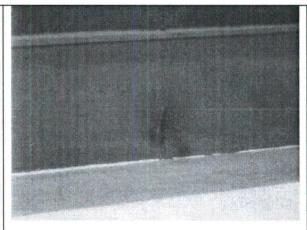
Note: General view of the equipment



Note: General view of the equipment



Note: General view of the equipment



Note: Anchor bolt slightly tilted

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 047</u>	Status: Y⊠ N∐ U∐
Equipment ID No. <u>T46B001A</u> Equip. Class ¹ <u>10 - Air Handlers</u>	· · · · · · · · · · · · · · · · · · ·
Equipment Description ESF Switchgear Room Cooler w/ Centrifugal Fan (ESF Cooling Unit)	ELEC SWGR Room East
Location: Bldg. AB Floor El. 119 Room, Area 1A208, 07	
Manufacturer, Model, Etc. (optional but recommended) <u>American Air Filter Co</u>	., 1650 DWDI
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 results of judgments and
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⊠
Is the anchorage free of bent, broken, missing or loose hardware?Cooler unit is stitch welded to the support structure all around. See photos.	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Support frame is coated; no visual indication of corrosion found.	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
No concrete connection, mounted in the overhead to structural members.	
 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□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 047	Status: Y⊠ N U	
Equipment ID No. <u>T46B001A</u> Equip. Class ¹ <u>10 - Air Handlers</u>		
Equipment Description ESF Switchgear Room Cooler w/ Centrifugal Fan (ESF Cooling Unit)	ELEC SWGR Room East	
Interaction Effects	-	
 Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target. 	Y_ N_ U_ N/AØ	
 Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items (conduit, structural members) are rigidly supported. Nearby masonry block wall is seismically qualified per calculation C- H015.2. 	Y⊠ N□ U□ N/A□	
9. Do attached lines have adequate flexibility to avoid damage? All attached lines (piping) to the cooler have adequate flexibility.	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		
None		
Evaluated by: Kyong S. (Jason) Pak Juong S. On Tori Robinson Hiri Polunson	Date: 10/8/2012	
Tori Robinson Mil Johnson	10/8/2012	

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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) __SWEL1-_047

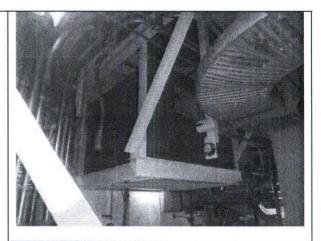
Equipment ID No. <u>T46B001A</u> Equip. Class¹ <u>10 - Air Handlers</u>

Equipment Description ESF Switchgear Room Cooler w/ Centrifugal Fan (ESF ELEC SWGR Room East Cooling Unit)

Photographs



Note: General view of the cooler



Note: General view of the cooler



Note: Cooler unit stitch welded to the support frame



Note: Cooler unit stitch welded to the support frame

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Seismic Walkdown Checklist (SWC) SWEL1- 048
Equipment ID No. Y47F001A Equip. Class ¹ 10 - Air Handlers
Equipment Description Damper/Electrical Actuator (SSW PMP House "A" Exhaust Damper)
Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area <u>1M110, SSW</u>
Manufacturer, Model, Etc. (optional but recommended) Electric Actuator: Raymond Cont. Sys., MAR-160-8, Damper: Pacific Air
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 N N N N N N N N N N N N N N N N N
 Is the anchorage free of bent, broken, missing or loose hardware? Y∑ N☐ U☐ N/A☐ Damper is bolted to the support frame, and the support frame is welded to the embedde plate on the wall. No bent, broken, missing or loose hardware found.
3. Is the anchorage free of corrosion that is more than mild surface Y∑ N☐ U☐ N/A☐ oxidation?
No visual indication of corrosion found.
4. Is the anchorage free of visible cracks in the concrete near the anchors? No visual indication of concrete areals found.
No visual indication of concrete crack found.
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? Above conditions have been observed from distance away with limted access available since the damper / actuator are located close to the ceiling.

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 048	Status: Y⊠ N□ U□
Equipment ID No. <u>Y47F001A</u> Equip. Class: <u>10 - Air Handlers</u>	
Equipment Description <u>Damper/Electrical Actuator (SSW PMP House "A" Exha</u>	aust Damper)
Interaction Effects	
Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target.	Y NU UNAX
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? No overhead item found, and HVAC duct nearby is rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the actuator, therefore attached line has adequate flexibility. 	Y⊠ N□ U□ N/A□
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	
None	
Evaluated by: Kyong S. (Jason) Pak Ayong S. Oz	Date: 9/24/2012
Tori Robinson Tork Tolkson	9/24/2012

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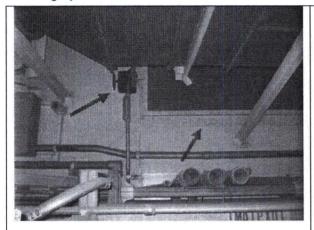
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 048

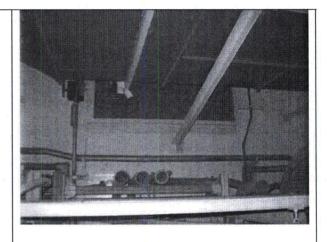
Equipment ID No. <u>Y47F001A</u> Equip. Class¹ 10 - Air Handlers

Equipment Description <u>Damper/Electrical Actuator (SSW PMP House "A" Exhaust Damper)</u>

Photographs



Note: Damper and Actuator



Note: Damper and Actuator

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Status: Y⊠ N∭ U∐ Seismic Walkdown Checklist (SWC) <u>SWEL1- 049</u>
Equipment ID No. X77F001A Equip. Class¹ 10 - Air handlers
Equipment Description <u>Damper/Intake Fan Starter 1NR5106 (STBY DSL GEN RM Outside Air Fan Inlet Damper)</u>
Location: Bldg. <u>DG</u> Floor El. <u>158</u> Room, Area <u>1D403, DSL</u>
Manufacturer, Model, Etc. (optional but recommended) <u>Electric Actuator: Raymond Cont. Sys., MAR-250-8-N4; Damper: Pacific Air</u>
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
 Is the anchorage configuration verification required (i.e., is the item one Y N N N N N N N N N N N N N N N N N N
 Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N□ U□ N/A□ Damper is bolted to the support frame, and the support frame is welded to the embedded plate on the wall. No bent, broken, missing or loose hardware found.
3. Is the anchorage free of corrosion that is more than mild surface Y⊠ N□ U□ N/A□ oxidation?
No visual indication of corrosion found.
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y∑ N□ U□ N/A□ anchors?
No visual indication of concrete crack found.
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.)
 Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Above conditions have been observed with limted access available.

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 049	Status: Y⊠ N□ U□
Equipment ID No. X77F001A Equip. Classi 10 - Air handlers	
Equipment Description <u>Damper/Intake Fan Starter 1NR5106 (STBY DSL GEN Damper)</u>	RM Outside Air Fan Inlet
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target.	Y_ N_ U_ N/AØ
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Only overhead item above damper was a fire protection piping, which was supported rigdly to the ceiling.	YM NU UU N/A
9. Do attached lines have adequate flexibility to avoid damage? Flex connection has been used for duct connected to the damper, therefore it has adequate flexibility.	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Abondon flex conduit (unsupported ~5') found next to the damper; however it doesn't pose a seismic concern to the damper or other equipments nearby. See photos.	Y⊠ N□ U□
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	YM U
<u>Comments</u>	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/26/2012
Tori Robinson Ali Robinson	9/26/2012

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Status:	$Y \boxtimes$	N	U

Seismic Walkdown Checklist (SWC) SWEL1- 049

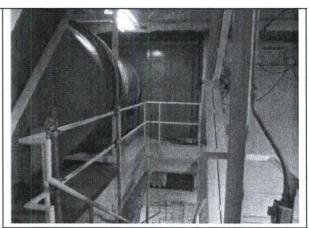
Equipment ID No. X77F001A Equip. Class 10 - Air handlers

Equipment Description <u>Damper/Intake Fan Starter 1NR5106 (STBY DSL GEN RM Outside Air Fan Inlet</u> Damper)

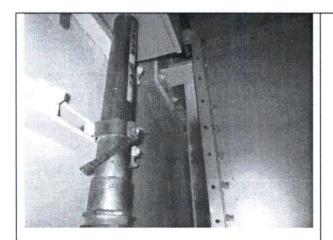
Photographs



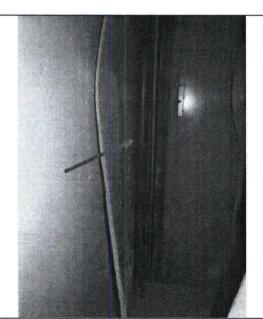
Note: View of damper below walking platform



Note: View of damper above walking platform



Note: Abandon flex conduit



Note: Abandon flex conduit

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	Status: Y⊠ N□ U□	
Seismic Walkdown Checklist (SWC) <u>SWEL1- 050</u>		
Equipment ID No. <u>Z77F030</u> Equip. Class ¹ <u>10 - Air Handlers</u>	· · · · · · · · · · · · · · · · · · ·	
Equipment Description Fire Damper (Division 1 Battery Room Supply Damper))	
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area <u>OC207, CB</u>	(AS shows OC202)	
Manufacturer, Model, Etc. (optional but recommended) AM Warming & Ventil	lating	
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⊠	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y□ N□ U□ N/A⊠	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y_ N_ U_ N/A\	
 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? Damper mounted to concrete wall with mounting angles attached to damper sleeve. No anchorage to structural concrete wall.	Y⊠ N□ U□	

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) <u>SWEL1- 050</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>Z77F030</u> Equip. Class: <u>10 - Air Handlers</u>	
Equipment Description Fire Damper (Division 1 Battery Room Supply Damper)	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	Y_ N_ U_ N/A\
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□
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□
<u>Comments</u>	
IPEEE enhanced item: Missing three of the four screws which secure the subsequent walkdown verified four screws installed. Per Fukushima Wall were missing inside battery room.CR-GGN-2012-11434.	
Evaluated by: Chase Wharton Chh	Date: 10/9/2012
Fred Hopkins 1. Act 1	10/9/2012

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Status:	$Y \boxtimes$	N	U
Otatus.			

