

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 004**Equipment ID No. PS-19-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKSEquipment Description PRESSURE SWITCH (RK-10AA)Location: Bldg. RB Floor El. 303 Room, Area \_\_\_\_\_

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  
*Attached to rack.* Y  N  U  N/A

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y N U**Seismic Walkdown Checklist (SWC) SWEL2- 004**Equipment ID No. PS-19-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKSEquipment Description PRESSURE SWITCH (RK-10AA)

5. Is the anchorage configuration consistent with plant documentation?  
(Note: This question only applies if the item is one of the 50% for which 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

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 3 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC)** SWEL2- 004

Equipment ID No. PS-19-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

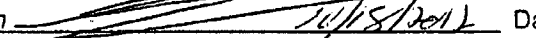
Equipment Description PRESSURE SWITCH (RK-10AA)

**Other Adverse Conditions**

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

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

SWEL2 PHOTOS

Evaluated by: Marcus Hecht-Nielsen  Date: 10-10-2012

Raymond Tworek  10/18/12 10-10-2012

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

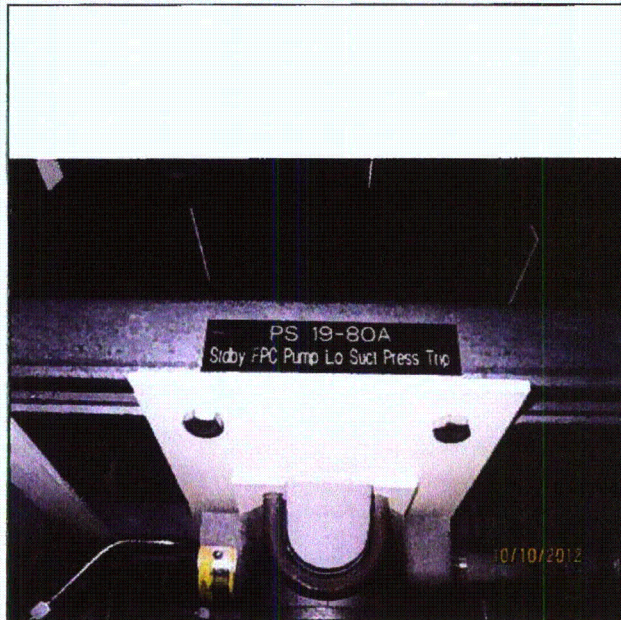
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**Seismic Walkdown Checklist (SWC) SWEL2- 004**

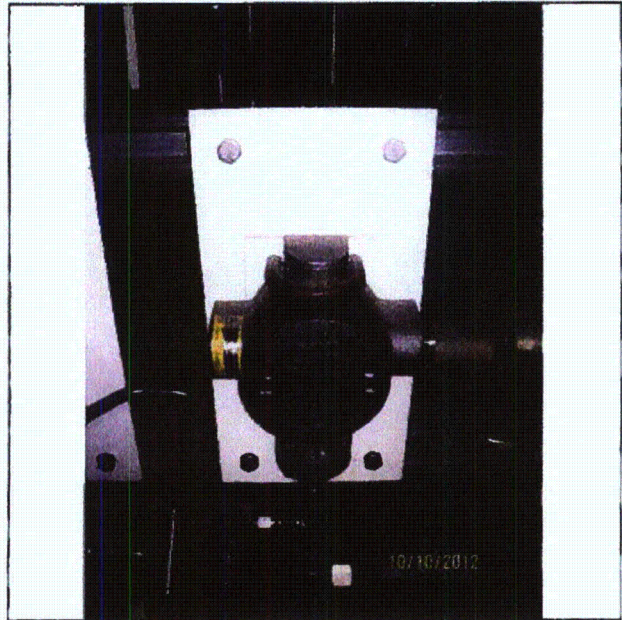
Equipment ID No. PS-19-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description PRESSURE SWITCH (RK-10AA)

**Photographs**



**Note:** PS-19-80A



**Note:** PS-19-80A

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

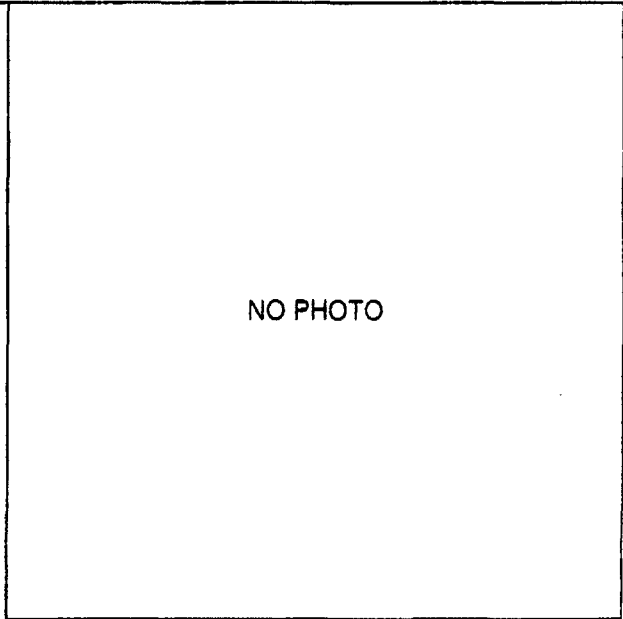
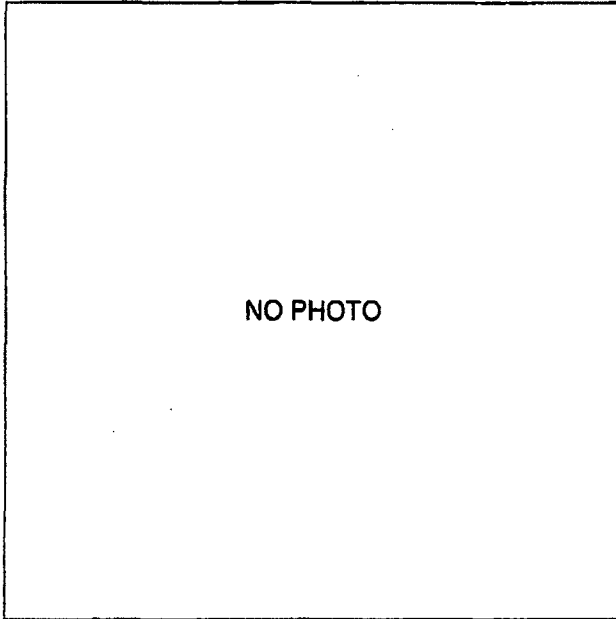
Sheet 5 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 004**

Equipment ID No. PS-19-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description PRESSURE SWITCH (RK-10AA)



**Note:**

**Note:**

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 005**Equipment ID No. PI-19-84A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKSEquipment Description PRESSURE INDICATOR (RK-10AA)Location: Bldg. RB Floor El. 303 Room, Area \_\_\_\_\_

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A   
*Attached to rack.*

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 005**Equipment ID No. PI-19-84A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKSEquipment Description PRESSURE INDICATOR (RK-10AA)

5. Is the anchorage configuration consistent with plant documentation?  
(Note: This question only applies if the item is one of the 50% for which 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

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y  N  U  N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y  N  U  N/A
9. Do attached lines have adequate flexibility to avoid damage? Y  N  U  N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y  N  U

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 3 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 005**

Equipment ID No. PI-19-84A Equip. Class' 18 - INSTRUMENTS ON RACKS

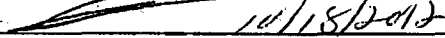
Equipment Description PRESSURE INDICATOR (RK-10AA)

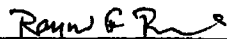
**Other Adverse Conditions**

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

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

SWEL2 PHOTOS

Evaluated by: Marcus Hecht-Nielsen  Date: 10-10-2012

Raymond Tworek  10/18/12 10-10-2012



**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

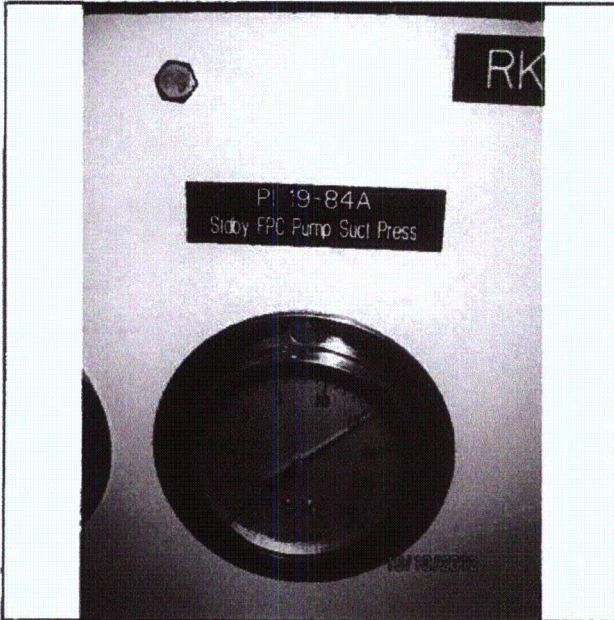
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**Seismic Walkdown Checklist (SWC) SWEL2- 005**

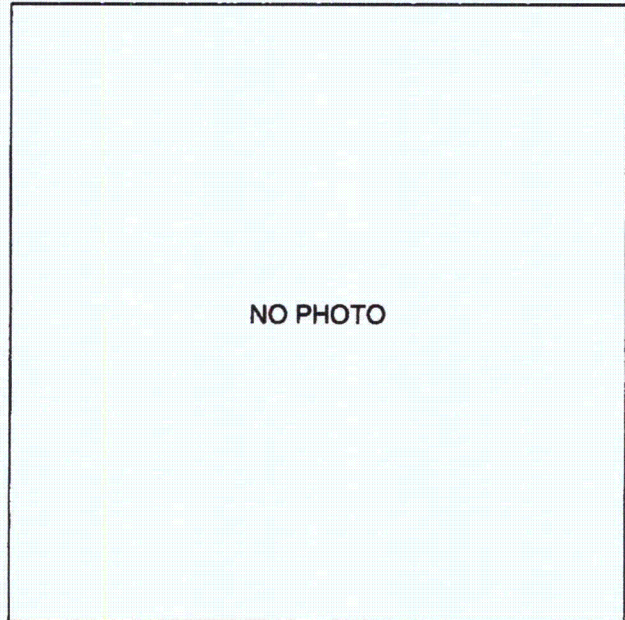
Equipment ID No. PI-19-84A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description PRESSURE INDICATOR (RK-10AA)

**Photographs**



**Note:** PI-19-84A



**Note:**

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

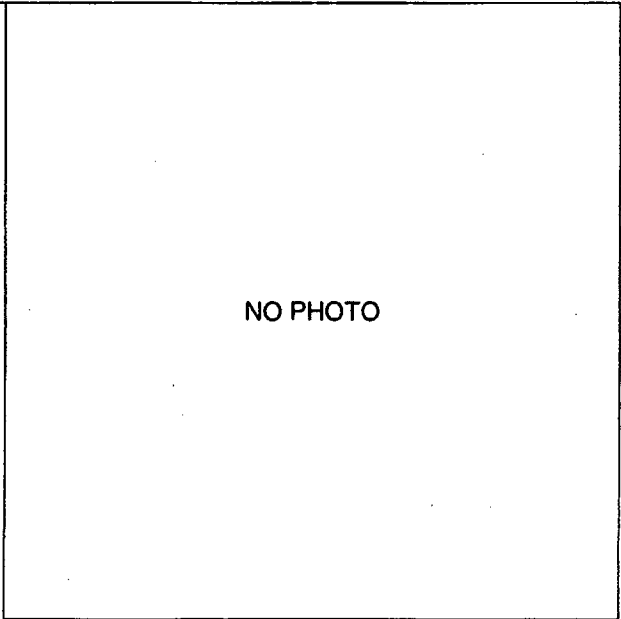
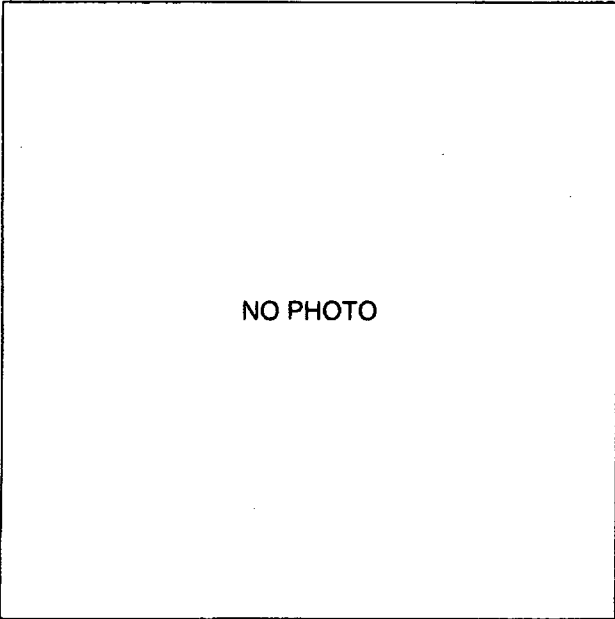
Sheet 5 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 005**

Equipment ID No. PI-19-84A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description PRESSURE INDICATOR (RK-10AA)



**Note:**

**Note:**

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 006**Equipment ID No. FI-19-73 Equip. Class<sup>1</sup> 0Equipment Description FLOW INDICATORLocation: Bldg. RB Floor El. 303 Room, Area \_\_\_\_\_

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A   
*Attached to rack.*

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 006**Equipment ID No. FI-19-73 Equip. Class<sup>1</sup> 0Equipment Description FLOW INDICATOR

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 anchorage configuration verification is required.)

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

**Interaction Effects**

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

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

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

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

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 3 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC)** SWEL2- 006

Equipment ID No. FI-19-73 Equip. Class<sup>1</sup> 0

Equipment Description FLOW INDICATOR


**Other Adverse Conditions**

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

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

*SWEL2 PHOTOS*

Evaluated by: Marcus Hecht-Nielsen  Date: 10-10-2012

Ray Tworek  10/18/12 10-10-2012

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

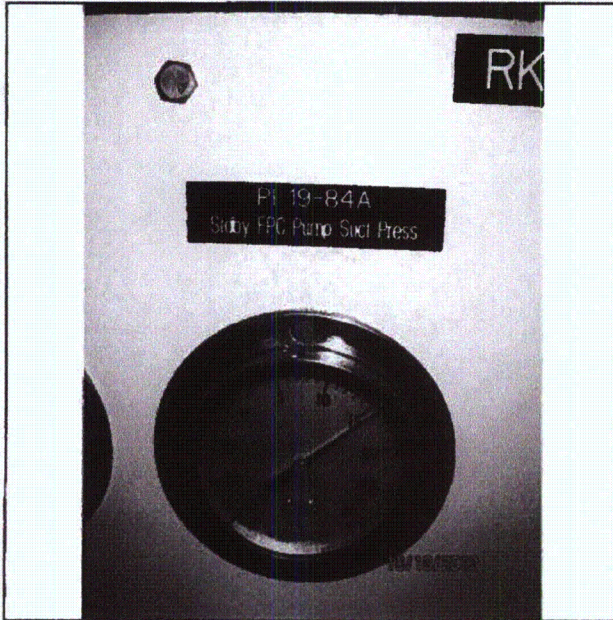
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Seismic Walkdown Checklist (SWC) SWEL2- 006

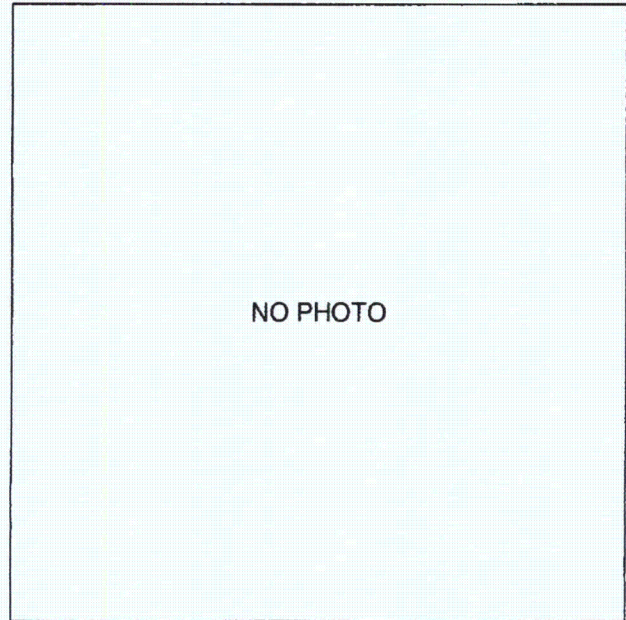
Equipment ID No. FI-19-73 Equip. Class<sup>1</sup> 0

Equipment Description FLOW INDICATOR

**Photographs**



**Note:** PI-19-84A



**Note:**

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

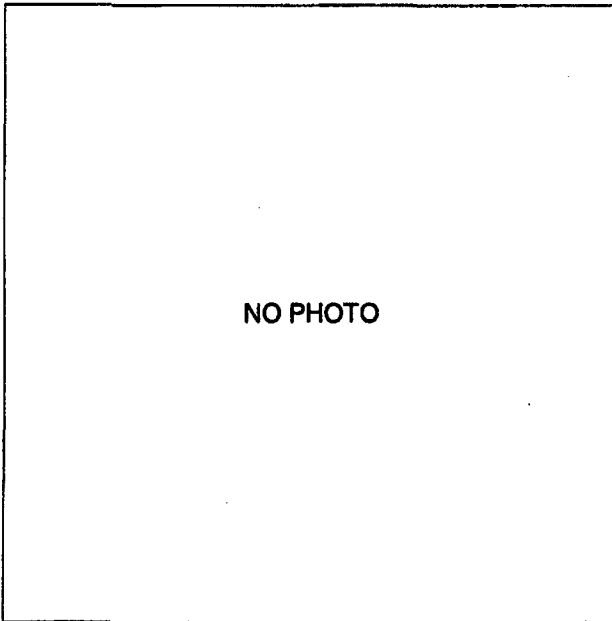
Sheet 5 of 5

Status: Y  N  U

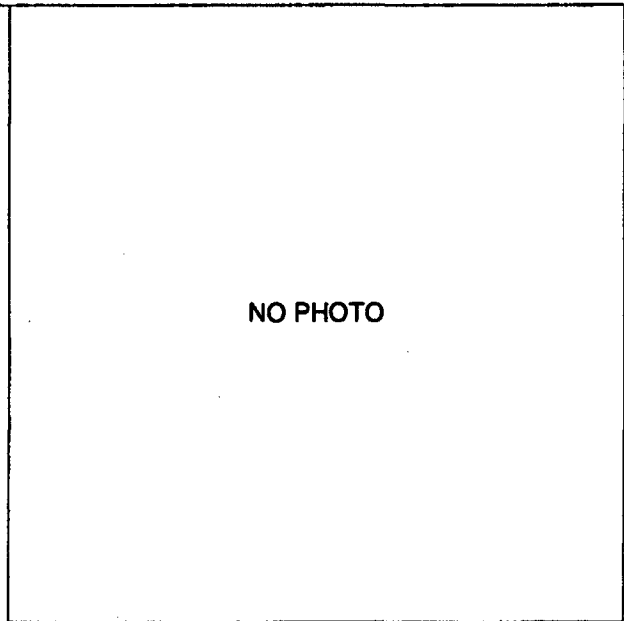
Seismic Walkdown Checklist (SWC) SWEL2- 006

Equipment ID No. FI-19-73 Equip. Class' 0

Equipment Description FLOW INDICATOR



NO PHOTO



NO PHOTO

**Note:**

**Note:**

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 007**Equipment ID No. V70-257B Equip. Class<sup>1</sup> 8AEquipment Description SW MOV SFPC Hx OUTLETLocation: Bldg. RB Floor El. 303 Room, Area FP Hx RM

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A 
  - This is an inline valve
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A 
  - See Question 2
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A 
  - See Question 2

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



**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 007**Equipment ID No. V70-257B Equip. Class<sup>1</sup> 8AEquipment Description SW MOV SFPC Hx OUTLET

5. Is the anchorage configuration consistent with plant documentation? Y  N  U  N/A   
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

- Not one of the 50% Items

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

- See Question 5

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y  N  U  N/A   
  - There is a conduit that passes within 2" of the valve. The conduit is seismically restrained and presents no adverse seismic concerns.

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   
  - There is a Unistrut style support for the valve's conduit. Where the support mounts to the wall there is an abandoned nut in the Unistrut track. It has a spring retainer and a relatively small mass if it were to fall on the valve it would have no adverse seismic impact.
  - There are 2 Akteck hoist rings above the valve, they were inspected from the ground and appear to be securely mounted per manufacturer and plant requirements.

9. Do attached lines have adequate flexibility to avoid damage? Y  N  U  N/A   
  - Lines were visually inspected

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

ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 3 of 5

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 007

Equipment ID No. V70-257B Equip. Class' 8A

Equipment Description SW MOV SFPC Hx OUTLET

**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

- Visual inspection was conducted

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

*SWEL2 PHOTOS*

Evaluated by: Mike Rose *Mike Rose* Date: 10/22/12

Dave Grimes *DFG* 10/22/12

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

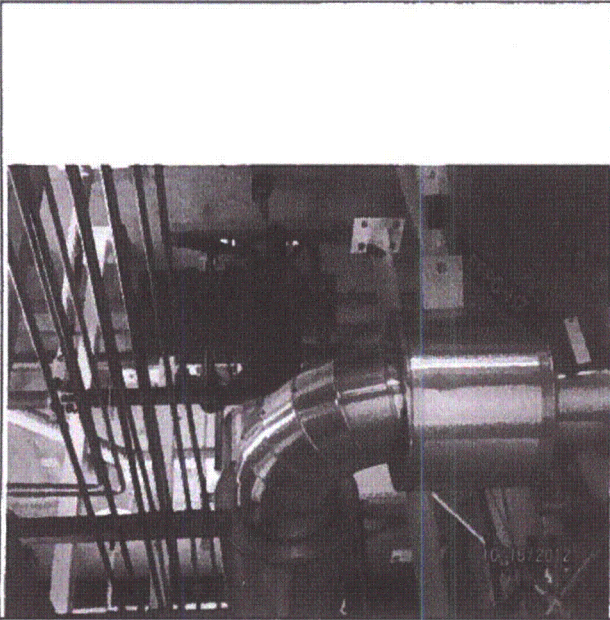
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**Seismic Walkdown Checklist (SWC) SWEL2- 007**

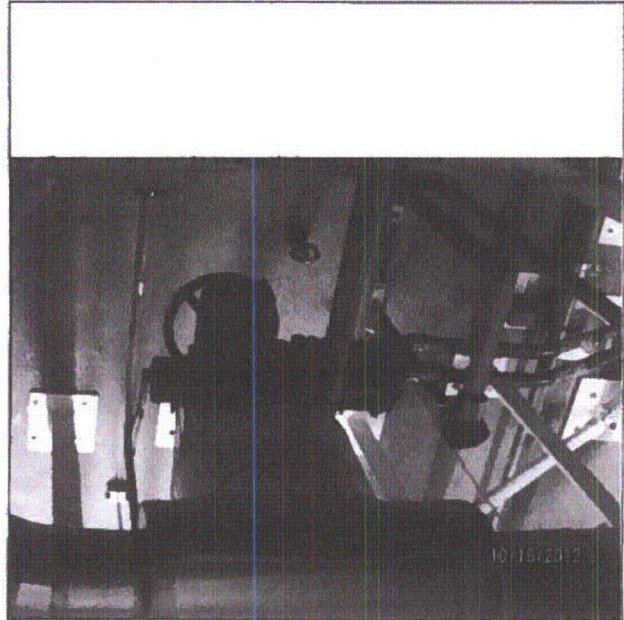
Equipment ID No. V70-257B Equip. Class<sup>1</sup> 8A

Equipment Description SW MOV SFPC Hx OUTLET

**Photographs**



Note:



Note:

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 5 of 5

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 007

Equipment ID No. V70-257B Equip. Class<sup>1</sup> 8A

Equipment Description SW MOV SFPC Hx OUTLET

No Photo	No Photo
<b>Note:</b>	<b>Note:</b>

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 008**

Equipment ID No. P19-2A Equip. Class<sup>1</sup> 5

Equipment Description SFPC PUMP

Location: Bldg. RB Floor El. 303 Room, Area FP Hx RM

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

**Instructions for Completing Checklist**

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

**Anchorage**

- 1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
- 2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A 
  - Anchorage was visually inspected, all nuts and bolts were installed and securely engaged.
  