Seismic Walkdown Checklist (SWC) SWEL1- 050 Equipment ID No. Z77F030 Equip. Class¹ 10 - Air Handlers Equipment Description Fire Damper (Division 1 Battery Room Supply Damper)

Photographs

Priotographs	
Z77-F030	1111 100 A
Note:	Note:

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Status: Y⊠ N□ U□

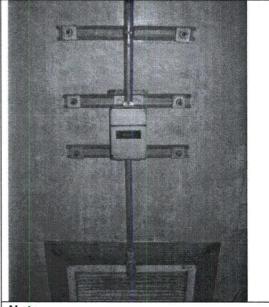
Seismic Walkdown Checklist (SWC) SWEL1- 050

Equipment ID No. Z77F030 Equip. Class¹ 10 - Air Handlers

Equipment Description Fire Damper (Division 1 Battery Room Supply Damper)



Note:



Note:

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Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1- 051</u>
Equipment ID No. <u>E61C001B</u> Equip. Class ¹ 12 - Air Compressors
Equipment Description <u>Drywell Purge Compressor</u>
Location: Bldg. CTMT Floor El. 185 Room, Area 1A512, CTMT
Manufacturer, Model, Etc. (optional but recommended) <u>Turbonetics, SC-6</u>
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
 Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)?
 Is the anchorage free of bent, broken, missing or loose hardware? Y∑ N☐ U☐ N/A☐ Compressor is anchored to the concrete pedestal using (8) 1 1/2" dia. anchor bolts. No bent, broken, missing or loose hardware found.
·
 Is the anchorage free of corrosion that is more than mild surface Y N U N/A ∪ N/A ∪ oxidation?
Floor is covered with epoxy coating; no visual indication of corrosion found
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y□ N⊠ U□ N/A□ anchors?
Floor/pedestal is coated. Surface hairline crack in coating found at multiple locations. At one location, hairline crack is found to be aligned with the bolt hole. See photo. (CR 2012-11335)
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 was checked against drawing 413D271, and the
configuration shown on the drawing matched the field condition.
 Based on the above anchorage evaluations, is the anchorage free of Y N⊠ U potentially adverse seismic conditions? See question number 4.

 $^{^{\}rm 1}$ Enter the equipment class $\underline{\text{name}}$ from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) <u>SWEL1- 051</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>E61C001B</u> Equip. Class: <u>12 - Air Compressors</u>	5
Equipment Description Drywell Purge Compressor	
Interaction Effects	
Are soft targets free from impact by nearby equipment or structures? This equipment is not a soft target.	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? All overhead items (cable tray) are rigidly supported.	Y N U N/A
 Do attached lines have adequate flexibility to avoid damage? Flex conduits have been used for routing cable to the compressor, therefore attached line has adequate flexibility. 	Y⊠ N□ U□ N/A□
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□
Comments	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 10/4/2012
Tori Robinson Soli Columbon	10/4/2012

Attachment C

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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 051

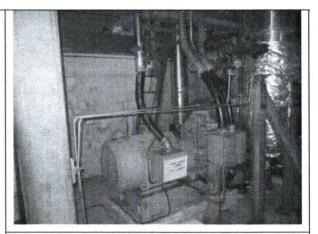
Equipment ID No. <u>E61C001B</u> Equip. Class¹ <u>12 - Air Compressors</u>

Equipment Description Drywell Purge Compressor

Photographs



Note: Compressor



Note: Compressor



Note: Anchorage of compressor to the concrete pedestal



Note: Hairline surface crack on the coating

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 052</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>R28P110-A</u> Equip. Class ¹ <u>14 - Dist. Panels and</u>	Automatic Transfer Switches
Equipment Description PWR DISTRIBUTION PANEL 1Y89	
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area <u>OC202, CB</u>	
Manufacturer, Model, Etc. (optional but recommended) <u>WESTINGHOUSE EL</u>	EC CORP,FC-1
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 results of judgments and
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⊠
Is the anchorage free of bent, broken, missing or loose hardware? Panel is welded to steel plate. Plate is embeded in concrete.	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Mild surface oxidation, but does not affect structural ability	
Is the anchorage free of visible cracks in the concrete near the anchors? No visible cracks	Y⊠ N□ U□ N/A□
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) <u>SWEL1- 052</u>	Status: Y⊠ N☐ U☐
Equipment ID No. R28P110-A Equip. Class 14 - Dist. Panels and	Automatic Transfer Switches
Equipment Description PWR DISTRIBUTION PANEL 1Y89	
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? Item has no soft targets 	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? Masonry block wall nearby. No visible cracks in wall. Wall is qualified by Calculation C-T457.1, therefore no adverse seismic condition.	Y⊠ N U N/A
 Do attached lines have adequate flexibility to avoid damage? Flexible conduit is attached to distribution panel with adequate clearance 	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	
Missing screw in panel face CR-GGN-2012-11460	
Evaluated by: Chase Wharton Chuk	Date: <u>10/10/2012</u>
Fred Hopkins June By	10/10/2012

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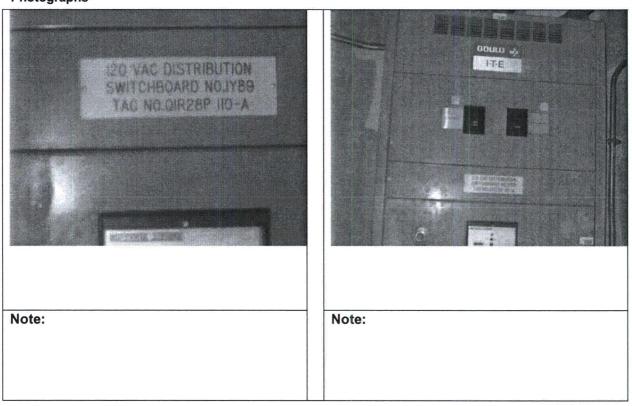
Status:	VV	$N\square$	Π
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Seismic Walkdown Checklist (SWC) SWEL1- 052

Equipment ID No. R28P110-A Equip. Class¹ 14 - Dist. Panels and Automatic Transfer Switches

Equipment Description PWR DISTRIBUTION PANEL 1Y89

Photographs



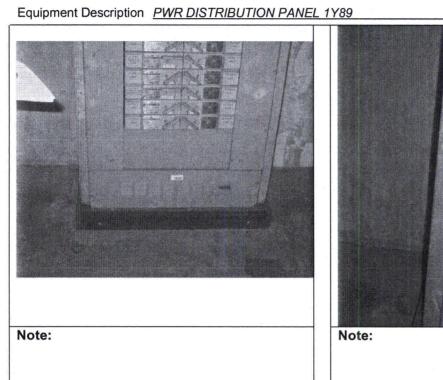
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Status: Y⊠ N□ U□		7.000		
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Seismic Walkdown Checklist (SWC) SWEL1- 052

Equipment ID No. R28P110-A Equip. Class¹ 14 - Dist. Panels and Automatic Transfer Switches



Note:

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	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1- 053</u>	
Equipment ID No. <u>L11S001-1A3</u> Equip. Class ¹ <u>15 - Battery Racks</u>	
Equipment Description STATION DC POWER SUPPLY 125VDC ESF BATTER	RY 1A3
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area <u>OC207,CB</u>	
Manufacturer, Model, Etc. (optional but recommended) C&D CHARTER POV	VER SYSTEMS,LCR-33
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 results of judgments and
Anchorage	
 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? Batteries are mounted on racks. Racks are bolted to the concrete floor.	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? No visible corrosion.	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors? No visible cracks in structural concrete.	Y⊠ N□ U□ N/A□
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

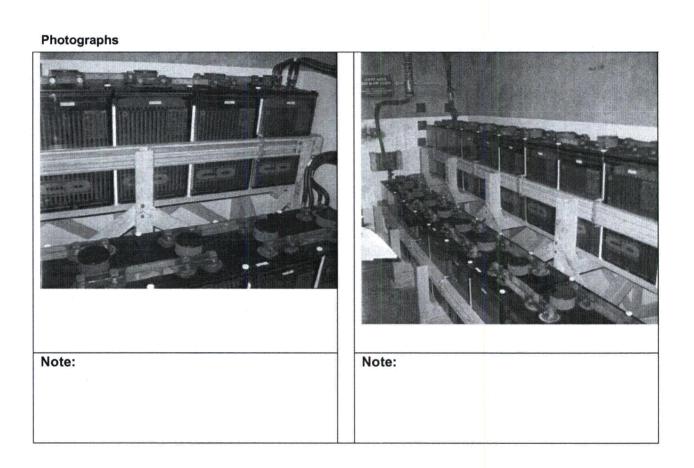
Seismic Walkdown Checklist (SWC) <u>SWEL1- 053</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>L11S001-1A3</u> Equip. Class 15 - Battery Racks	
Equipment Description STATION DC POWER SUPPLY 125VDC ESF BATTEI	RY 1A3
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	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? Masonry block wall near batery racks, no visible cracks. Wall was qualified by C-T457.1, therefore no adverse seismic condition exists	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? The cables attached to the batteries have adequate flexibility	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□
<u>Comments</u>	
None	
Evaluated by: Chase Wharton Chh	Date: 10/9/2012
Fred Hopkins Taly Are	10/9/2012

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Seismic Walkdown Checklist (SWC) SWEL1- 053 Equipment ID No. <u>L11S001-1A3</u> Equip. Class¹ <u>15 - Battery Racks</u> Equipment Description STATION DC POWER SUPPLY 125VDC ESF BATTERY 1A3



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Status:	$Y \boxtimes$	$N\square$	U
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Seismic Walkdown Checklist (SWC) SWEL1- 053

Equipment Description STATION DC POWER SUPPLY 125VDC ESF BATTERY 1A3

Equipment ID No. L11S001-1A3 Equip. Class¹ 15 - Battery Racks

Note:	Note:

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 054</u>	Status: Y⊠ N UU			
Equipment ID No. <u>L51S001A</u> Equip. Class¹ <u>16 - Battery Chargers and Inverters</u>				
Equipment Description Battery Charger 1DA4				
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area <u>OC202, CB</u>				
Manufacturer, Model, Etc. (optional but recommended) <u>C&D BATTERIES, AR</u>	R130K400			
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 results of judgments and			
Anchorage				
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y⊠ N□			
Is the anchorage free of bent, broken, missing or loose hardware? Item is anchored to concrete.	Y⊠ N□ U□ N/A□			
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□			
Mild surface oxidation, but does not affect structural ability.				
Is the anchorage free of visible cracks in the concrete near the anchors? No visible cracks in concrete.	Y⊠ N□ U□ N/A□			
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration is consistent with JA-1770	Y⊠ N□ U□ N/A□			
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□			

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 054	Status: Y⊠ N□ U□
Equipment ID No. <u>L51S001A</u> Equip. Class <u>16 - Battery Charger</u>	s and inverters
Equipment Description Battery Charger 1DA4	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	Y NUUMAX
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□
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□
<u>Comments</u>	
None	
Evaluated by: Chase Wharton Ch W	Date: 10/10/2012
Fred Hopkins July 1	10/10/2012

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Seismic Walkdo	wn Checklist (SWC)	SWEL1-	054		Status: YD	⊠ N∐ U∐
Equipment ID No.	L51S001A	Equip. Clas	s¹ <u>16 - Ba</u>	ttery Chargers	and Inverters	

Equipment Description Battery Charger 1DA4

Photographs	
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Note:	Note:

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Seismic Walkdown Checklist (SWC) <u>SWEL1-</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>L51S001A</u> Equip. Class	ss ¹ 16 - Battery Chargers and Inverters
Equipment Description Battery Charger 1DA4	
Note:	Note:

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Page 18:
Status: Y N U Seismic Walkdown Checklist (SWC) SWEL1- 055
Equipment ID No. L51S001B Equip. Class ¹ _ 16 - Battery Chargers and Inverters
Equipment Description Battery Charger 1DA5
Location: Bldg. <u>CB</u> Floor El. <u>111</u> Room, Area <u>OC202, CB</u>
Manufacturer, Model, Etc. (optional but recommended) <u>C&D BATTERIES, ARR130K400</u>
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
 Is the anchorage configuration verification required (i.e., is the item one Y⊠ N□ of the 50% of SWEL items requiring such verification)?
Is the anchorage free of bent, broken, missing or loose hardware? Y⊠ N□ U□ N/A□ Item is anchored to concrete.
Is the anchorage free of corrosion that is more than mild surface
4. Is the anchorage free of visible cracks in the concrete near the anchors? No visible cracks in concrete.
5. Is the anchorage configuration consistent with plant documentation? Y⊠ N□ U□ N/A□ (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage configuration is consistent with JA-1770

6. Based on the above anchorage evaluations, is the anchorage free of

potentially adverse seismic conditions?

Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 055	Status: Y⊠ N□ U□				
Equipment ID No. <u>L51S001B</u> Equip. Class: <u>16 - Battery Chargers and Inverters</u>					
Equipment Description Battery Charger 1DA5					
Interaction Effects					
Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	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? Overhead equipment is adequatly supported	Y N U N/A .				
9. Do attached lines have adequate flexibility to avoid damage? Flexible conduit is attached to Battery Charger with adequate clearance.	Y⊠ N□ U□ N/A□				
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YM 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?	YM NO UO				
<u>Comments</u>					
Tube steel support less than two inches from chargers. The support is ver introduce an adverse seismic condition	ry rigid and does not				
Evaluated by: Chase Wharton Chul	Date: 10/10/2012				
Fred Hopkins	10/10/2012				

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Seismic Walkdo	wn Checklist (SWC)	Status: Y⊠ N□ U□
Equipment ID No.	L51S001B	Equip. Class ¹ 16 - Battery Chargers and Inverters

Equipment Description Battery Charger 1DA5

Photographs	
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Note:	Note:

Attachment C

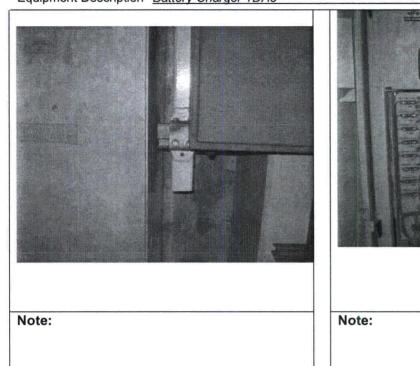
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Status: YX	N	U
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Seismic Walkdown Checklist (SWC) SWEL1- 055

Equipment ID No. <u>L51S001B</u> Equip. Class¹ <u>16 - Battery Chargers and Inverters</u>

Equipment Description Battery Charger 1DA5



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Note:		

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 056</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>P75E001A</u> Equip. Class <u>17 - Engine Generator</u>	
Equipment Description Standby Diesel Generator	
Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area <u>1D310, DSL</u>	
Manufacturer, Model, Etc. (optional but recommended) <u>Transamerica Delaval, DS</u>	RV-16-4
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown of an it SWEL. The space below each of the following questions may be used to record the r findings. Additional space is provided at the end of this checklist for documenting other spaces.	esults of judgments and
Anchorage	
1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?	N□
Is the anchorage free of bent, broken, missing or loose hardware? Y∑ Item is anchored to a concrete pedestal with imbedded anchor rods.	Ŋ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface Y oxidation? All anchorage is free from corrosion. Y □	〗N□ U□ N/A□
	☑ N□ U□ N/A□
anchors? Concrete is coated. Surface crack in coating, but no cracks through anchorage. Cracks in grout pedestal, but no cracks in structural concrete. CR-GGN-2012-11077 and CR-GGN-2012-11080	
 Is the anchorage configuration consistent with plant documentation? Y\(\infty\) (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Anchorage is verified in comparison to C1502A 	Ñ N□ U□ N/A□
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 056	Status: Y⊠ N□ U□
Equipment ID No. <u>P75E001A</u> Equip. Classi 17 - Engine Generato	or
Equipment Description Standby Diesel Generator	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	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? All overhead equipment in the vicinty of item is adequately supported.	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Flex conduit, and hose attached have adequate flexibility	Y⊠ N□ U□ N/A□
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 Standing oil found. CR-GGN-2012-11079	
Evaluated by: Chase Wharton Chr Whe	Date: 9/26/2012 9/26/2012 Page 2 of 4

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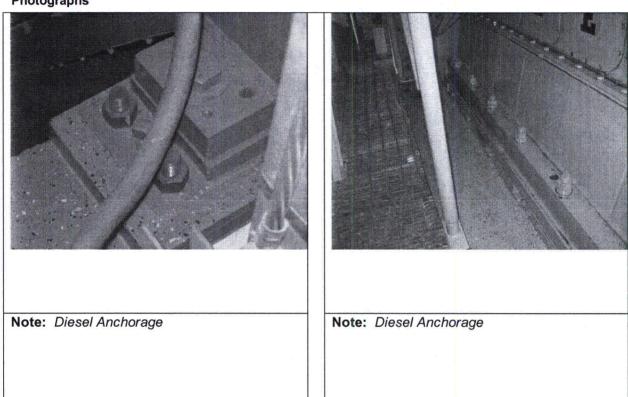
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Seismic Walkdown Checklist (SWC) SWEL1- 056

Equipment ID No. <u>P75E001A</u> Equip. Class¹ <u>17 - Engine Generator</u>

Equipment Description Standby Diesel Generator

Photographs



Attachment C

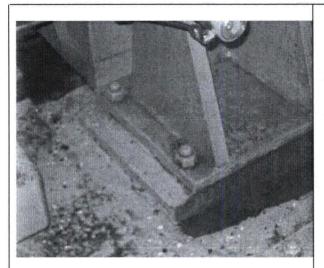
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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 056