- 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A 
  - Visually inspected
  
- 4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A 
  - Visually inspected

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 008**Equipment ID No. P19-2A Equip. Class<sup>1</sup> 5Equipment Description SFPC PUMP

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.)
- Although not part of the 50% anchorage verification. All anchorage was inspected and verified to be consistent with plant documentation.
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y  N  U
- See above responses.

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y  N  U  N/A
- Area was visually inspected and all soft targets a free from impact concerns that would create an adverse seismic condition.
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
- Cable Trays above the pump are adequately supported.
9. Do attached lines have adequate flexibility to avoid damage? Y  N  U  N/A
- Visually inspected
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y  N  U
- See above responses.

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 3 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 008**

Equipment ID No. P19-2A Equip. Class<sup>1</sup> 5

Equipment Description SFPC PUMP

**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
- Area was visually inspected.

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

*SWEL2 PHOTOS*

Evaluated by: Mike Rose *Mike Rose* Date: 10/22/12

Dave Grimes *DF Grimes* 10/22/12

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

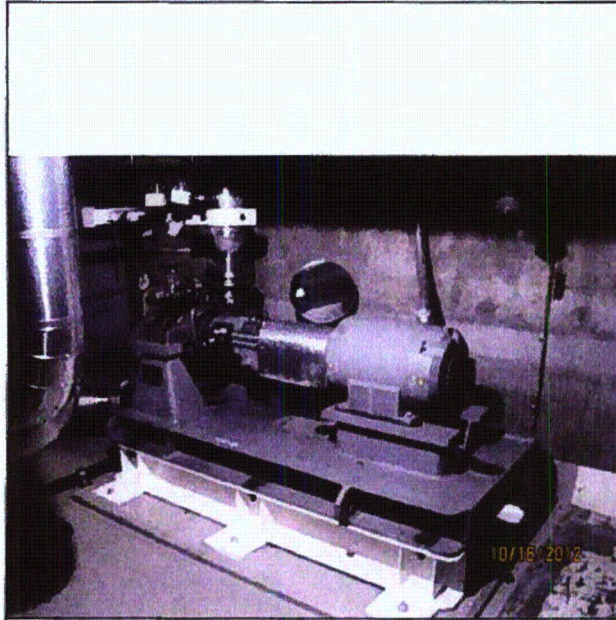
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**Seismic Walkdown Checklist (SWC) SWEL2- 008**

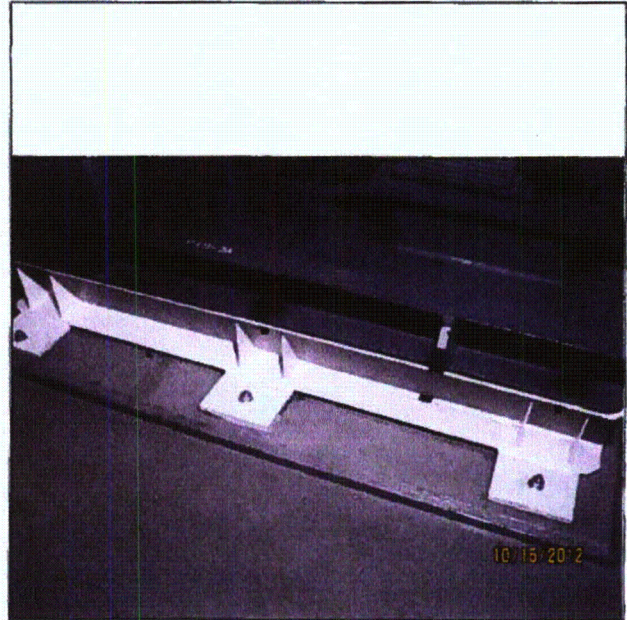
Equipment ID No. P19-2A Equip. Class<sup>1</sup> 5

Equipment Description SFPC PUMP

**Photographs**



**Note:**



**Note:**



ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

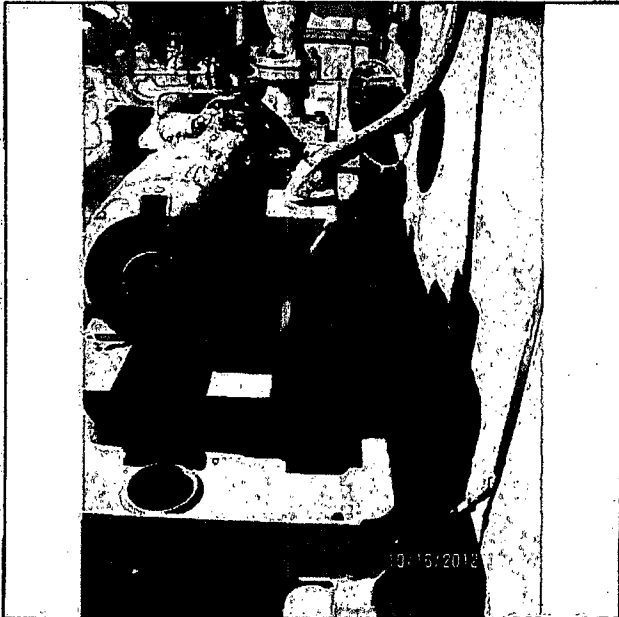
Sheet 5 of 5

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 008

Equipment ID No. P19-2A Equip. Class<sup>1</sup> 5

Equipment Description SFPC PUMP



No Photo

Note:

Note:

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 009**Equipment ID No. E19-2A Equip. Class<sup>1</sup> 21Equipment Description SFPC HEAT EXCHANGERLocation: Bldg. RB Floor El. 303 Room, Area FP Hx RM

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A 
  - Anchorage was visually inspected, all nuts and bolts were installed and securely engaged.
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A 
  - Visually inspected
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A 
  - Visually inspected

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 009**Equipment ID No. E19-2A Equip. Class<sup>1</sup> 21Equipment Description SFPC HEAT EXCHANGER

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
- Although not part of the 50% anchorage verification. All anchorage was inspected and verified to be consistent with plant documentation.
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y  N  U
- See above responses.

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y  N  U  N/A
- Area was visually inspected and all soft targets a free from impact concerns that would create an adverse seismic condition..
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
- Cable Trays and piping above the heat exchanger are adequately supported.
9. Do attached lines have adequate flexibility to avoid damage? Y  N  U  N/A
- Visually inspected
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y  N  U
- See responses above

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 009

Equipment ID No. E19-2A Equip. Class<sup>1</sup> 21

Equipment Description SFPC HEAT EXCHANGER

**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

- Area was visually inspected

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

*SWEL2 PHOTOS*

Evaluated by: Mike Rose *Mike Rose* Date: 10/22/12

Dave Grimes *D.F. Grimes* 10/22/12

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

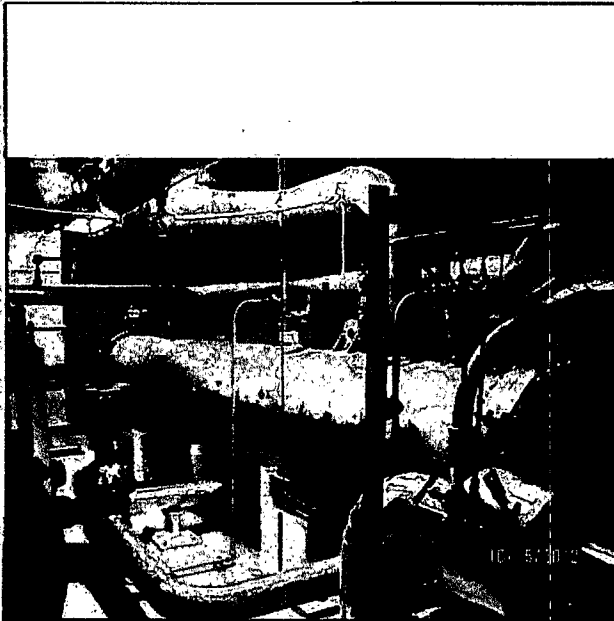
Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 009**

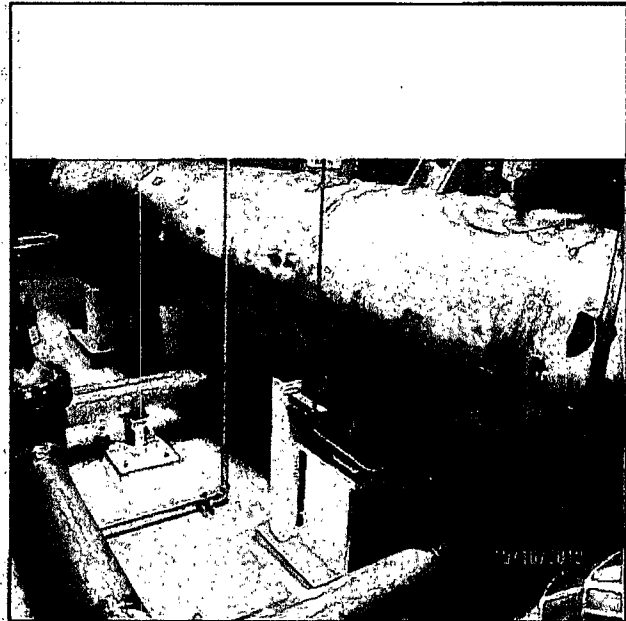
Equipment ID No. E19-2A Equip. Class<sup>1</sup> 21

Equipment Description SFPC HEAT EXCHANGER

**Photographs**



**Note:**



**Note:**

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 5 of 5

Status: Y  N  U

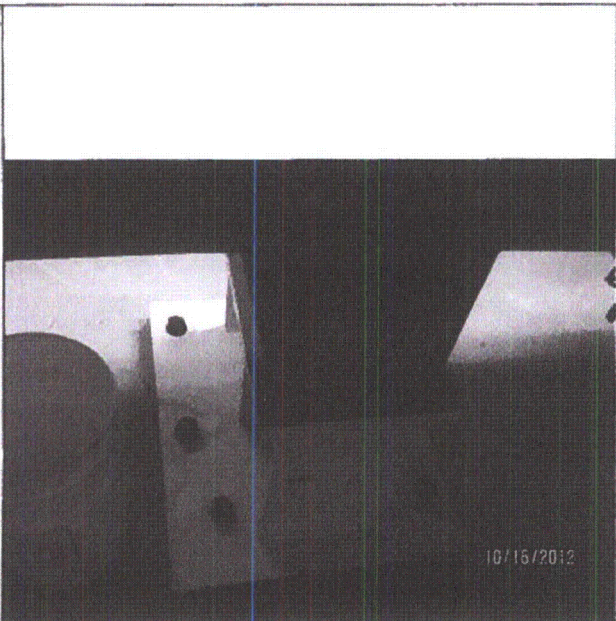
**Seismic Walkdown Checklist (SWC) SWEL2- 009**

Equipment ID No. E19-2A Equip. Class<sup>1</sup> 21

Equipment Description SFPC HEAT EXCHANGER



**Note:**



**Note:**

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 010**Equipment ID No. CAD PANEL B Equip. Class<sup>1</sup> 20

Equipment Description \_\_\_\_\_

Location: Bldg. CB Floor El. 272' Room, Area CONT RM

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

**Instructions for Completing Checklist**

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

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A

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

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 010**Equipment ID No. CAD PANEL B Equip. Class' 20

Equipment Description \_\_\_\_\_

5. Is the anchorage configuration consistent with plant documentation?  
(Note: This question only applies if the item is one of the 50% for which 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

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y  N  U  N/A
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y  N  U  N/A
9. Do attached lines have adequate flexibility to avoid damage? Y  N  U  N/A
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y  N  U



ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 3 of 5

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 010

Equipment ID No. CAD PANEL B Equip. Class<sup>1</sup> 20

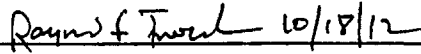
Equipment Description \_\_\_\_\_

**Other Adverse Conditions**

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

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

Evaluated by: Marcus Hecht-Nielsen  Date: 10-15-2012

Raymond Tworek  10/18/12 10-15-2012

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 4 of 5

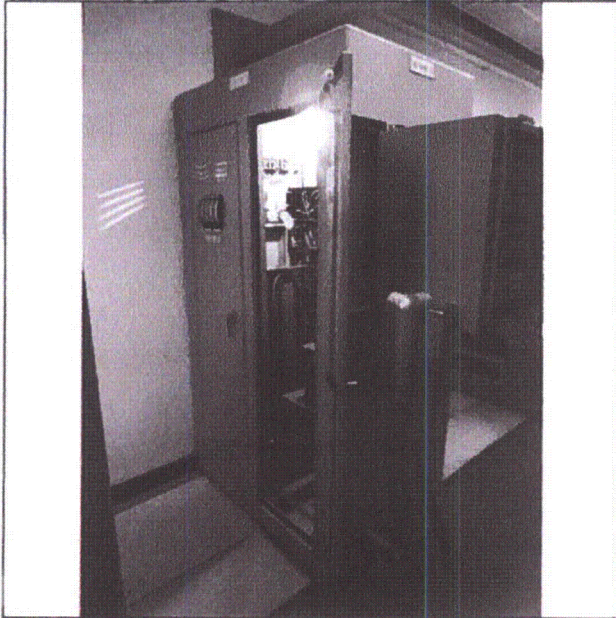
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Seismic Walkdown Checklist (SWC) SWEL2- 010

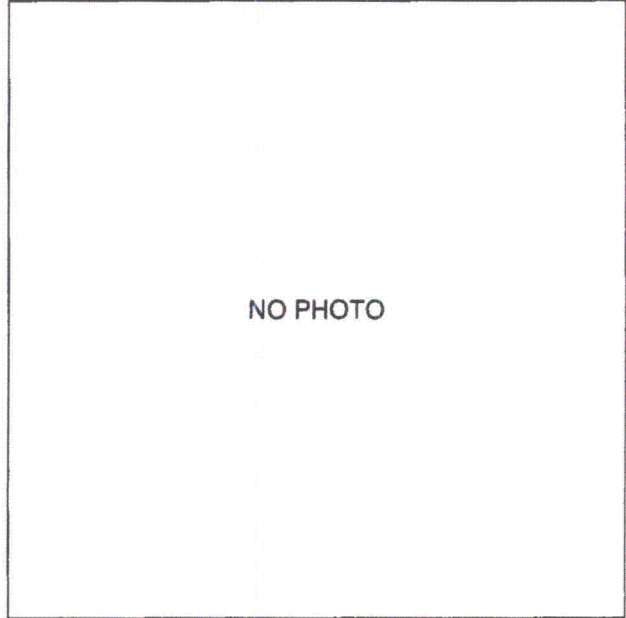
Equipment ID No. CAD PANEL B Equip. Class<sup>1</sup> 20

Equipment Description \_\_\_\_\_

**Photographs**



**Note:** CAD PANEL B



**Note:**

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

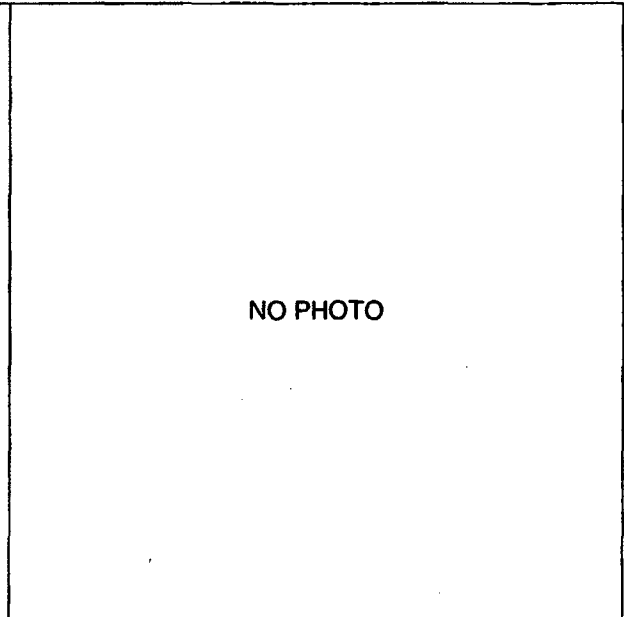
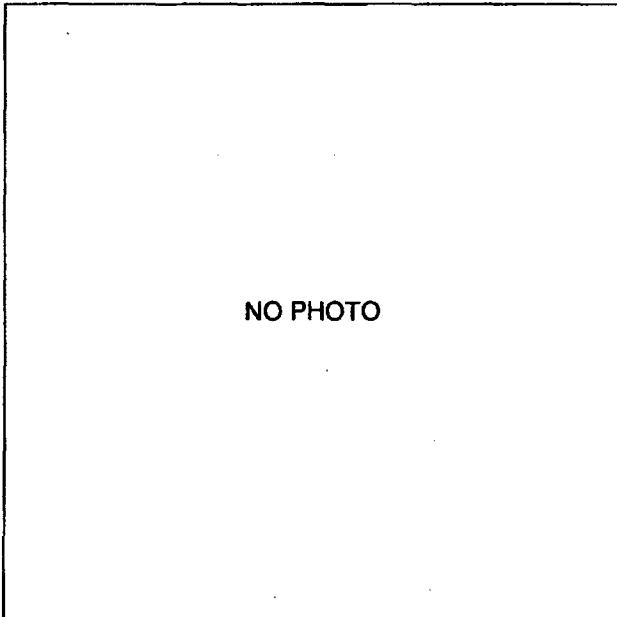
Sheet 5 of 5

Status: Y  N  U

Seismic Walkdown Checklist (SWC) SWEL2- 010

Equipment ID No. CAD PANEL B Equip. Class<sup>1</sup> 20

Equipment Description \_\_\_\_\_



Note:

Note:

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 1 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 011**

Equipment ID No. FT-104-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description FLOW TRANSMITTER (RK-10AA)

Location: Bldg. RB Floor El. 303 Room, Area \_\_\_\_\_

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

**Instructions for Completing Checklist**

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

**Anchorage**

- 1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y  N
  
- 2. Is the anchorage free of bent, broken, missing or loose hardware? Y  N  U  N/A
  
- 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y  N  U  N/A
  
- 4. Is the anchorage free of visible cracks in the concrete near the anchors? Y  N  U  N/A   
*Attached to rack.*

<sup>1</sup> Enter the equipment class name from EPR1 1025286, Appendix B: Classes of Equipment.

**ATTACHMENT 9.6****SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 2 of 5

Status: Y  N  U **Seismic Walkdown Checklist (SWC) SWEL2- 011**Equipment ID No. FT-104-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKSEquipment Description FLOW TRANSMITTER (RK-10AA)

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 anchorage configuration verification is required.)

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

**Interaction Effects**

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

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

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

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

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

Sheet 3 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC)** SWEL2- 011

Equipment ID No. FT-104-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description FLOW TRANSMITTER (RK-10AA)

**Other Adverse Conditions**

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

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

*SWEL2 PHOTOS*

Evaluated by: Marcus Hecht-Nielsen *[Signature]* Date: 10-10-2012

Raymond Tworek *Raymond F. Tworek* 10/15/12 10-10-2012

ATTACHMENT 9.6

SEISMIC WALKDOWN CHECKLIST FORM

Sheet 4 of 5

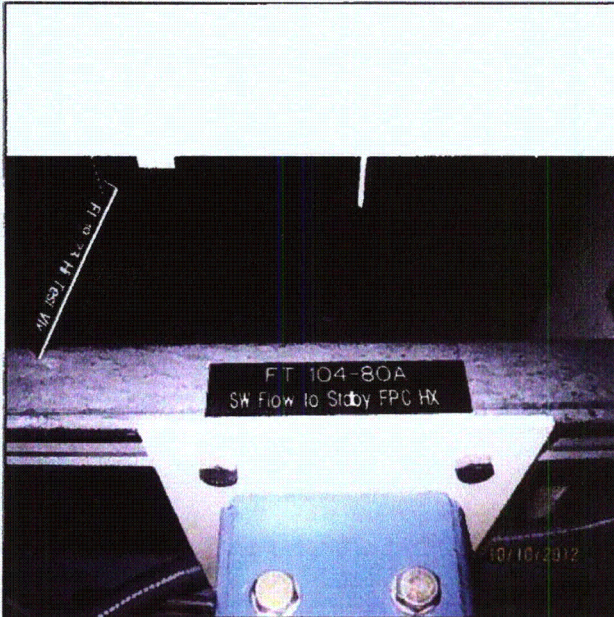
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Seismic Walkdown Checklist (SWC) SWEL2- 011

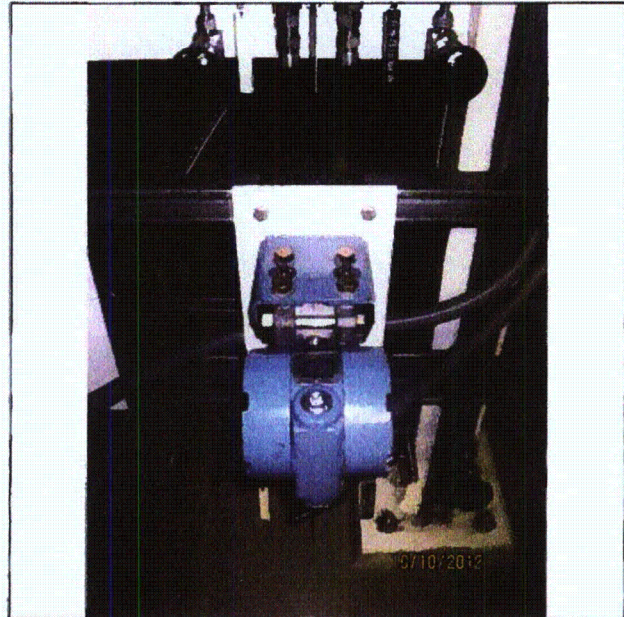
Equipment ID No. FT-104-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description FLOW TRANSMITTER (RK-10AA)

Photographs



Note: FT-104-80A



Note: FT-104-80A

**ATTACHMENT 9.6**

**SEISMIC WALKDOWN CHECKLIST FORM**

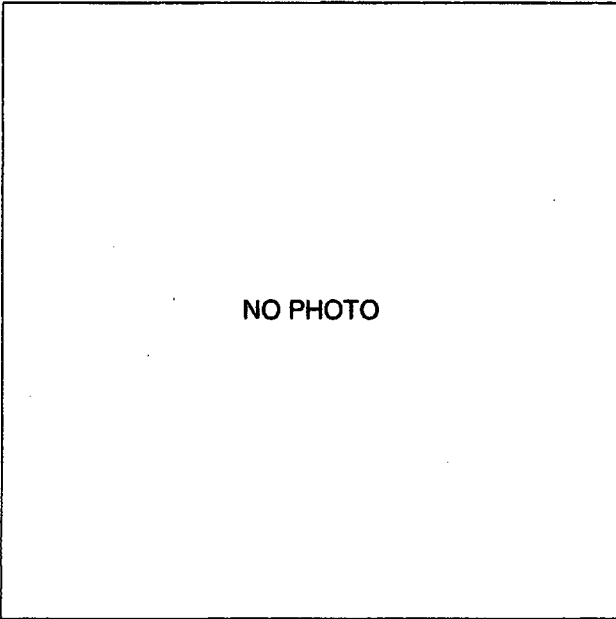
Sheet 5 of 5

Status: Y  N  U

**Seismic Walkdown Checklist (SWC) SWEL2- 011**

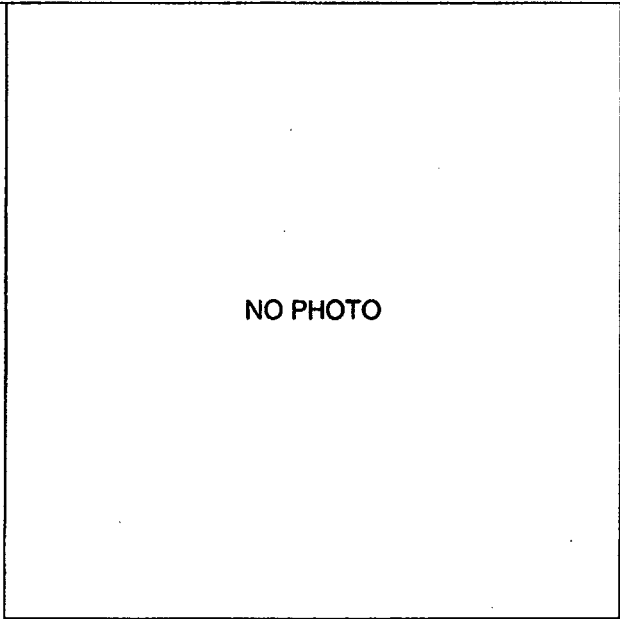
Equipment ID No. FT-104-80A Equip. Class<sup>1</sup> 18 - INSTRUMENTS ON RACKS