Equipment ID No. <u>P75E001A</u> Equip. Class¹ <u>17 - Engine Generator</u>

Equipment Description Standby Diesel Generator



Note: Pedestal, non-Structural Crack/Chip



Note: Surface Cracks

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Seismic Walkdown Checklist (SWC) SWEL1- 057	Status: Y⊠ N∐ U∐
· /	
Equipment ID No. <u>E30N003A</u> Equip. Class: <u>18- Instrument Rack</u>	E (E (E (E) TE () () () () () () () ()
Equipment Description Level Transmitter (SUPPRESSION POOL WIDE RANG	<u>E LEVEL TRANSMITTER)</u>
Location: Bldg. AB Floor El. 93 Room, Area 1A115,09	
Manufacturer, Model, Etc. (optional but recommended) <u>ROSEMOUNT,1153D</u>	B5
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 results of judgments and
Anchorage	
 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? Transmitter mounted to tube steel and anchored to concrete floor.	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Anchorage is coated	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
No visible cracks in concrete	
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□
potentially develoc scientic conditions:	

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 057	Status: Y⊠ N□ U□
Equipment ID No. E30N003A Equip. Class 18- Instrument Rack	
Equipment Description Level Transmitter (SUPPRESSION POOL WIDE RANGE)	GE LEVEL TRANSMITTER)
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead equipment was rigidly supported above this transmitter	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flexible conduit is attached to the valve with adequate clearance. 	Y⊠ N□ U□ N/A□
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?	YM N U
<u>Comments</u>	
Minor surface oxidation was identified on the bolts used to mount the trar was determined to have no significant structural effects. The tempora restrained in the area, therefore no seismic issues	
Evaluated by: Chase Wharton Chan W	Date: 10/8/2012
Fred Hopkins There Are	10/8/2012

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Seismic Walkdown Checklist (SWC) SWEL1- 057	Status: Y⊠ N UU
Equipment ID No. E30N003A Equip. Class ¹ 18- Instrument Rack	
Equipment Description Level Transmitter (SUPPRESSION POOL WIDE RANGE	LEVEL TRANSMITTER)

Photographs

	NOT TO BE USED FOR PLUSHING. MAY CONTAIN RARMFUL LIQUIDS
& E30-LT-N003A	
Note:	Note:

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		Status: Y⊠ N_ U_
Seismic Walkdow	n Checklist (SWC) <u>SWEL1- 058</u>	
Equipment ID No.	C71N050A Equip. Class ¹ 18 - Instrument Racks	
Equipment Descripti	on Pressure Transmitter (Drywell Pressure RPS/PDisch A 1	ransmitter)
Location: Bldg. CT	MT Floor El. <u>135</u> Room, Area <u>1A313, CTM7</u>	
Manufacturer, Mode	I, Etc. (optional but recommended) Rosemount, 1152AP5I	N22T0280PB
Instructions for Co	mpleting Checklist	
SWEL. The space be	e used to document the results of the Seismic Walkdown of a elow each of the following questions may be used to record to space is provided at the end of this checklist for documenting	he results of judgments and
Anchorage		
	age configuration verification required (i.e., is the item one f SWEL items requiring such verification)?	Y⊠ N□
Pressure trar	rage free of bent, broken, missing or loose hardware? Insmitter is mounted to the panel H22-P004, and panel is a floor beams.	Y⊠ N□ U□ N/A□
No bent, brok	ken, missing or loose hardware found.	
3. Is the anchor oxidation?	rage free of corrosion that is more than mild surface	Y⊠ N□ U□ N/A□
No visual ind	ication of corrosion found	
Is the anchor anchors?	rage free of visible cracks in the concrete near the	Y NU UNAX
No concrete	connection.	
(Note: This q	age configuration consistent with plant documentation? uestion only applies if the item is one of the 50% for which e configuration verification is required.)	Y□ N⊠ U□ N/A□
Based on QF However, it is measuremen Additionally, _I the drawing (nsmitter is mounted to the panel/unistrut using 4 bolts. P 399.00, panel should be stitch welded 2" long every 6". Is welded ~2" long every ~12" based on walkdown at. Only one side of panel has been reviewed. Panel should be mounted to the 1" thick plate according to C-1044A. However, 1" plate couldn't be found and panel is aft to the structural steel. (CR 2012-11130)	
	e above anchorage evaluations, is the anchorage free of diverse seismic conditions?	Y□ N⊠ U□
anchors? No concrete 5. Is the anchor (Note: This q an anchorage Pressure trar Based on QF However, it is measuremen Additionally, the drawing of welded straig 6. Based on the potentially additionally	connection. rage configuration consistent with plant documentation? uestion only applies if the item is one of the 50% for which e configuration verification is required.) nsmitter is mounted to the panel/unistrut using 4 bolts. 2 399.00, panel should be stitch welded 2" long every 6". Is welded ~2" long every ~12" based on walkdown Int. Only one side of panel has been reviewed. In panel should be mounted to the 1" thick plate according to C-1044A. However, 1" plate couldn't be found and panel is In the structural steel. (CR 2012-11130) In above anchorage evaluations, is the anchorage free of Indexes seismic conditions?	Y□ N⊠ U□ N/A□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 058	Status: Y⊠ N□ U□
Equipment ID No. C71N050A Equip. Class: 18 - Instrument Racks	•
Equipment Description <u>Pressure Transmitter (Drywell Pressure RPS/PDisch A</u>	
Equipment Description Treasure Transmitter (DITMENT TESSURE IN ON DISCITA	(Tansmider)
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported. 	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? All overhead items are rigidly supported.	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter.	Y⊠ N□ U□ N/A□
and tubing attached to the transmitter has adequate flexibility. 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	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/27/2012
Tori Robinson Apri Cobenson	9/27/2012

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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 058

Equipment ID No. <u>C71N050A</u> Equip. Class¹ 18 - Instrument Racks

Equipment Description Pressure Transmitter (Drywell Pressure RPS/PDisch A Transmitter)

Photographs



Note: Pressure Transmitter



Note: Pressure Transmitter

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Seismic Walkdown Checklist (SWC) SWEL1- 059	Status: Y⊠ N⊟ U∟
. , , , , , , , , , , , , , , , , , , ,	
Equipment ID No. <u>E30N004B</u> Equip. Class <u>18 - Instrument Rack</u>	\$
Equipment Description Level Transmitter (Suppression Pool Narrow Range Le	vel Transmitter)
Location: Bldg. AB Floor El. 93 Room, Area 1A116, 10	
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1153DB3	3
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 results of judgments and
Anchorage	
 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? Level Transmitter mounting bracket is attached to TS 6x6 vertical post using four bolts, and TS 6x6 vertical post is anchored to the floor using (4) 1/2" dia. anchor bolts. See photo.	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
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 was checked against drawing FSK-I-0127G-825-B Rev. 4, and the configuration shown on the drawing matched the field condition.	Y⊠ N□ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 059	Status: Y⊠ N□ U□
Equipment ID No. <u>E30N004B</u> Equip. Class <u> 18 - Instrument Rack</u>	s
Equipment Description Level Transmitter (Suppression Pool Narrow Range Le	vel Transmitter)
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? All equipment/structures are rigidly supported.	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? All overhead items are rigidly supported.	YM U UNA
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	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? Rope is attached loosely from scaffolding to the TS member; it is judged to have no seismic concern. See photo.	Y⊠ N□ U□
Comments	
Contaminated Area - Dress Out	
Evaluated by: Kyong S. (Jason) Pak	Date: 10/3/2012
Tori Robinson Ari Orobunson	10/3/2012

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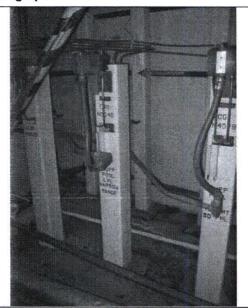
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Seismic Walkdown	Checklist (SWC)	SWEL1-	059	

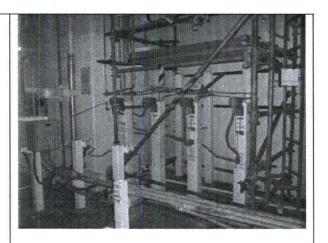
Equipment ID No. E30N004B Equip. Class¹ 18 - Instrument Racks

Equipment Description <u>Level Transmitter (Suppression Pool Narrow Range Level Transmitter)</u>

Photographs



Note: Level Transmitter



Note: Level Transmitter



Note: General view of overhead area, temporary scaffolding and temporary rope

Note:

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	57	—	—

Seismic Walkdown Checklist (SWC) <u>SWEL1- 060</u>	Status. 1 1 1 1 0
Equipment ID No. <u>E31N086A</u> Equip. Class ¹ 18 - Instrument Rack	S
Equipment Description <u>Differential Pressure Transmitter (Main Steam Line A Fi</u>	ow A (PCIS) Transmitter)
Location: Bldg. CTMT Floor El. 135 Room, Area 1A313, CTM	T
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1152DP7	N22T0280PB
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 results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y⊠ N□
 Is the anchorage free of bent, broken, missing or loose hardware? Pressure transmitter is mounted to the panel H22-P015. No bent, broken, missing or loose hardware found. 	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
No visual corrosion has been observed.	
Is the anchorage free of visible cracks in the concrete near the anchors? No concrete connection.	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.) Based on QP 398.00, panel should be welded to the structural steel 2" long every 6". However, it is welded ~2" long every ~12" based on	Y_ N⊠ U_ N/A_
 walkdown measurement. (CR 2012-11130) 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? See question number 5. 	Y□ N⊠ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC)SWEL1060	Status: Y⊠ N U
Equipment ID No. <u>E31N086A</u> Equip. Class ¹ 18 - Instrument Rack	s
Equipment Description <u>Differential Pressure Transmitter (Main Steam Line A F</u>	low A (PCIS) Transmitter)
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? All equipments or structures nearby are rigidly supported.	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? All overhead items are rigidly supported.	Y N U U N/A
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	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	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□
Comments	
None .	
Evaluated by: Kyong S. (Jason) Pak Jurong S. Con	Date: 9/27/2012
Tori Robinson Dri Polumon	9/27/2012

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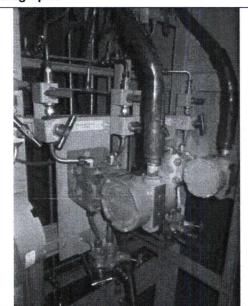
Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 060

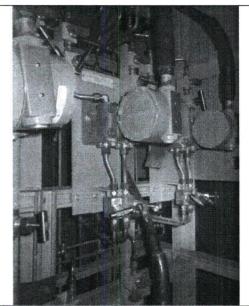
Equipment ID No. <u>E31N086A</u> Equip. Class¹ 18 - Instrument Racks

Equipment Description <u>Differential Pressure Transmitter (Main Steam Line A Flow A (PCIS) Transmitter)</u>

Photographs



Note: Pressure Transmitter



Note: Pressure Transmitter

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	Status: Y N N U
Seismic Walkdown Checklist (SWC) <u>SWEL1- 061</u>	
Equipment ID No. <u>E51N050</u> Equip. Class: <u>18 - Instrument Racks</u>	<u> </u>
Equipment Description Pressure Transmitter (RCIC Pump Discharge)	
Location: Bldg. AB Floor El. 103 Room, Area 1A121, 07	
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1153B	
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 documenting	the results of judgments and
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□
 Is the anchorage free of bent, broken, missing or loose hardware? Pressure transmitter is bolted to a plate that is bolted to the panel. There are no missing, bent or broken bolts. Panel is stitch welded to beams. 	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
No surface oxidation found	
Is the anchorage free of visible cracks in the concrete near the anchors? Item is anchored to steel	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.) Stitch welded to steel beam at bolt hole location. ~12" OC. Inconsistent with QP 406 ~6" OC CR-GGN-2012-11130.	Y□ N⊠ U□ N/A□
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? See number 5	Y□ N⊠ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 061	Status: Y⊠ N☐ U☐
Equipment ID No. <u>E51N050</u> Equip. Classi 18 - Instrument Rack	·s
Equipment Description Pressure Transmitter (RCIC Pump Discharge)	
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? All tubing attached to the transmitter and panel is rigidly supported with adequate clearance. 	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? Corrugated panels are supported by beams and lighting in supported, therefore no seimic concerns.	Y⊠ N□ U□ N/A□
9. Do attached lines have adequate flexibility to avoid damage? Flexible conduit and tubing is attached to transmitter and panel with adequate clearance	Y N U U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? All tubing and flexible conduit has adequate clearance	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	
None .	
Evaluated by: Chase Wharon Chuk	Date: 9/25/2012
Fred Hopkins Just	9/25/2012

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Seismic Walkdown Checklist (SWC) SWEL1- 061	Status: Y⊠ N□ U□
Equipment ID No. <u>E51N050</u> Equip. Class¹ <u>18 - Instrument Racks</u>	
Equipment Description Pressure Transmitter (RCIC Pump Discharge)	

Photographs	
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Note:	Note:

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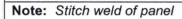
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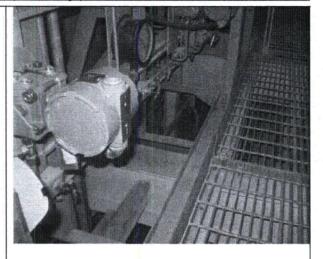
Seismic Walkdown Checklist (SWC) SWEL1- 061

Equipment ID No. <u>E51N050</u> Equip. Class¹ <u>18 - Instrument Racks</u>

Equipment Description Pressure Transmitter (RCIC Pump Discharge)







Note: Panel base supported on beam.

 $\begin{array}{c} \text{Rev. 0} \\ \text{Attachment C} \end{array}$

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	Status: Y⊠ N⊟ U⊟
Seismic Walkdown Checklist (SWC) <u>SWEL1- 062</u>	
Equipment ID No. <u>P41N018A</u> Equip. Class¹ <u>18 - Instrument Racks</u>	S
Equipment Description Flow Transmitter (SSW CLG Tower A Return)	•
Location: Bldg. <u>SSW</u> Floor El. <u>133</u> Room, Area <u>1M112, SSW</u>	/
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1153DB3	
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 results of judgments and
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⊠
Is the anchorage free of bent, broken, missing or loose hardware? The anchorage was free of damage or missing hardware. Item is mounted on tube steel anchored to the concrete wall	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
There is very mild surface oxidation judged to have negligible affects on structural ability	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Concrete is coated with paint. There were no visible cracks near the anchors.	
 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□
There was very mild oxidation. Mild oxidation does not cause any adverse seismic conditions.	

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

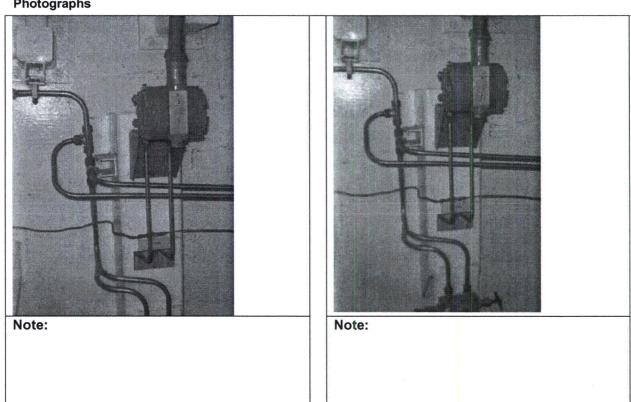
Seismic Walkdown Checklist (SWC) SWEL1- 062	Status: Y⊠ N☐ U☐
Equipment ID No. P41N018A Equip. Class: 18 - Instrument Rack	\$
Equipment Description Flow Transmitter (SSW CLG Tower A Return)	
Interaction Effects	
Are soft targets free from impact by nearby equipment or structures? Item has no soft targets	Y NU UU N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? No lighting is directly over head.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit is attached to give adequate flexibility. 	YM NO UO N/AO
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? The tubing is rigid will not cause an adverse seismic condition.	YM 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? All over head conduit is adequately supported.	Y⊠ N□ U□
<u>Comments</u>	
None	
Evaluated by: Chase Wharton Ch Wha	Date: 9/24/2012
Fred Hopkins July Hay	9/24/2012

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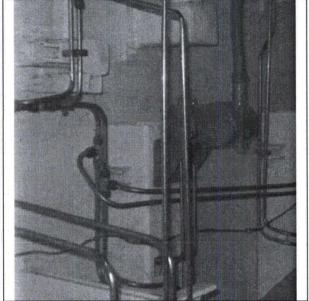
Seismic Walkdown Checklist (SWC) SWEL1- 062	Status: Y⊠ N□ U□
Equipment ID No. P41N018A Equip. Class ¹ 18 - Instrument Racks	Rolling with the contract of t
Equipment Description Flow Transmitter (SSW CLG Tower A Return)	

Photographs



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Seismic Walkdown Checklist (SWC) SWEL1- 062	Status: Y⊠ N□ U□
Equipment ID No. P41N018A Equip. Class 18 - Instrument Racks	
Equipment Description Flow Transmitter (SSW CLG Tower A Return)	



Note: TUBING

	SERVICE CONTRACTOR AND SOCIETY	
Note:		

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Seismic Walkdown Checklist (SWC) SWEL1- 063	Status: Y⊠ N☐ U☐
Equipment ID No. P75N004A Equip. Class¹ 18 - Instrument Rac	rke
Equipment Description <u>Level Transmitter (Diesel Generator A Day Tank Level</u>	I Transmitter)
Location: Bldg. <u>DG</u> Floor El. <u>133</u> Room, Area <u>1D302, DS</u>	L
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1153Gb	B4
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 recorfindings. Additional space is provided at the end of this checklist for documential space.	d the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	e Y⊠ N□
2. Is the anchorage free of bent, broken, missing or loose hardware? Level Transmitter mounting bracket is attached to TS 6x6 vertical post using four bolts, and TS 6x6 vertical post is anchored to the floor using (4) 1/2" dia. anchor bolts. See photo.	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found	
Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Y⊠ N□ U□ N/A□
Anchorage was checked against drawing FSK-I-0127G-951-G, and the configuration shown on the drawing matched the field condition.	•
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Equipment ID No. PT5N004A Equip. Class: 18 - Instrument Racks Equipment Description Level Transmitter (Diesel Generator A Day Tank Level Transmitter) Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Y N U NA Nearby Fuel Oil Day Tank is rigidly supported. 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This condition doesn't pose a seismic concern. 9. Do attached lines have adequate flexibility to avoid damage? YN NU NA Fix conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. 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 None	Sejsmic Walkdown Checklist (SWC) SWEL1- 063	Status: Y⊠ N☐ U☐
Theraction Effects 7. Are soft targets free from impact by nearby equipment or structures? Y N ∪ N/A Nearby Fuel Oil Day Tank is rigidly supported. 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This condition doesn't pose a seismic concern. 9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Equipment ID No. <u>P75N004A</u> Equip. Class: 18 - Instrument Rack	'S
7. Are soft targets free from impact by nearby equipment or structures? Nearby Fuel Oil Day Tank is rigidly supported. 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This condition doesn't pose a seismic concern. 9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. Other Adverse Conditions 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Equipment Description Level Transmitter (Diesel Generator A Day Tank Level	Transmitter)
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This condition doesn't pose a seismic concern. 9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. 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	Interaction Effects	
and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This condition doesn't pose a seismic concern. 9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. 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	• • • •	YM NU UU N/AU
9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? See question number 8. 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	and masonry block walls not likely to collapse onto the equipment? All overhead items (cable tray) are rigidly supported. In the vicinity, light fixtures are hung with chain using S-hook. This	Y⊠ N□ U□ N/A□
of potentially adverse seismic interaction effects? See question number 8. 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	9. Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter,	Y⊠ N□ U□ N/A□
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	of potentially adverse seismic interaction effects?	Y⊠ N□ U□
adversely affect the safety functions of the equipment? Comments	Other Adverse Conditions	
		Y⊠ N□ U□
None	Comments	
Evaluated by: Kvong S. (Jason) Pak Justing S. Uz Date: 9/26/2012 Tori Robinson Fori Robinson 9/26/2012	For Poly	