Equipment Description FLOW TRANSMITTER (RK-10AA)



NO PHOTO

**Note:**



NO PHOTO

**Note:**



## Items Deferred to RFO 30 (March 2013)

### Steam Tunnel

SWEL1-030	V23-16	HPCI/STEAM SUPPLY MOV	Steam Tunnel
SWEL1-053	V2-86A	MAIN STEAM/OUTBOARD MSIV	Steam Tunnel
SWEL1-054	S-2-6A	MAIN STEAM/OUTBOARD MSIV INST AIR SUPPLY ACCUMULATOR	Steam Tunnel
SWEL1-073	TS-23-101A	HPCI/STEAM LEAK DETECTOR	Steam Tunnel
SWEL1-074	TS-23-102A	HPCI/STEAM LEAK DETECTOR	Steam Tunnel
SWEL1-075	TS-23-103A	HPCI/STEAM LEAK DETECTOR	Steam Tunnel
SWEL1-076	TS-23-104A	HPCI/STEAM LEAK DETECTOR	Steam Tunnel
SWEL1-077	SE-2-86A-1	MS/OUTBOARD MSIV SOLENOID AC/DC	Steam Tunnel

### Drywell

SWEL1-029	V23-15	HPCI/STEAM SUPPLY MOV	Drywell
SWEL1-041	TE-16-19-30A	DW TEMP INDICATION	Drywell
SWEL1-052	V2-80D	MAIN STEAM/INBOARD MSIV	Drywell
SWEL1-055	RV-2-71C	MAIN STEAM/RELIEF VALVE	Drywell
SWEL1-057	S-2-13A	SAFETY RELIEF VALVE/NITROGEN SUPPLY ACCUMULATOR	Drywell

**Attachment D**  
**Area Walk-By Checklists (AWCs)**

<b>AWC #</b>	<b>SWELL #</b>	<b>Page</b>
001	1-014, 085, 087	3
002	1-006, 019, 066	8
003	1-008	13
004	1-034, 035, 100	17
005	1-051, 063, 064	23
006	1-007 (east half), 031, 089, 090, 091	28
007	1-007 (west half), 084, 086, 088, 091	33
008	1-009	38
009	1-010	43
010	1-011, 065	48
011	1-060	53
012	1-002, 033, 050, 096, 097	58
013	1-001, 003, 004, 033	63
014	1-027, 028, 068, 094, 095	68
015	1-020	73
016	1-036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099	78
017	1-025	83
018	1-012, 021	88
019	1-022	93
020	1-023, 101	98
021	1-016	103
022	1-017	108
023	1-015	113
024	1-013, 024	118
025	1-056, 078, 080	123
026	1-067	128
027	1-018, 2-001, 002, 003, 004, 005, 006, 011	133
028	1-079	138
029	1-102	143
030	1-061, 062	148
031	1-026	153
032	1-069	158
033	1-032, 058	163
034	1-059	168
035	1-005	173
036	1-071, 072, 081	178
037	1-092	183
038	1-070, 082, 083, 093, 2-010	188
039	2-007, 008, 009	193

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 001Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - WEST SIDE OF ROOMSWEL Components: SWEL- 014, 085, 087**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 001Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - WEST SIDE OF ROOMSWEL Components: SWEL- 014, 085, 087

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

*The light fixtures have a low mass and have positive retention features; therefore there is no adverse seismic spatial interaction concern with other equipment.*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 001

Location: Bldg. TB Floor El. 252 Room, Area' EDGR A - WEST SIDE OF ROOM

SWEL Components: SWEL- 014, 085, 087

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

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

- 1. Temporary scaffolding has wheels locked and is chained. Overhead Crane chain is properly secured.
- 2. Temporary test equipment secured; ok.
- 3. HVAC unit in northwest corner braced; ok.
- 4. Voltage rec compt in northwest corner has one loose thumbscrew that needs to be tightened on cabinet door panel. The remaining thumbscrews are positive attachment and are deemed sufficient to hold this door panel by engineering judgment. No seismic concern. -See CR-VTY-2012-04816 for corrective action.

Evaluated by: Marcus Hecht-Nielsen 10/18/2012 Date: 10-1-12

Raymond Tworek Raymond F. Frowd 10/18/12 10-1-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

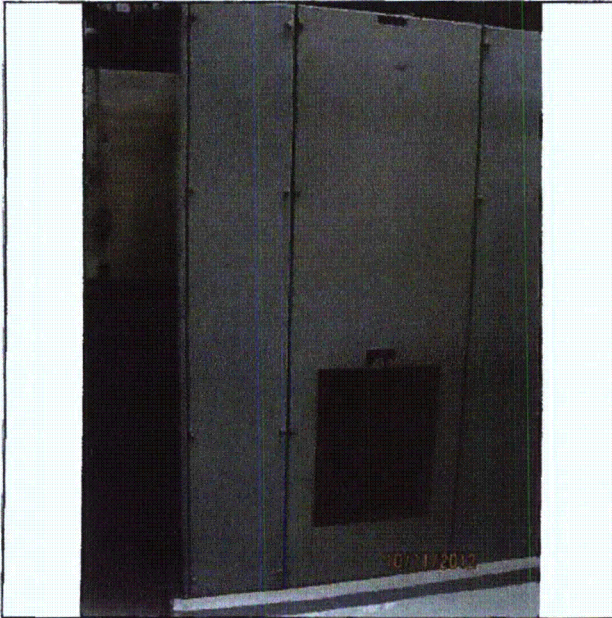
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 001

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - WEST SIDE OF ROOM

SWEL Components: SWEL- 014, 085, 087

**Photographs**



Note:



Note:

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 001

Location: Bldg. TB Floor El. 252 Room, Area EDGR A - WEST SIDE OF ROOM

SWEL Components: SWEL- 014, 085, 087

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>



**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 002Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - EAST SIDE OF ROOMSWEL Components: SWEL- 006, 019, 066**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 002

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - EAST SIDE OF ROOM

SWEL Components: SWEL- 006, 019, 066

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?

Y  N  U  N/A

*The light fixtures have a low mass and have positive retention features; therefore there is no adverse seismic spatial interaction concern with other equipment.*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?

Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?

Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 002

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - EAST SIDE OF ROOM

SWEL Components: SWEL- 006, 019, 066

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
 See comment #2

Comments (Additional pages may be added as necessary)

1. Scaffolding tagged (Green) Log# 12-085 -ok. Ladders secured properly - NO ISSUE WITH ADVERSE SEISMIC INTERACTION.

2. discharge line clip was found to be partially disconnected (see photo). Issue was corrected using ~~CR~~ CR-

\* VT

VTY-2012-04870

JAN 10/21/12

N 10-25-12

Evaluated by: Marcus Hecht-Nielsen ~~10/18/2012~~ Date: 10-1-12

Raymond Tworek

Raymond Tworek 10/18/12

10-1-12

\* CORRECTED CR NUMBER

Jedson 10/26/12  
[Signature] 10-25-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

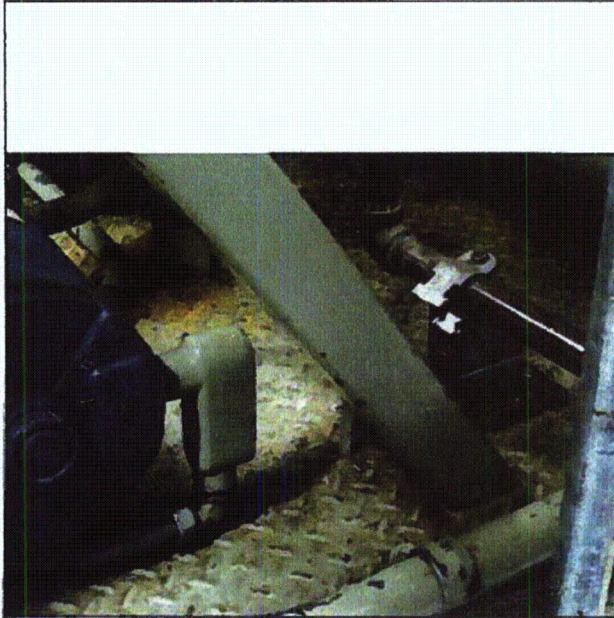
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 002

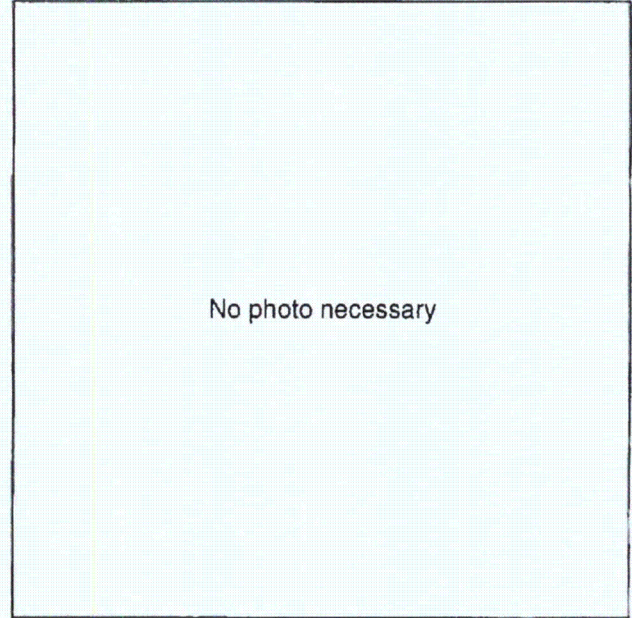
Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - EAST SIDE OF ROOM

**SWEL Components:** SWEL- 006, 019, 066

**Photographs**



**Note:** *Discharge pipe support clip.*



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 002

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR A - EAST SIDE OF ROOM

SWEL Components: SWEL- 006, 019, 066

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 003Location: Bldg. TB Floor El. 252' Room, Area<sup>1</sup> DAY TK RM A, TBSWEL Components: SWEL1- 008**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*No cable tray or HVAC ducts in the area.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 003

Location: Bldg. TB Floor El. 252' Room, Area' DAY TK RMA, TB

**SWEL Components:** SWEL1- 008

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 003

Location: Bldg. TB Floor El. 252' Room, Area<sup>1</sup> DAY TK RM A, TB

**SWEL Components:** SWEL1- 008

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

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

*Conduit # 44258 SII Junction box B679 SII, 2 screws missing on left side. Junction box is about 3' from the valve. Picture is attached.  
REF CR-VTY-2012-04870*

Evaluated by: Kirit Parikh Parikh 10/18/2012 Date: 10/02/12

Randy Stephens Randy Stephens 10/18/2012 10/02/12



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 003

Location: Bldg. TB Floor El. 252' Room, Area<sup>1</sup> DAY TK RMA, TB

SWEL Components: SWEL1- 008

Photographs



**Note:** Left side (top and bottom) screws are missing. Junction box is about 3' from the valve



**Note:** Left side view of # B 679 SII showing gap resulting from missing screws.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

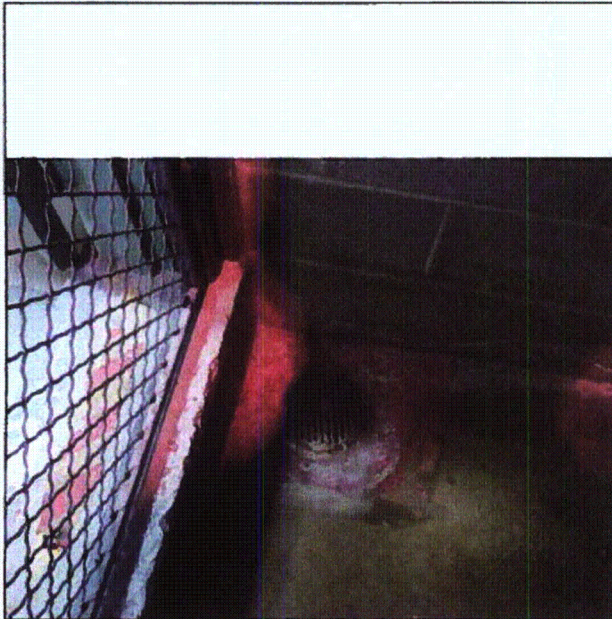
Sheet 5 of 5

Status: Y  N  U

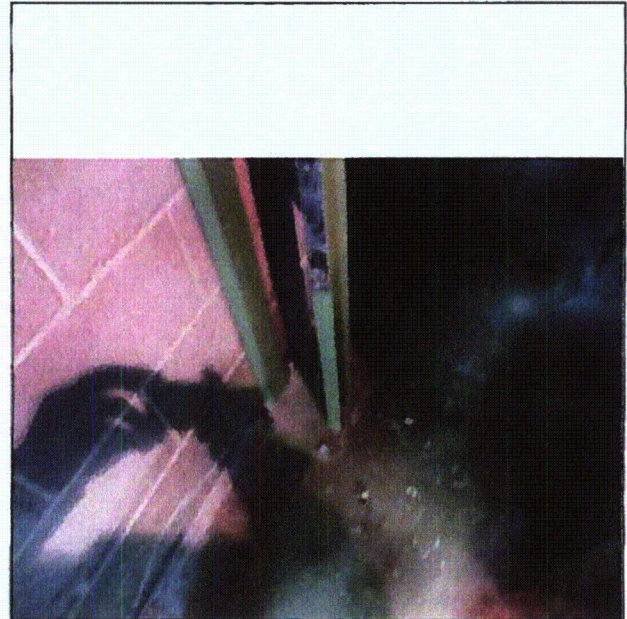
Area Walk-By Checklist (AWC) AWC- 003

Location: Bldg. TB Floor El. 252' Room, Area<sup>1</sup> DAY TK RM A, TB

SWEL Components: SWEL1- 008



**Note:** Wall staining – possible drain backup. Not a seismic concern



**Note:** Wall staining.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 004Location: Bldg. CST Floor El. 252' Room, Area<sup>1</sup> CONDENSATE STORAGE TANK, YARD AREASWEL Components: SWEL- 034, 035, 100**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A   
*No cable trays located in the Walk-By area.*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 004Location: Bldg. CST Floor El. 252' Room, Area CONDENSATE STORAGE TANK, YARD AREASWEL Components: SWEL- 034, 035, 100

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6.. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Temporary power equipment and spare pump assy has a large low center of mass and is not a seismic interaction concern.*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 004

Location: Bldg. CST Floor El. 252' Room, Area CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL- 034, 035, 100

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

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

*None.*

Evaluated by: Kirit Parikh

*Parikh* 10/18/2012

Date: 10/02/12

Randy Stephens

*Randy Stephens* 10/18/2012

10/02/12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

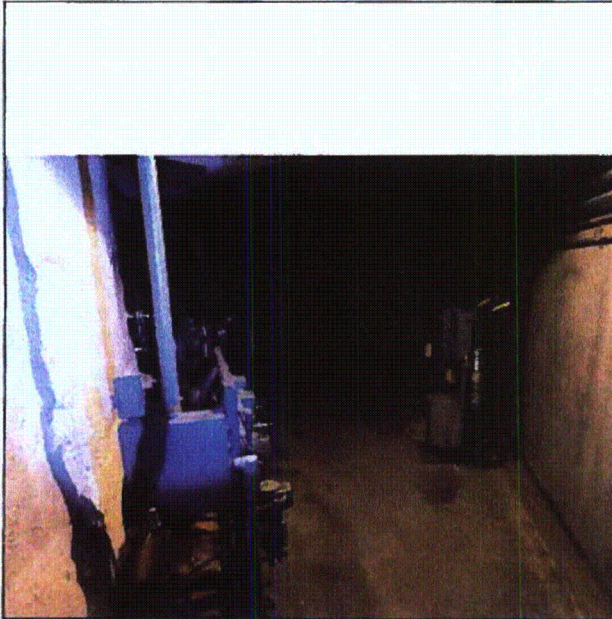
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 004

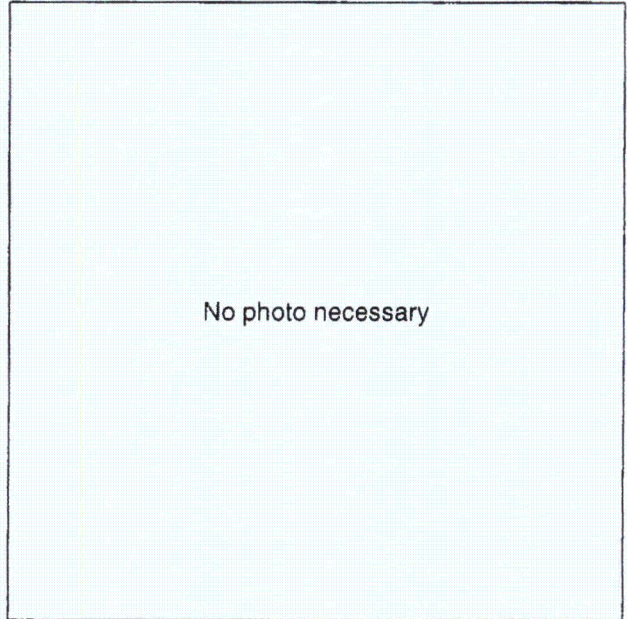
Location: Bldg. CST Floor El. 252' Room, Area' CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL- 034, 035, 100

**Photographs**



**Note: SEE THE COMMENT ON ITEM 7  
NO SEISMIC IMPACT.**



No photo necessary

Note:

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

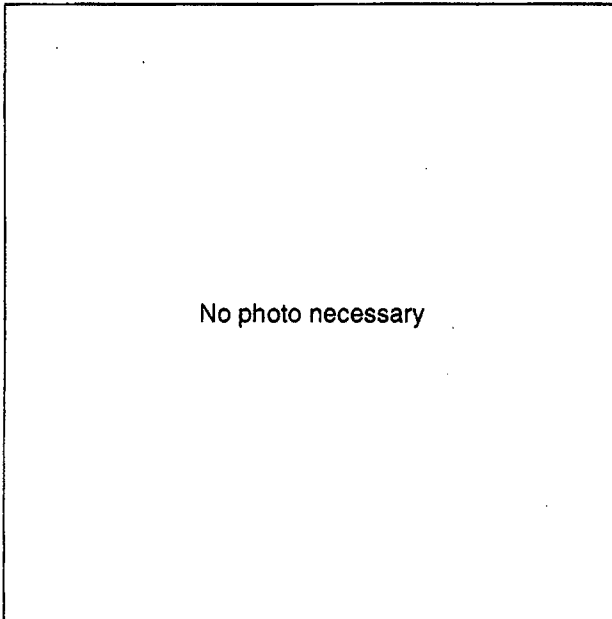
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 004

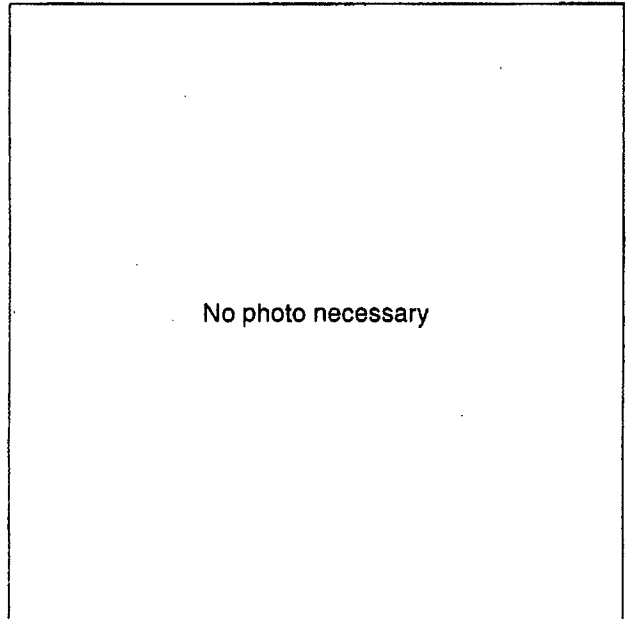
Location: Bldg. CST Floor El. 252' Room, Area CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL- 034, 035, 100



No photo necessary

Note:



No photo necessary

Note:

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 005Location: Bldg. IS Floor El. 237 Room, Area<sup>1</sup> Whole RoomSWEL Components: SWEL- 051, 063, 064**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 005

Location: Bldg. IS Floor El. 237 Room, Area<sup>1</sup> Whole Room

**SWEL Components:** SWEL- 051, 063, 064

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 005

Location: Bldg. IS Floor El. 237 Room, Area' Whole Room

SWEL Components: SWEL- 051, 063, 064

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?  Y  N  U
- See comments.*

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

*Equipment hoist on west wall secured-no issue.*

*Ladders secured to north wall-no issue.*

*Pump grout pads exhibit minor cracks however otherwise intact and have no adverse seismic issue by engineering judgment.*

Evaluated by: Marcus Hecht-Nielsen ~~\_\_\_\_\_~~ 10/18/2012 Date: 10-2-12

Raymond Tworek Raymond F. Furd 10/17/12 10-2-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

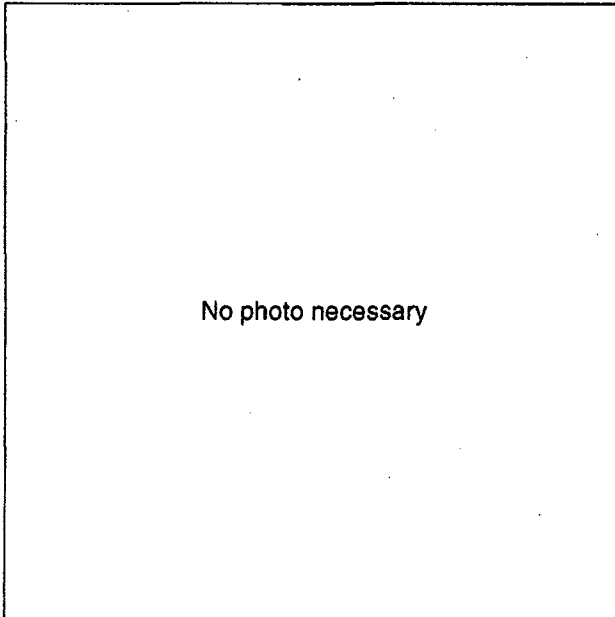
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 005