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Seismic Walkdown Checklist (SWC) SWEL1- 063

Equipment ID No. <u>P75N004A</u> Equip. Class¹ <u>18 - Instrument Racks</u>

Equipment Description <u>Level Transmitter (Diesel Generator A Day Tank Level Transmitter)</u>

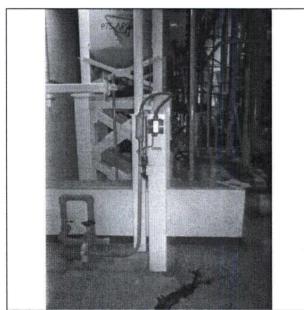
Photographs



Note: General view of the area



Note: Level Transmitter



Note: Level Transmitter

Note:	 		

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		Attachment (
		Page 216 of 34:
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Seismic Walkdown Checklist (SWC) SWEL1- 064	Status. F N N O	
Equipment ID No. <u>B21N150D</u> Equip. Class ¹ 18 - Instrument Racks		
Equipment Description Pressure Switch (SRV 1B21F041D Discharge Pressure	High Switch)	
Location: Bldg. <u>CTMT</u> Floor El. <u>161</u> Room, Area <u>1A445, CTM</u>	Γ	
Manufacturer, Model, Etc. (optional but recommended) Pressure Control Inc.,	A17-1P	
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□	
 Is the anchorage free of bent, broken, missing or loose hardware? U-Bolts and nuts in good condition.U-Bolt is bolted to C-Channel. Channel is mounted to tube steel rack. 	Y⊠ N□ U□ N/A□	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□	
There is very mild surface oxidation judged to have negligible affects on structural ability		
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠	
Steel mounted item.		
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Configuration consistent with FSK-I-1077C-018-C Sheets 1 and 2 	Y⊠ N□ U□ N/A□	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□	

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 064	Status: Y⊠ N☐ U☐
Equipment ID No. <u>B21N150D</u> Equip. Class ¹ 18 - Instrument Rack	'S
Equipment Description Pressure Switch (SRV 1B21F041D Discharge Pressure	High Switch)
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures? Soft targets have adequate clearence and are anchored.	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? Cable trays and lines are adequately supported. 1	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex lines are attached. 	Y⊠ N□ U□ N/A□
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 None	
Evaluated by: Chase Wharton Chu L	Date: 9/28/2012 9/28/2012
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Status.	-1	INI I	U

Seismic Walkdown Checklist (SWC) SWEL1- 064	Status: Y⊠ N□ U□
Equipment ID No. <u>B21N150D</u> Equip. Class¹ <u>18 - Instrument Racks</u>	
Equipment Description Pressure Switch (SRV 1B21F041D Discharge Pressure Hi	igh Switch)

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Note:	Note:

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	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 065</u>	
Equipment ID No. <u>H22P025</u> Equip. Class ¹ 18 - Instrument Rack	S
Equipment Description MN ST FLOW INSTRUMENT PANEL B	
Location: Bldg. <u>CTMT</u> Floor El. <u>136</u> Room, Area <u>1A311, CTM</u>	T
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 results of judgments and
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□
Is the anchorage free of bent, broken, missing or loose hardware? Panels is stitch welded to beams	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? There is mild surface oxidation judged to have negligible affects on structural ability	Y⊠ N□ U□ N/A□
4. Is the anchorage free of visible cracks in the concrete near the anchors? Anchorage is welded to steel beams	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.) Stitch welded to steel beam at bolt hole location. ~12" OC. Inconsistent	Y□ N⊠ U□ N/A□
with QP 398 ~6" OC CR-GGN-2012-11130.	VE N87 HE
Based on the above anchorage evaluations, is the anchorage free of	Y□ N⊠ U□

potentially adverse seismic conditions?

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 065	Status: Y⊠ N□ U□
Equipment ID No. <u>H22P025</u> Equip. Class ¹ 18 - Instrument Rack	ş
Equipment Description MN ST FLOW INSTRUMENT PANEL B	
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? Adequate clearance is given.	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? Cabe tray and Structural steel is adequately supported.	Y N U N/A
 Do attached lines have adequate flexibility to avoid damage? Rack is rigidly mounted, and flexible conduit attached to transmitters on rack. 	Y□ N□ U□ N/A⊠
Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	Y⊠ N□ U□
Other Adverse Conditions	
Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?	Y⊠ N□ U□
Comments	
None	
Evaluated by: Chase Wharton Ch Wh	Date: 9/27/2012
Fred Hopkins	9/27/2012

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Seismic Walkdown Checklist (SWC) SWEL1- 065	Status: Y⊠ N□ U□
Equipment ID No. <u>H22P025</u> Equip. Class¹ <u>18 - Instrument Racks</u>	
Equipment Description MN ST FLOW INSTRUMENT PANEL B	

Photographs	
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Attachment C

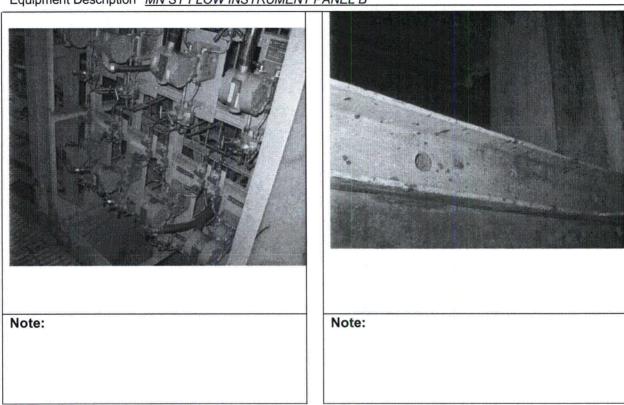
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Status: Y⊠ N□ U□

Seismic Walkdown Checklist (SWC) SWEL1- 065

Equipment ID No. <u>H22P025</u> Equip. Class¹ 18 - Instrument Racks

Equipment Description MN ST FLOW INSTRUMENT PANEL B



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	Page 22.
	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 066</u>	
Equipment ID No. <u>M71N027B</u> Equip. Class ¹ 18 - Instrument Ra	ncks
Equipment Description <u>Temp. Element (Containment Pressure (W/RPAM CR</u>	H-B) Transmitter)
Location: Bldg. <u>AB</u> Floor El. <u>166</u> Room, Area <u>1A417, 08</u>	3
Manufacturer, Model, Etc. (optional but recommended) Rosemount, 1153D	DB6
Instructions for Completing Checklist	
This checklist may be used to document the results of the Seismic Walkdown SWEL. The space below each of the following questions may be used to recofindings. Additional space is provided at the end of this checklist for document	ord the results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item on of the 50% of SWEL items requiring such verification)? 	ie Y⊠ N□
Is the anchorage free of bent, broken, missing or loose hardware? Pressure Transmitter mounting bracket is attached to TS 6x6 vertical post using four bolts, and TS 6x6 vertical post is anchored to the floor.	Y⊠ N□ U□ N/A□
using (4) 1/2" dia. anchor bolts. See photo.	
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for whice an anchorage configuration verification is required.) 	Y⊠ N□ U□ N/A□ h
Anchorage was checked against drawing FSK-I-0127G-084-B, and the configuration shown on the drawing matched the field condition.	e
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 066	Status: Y⊠ N□ U□
Equipment ID No. M71N027B Equip. Class: 18 - Instrument Rack	s
Equipment Description <u>Temp. Element (Containment Pressure (W/RPAM CH-I</u>	B) Transmitter)
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported. 	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? All overhead items (conduit) are rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the pressure transmitter, and tubing attached to the transmitter has adequate flexibility. 	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	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/27/2012
Tori Robinson Wil Polunson	9/27/2012

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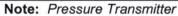
Seismic Walkdown Checklist (SWC) SWEL1- 066

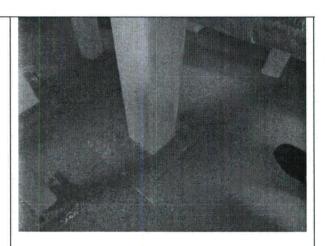
Equipment ID No. M71N027B Equip. Class¹ 18 - Instrument Racks

Equipment Description <u>Temp. Element (Containment Pressure (W/RPAM CH-B) Transmitter)</u>

Photographs







Note: Anchorage to the floor

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 067</u>	Status: Y☐ N⊠ U☐
· , ·	
Equipment ID No. <u>E12N103</u> Equip. Class¹ <u>18 - Instrument Rack</u>	
Equipment Description Position Switch	The second secon
Location: Bldg. <u>CTMT</u> Floor El. <u>120</u> Room, Area <u>1A112, CTM</u>	<u>T</u>
Manufacturer, Model, Etc. (optional but recommended) <u>LIMITORQUE</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 findings. Additional space is provided at the end of this checklist for documenting	the results of judgments and
Anchorage	
 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_
 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
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y_ N_ U_

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

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Seismic Walkdown Checklist (SWC) SWEL1- 067	Status: Y∐ N⊠ U∐
Equipment ID No. <u>E12N103</u> Equip. Class ¹ 18 - Instrument Rack	
Equipment Description Position Switch	
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y_ N_ U_ N/A_
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_
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
Comments	
Evaluated by:	Date:
	

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		007	Status: Y☐ N⊠ U☐
Seismic Walkdown Checklist (SWC)SW	<u> </u>	067	
Equipment ID No. <u>E12N103</u> Equip	o. Class	s¹ <u>18 - Instrument Rack</u>	
Equipment Description Position Switch			
Photographs			
			:
Note:	_	Note:	
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Seismic Walkdown Checklist (SWC)	SWEL1-	067	Status: Y N U
Equipment ID No. E12N103	_ Equip. Clas	s¹ <u>18 - Instrument Rack</u>	
Equipment Description Position Switch			
		,	
Note:		Note:	

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Status:	YΧ	ΝП	υET	

Seismic Walkdown Checklist (SWC) <u>SWEL1- 068</u>	
Equipment ID No. <u>E22N054C</u> Equip. Class¹ <u>18 - Instrument Rack</u>	S
Equipment Description <u>Differential Pressure Transmitter (Condensate Storage</u>	Tank Level Transmitter)
Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07	
Manufacturer, Model, Etc. (optional but recommended) Rosemount	
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 results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y⊠ N□
 Is the anchorage free of bent, broken, missing or loose hardware? Level Transmitter mounting bracket is attached to TS 6x6 vertical member using four bolts, and TS 6x6 vertical member is anchored to the wall using (4) 1/2" dia. anchor bolts. See photos. 	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
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 was checked against drawing FSK-I-0127G-034-B Rev. 3, and the configuration shown on the drawing matched the field	Y⊠ N□ U□ N/A□
condition.6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Out to W. Hadanaa Obsashifaa (OWO) - OWEL 4 - OOO	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 068</u>	
Equipment ID No. <u>E22N054C</u> Equip. Class: <u>18 - Instrument Rack</u>	
Equipment Description <u>Differential Pressure Transmitter (Condensate Storage</u>	Tank Level Transmitter)
Interaction Effects	
 Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported. 	YM U U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? All overhead items are rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	Y⊠ N□ U□ N/A□
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□
<u>Comments</u>	
None	
Evaluated by: Kyong S. (Jason) Pak Jana S. On	Date: <u>9/25/2012</u>
Tori Robinson Jan College	9/25/2012

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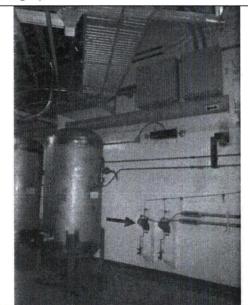
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Seismic Walkdown Checklist (SWC) SWEL1- 068

Equipment ID No. <u>E22N054C</u> Equip. Class¹ <u>18 - Instrument Racks</u>

Equipment Description <u>Differential Pressure Transmitter (Condensate Storage Tank Level Transmitter)</u>

Photographs



Note: General view of the area



Note: Level Transmitter

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Status: Y⊠ N∐ U[Seismic Walkdown Checklist (SWC) <u>SWEL1- 069</u>
Equipment ID No. <u>E22N054G</u> Equip. Class <u>1 18 - Instrument Racks</u>
Equipment Description Differential Pressure Transmitter (Condensate Storage Tank Level Transmitter)
Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07
Manufacturer, Model, Etc. (optional but recommended) Rosemount
nstructions 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 indings. Additional space is provided at the end of this checklist for documenting other comments.
Anchorage
 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? Level Transmitter mounting bracket is attached to TS 6x6 vertical member using four bolts, and TS 6x6 vertical member is anchored to the wall using (4) 1/2" dia. anchor bolts. See photos. Y⊠ N□ U□ N/A□ N'A□
No bent, broken, missing or loose hardware found.
 Is the anchorage free of corrosion that is more than mild surface Y∑ N☐ U☐ N/A☐ oxidation?
Floor is covered with epoxy coating; no visual indication of corrosion found.
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y⊠ N□ U□ N/A□ anchors?
Floor is covered with epoxy coating; no visual indication of concrete crack found.
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 was checked against drawing FSK-I-0127G-035-B Rev. 4, and the configuration shown on the drawing matched the field condition. Y □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
6. Based on the above anchorage evaluations, is the anchorage free of

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 069	Status: Y⊠ N□ U□
Equipment ID No. <u>E22N054G</u> Equip. Classi <u>18 - Instrument Rack</u>	s
Equipment Description <u>Differential Pressure Transmitter (Condensate Storage</u>	Tank Level Transmitter)
Interaction Effects	,
 Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported. 	YM 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? All overhead items are rigidly supported.	Y N U U N/A
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	Y⊠ N□ U□ N/A□
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?	YN 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□
<u>Comments</u>	
None	
Evaluated by: Kyong S. (Jason) Pak Ryong S. O.	Date: <u>9/25/2012</u>
Tori Robinson John (Hobenson	9/25/2012

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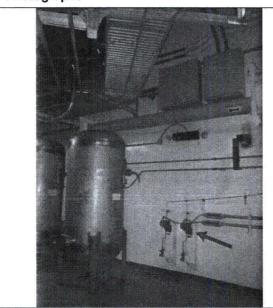
Status:	$Y \boxtimes$	N	U
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Seismic Walkdown Checklist (SWC) SWEL1- 069

Equipment ID No. <u>E22N054G</u> Equip. Class¹ 18 - Instrument Racks

Equipment Description <u>Differential Pressure Transmitter (Condensate Storage Tank Level Transmitter)</u>

Photographs



Note: General view of the area



Note: Level Transmitter

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	Pa	ige 236 of 34
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	Status: Y⊠ N∐ U∐
Seismic Walkdown Checklist (SWC) SWEL1- 070	
Equipment ID No. <u>E51N035E</u> Equip. Class ¹ 18 - Instrument Rack	s
Equipment Description Condensate Storage Tank (Condensate Storage Tank)	RCIC) Level Transmitter)
Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07	
Manufacturer, Model, Etc. (optional but recommended) Rosemount	
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 results of judgments and
Anchorage	
 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? Level Transmitter mounting bracket is attached to TS 6x6 vertical post using four bolts, and TS 6x6 vertical post is anchored to the floor using (4) 1/2" dia. anchor bolts. See photos.	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
3. Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of corrosion found.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
 Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) 	Y⊠ N□ U□ N/A□
Anchorage was checked against drawing FSK-I-0127G-037-B Rev. 4, and the configuration shown on the drawing matched the field condition.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) <u>SWEL1- 070</u>	Status: Y⊠ N□ U□
Equipment ID No. <u>E51N035E</u> Equip. Class: <u>18 - Instrument Rack</u>	is
Equipment Description Condensate Storage Tank (Condensate Storage Tank	(RCIC) Level Transmitter)
Interaction Effects	
Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported.	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? All overhead items are rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	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? Modem (CA-U1-AUX-119-7) is mounted on overhead cable tray support; however doesn't pose a seismic concern. See photo.	Y⊠ N□ U□
Comments	
None	
Evaluated by: Kyong S. (Jason) Pak	Date: <u>9/25/2012</u>
Tori Robinson Fari Polienson	9/25/2012

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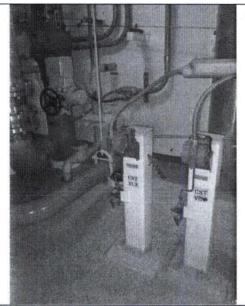
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Seismic Walkdown Checklist (SWC) SWEL1- 070

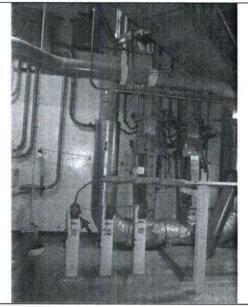
Equipment ID No. <u>E51N035E</u> Equip. Class¹ <u>18 - Instrument Racks</u>

Equipment Description Condensate Storage Tank (Condensate Storage Tank (RCIC) Level Transmitter)