Location: Bldg. IS Floor El. 237 Room, Area<sup>1</sup> Whole Room

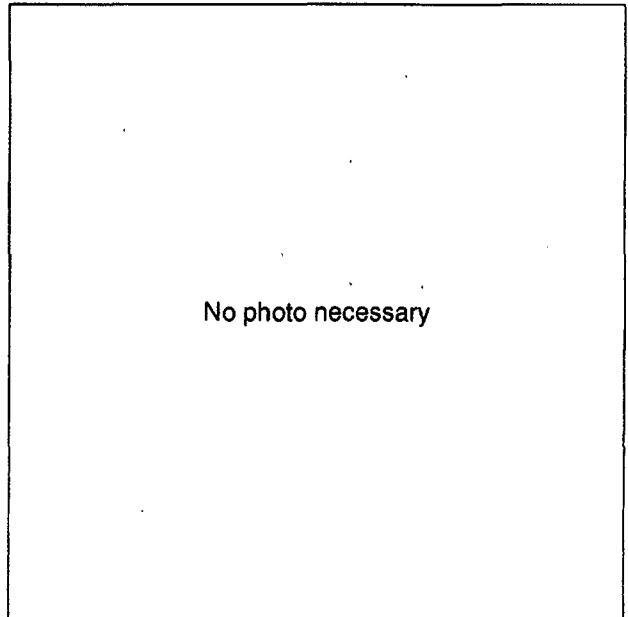
SWEL Components: SWEL- 051, 063, 064

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 005

Location: Bldg. IS Floor El. 237 Room, Area<sup>1</sup> Whole Room

SWEL Components: SWEL- 051, 063, 064

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 006

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -EAST SIDE OF ROOM

SWEL Components: SWEL- 007 (east half), 031, 089, 090, 091

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 006

Location: Bldg. TB Floor El. 252 Room, Area' EDGR B -EAST SIDE OF ROOM

**SWEL Components:** SWEL- 007 (east half), 031, 089, 090, 091

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 006

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -EAST SIDE OF ROOM

SWEL Components: SWEL- 007 (east half), 031, 089, 090, 091

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

Comments (Additional pages may be added as necessary)

Evaluated by: Marcus Hecht-Nielsen ~~10/16/2012~~ Date: 10-3-12

Raymond Tworek Raymond F Tworek 10/18/12 10-3-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

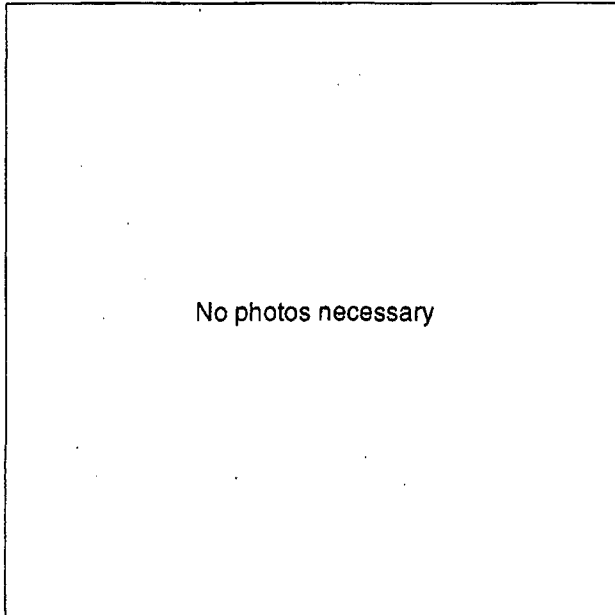
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 006

Location: Bldg. TB Floor El. 252 Room, Area' EDGR B -EAST SIDE OF ROOM

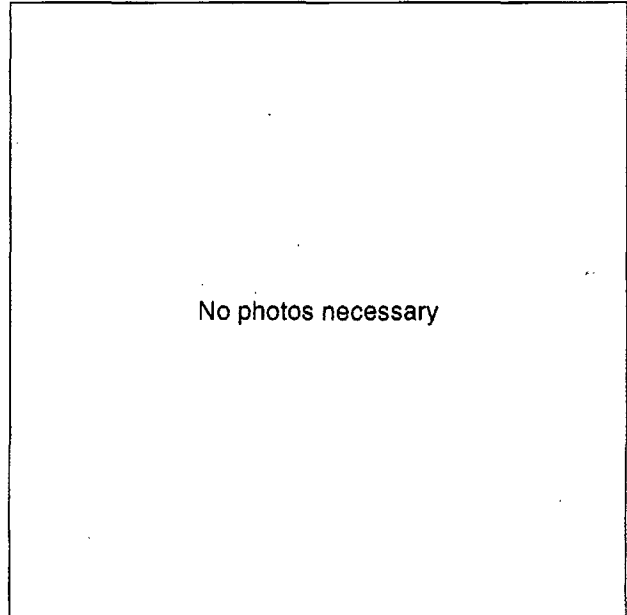
**SWEL Components:** SWEL- 007 (east half), 031, 089, 090, 091

**Photographs**



No photos necessary

**Note:**



No photos necessary

**Note:**



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 006

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -EAST SIDE OF ROOM

SWEL Components: SWEL- 007 (east half), 031, 089, 090, 091

No photos necessary
<b>Note:</b>

No photos necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 007Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -WEST SIDE OF ROOMSWEL Components: SWEL- 007 (west half), 084, 086, 088, 091**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 007

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -WEST SIDE OF ROOM

**SWEL Components:** SWEL- 007 (west half), 084, 086, 088, 091

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 007

Location: Bldg. TB Floor El. 252 Room, Area' EDGR B -WEST SIDE OF ROOM

SWEL Components: SWEL- 007 (west half), 084, 086, 088, 091

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

Comments (Additional pages may be added as necessary)

Evaluated by: Raymond Tworek *Raymond Tworek* 10/18/12 Date: 10-3-12

Marcus Hecht-Nielsen *Marcus Hecht-Nielsen* 10/18/2012 10-3-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

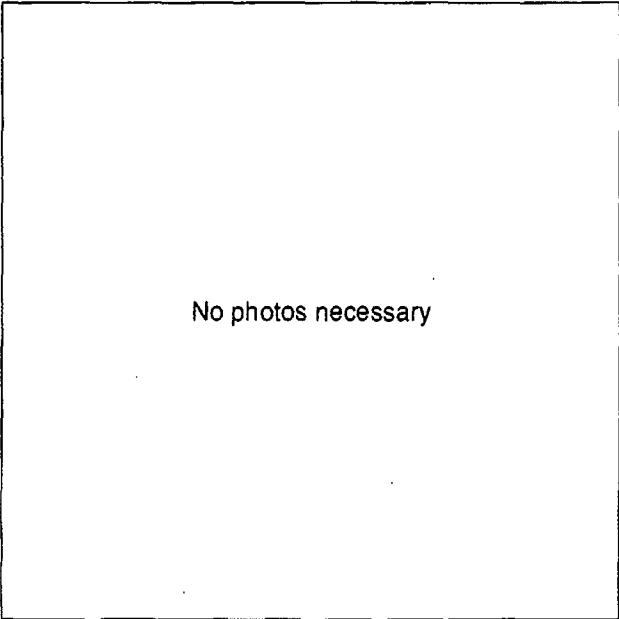
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 007

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -WEST SIDE OF ROOM

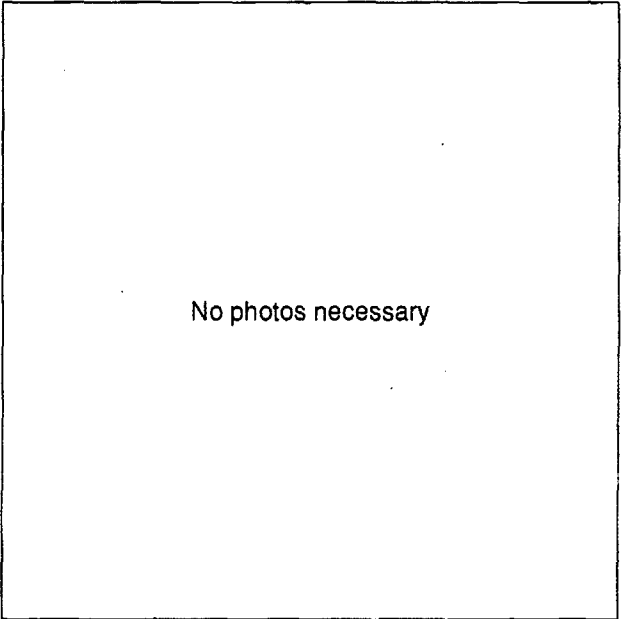
**SWEL Components:** SWEL- 007 (west half), 084, 086, 088, 091

**Photographs**



No photos necessary

**Note:**



No photos necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

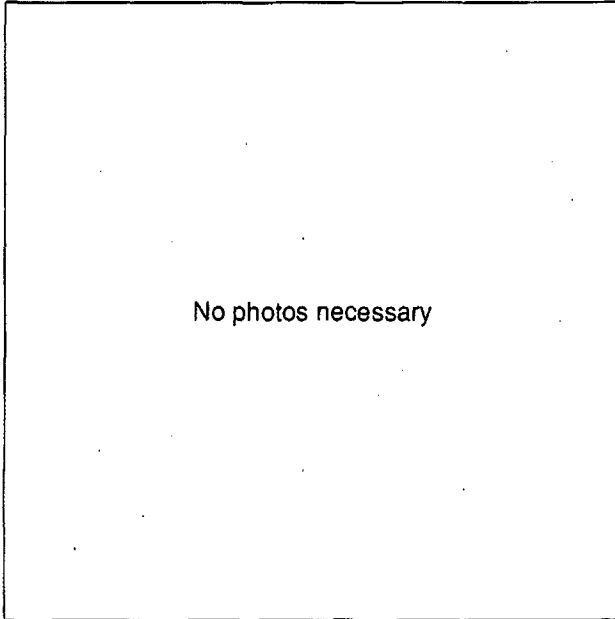
Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 007

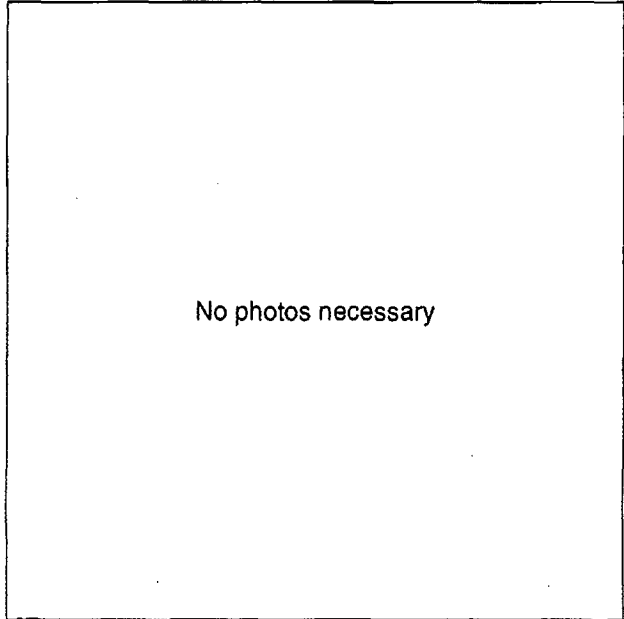
Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDGR B -WEST SIDE OF ROOM

**SWEL Components:** SWEL- 007 (west half), 084, 086, 088, 091



No photos necessary

**Note:**



No photos necessary

**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 008Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDG B DAY TANK ROOMSWEL Components: SWEL- 009**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 008Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDG B DAY TANK ROOM**SWEL Components:** SWEL- 009

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A
-



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 008


Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDG B DAY TANK ROOM

SWEL Components: SWEL- 009

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

Comments (Additional pages may be added as necessary)

Evaluated by: Marcus Hecht-Nielsen  10/18/2012 Date: 10-3-12

Raymond Tworek  10/18/12 10-3-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 008

Location: Bldg. TB Floor El. 252 Room, Area' EDG B DAY TANK ROOM

**SWEL Components:** SWEL- 009

**Photographs**

No photos necessary
<b>Note:</b>

No photos necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 008

Location: Bldg. TB Floor El. 252 Room, Area<sup>1</sup> EDG B DAY TANK ROOM

**SWEL Components:** SWEL- 009

No photos necessary
<b>Note:</b>

No photos necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 009Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> OUTSIDE FUEL OIL STORAGE TANK.(FOST)SWEL Components: SWEL1- 010**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 009**

Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> OUTSIDE FUEL OIL STORAGE TANK,(FOST)

**SWEL Components: SWEL1- 010**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 009

Location: Bldg. YARD Floor El. 252' Room, Area' OUTSIDE FUEL OIL STORAGE TANK,(FOST)

SWEL Components: SWEL1- 010

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh K Parikh 10/18/2012 Date: 10/03/2012

Randy Stephens Randy Stephens 10/18/2012 10/03/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

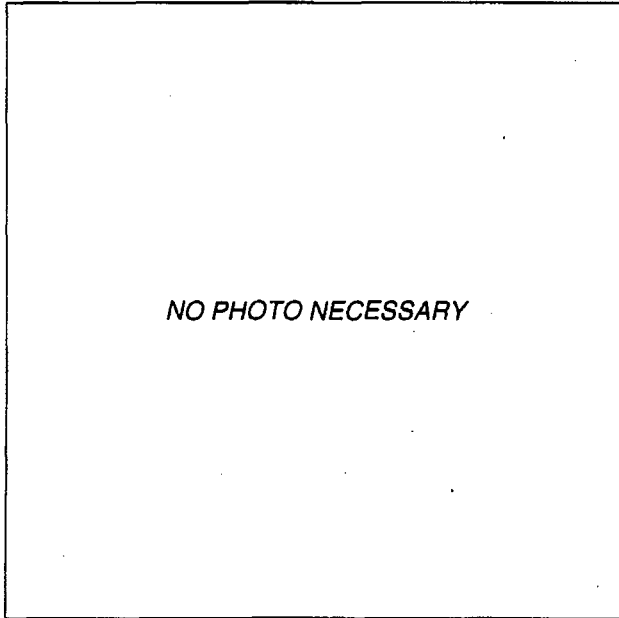
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 009

Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> OUTSIDE FUEL OIL STORAGE TANK.(FOST)

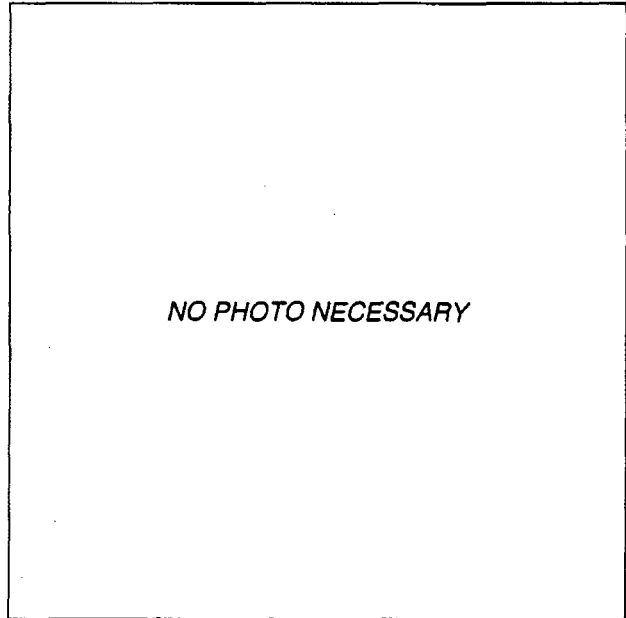
SWEL Components: SWEL1- 010

**Photographs**



NO PHOTO NECESSARY

**Note:**



NO PHOTO NECESSARY

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 009

Location: Bldg. YARD Floor El. 252' Room, Area' OUTSIDE FUEL OIL STORAGE TANK.(FOST)

SWEL Components: SWEL1- 010

<p>NO PHOTO NECESSARY</p>
<p>Note:</p>

<p>NO PHOTO NECESSARY</p>
<p>Note:</p>



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 010

Location: Bldg. FUEL OIL Floor El. 241' Room, Area<sup>1</sup> FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS. REF DWG G 191142

SWEL Components: SWEL1- 011, 065

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 010**

Location: Bldg. FUEL OIL Floor El. 241' Room, Area<sup>1</sup> FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS, REF DWG G 191142

**SWEL Components: SWEL1- 011, 065**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 010

Location: Bldg. FUEL OIL Floor El. 241' Room, Area<sup>1</sup> FUEL OIL PUMP, OUTSIDE IN THE YARD  
NEAR FOS, REF DWG G 191142

SWEL Components: SWEL1- 011, 065

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh K Parikh 10/18/2012 Date: 10/03/2012

Randy Stephens Randy Stephens 10/18/2012 10/03/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

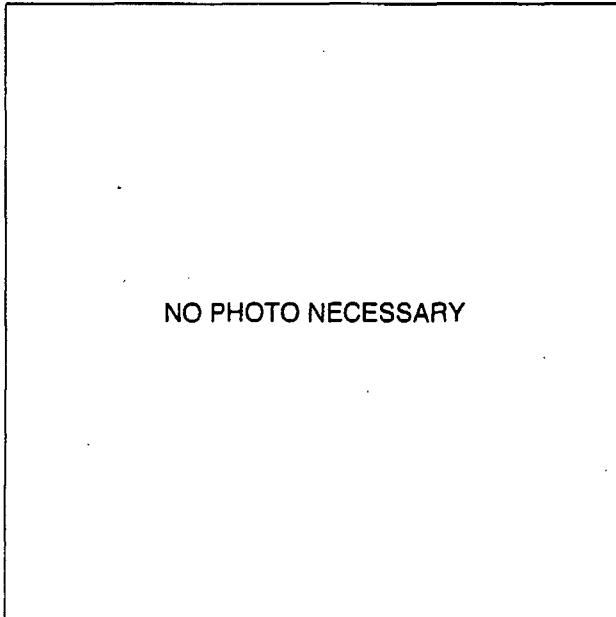
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 010**

Location: Bldg. FUEL OIL Floor El. 241' Room, Area' FUEL OIL PUMP, OUTSIDE IN THE YARD  
NEAR FOS, REF DWG G 191142

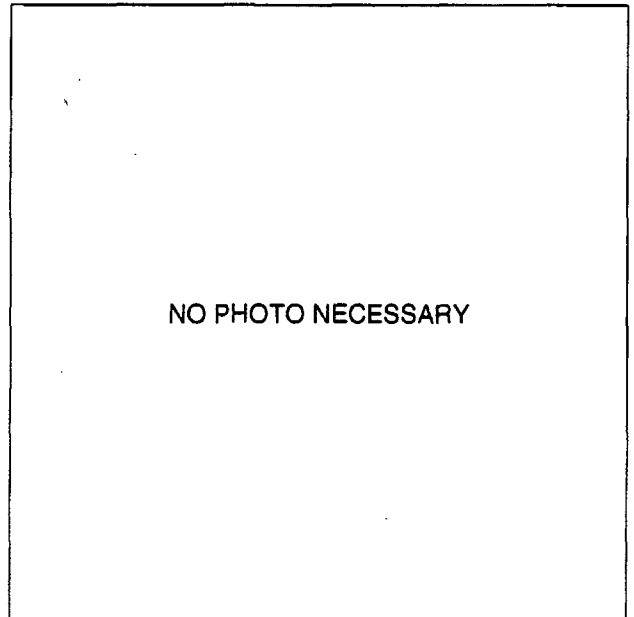
**SWEL Components: SWEL1- 011, 065**

**Photographs**



NO PHOTO NECESSARY

**Note:**



NO PHOTO NECESSARY

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

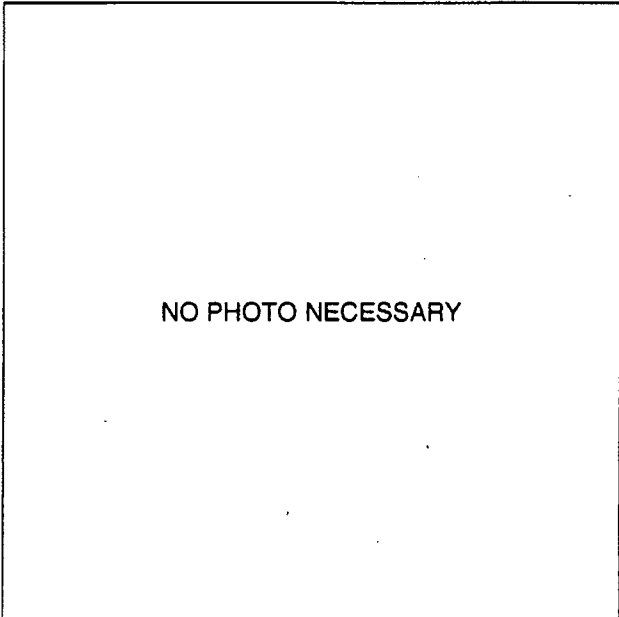
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 010

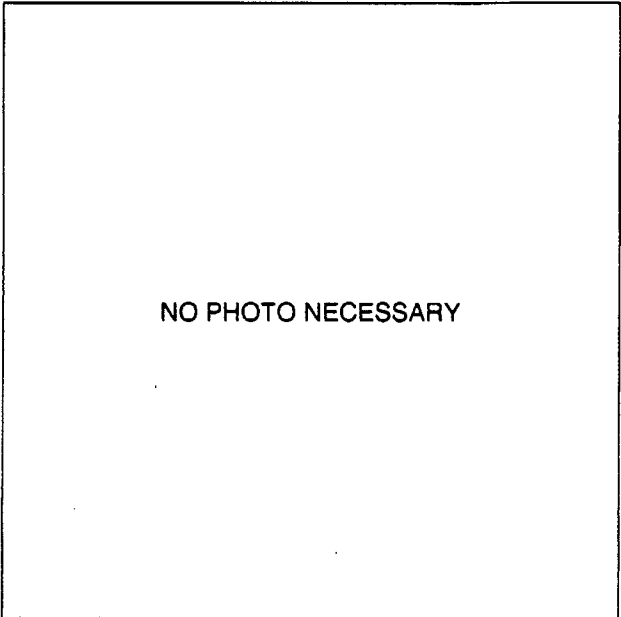
Location: Bldg. FUEL OIL Floor El. 241' Room, Area<sup>1</sup> FUEL OIL PUMP, OUTSIDE IN THE YARD NEAR FOS, REF DWG G 191142

SWEL Components: SWEL1- 011, 065



NO PHOTO NECESSARY

Note:



NO PHOTO NECESSARY

Note:

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 011Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> \_\_\_\_\_SWEL Components: SWEL1- 060**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 011

Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> \_\_\_\_\_

**SWEL Components:** SWEL1- 060

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 011


Location: Bldg. RB Floor El. 252 Room, Area' \_\_\_\_\_

SWEL Components: SWEL1- 060

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

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

Evaluated by: Marcus Hecht-Nielsen  Date: 10-4-12

Raymond Tworek  Date: 10-4-12



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

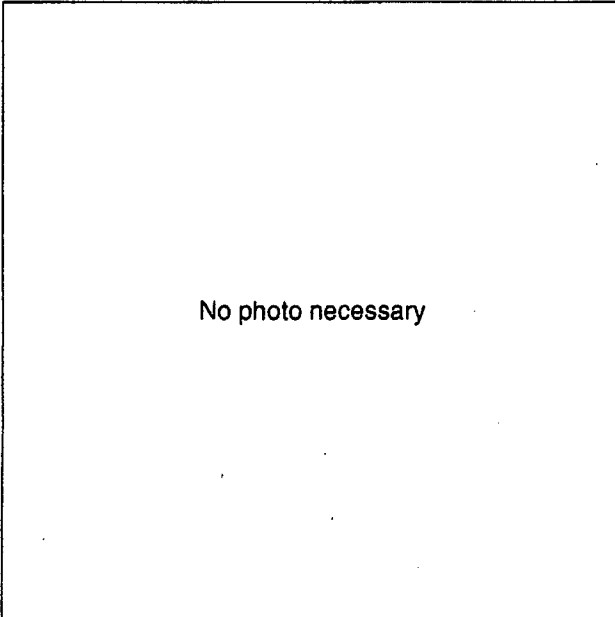
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 011

Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> \_\_\_\_\_

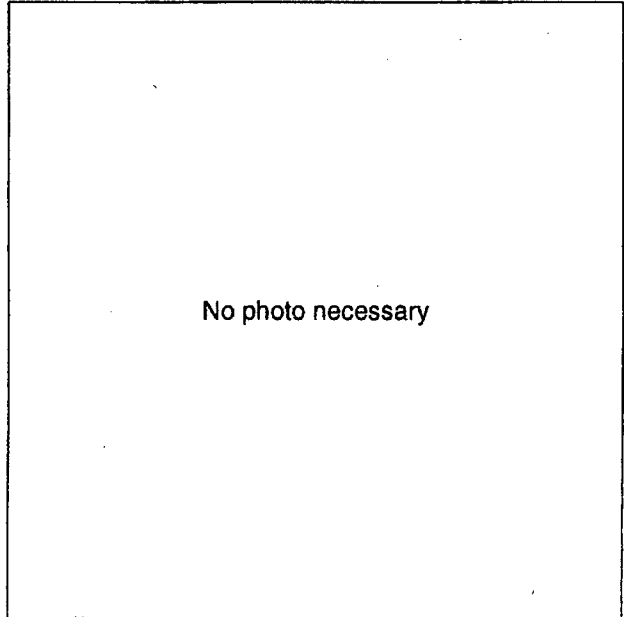
**SWEL Components:** SWEL1- 060

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 011

Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> \_\_\_\_\_

SWEL Components: SWEL1- 060

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 012Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> NORTHWEST AREA OF ROOM - WEST OF  
CRD HYD CONTROL UNITSSWEL Components: SWEL1- 002, 033, 050, 096, 097**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 012

Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS

**SWEL Components:** SWEL1- 002, 033, 050, 096, 097

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 012

Location: Bldg. RB Floor El. 252 Room, Area' NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS

SWEL Components: SWEL1- 002, 033, 050, 096, 097

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*See comment #2.*

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

1. Scaffold has blue tag- Dated 10/31/11-okay
2. Bolt missing on guard rail-has 5 of 6 bolts remaining, therefore no seismic issue. Okay by engineering judgment.