Photographs



Note: Level Transmitter



Note: RP modem supported from cable tray support

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	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) SWEL1- 071	
Equipment ID No. <u>E51N035A</u> Equip. Class ¹ 18 - Instrument Rack	\$
Equipment Description Condensate Storage Tank (Condensate Storage Tank	(RCIC) Level Transmitter)
Location: Bldg. AB Floor El. 119 Room, Area 1A201, 07	
Manufacturer, Model, Etc. (optional but recommended) Rosemount	A STATE OF THE STA
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 results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y⊠ N□
 Is the anchorage free of bent, broken, missing or loose hardware? Level Transmitter mounting bracket is attached to TS 6x6 vertical post using four bolts, and TS 6x6 vertical post is anchored to the floor using (4) 1/2" dia. anchor bolts. See photos. No bent, broken, missing or loose hardware found. 	Y⊠ N□ U□ N/A□
3. Is the anchorage free of corrosion that is more than mild surface	Y⊠ N□ U□ N/A□
oxidation?	
Floor is covered with epoxy coating; no visual indication of corrosion found.	
4. Is the anchorage free of visible cracks in the concrete near the anchors?	Y⊠ N□ U□ N/A□
Floor is covered with epoxy coating; no visual indication of concrete crack found.	
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)	Y⊠ N□ U□ N/A□
Anchorage was checked against drawing FSK-I-0127G-036-B Rev. 3, and the configuration shown on the drawing matched the field condition.	
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

 $^{^{\}rm 1}$ Enter the equipment class \underline{name} from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 071	Status: Y⊠ N□ U□
Equipment ID No. <u>E51N035A</u> Equip. Class' <u>18 - Instrument Rack</u>	is
Equipment Description Condensate Storage Tank (Condensate Storage Tank	(RCIC) Level Transmitter)
Interaction Effects	
7. Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported.	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? All overhead items are rigidly supported.	Y⊠ N□ U□ N/A□
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the level transmitter, and tubing attached to the transmitter has adequate flexibility. 	Y⊠ N□ U□ N/A□
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? Modem (CA-U1-AUX-119-7) is mounted on overhead cable tray support; however doesn't pose a seismic concern. See photo.	Y⊠ N□ U□
Comments	
None .	
Evaluated by: Kyong S. (Jason) Pak	Date: 9/25/2012
Tori Robinson Jury Followson	9/25/2012

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Status:	$Y \boxtimes$	N	U
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Seismic Walkdown Checklist (SWC) SWEL1- 071

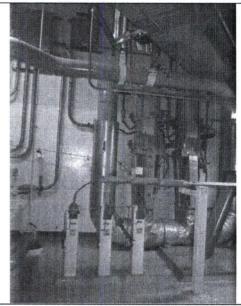
Equipment ID No. <u>E51N035A</u> Equip. Class¹ <u>18 - Instrument Racks</u>

Equipment Description <u>Condensate Storage Tank (Condensate Storage Tank (RCIC) Level Transmitter)</u>

Photographs



Note: Level Transmitter



Note: RP modem supported from cable tray support

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Seismic Walkdown Checklist (SWC) SWEL1- 072	Status: Y⊠ N□ U□
Equipment ID No. <u>E31N001A</u> Equip. Class¹ <u>19 – Temperature Se</u>	nsors
Equipment Description Air Temperature Element(RHR A EQUIPMENT AREA 2	TEMPERATURE ELEMENT)
Location: Bldg. <u>AB</u> Floor El. <u>93</u> Room, Area <u>1A103,07</u>	
Manufacturer, Model, Etc. (optional but recommended) PYCO INC, 102-9039-	08-6
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 results of judgments and
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⊠
Is the anchorage free of bent, broken, missing or loose hardware? Item mounted on plate, plate anchord to wall	Y⊠ N□ U□ N/A□
Is the anchorage free of corrosion that is more than mild surface oxidation? Anchors coated	Y⊠ N□ U□ N/A□
Is the anchorage free of visible cracks in the concrete near the anchors? No visible cracks in concrete	Y⊠ N□ U□ N/A□
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Selsmic Walkdown Checklist (SWC) SWEL1- 072	Status: Y⊠ N☐ U☐
Equipment ID No. E31N001A Equip. Class: 19 - Temperature Se	ensors
Equipment Description Air Temperature Element(RHR A EQUIPMENT AREA 2	TEMPERATURE ELEMENT)
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y⊠ N□ U□ N/A□
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?	Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage?	Y⊠ N□ U□ N/A□
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 The temperature element was visually inspected from the stairway at app	roximately elevation 97'.
Evaluated by: Chase Wharton Chub Fred Hopkins Judish Lag	Date: 10/8/2012 10/8/2012 Page 2 of 3

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	Status: Y⊠ N□ U□
Seismic Walkdown Checklist (SWC) <u>SWEL1- 072</u>	
Equipment ID No. <u>E31N001A</u> Equip. Class¹ <u>19 – Temperature Se</u>	nsors
Equipment Description Air Temperature Element(RHR A EQUIPMENT AREA 2	TEMPERATURE ELEMENT)
Photographs	
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Seismic Walkdown Checklist (SWC) SWEL1- 073
Equipment ID No. E31N031A Equip. Class 19 - Temperature Sensors
Equipment Description Air Temperature Element (MSL Pipe Tunnel Ambient Temperature Element)
Location: Bldg. <u>AB</u> Floor El. <u>139</u> Room, Area <u>1A305, 08</u>
Manufacturer, Model, Etc. (optional but recommended) Pyco GE, 145C3224
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
 Is the anchorage configuration verification required (i.e., is the item one Y N N N N N N N N N N N N N N N N N 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 Y☐ N☐ U☐ N/A☐ oxidation?
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 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 Y☐ N☐ U☐ potentially adverse seismic conditions?

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

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Seismic Walkdown Checklist (SWC) <u>SWEL1- 073</u>	Status: Y N N U
Equipment ID No. <u>E31N031A</u> Equip. Class: <u>19 - Temperature Sel</u>	nsors
Equipment Description Air Temperature Element (MSL Pipe Tunnel Ambient Te	emperature Element)
Interaction Effects 7. Are soft targets free from impact by nearby equipment or structures?	Y N U N/A
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_
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	
Evaluated by:	Date:

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Seismic Walkdown Checklist (SWC)SWEL1	1- 073
Equipment ID No. <u>E31N031A</u> Equip. Cla	Class¹ <u>19 - Temperature Sensors</u>
Equipment Description Air Temperature Element (MS	MSL Pipe Tunnel Ambient Temperature Element)
Photographs	
Note:	Note:

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		Status: Y☐ N⊠ U☐
Seismic Walkdown Checklist (SWC) <u>SWEL</u>	<u>.1-</u>	073
Equipment ID No. <u>E31N031A</u> Equip. 0	Class	ss¹ <u>19 - Temperature Sensors</u>
Equipment Description Air Temperature Element (N	/SL	L Pipe Tunnel Ambient Temperature Element)
·		
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Seismic Walkdown Checklist (SWC) SWEL1- 074	
Equipment ID No. <u>M71N007A</u> Equip. Class¹ <u>19 - Temperature Ser</u>	nsors
Equipment Description <u>Temperature Element (CTMT 139 ft Elevation Temperature Element (CTMT 139 ft Elevation Element (CTMT 139 </u>	ture Element)
Location: Bldg. <u>CTMT</u> Floor El. <u>135</u> Room, Area <u>1A313, CTM</u>	T
Manufacturer, Model, Etc. (optional but recommended) <u>Thermo Electric</u> , 2762	20
Instructions for Completing Checklist	7 1 7 A MW
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 results of judgments and
Anchorage	
 Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 	Y□ N⊠
 Is the anchorage free of bent, broken, missing or loose hardware? Angle member supporting temperature element is welded to the structural steel. 	Y⊠ N□ U□ N/A□
No bent, broken, missing or loose hardware found.	
Is the anchorage free of corrosion that is more than mild surface oxidation?	Y⊠ N□ U□ N/A□
No visual indication of corrosion found.	
Is the anchorage free of visible cracks in the concrete near the anchors?	Y□ N□ U□ N/A⊠
No concrete connection.	
 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⊠
Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?	Y⊠ N□ U□

¹ Enter the equipment class <u>name</u> from EPRI 1025286 Appendix B: Classes of Equipment.

Seismic Walkdown Checklist (SWC) SWEL1- 074	Status: Y⊠ N∐ U∐
Equipment ID No. <u>M71N007A</u> Equip. Class: <u>19 - Temperature Se</u>	nsors
Equipment Description Temperature Element (CTMT 139 ft Elevation Temperature	ture Element)
Interaction Effects	· · · · · · · · · · · · · · · · · · ·
7. Are soft targets free from impact by nearby equipment or structures? All equipments/structures nearby are rigidly supported.	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? All overhead items are rigidly supported.	Y N U N/A
 Do attached lines have adequate flexibility to avoid damage? Flex conduit has been used for routing cable to the temperature transmitter, therefore attached line has adequate flexibility. 	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□
<u>Comments</u>	,
None	
Evaluated by: Kyong S. (Jason) Pak	Date: <u>9/27/2012</u>
Tori Robinson Hou Colunson	9/27/2012

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Seismic Walkdown Checklist (SWC) SWEL1- 074

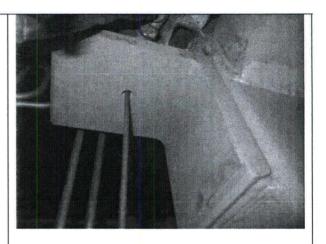
Equipment ID No. M71N007A Equip. Class 19 - Temperature Sensors

Equipment Description <u>Temperature Element (CTMT 139 ft Elevation Temperature Element)</u>

Photographs







Note: Temperature Element