Evaluated by: Marcus Hecht-Nielsen  Date: 10-4-12

Raymond Tworek  10/18/12 10-4-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 012

Location: Bldg. RB Floor El. 252 Room, Area' NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS

SWEL Components: SWEL1- 002, 033, 050, 096, 097

Photographs



Note:



Note:

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

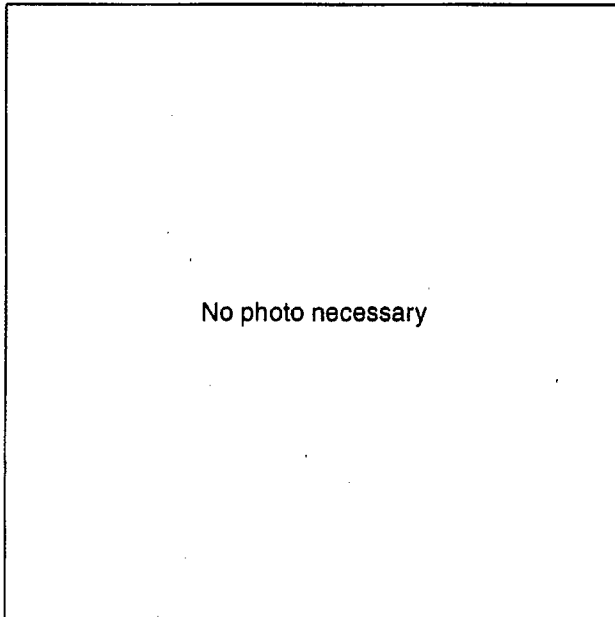
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 012

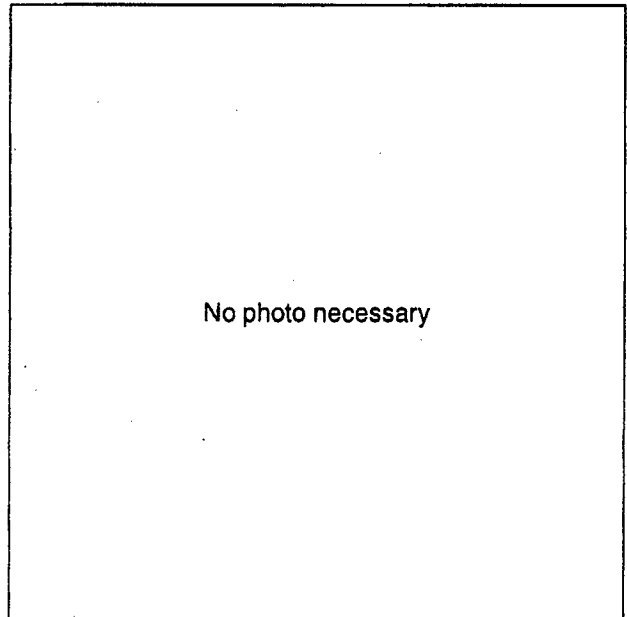
Location: Bldg. RB Floor El. 252 Room, Area<sup>1</sup> NORTHWEST AREA OF ROOM - WEST OF CRD HYD CONTROL UNITS

SWEL Components: SWEL1- 002, 033, 050, 096, 097



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 013

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> REACTOR BUILDING (SOUTH SIDE), COL  
LINES 12Y TO 11Z AND M TO HZ, ELEV  
252'-6" DWG REF G191148 SHT 1

SWEL Components: SWEL1 - 001, 003, 004, 033**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 013**

Location: Bldg. RB Floor El. 252' Room, Area REACTOR BUILDING (SOUTH SIDE), COL  
LINES 12Y TO 11Z AND M TO HZ, ELEV  
252'-6" DWG REF G191148 SHT 1

**SWEL Components: SWEL1 - 001, 003, 004, 033**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*See comment to question # 7.*
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*A Gantry Crane located near the South wall and East of PCV-3-32B is not tied but secured per procedure AP-0019.*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 013

Location: Bldg. RB Floor El. 252' Room, Area' REACTOR BUILDING (SOUTH SIDE). COL LINES 12Y TO 11Z AND M TO HZ, ELEV 252'-6" DWG REF G191148 SHT 1

**SWEL Components:** SWEL1 - 001, 003, 004, 033

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh K Parikh 10/18/2012 Date: 10/04/2012

Randy Stephens Randy Stephens 10/18/2012 10/04/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

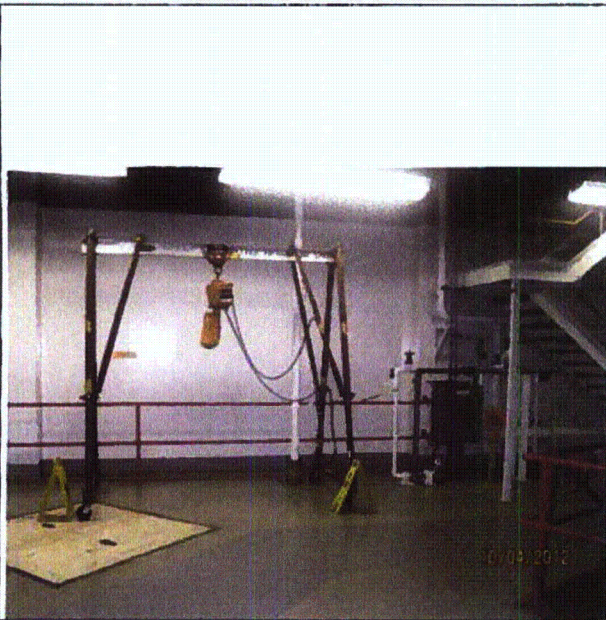
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Area Walk-By Checklist (AWC) AWC- 013

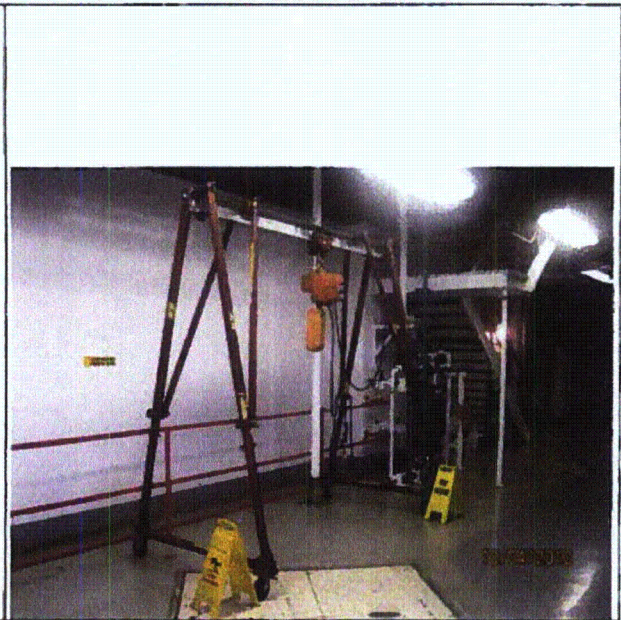
Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> REACTOR BUILDING (SOUTH SIDE), COL LINES 12Y TO 11Z AND M TO HZ, ELEV 252'-6" DWG REF G191148 SHT 1

SWEL Components: SWEL1 - 001, 003, 004, 033

**Photographs**



**Note:** Gantry Crane near South wall.



**Note:** Gantry Crane near South wall.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

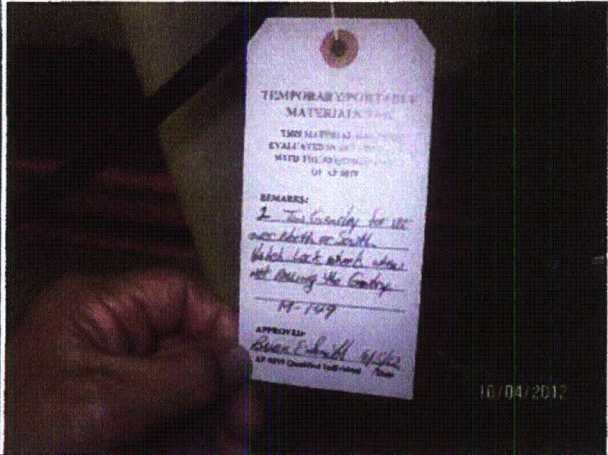
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 013

Location: Bldg. RB Floor El. 252' Room, Area' REACTOR BUILDING (SOUTH SIDE), COL LINES 12Y TO 11Z AND M TO HZ, ELEV 252'-6" DWG REF G191148 SHT 1

SWEL Components: SWEL1 - 001, 003, 004, 033

	<p style="text-align: center;">NO PHOTO</p>
<p><b>Note:</b> Temporary Portable Material Tag attached to Gantry Crane.</p>	<p><b>Note:</b></p>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 014**Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> HPCI ROOM, FL ELEV 213'-9" REF DWGG191148**SWEL Components: SWEL1 - 027,028,068,094,095****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC-014**Location: Bldg. RB Floor El. 213' Room, Area' HPCI ROOM, FL ELEV 213'-9" REF DWGG191148**SWEL Components: SWEL1 - 027,028,068,094,095**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*The light fixtures have low mass and good anchorage features and therefore have no concern.*
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Oily rags container securely tied off about 5' from the pump. No impact*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 014

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> HPCI ROOM, FL ELEV 213'-9" REF DWGG191148

**SWEL Components:** SWEL1 - 027,028,068,094,095

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

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

Evaluated by: Kirit Parikh *K Parikh* 10/18/2012 Date: 10-09-2012

Randy Stephens *Randy Stephens* 10/18/2012 10-09-2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC-014**

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> HPCI ROOM, FL ELEV 213'-9" REF DWGG191148

**SWEL Components: SWEL1 - 027,028,068,094,095**

**Photographs**

No photo necessary

**Note:**

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No photo necessary

**Note:**

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**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 014

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> HPCI ROOM, FL ELEV 213'-9" REF DWGG191148

SWEL Components: SWEL1 - 027,028,068,094,095

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 015

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> N.E CORNER, ELEV 252'-6", COL LINE 12 Y  
TO AZ=0 AND AZ=270 DEGREE,  
DWG REF G 191148 SHT 1

**SWEL Components:** SWEL1- 020**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 015

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> N.E CORNER, ELEV 252'-6". COLL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE, DWG REF G 191148 SHT 1

SWEL Components: SWEL1- 020

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*24' ladder is hanging on the wall 12' from the MCC 9D. Is secured at an angle and hanged as per industry practice. No seismic impact*

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 015

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> N.E CORNER, ELEV 252'-6". COL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE, DWG REF G 191148 SHT 1

SWEL Components: SWEL1- 020

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh K Parikh 10/18/2012 Date: 10-09-2012

Randy Stephens Randy Stephens 10/18/2012 10-09-2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

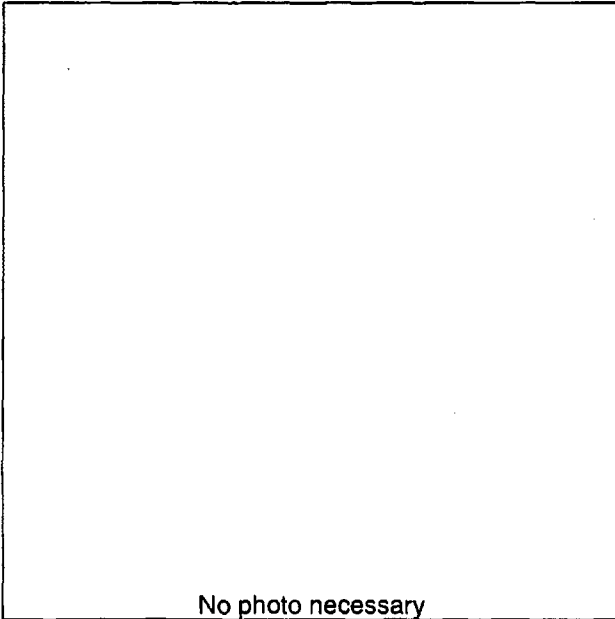
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 015

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> N.E CORNER, ELEV 252'-6", COL LINE 12 Y TO AZ=0 AND AZ=270 DEGREE.  
DWG REF G 191148 SHT 1

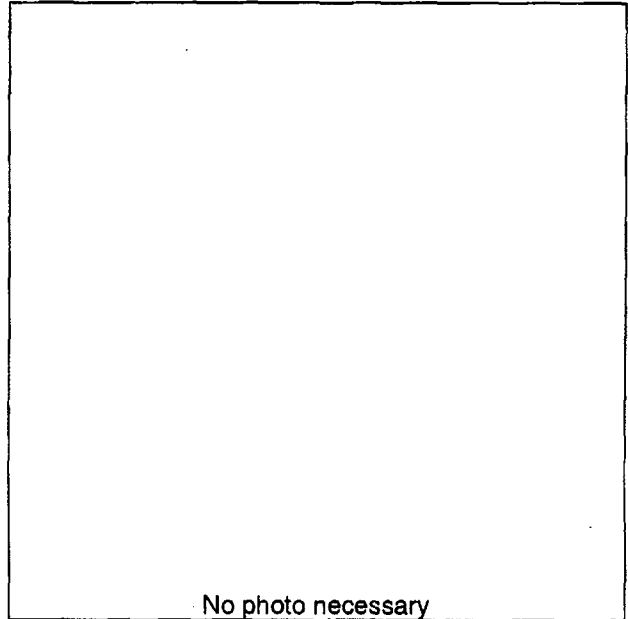
SWEL Components: SWEL1- 020

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 015

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> N.E CORNER, ELEV 252'-6", COL LINE 12 Y  
TO AZ=0 AND AZ=270 DEGREE,  
DWG REF G 191148 SHT 1

SWEL Components: SWEL1- 020

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 016Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHEAST QUADRANT OF ROOMSWEL Components: SWEL1- 036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A   
*See comment #1*
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 016Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHEAST QUADRANT OF ROOM**SWEL Components:** SWEL1- 036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 016


Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHEAST QUADRANT OF ROOM

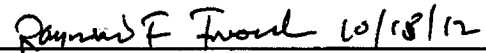
SWEL Components: SWEL1- 036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*See comment #2*

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

1. Railing located in front of RK25-6A/B has a metal plate welded to each leg for connection to the floor; each plate has 2 bolted connections. One of the nuts is loose however the remaining nuts are sufficient to hold the railing-no seismic issue by engineering judgment.
2. Scaffolding support column attached to railing (near RK25-6A/B) no seismic issue by engineering judgement. One of the bolted connection had a missing nut however there is no seismic issue by engineering judgement.

Evaluated by: Marcus Hecht-Nielsen  Date: 10-9-12

Raymond Tworek  Date: 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 016

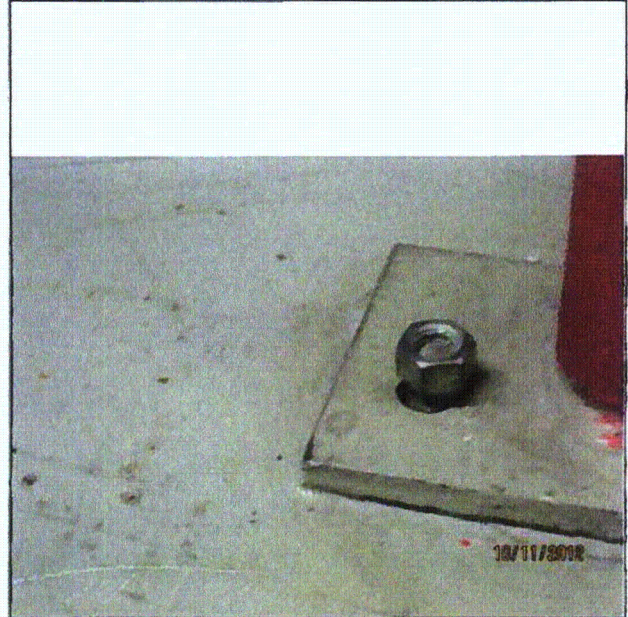
Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHEAST QUADRANT OF ROOM

SWEL Components: SWEL1- 036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099

**Photographs**



**Note:** Railing in front of RK25-6A/B



**Note:** Detail showing loose bolt on plate

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

Status: Y  N  U

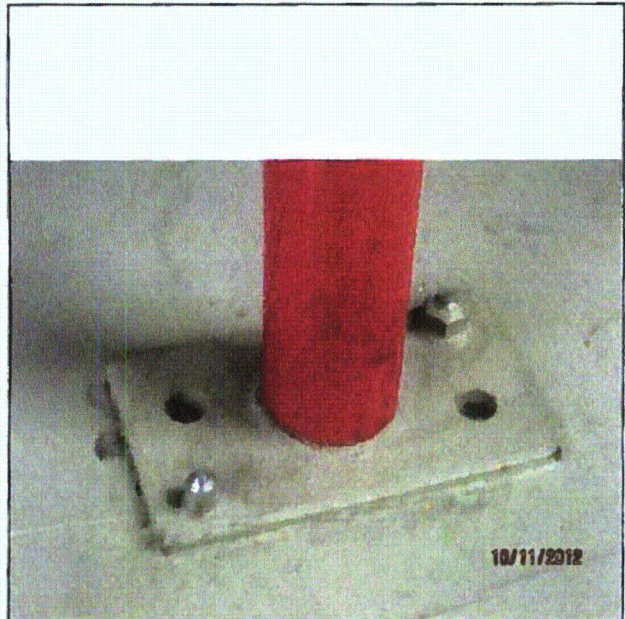
Area Walk-By Checklist (AWC) AWC- 016

Location: Bldg. RB Floor El. 280 Room, Area' NORTHEAST QUADRANT OF ROOM

SWEL Components: SWEL1- 036, 037, 038, 039, 040, 042, 043, 044, 045, 046, 047, 048, 049, 098, 099



**Note:** Railing near RK25-6A/B



**Note:** Detail showing missing nut

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 017Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> West SWGR (NW Corner)SWEL Components: SWEL1- 025**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*See comment.*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 017

Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> West SWGR (NW Corner)

SWEL Components: SWEL1- 025

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 017


Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> West SWGR (NW Corner)

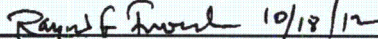
**SWEL Components:** SWEL1- 025

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

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

*Noted VR-1 S1 appeared to be missing some anchor fasteners. No seismic issue since cabinet has low mass and remaining bolts are sufficient to hold the cabinet in place.*

Evaluated by: Marcus Hecht-Nielsen  Date: 10-9-12

Raymond Tworek  10/18/12 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 017

Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> West SWGR (NW Corner)

SWEL Components: SWEL1- 025

**Photographs**



**Note:** *View of VR-1 S1*



**Note:** *View of VR-1 S1*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

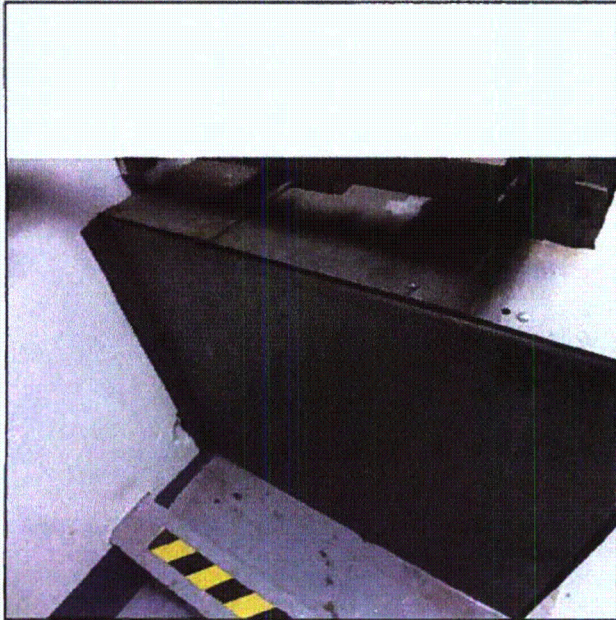
Sheet 5 of 5

Status: Y  N  U

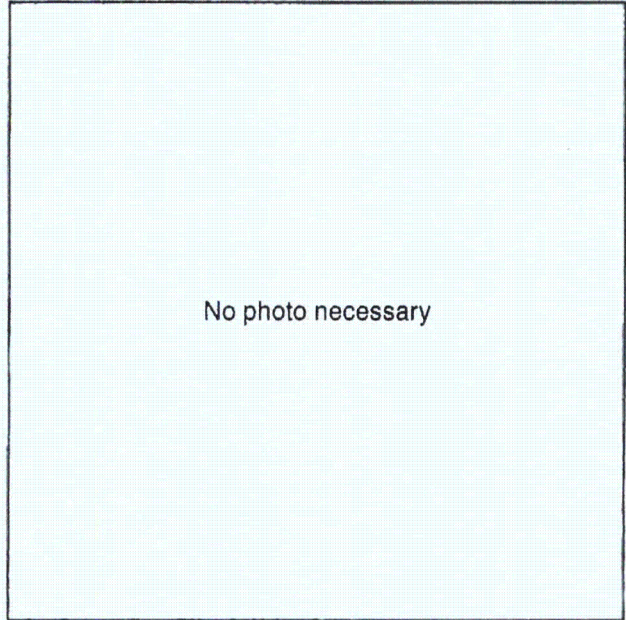
Area Walk-By Checklist (AWC) AWC- 017

Location: Bldg. CB Floor El. 248 Room, Area' West SWGR (NW Corner)

SWEL Components: SWEL1- 025



**Note:** View of VR-1 S1



**Note:**



**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 018Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> SOUTHWEST QUADRANT OF ROOMSWEL Components: SWEL1- 012, 021**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 018**

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> SOUTHWEST QUADRANT OF ROOM

**SWEL Components: SWEL1- 012, 021**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 018

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> SOUTHWEST QUADRANT OF ROOM

SWEL Components: SWEL1- 012, 021

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

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

*Portable platform has blue tag stating seismic performance per AP0019 - Okay.*

Evaluated by: Marcus Hecht-Nielsen  Date: 10/18/2012 10-9-12

Raymond Tworek  10/18/12 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

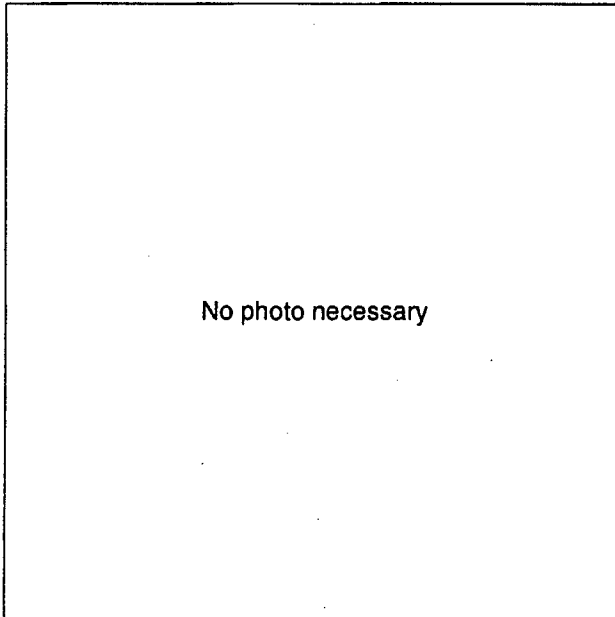
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 018

Location: Bldg: RB Floor El. 280 Room, Area' SOUTHWEST QUADRANT OF ROOM

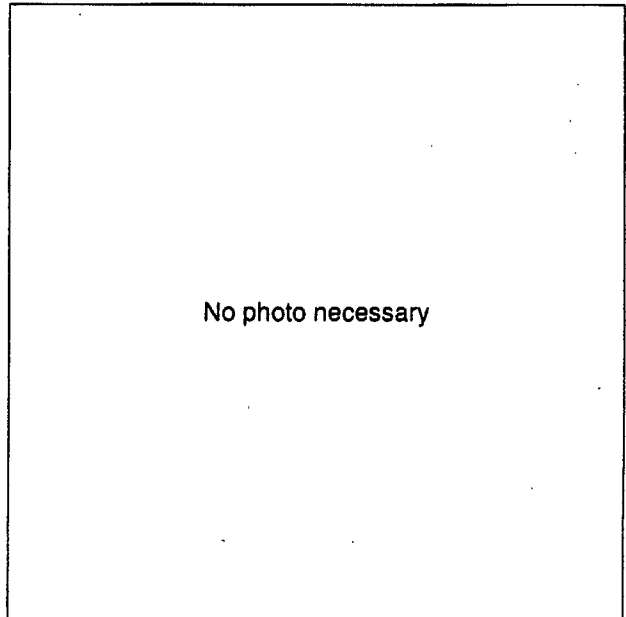
SWEL Components: SWEL1- 012, 021

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 018

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> SOUTHWEST QUADRANT OF ROOM

**SWEL Components:** SWEL1- 012, 021

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 019Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHWEST QUADRANT OF ROOMSWEL Components: SWEL1- 022**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 019

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHWEST QUADRANT OF ROOM

**SWEL Components:** SWEL1- 022

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 019

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHWEST QUADRANT OF ROOM

**SWEL Components:** SWEL1- 022

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

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

Evaluated by: Marcus Hecht-Nielsen 10/18/2012 Date: 10-9-12

Raymond Tworek Raymond Pouch 10/18/12 10-9-12



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

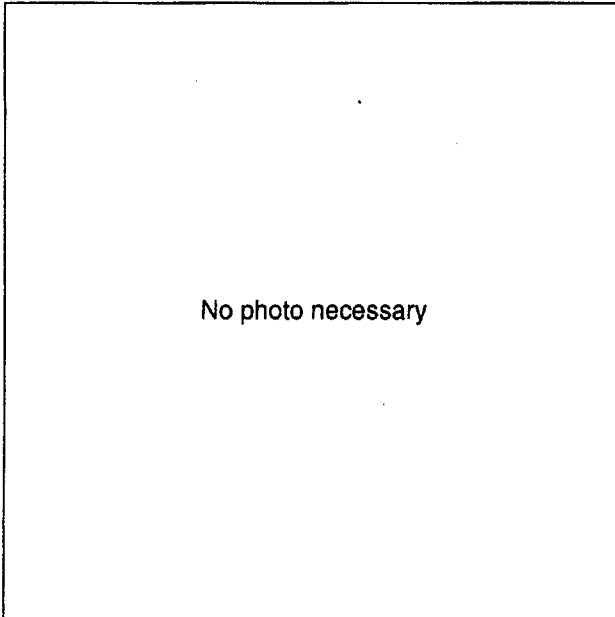
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 019

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHWEST QUADRANT OF ROOM

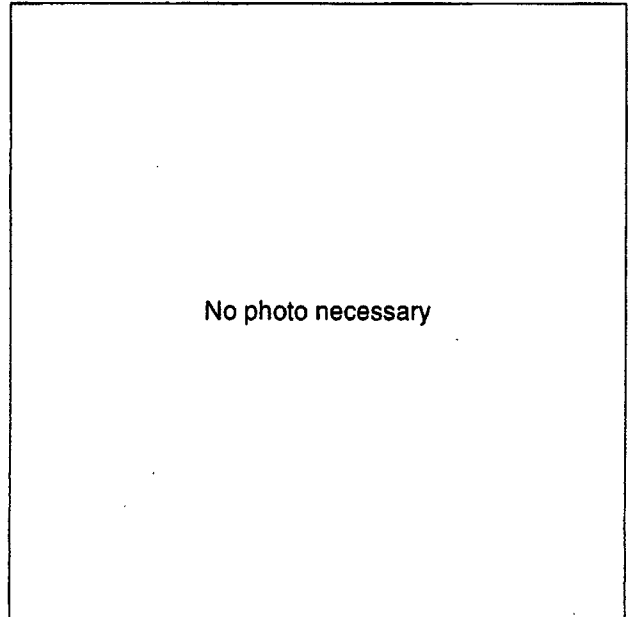
SWEL Components: SWEL1- 022

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 019

Location: Bldg. RB Floor El. 280 Room, Area<sup>1</sup> NORTHWEST QUADRANT OF ROOM

**SWEL Components:** SWEL1- 022

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 020Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> EAST SWGR (NE Corner)SWEL Components: SWEL1- 023, 101**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 020**Location: Bldg. CB Floor El. 248 Room, Area EAST SWGR (NE Corner)**SWEL Components: SWEL1- 023, 101**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Two - Four wheeled carts located near the 1KV BUS2; both are chained to column with wheels parallel to 1KV BUS2. - No seismic issue by engineering judgment.*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U


Area Walk-By Checklist (AWC) AWC- 020

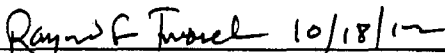
Location: Bldg. CB Floor El. 248 Room, Area' EAST SWGR (NE Corner)

SWEL Components: SWEL1- 023, 101

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

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

Evaluated by: Marcus Hecht-Nielsen  10/18/2012 Date: 10-9-12

Raymond Tworek  10/18/12 10-9-12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

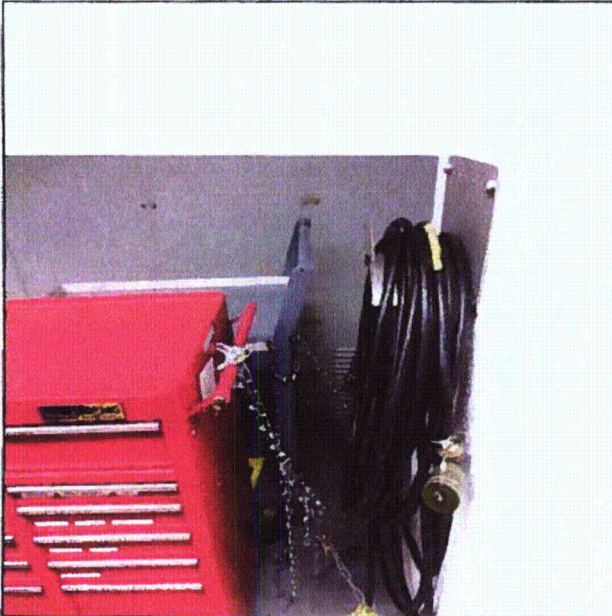
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Area Walk-By Checklist (AWC) AWC- 020

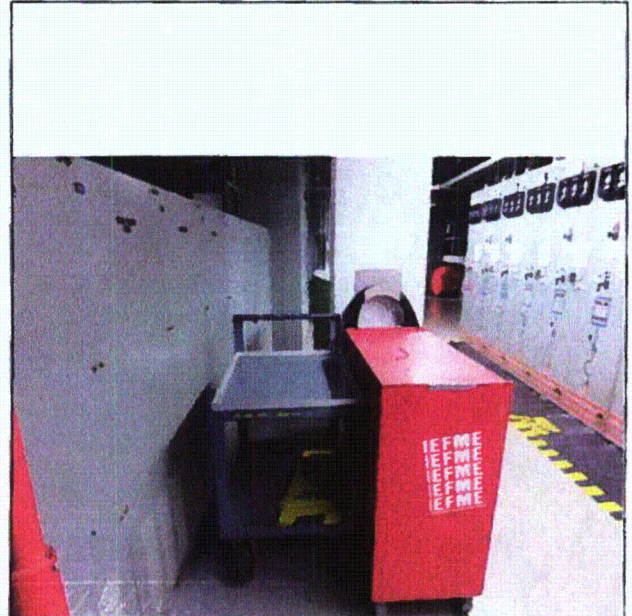
Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> EAST SWGR (NE Corner)

SWEL Components: SWEL1- 023, 101

Photographs



**Note:** Both wheeled carts chained to column.



**Note:** View of proximity to 1KV BUS2.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 020**

Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> EAST SWGR (NE Corner)

**SWEL Components: SWEL1- 023, 101**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 021Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 14z, WEST OF COLUMN HySWEL Components: SWEL1- 016**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 021

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 14z, WEST OF COLUMN Hy

SWEL Components: SWEL1- 016

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 021

Location: Bldg. CB Floor El. 262 Room, Area <sup>1</sup> NORTH OF COLUMN 14z, WEST OF COLUMN Hv

SWEL Components: SWEL1- 016

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

Comments (Additional pages may be added as necessary)

Evaluated by: Marcus Hecht-Nielsen  10/18/2012 Date: 10-9-12

Raymond Tworek Raymond P Tworek 10/18/12 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 021

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 14z, WEST OF COLUMN Hy

**SWEL Components:** SWEL1- 016

**Photographs**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

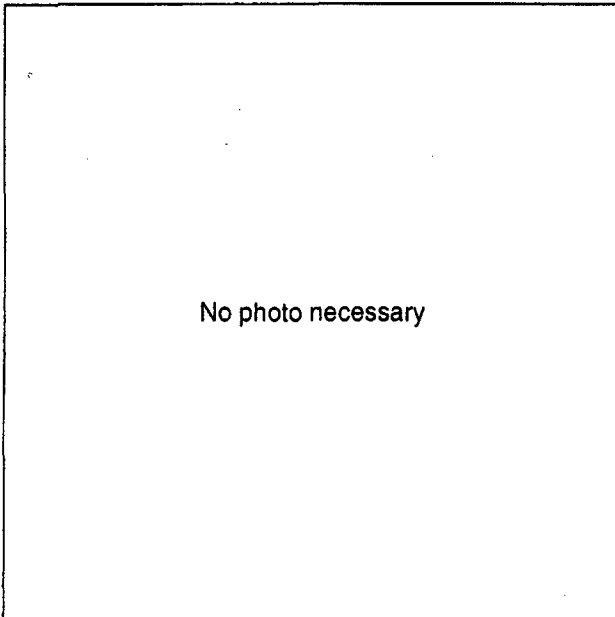
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 021

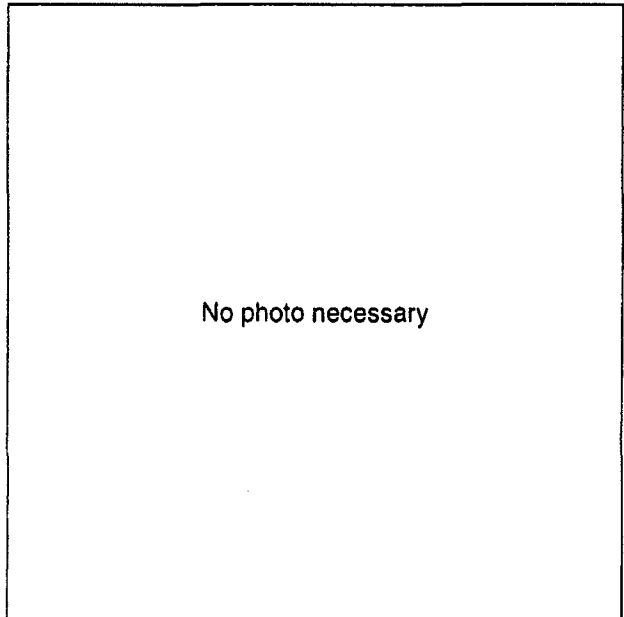
Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 14z, WEST OF COLUMN Hy

SWEL Components: SWEL1- 016



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 022Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 13y, EAST OF COLUMN HySWEL Components: SWEL1- 017**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 022

Location: Bldg. CB Floor El. 262 Room, Area' NORTH OF COLUMN 13y, EAST OF COLUMN Hy

SWEL Components: SWEL1- 017

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 022

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 13y, EAST OF COLUMN Hy

**SWEL Components:** SWEL1- 017

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

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

*Access panel to B638 DII has 2 screws missing, see CR-VTY-2012-05126 - no seismic issue by engineering judgement (see photos).*

Evaluated by: Marcus Hecht-Nielsen  10/18/2012 Date: 10-9-12

Raymond Tworek  10/18/2012 10-9-12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

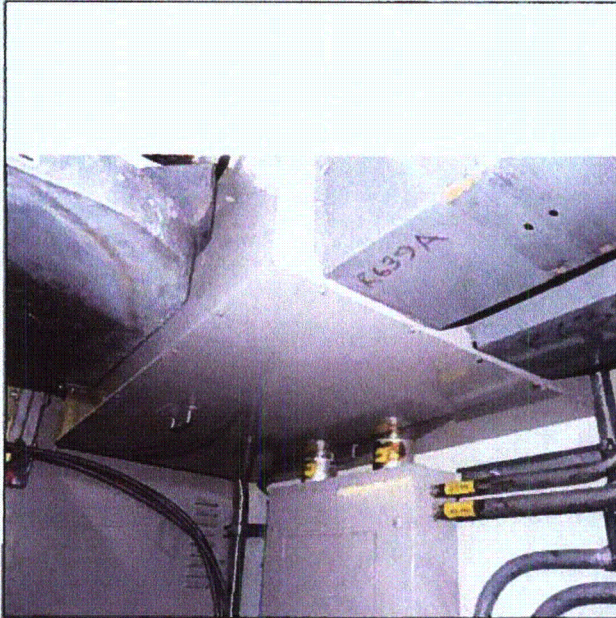
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 022

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 13y, EAST OF COLUMN Hy

SWEL Components: SWEL1- 017

Photographs



**Note:** View of access panel to B638 DII.



**Note:** Detail view showing 2 missing screws on access panel.



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

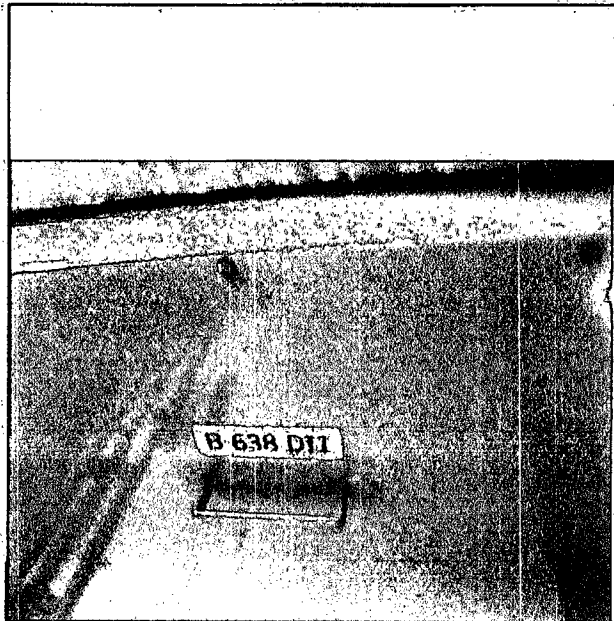
Sheet 5 of 5

Status: Y  N  U

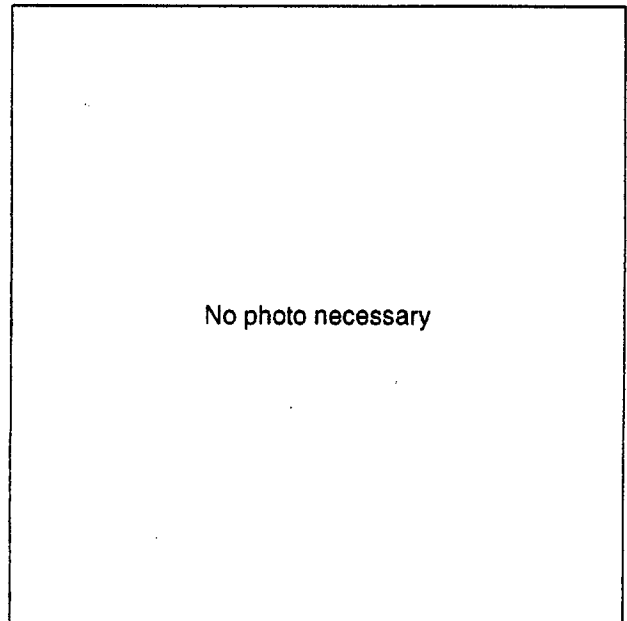
**Area Walk-By Checklist (AWC) AWC- 022**

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> NORTH OF COLUMN 13y, EAST OF COLUMN Hy

**SWEL Components: SWEL1- 017**



**Note:** View showing label for access panel to B638 DII



No photo necessary

**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 023Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> BATTERY ROOMSWEL Components: SWEL1- 015**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 023Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> BATTERY ROOMSWEL Components: SWEL1- 015

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 023

Location: Bldg. CB Floor El. 262 Room, Area' BATTERY ROOM

SWEL Components: SWEL1- 015

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

Comments (Additional pages may be added as necessary)

Evaluated by: Marcus Hecht-Nielsen [Signature] 10/18/2012 Date: 10-9-12

Raymond Tworek Raymond Tworek 10/18/12 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

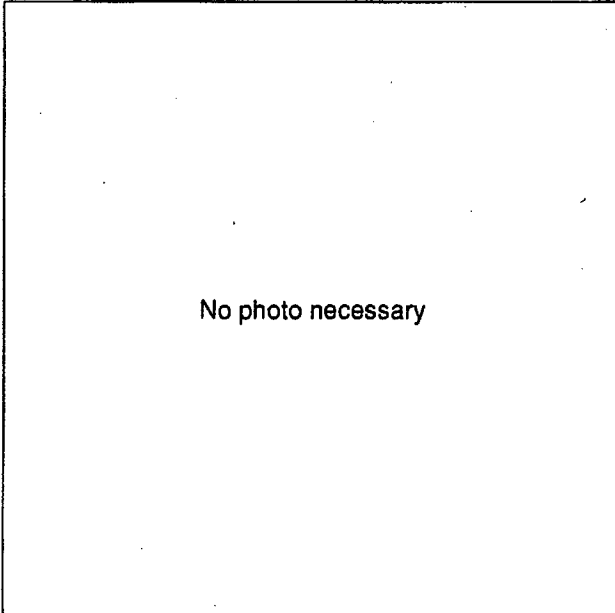
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 023

Location: Bldg. CB Floor El. 262 Room, Area<sup>1</sup> BATTERY ROOM

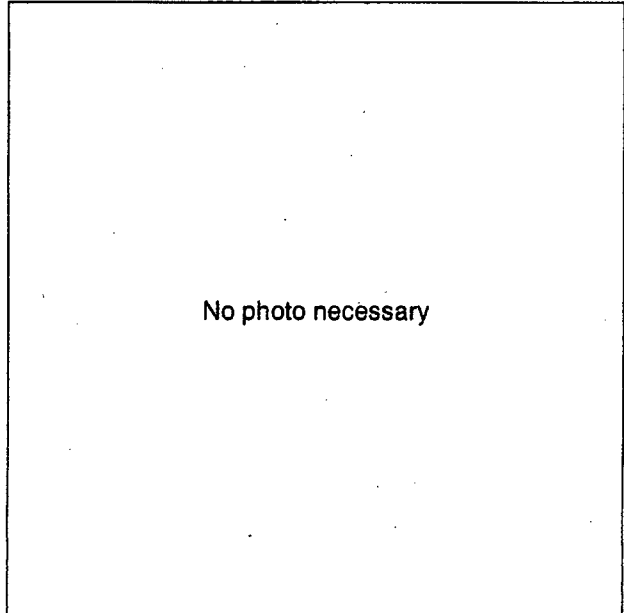
**SWEL Components:** SWEL1- 015

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 023

Location: Bldg. CB Floor El. 262 Room, Area' BATTERY ROOM

**SWEL Components:** SWEL1- 015

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 024Location: Bldg. CB Floor El. 248 Room, Area<sup>1</sup> SWITCHGEAR ROOM WEST-ENTIRE ROOMSWEL Components: SWEL1- 013, 024**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 024Location: Bldg. CB Floor El. 248 Room, Area' SWITCHGEAR ROOM WEST-ENTIRE ROOMSWEL Components: SWEL1- 013, 024

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Breaker truck front & rear wheels are turned 90 degrees to each other- no seismic interaction concern.*



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 024

Location: Bldg. CB Floor El. 248 Room, Area' SWITCHGEAR ROOM WEST-ENTIRE ROOM

SWEL Components: SWEL1- 013, 024

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*See comment*

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

*Wall mounted step ladder hanger, located in the NW corner, both support anchors starting to pullout of the masonry wall. The ladder in not located near any safety equipment and the hanger has sufficient strength to support the ladder, by engineering judgment no seismic issue.*

Evaluated by: Marcus Hecht-Nielsen ~~\_\_\_\_\_~~ 10/18/2012 Date: 10-9-12

Raymond Tworek Raymond Tworek 10/18/12 10-9-12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

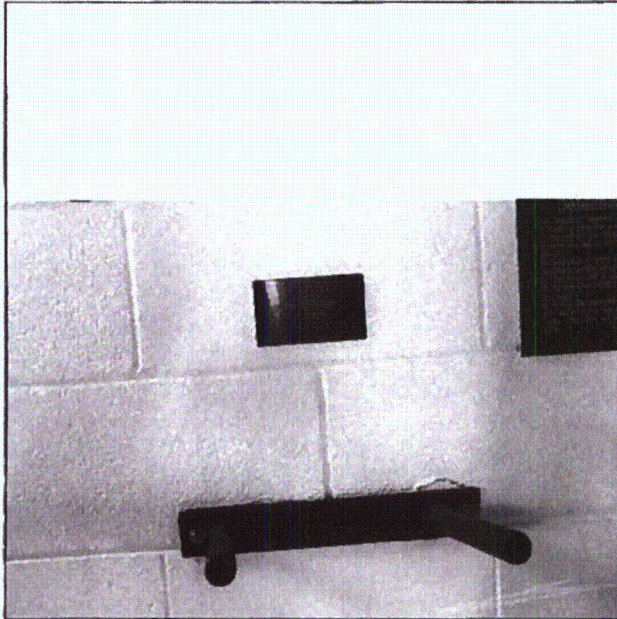
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 024

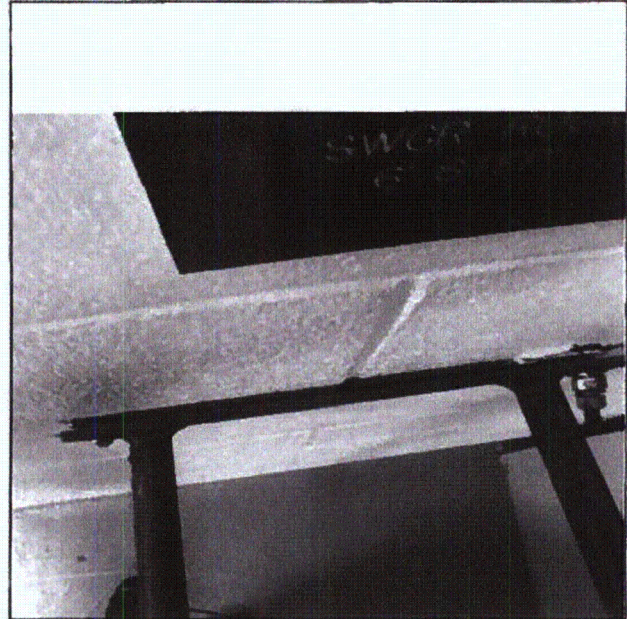
Location: Bldg. CB Floor El. 248 Room, Area SWITCHGEAR ROOM WEST-ENTIRE ROOM

**SWEL Components:** SWEL1- 013, 024

**Photographs**



**Note:** *View of Ladder hanger*



**Note:** *Ladder hanger detail*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

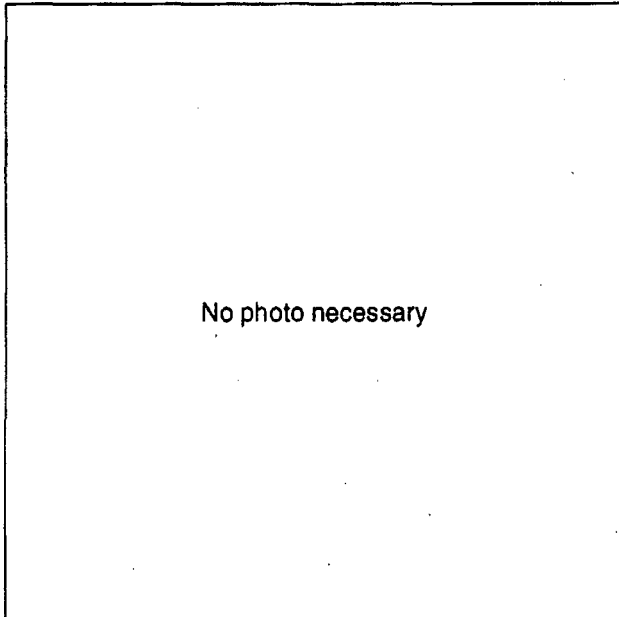
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 024

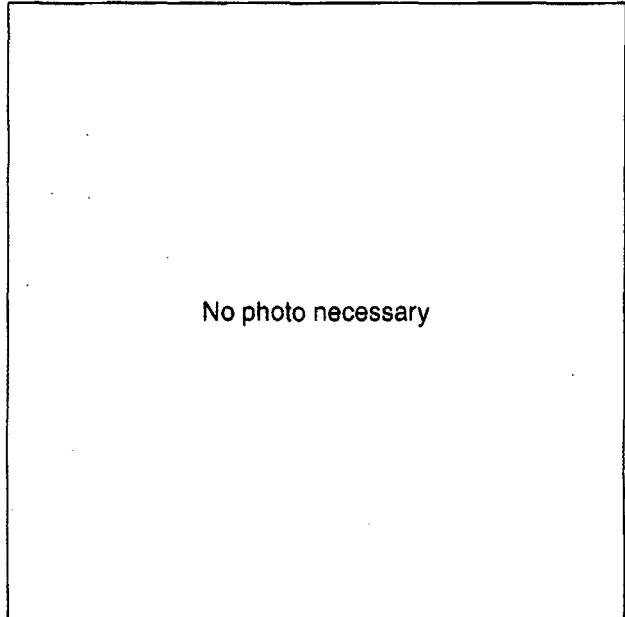
Location: Bldg. CB Floor El. 248 Room, Area' SWITCHGEAR ROOM WEST-ENTIRE ROOM

SWEL Components: SWEL1- 013, 024



No photo necessary

Note:



No photo necessary

Note:

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 025

Location: Bldg. RB Floor El. 303' Room, Area<sup>1</sup> NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2

SWEL Components: SWEL1- 056, 078, 080

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 025

Location: Bldg. RB Floor El. 303' Room, Area<sup>1</sup> NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2

SWEL Components: SWEL1- 056, 078, 080

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 025

Location: Bldg. RB Floor El. 303' Room, Area' NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2

SWEL Components: SWEL1- 056, 078, 080

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh K Parikh 10/18/2012 Date: 10/10/12

Randy Stephens Randy Stephens 10/18/2012 10/10/12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

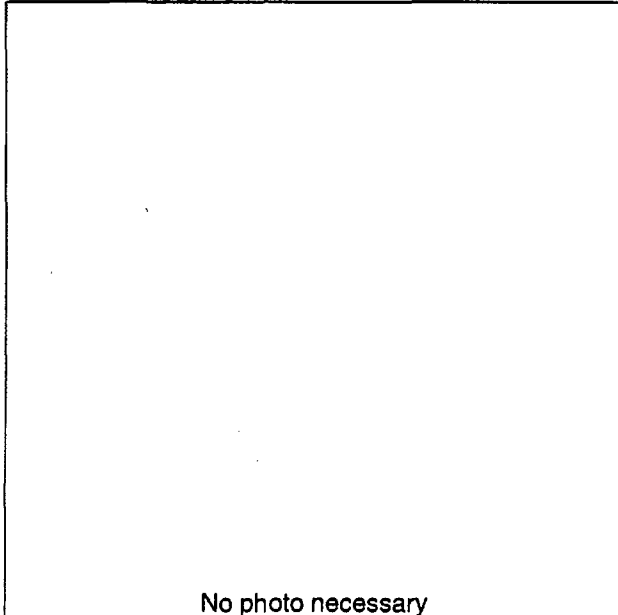
Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 025**

Location: Bldg. RB Floor El. 303' Room, Area<sup>1</sup> NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2

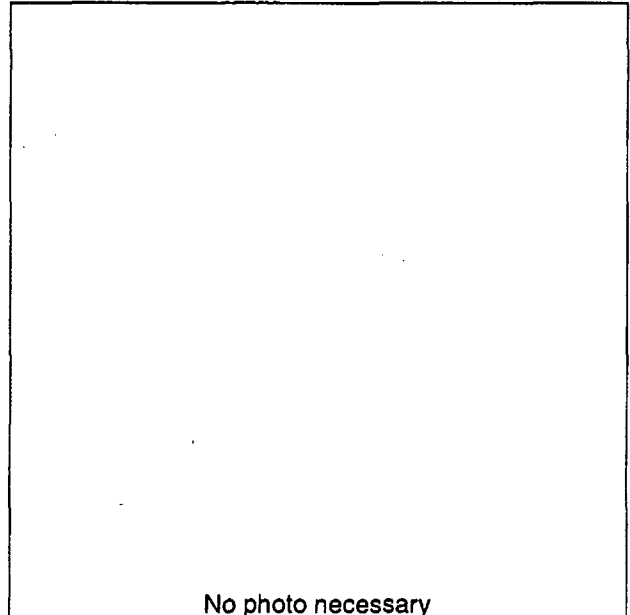
**SWEL Components: SWEL1- 056, 078, 080**

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 025

Location: Bldg. RB Floor El. 303' Room, Area<sup>1</sup> NORTH WEST, TK-55-1A, COL LINE HX TO 11Z, FL. ELEV 303, DWG REF G 19 1149 SHT 2

SWEL Components: SWEL1- 056, 078, 080

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>



**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 026Location: Bldg. RB Floor El. 246' Room, Area<sup>1</sup> TORUS CW, DWG REF G 191148 FL. ELEV 213'-9", NW CORNER, NEAR NORT WALLSWEL Components: SWEL1- 067**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 026**

Location: Bldg. RB Floor El. 246' Room, Area<sup>1</sup> TORUS CW,DWG REF G 191148 FL. ELEV 213'-9", NW CORNER, NEAR NORT WALL

**SWEL Components: SWEL1- 067**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 026

Location: Bldg. RB Floor El. 246' Room, Area<sup>1</sup> TORUS CW,DWG REF G 191148 FL, ELEV 213'-9", NW CORNER, NEAR NORT WALL

SWEL Components: SWEL1- 067

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh

K Parikh 10/18/2012

Date: 10/10/12

Randy Stephens

Randy Stephens 10/18/2012

10/10/12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

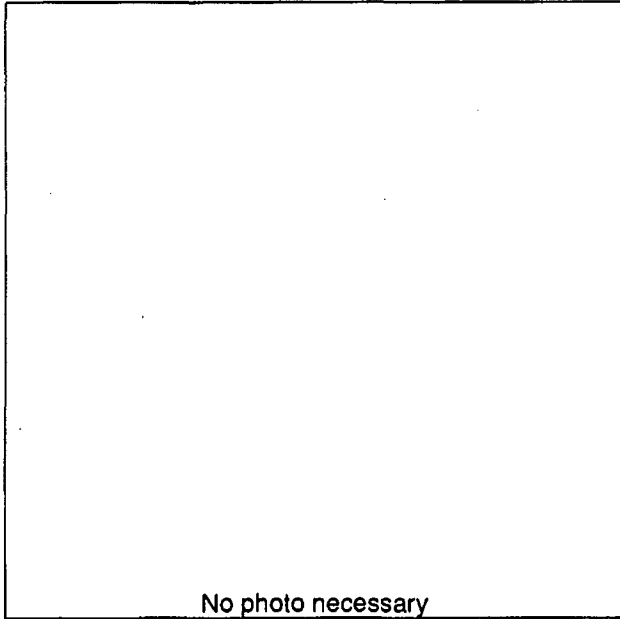
Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 026

Location: Bldg. RB Floor El. 246' Room, Area<sup>1</sup> TORUS CW,DWG REF G 191148 FL. ELEV 213'-9", NW CORNER, NEAR NORT WALL

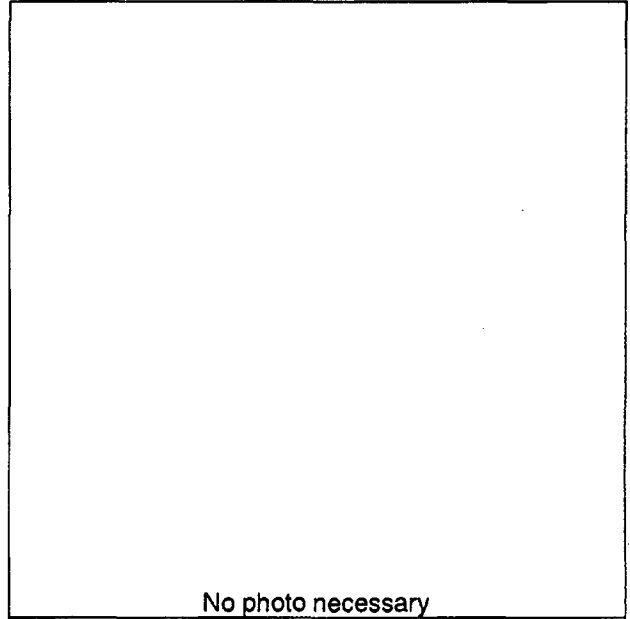
**SWEL Components:** SWEL1- 067

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 026

Location: Bldg. RB Floor El. 246' Room, Area<sup>1</sup> TORUS CW, DWG REF G 191148 FL. ELEV 213'-9", NW CORNER, NEAR NORT WALL

**SWEL Components:** SWEL1- 067

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 027

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> SOUTH OF COL LN 11x, NORTH OF COL LN 9y, WEST OF COL LN N, EAST OF COL LNL

SWEL Components: SWEL1- 018, SWEL2-001, 002, 003, 004, 005, 011, 006 *JAA 10/16/12* *N 10-25-12*

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

*\* ADDED SWEL 2-006* *Jibrew* *10/16/12*  
*[Signature]* *10-25-12*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 027

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> SOUTH OF COL LN 11x, NORTH OF COL LN 9y, WEST OF COL LN N, EAST OF COL LNL

SWEL Components: SWEL1- 018, SWEL2-001, 002, 003, 004, 005, 011, 006 *FOR 10/25/12 SEE SHEET 1*

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

*Leak test equipment - 2 wheeled carts (PCLRT-RIG1 & RIG2) are secured in place with a mechanical locked brake on one side-no seismic issue by engineering judgment (see photo).*

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 027

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> SOUTH OF COL LN 11x, NORTH OF COL LN 9y, WEST OF COL LN N, EAST OF COL LNL

SWEL Components: SWEL1- 018, SWEL2-001, 002, 003, 004, 005, 011, 006 *AA-10/11/12  
10-25-12  
SEE SHEET 1*

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

*RK-10A has ~6 inch gap to RK 10AA. RK-10A has small mass and is secured to concrete floor on frame RK-10 with 4 anchor bolts. The 4 bolts are anchored in concrete and are in good condition-no seismic issue with 6 inch gap by engineering judgement (see photos).*

Comments (Additional pages may be added as necessary)

Evaluated by: Marcus Hecht-Nielsen *[Signature]* 10/18/2012 Date: 10-10-12

Raymond Tworek *[Signature]* 10/18/12 10-10-12



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

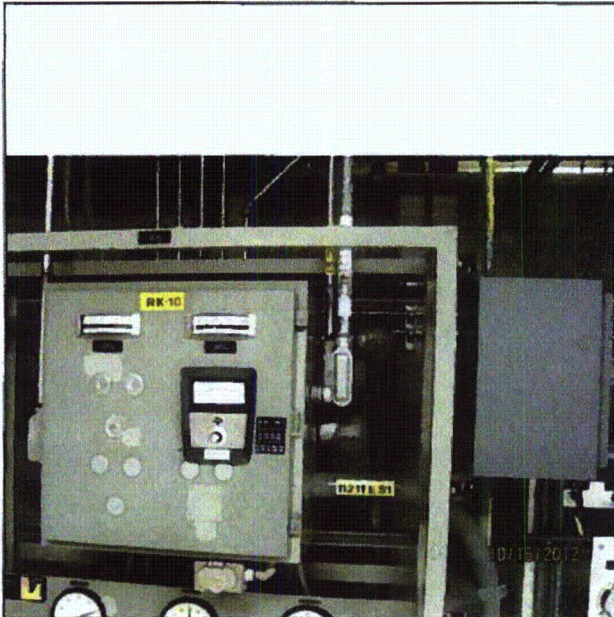
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC-027

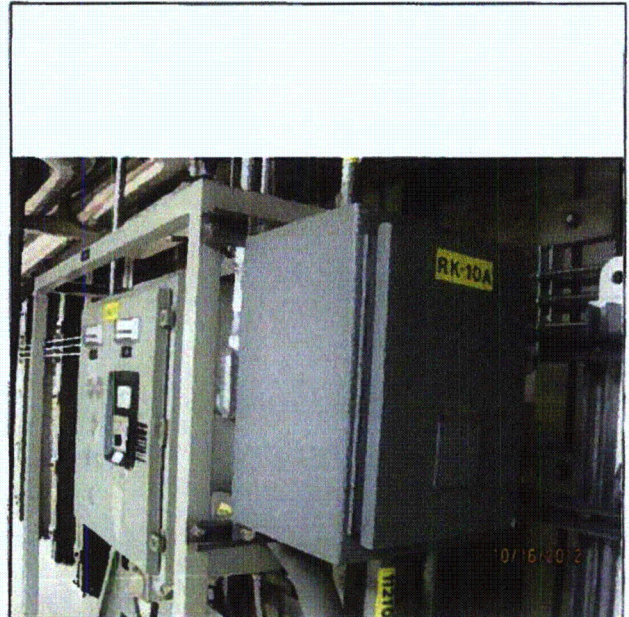
Location: Bldg. RB Floor El. 303 Room, Area' SOUTH OF COL LN 11x, NORTH OF COL LN 9y, WEST OF COL LN N, EAST OF COL LN L

SWEL Components: SWEL1- 018, SWEL2-001, 002, 003, 004, 005, 011, 006 *10/17/12*  
*10-25-12*  
*SEE SHEET 1*

Photographs



Note: View of RK-10



Note: View of RK-10A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

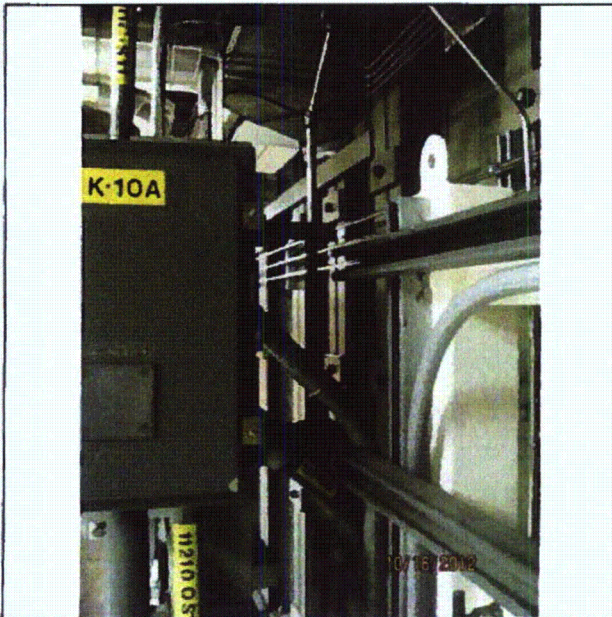
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC-027

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> SOUTH OF COL LN 11x, NORTH OF COL LN 9y, WEST OF COL LN N, EAST OF COL LN L

SWEL Components: SWEL1- 018. SWEL2-001, 002, 003, 004, 005, 011, 006 *JAA 10/16/12*  
*RV 10-25-12*

*SEE PAGE 2*



Note: RK-10A proximity to RK 10AA



Note: Two wheeled leak test equipment secured.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 028Location: Bldg. RB Floor El. 222' Room, Area<sup>1</sup> TORUS AREA, FL ELEV 213'-9", AZ = 180 DEGREE, COL LINE G WALLSWEL Components: SWEL1- 079**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 028

Location: Bldg. RB Floor El. 222' Room, Area<sup>1</sup> TORUS AREA, FL ELEV 213'-9", AZ = 180 DEGREE, COL LINE G WALL

SWEL Components: SWEL1- 079

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*Flood light is above the valve firmly secured. No seismic concern*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*Area is clean from any seismic issue.*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 028

Location: Bldg. RB Floor El. 222' Room, Area TORUS AREA, FL ELEV 213'-9", AZ = 180 DEGREE, COL LINE G WALL

SWEL Components: SWEL1- 079

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh

K Parikh 10/18/2012

Date: 10/11/2012

Randy Stephens

Randy Stephens 10/18/2012

10/11/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

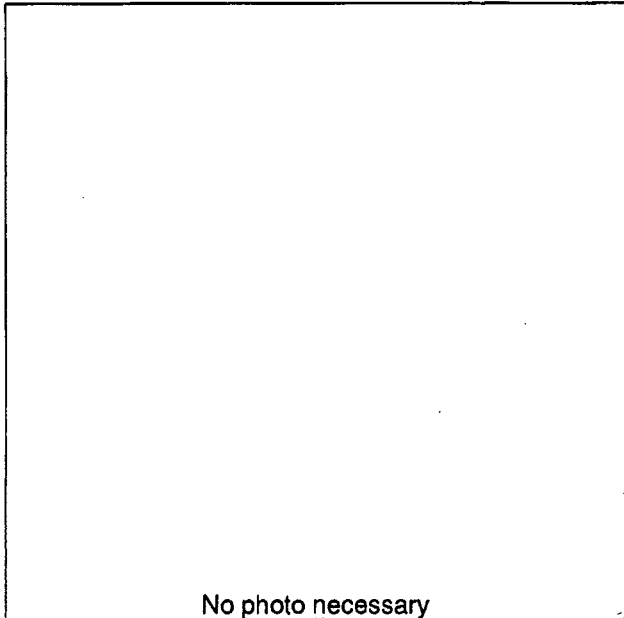
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 028

Location: Bldg. RB Floor El. 222' Room, Area TORUS AREA, FL ELEV 213'-9", AZ = 180 DEGREE, COL LINE G WALL

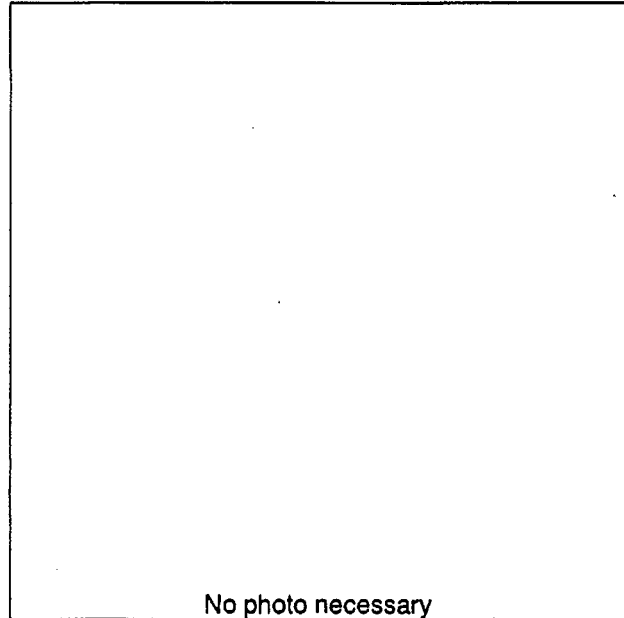
SWEL Components: SWEL1- 079

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

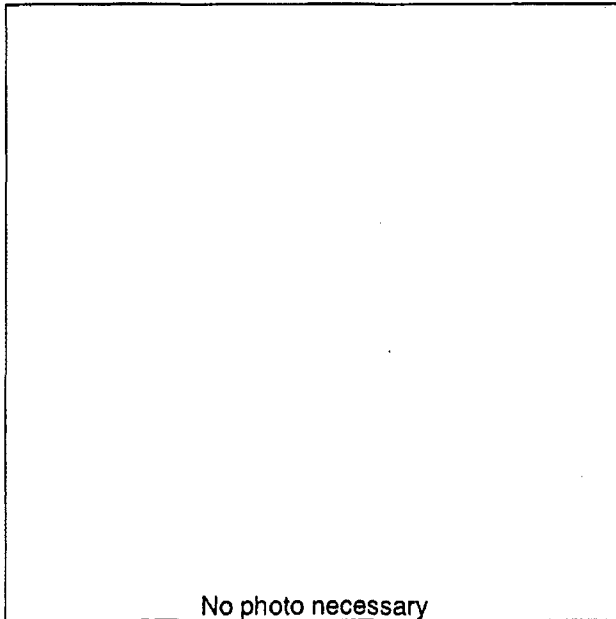
Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 028

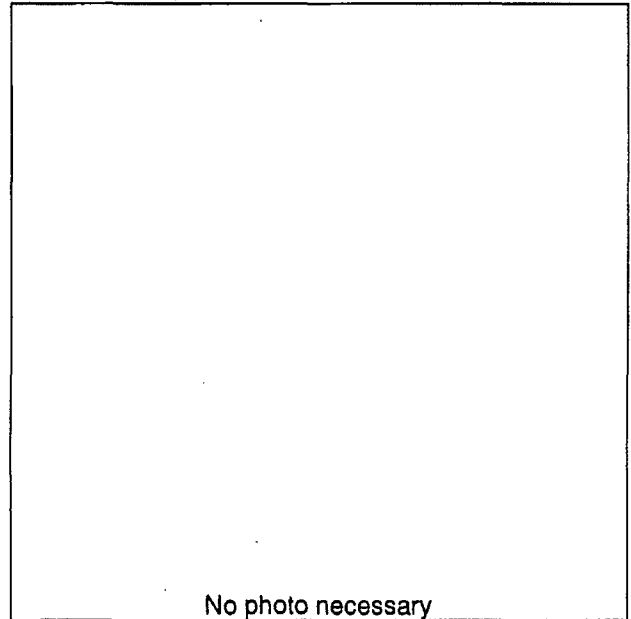
Location: Bldg. RB Floor El. 222' Room, Area TORUS AREA, FL ELEV 213'-9", AZ = 180 DEGREE, COL LINE G WALL

SWEL Components: SWEL1- 079



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 029

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> AZ= 270DEGREE, COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13, REF DWG. G191148 FL. ELEV. 252'-6"

**SWEL Components:** SWEL1- 102**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 029**

Location: Bldg. RB Floor El. 252' Room, Area AZ= 270DEGREE, COL LINE UPTO M TO HX. NEAR CRD CONTROL UNIT P3-13, REF DWG. G191148 FL. ELEV. 252'-6"

**SWEL Components: SWEL1- 102**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*A cylinder cart is very near to the existing nitrogen cylinder (about 6"). It is chained and securely fastened. Cart and the cap are very light weight. Seismically no impact*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A   
*See the comments in column 4*

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 029

Location: Bldg. RB Floor El. 252' Room, Area' AZ= 270DEGREE, COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13, REF DWG. G191148 FL. ELEV. 252'-6"

SWEL Components: SWEL1- 102

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*A junction box no b-666 cover has missing sheet metal screws. The cover is secured with 4 screws. The cover is very light so seismically no impact. See photo attached. Ref: CR-VTY-2012-05006*

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

*Cylinder carts will not damage the cylinders. CR-VTY-2012-05021*

Evaluated by: Kirit Parikh Parikh 10/18/2012 Date: 10/11/2012

Randy Stephens Randy Stephens 10/18/2012 10/11/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 029

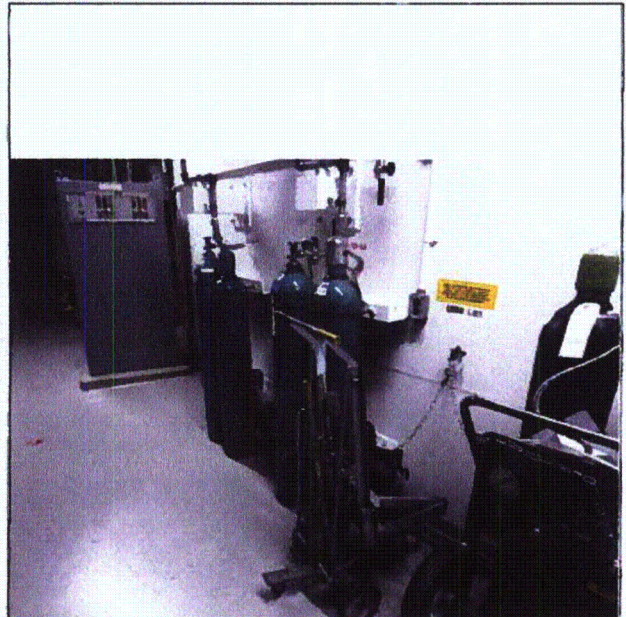
Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> AZ= 270DEGREE, COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13, REF DWG. G191148 FL. ELEV. 252'-6"

SWEL Components: SWEL1- 102

Photographs



**Note: : CARTS ARE SECURED AND ARE LIGHT WEIGHT. NO SEISMIC IMPACT**



**Note: : CARTS ARE SECURED AND ARE LIGHT WEIGHT. NO SEISMIC IMPACT**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

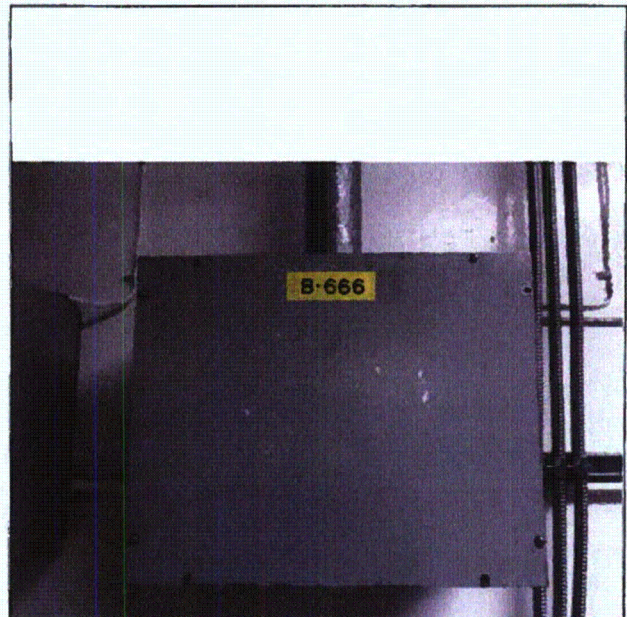
Area Walk-By Checklist (AWC) AWC- 029

Location: Bldg. RB Floor El. 252' Room, Area<sup>1</sup> AZ= 270DEGREE.COL LINE UPTO M TO HX, NEAR CRD CONTROL UNIT P3-13, REF DWG. G191148 FL. ELEV, 252'-6"

SWEL Components: SWEL1- 102



**Note:** CARTS ARE SECURED AND ARE LIGHT WEIGHT. NO SEISMIC IMPACT



**Note:** MISSING SCREWS. THE BOX IS ABOUT 6' AWAY FROM THE CYLINDER REF CR-VTY-2012-05021

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 030Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> NECR**SWEL Components:** SWEL1- 061,062**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

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**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

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Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 030Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> NECR**SWEL Components:** SWEL1- 061,062

---

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

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ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 030

Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> NECR

SWEL Components: SWEL1- 061.062

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh

K Parikh 10/18/2012

Date: 10/11/2012

Randy Stephens

Randy Stephens 10/18/2012

10/11/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 030

Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> NECR

SWEL Components: SWEL1- 061,062

**Photographs**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

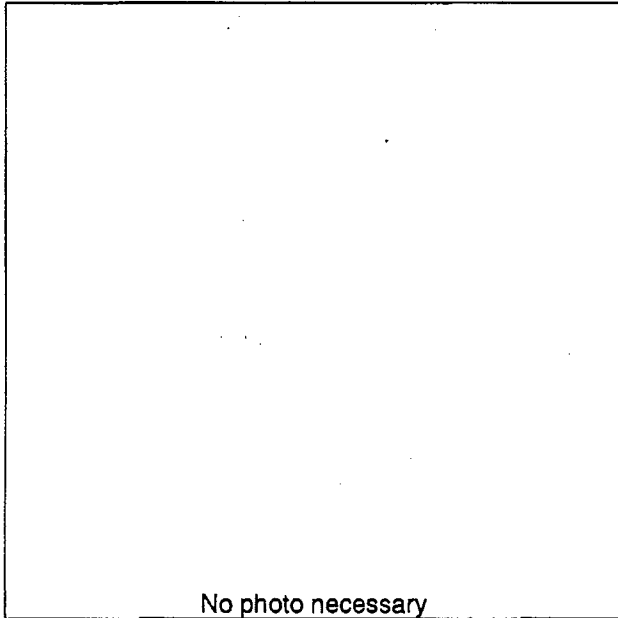
Sheet 5 of 5

Status: Y  N  U

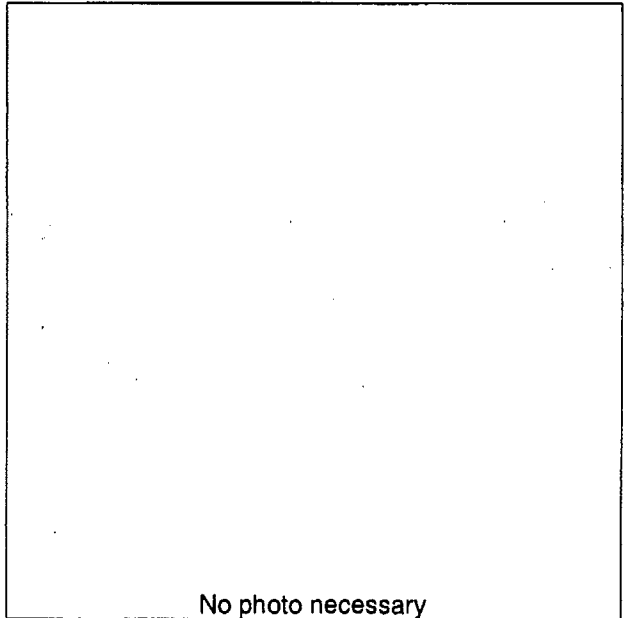
Area Walk-By Checklist (AWC) AWC- 030

Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> NECR

SWEL Components: SWEL1- 061,062



**Note:**



**Note:**

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 031Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> CONDENSATE STORAGE TANK, YARD AREASWEL Components: SWEL1- 026**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 031**

Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> CONDENSATE STORAGE TANK, YARD AREA

**SWEL Components: SWEL1- 026**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 031

Location: Bldg. YARD Floor El. 252' Room, Area CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL1- 026

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh / K Parikh 10/18/2012 Date: 10/02/2012

Randy Stephens / Randy Stephens 10/18/2012 10/02/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 031

Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL1- 026

**Photographs**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 031

Location: Bldg. YARD Floor El. 252' Room, Area<sup>1</sup> CONDENSATE STORAGE TANK, YARD AREA

SWEL Components: SWEL1- 026

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 032Location: Bldg. EDGR-B Floor El. 252' Room, Area' D.G ROOM-B, VENTILATION ROOM, TBSWEL Components: SWEL1- 069**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC- 032**Location: Bldg. EDGR-B Floor El. 252' Room, Area<sup>1</sup> D,G ROOM-B. VENTILATION ROOM, TB**SWEL Components: SWEL1- 069**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 032

Location: Bldg. EDGR-B Floor El. 252' Room, Area<sup>1</sup> D.G ROOM-B, VENTILATION ROOM, TB

SWEL Components: SWEL1- 069

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh / K Parikh 10/18/2012 Date: 10/03/2012

Randy Stephens / Randy Stephens 10/18/2012 10/03/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

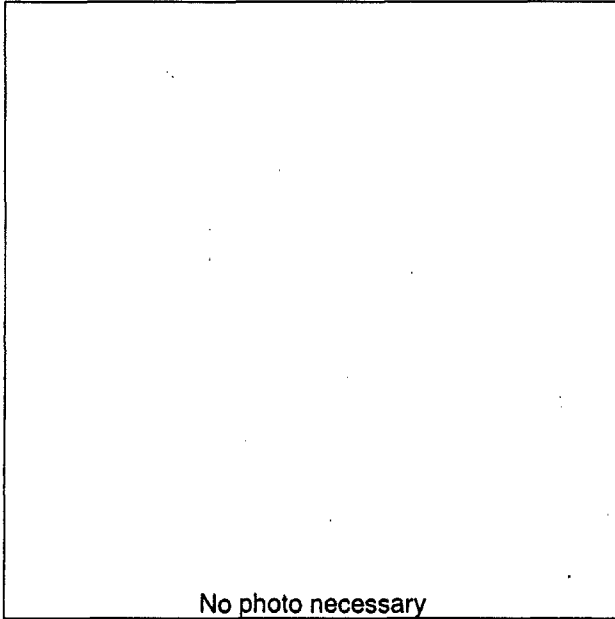
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 032

Location: Bldg. EDGR-B Floor El. 252' Room, Area<sup>1</sup> D.G ROOM-B, VENTILATION ROOM, TB

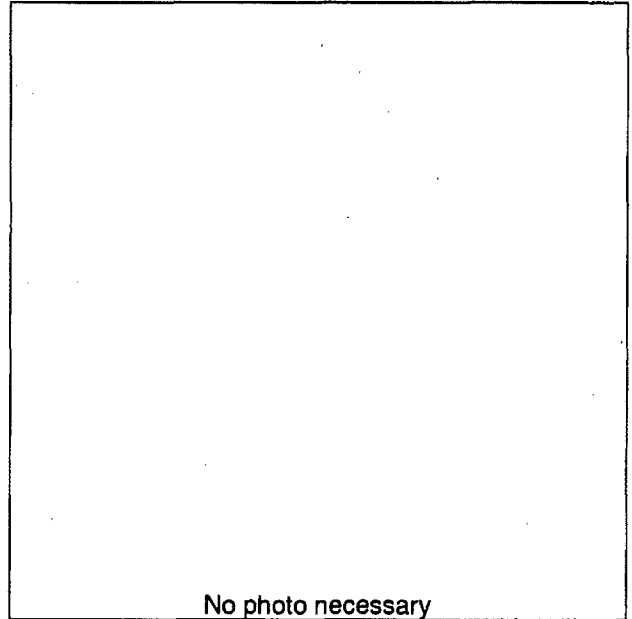
SWEL Components: SWEL1- 069

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 032

Location: Bldg. EDGR-B Floor El. 252' Room, Area<sup>1</sup> D.G ROOM-B, VENTILATION ROOM, TB

SWEL Components: SWEL1- 069

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 033Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> SECRSWEL Components: SWEL1- 032, 058**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 033

Location: Bldg. RB Floor El. 213' Room, Area' SECR

SWEL Components: SWEL1- 032, 058

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 033

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> SECR

SWEL Components: SWEL1- 032, 058

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh / Parikh 10/18/2012 Date: 10/11/2012

Randy Stephens / Randy Stephens 10/18/2012 10/11/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

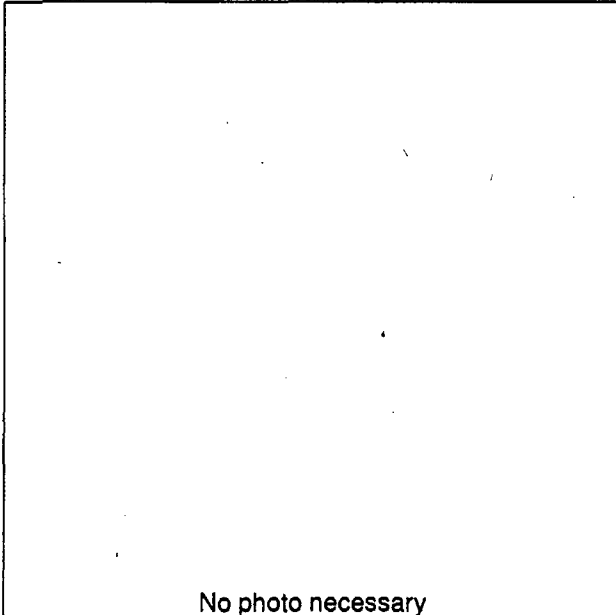
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 033

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> SECR

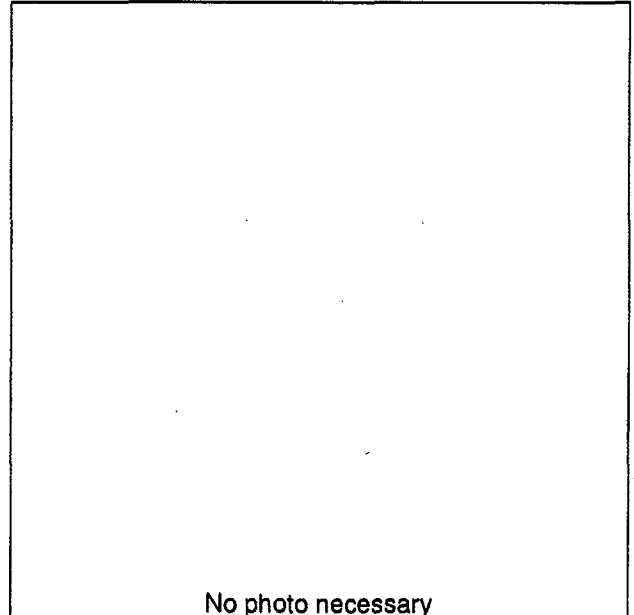
SWEL Components: SWEL1- 032, 058

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 033

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> SECR

SWEL Components: SWEL1- 032, 058

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 034

Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> SECR

SWEL Components: SWEL1- 059

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 034

Location: Bldg. RB Floor El. 232' Room, Area SECR

**SWEL Components:** SWEL1- 059

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 034

Location: Bldg. RB Floor El. 232' Room, Area' SECR

SWEL Components: SWEL1- 059

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh Parikh 10/18/2012 Date: 10/11/12

Randy Stephens Randy Stephens 10/18/2012 10/11/12

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 034

Location: Bldg. RB Floor El. 232' Room, Area' SECR

SWEL Components: SWEL1- 059

**Photographs**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 034

Location: Bldg. RB Floor El. 232' Room, Area<sup>1</sup> SECR

**SWEL Components:** SWEL1- 059

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

035Status: Y N UArea Walk-By Checklist (AWC) AWC- 035Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> NECRSWEL Components: SWEL1- 005**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y N U N/A
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y N U N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y N U N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 2 of 5

035Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 035Location: Bldg. RB Floor El. 213' Room, Area' NECRSWEL Components: SWEL1- 005

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

035Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 035

Location: Bldg. RB Floor El. 213' Room, Area NECR

SWEL Components: SWEL1- 005

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh *K Parikh* 10/18/2012 Date: 10/11/12

Randy Stephens *Randy Stephens* 10/18/2012 10/11/12



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

035Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 035

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> NECR

**SWEL Components:** SWEL1- 005

**Photographs**

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

035Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 035

Location: Bldg. RB Floor El. 213' Room, Area<sup>1</sup> NECR

**SWEL Components:** SWEL1- 005

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC)** AWC- 036Location: Bldg. CB Floor El. 272 Room, Area<sup>1</sup> NORTH HALF OF ROOM**SWEL Components:** SWEL1- 071, 072, 081**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*All anchorage which was visible and/or accessible was free of potentially adverse seismic conditions.*
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U Area Walk-By Checklist (AWC) AWC- 036Location: Bldg. CB Floor El. 272 Room, Area<sup>1</sup> NORTH HALF OF ROOMSWEL Components: SWEL1- 071, 072, 081

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 036

Location: Bldg. CB Floor El. 272 Room, Area<sup>1</sup> NORTH HALF OF ROOM


SWEL Components: SWEL1- 071, 072, 081

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U   
*See Comments*

Comments (Additional pages may be added as necessary)

1. Clock sitting on top of control room panel is bolted to cabinet and is considered okay by engineering judgment.
2. Four slotted screws are missing from access panels for cabinet CRP 9-46; the access panels are estimated to have low mass and will be retained by remaining screws and will not result in adverse seismic interaction by engineering judgment. See CR-VTY-2012-05097 for corrective action.

Evaluated by: Marcus Hecht-Nielsen  10/18/2012 Date: 10-15-12

Raymond Tworek  10/18/12 10-15-12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 036

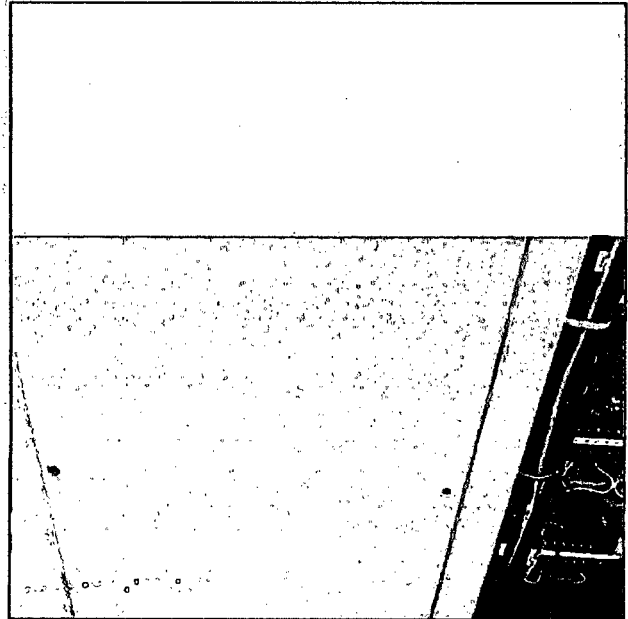
Location: Bldg. CB Floor El. 272 Room, Area' NORTH HALF OF ROOM

SWEL Components: SWEL1- 071, 072, 081

Photographs



**Note:** Two slotted screws missing from access panel for cabinet CRP 9-46 – North side of cabinet



**Note:** Two slotted screws missing from access panel for cabinet CRP 9-46 – South side of cabinet

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 036

Location: Bldg. CB Floor El. 272 Room, Area NORTH HALF OF ROOM

SWEL Components: SWEL1- 071, 072, 081

No Photo Necessary
<b>Note:</b>

No Photo Necessary
<b>Note:</b>

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 5

Status: Y  N  U **Area Walk-By Checklist (AWC) AWC-037**Location: Bldg. CR. Floor El. 262' Room, Area<sup>1</sup> CABLE VAULT ROOM**SWEL Components: SWEL1-092****Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.



**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC) AWC- 037**

Location: Bldg. CR. Floor El. 262' Room, Area<sup>1</sup> CABLE VAULT ROOM

**SWEL Components: SWEL1- 092**

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 037

Location: Bldg. CR. Floor El. 262' Room, Area CABLE VAULT ROOM

SWEL Components: SWEL1- 092

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

Comments (Additional pages may be added as necessary)

Evaluated by: Kirit Parikh *K Parikh* 10/18/2012 Date: 10/15/2012

Randy Stephens *Randy Stephens* 10/18/2012 10/15/2012

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 4 of 5

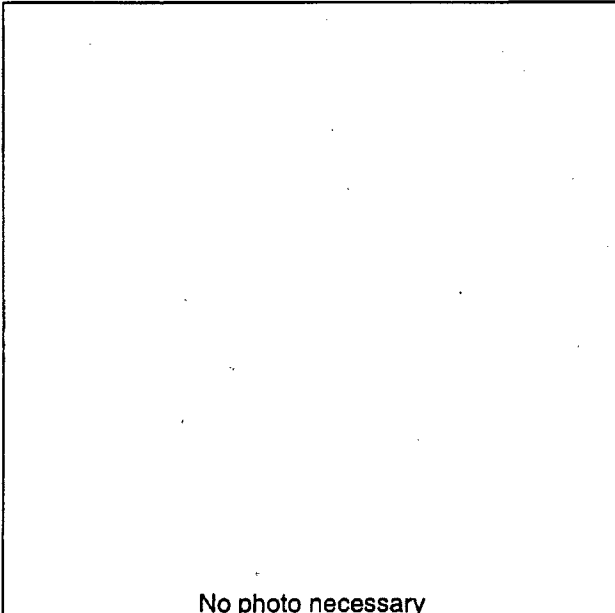
Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 037

Location: Bldg. CR Floor El. 262' Room, Area<sup>1</sup> CABLE VAULT ROOM

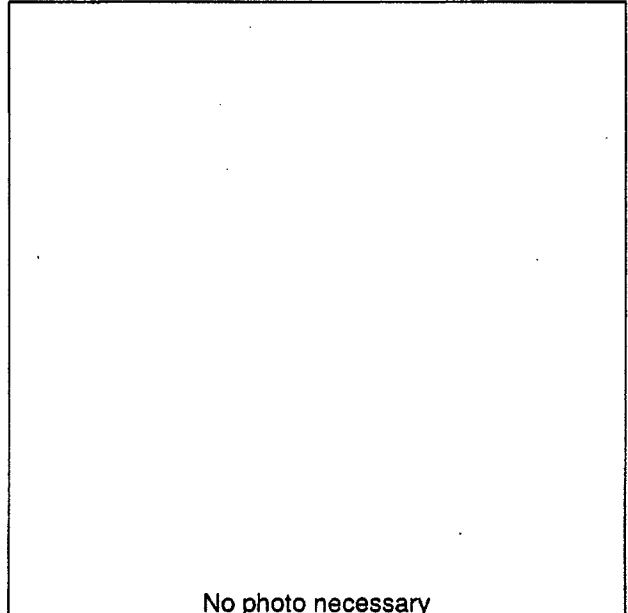
SWEL Components: SWEL1- 092

**Photographs**



No photo necessary

**Note:**



No photo necessary

**Note:**

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 5 of 5

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC- 037

Location: Bldg. CR. Floor El. 262' Room, Area<sup>1</sup> CABLE VAULT ROOM

**SWEL Components:** SWEL1- 092

No photo necessary
<b>Note:</b>

No photo necessary
<b>Note:</b>

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 1 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 038

Location: Bldg. CB Floor El. 272 Room, Area<sup>1</sup> SOUTH HALF OF ROOM  
SWEL Components: ~~SWEL 1-010~~ SWEL 070, 082, 083, 093 AND SWEL 2-010 *Jan 10/25/12*

Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A   
*All anchorage which was visible and/or accessible was free of potentially adverse seismic conditions.*

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A

*\* CHANGED SWEL 1-010 to SWEL 2-010*

*Jan 10/25/12*  
*[Signature]*  
*10-25-12*

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 038

Location: Bldg. CB Floor El. 272 Room, Area' SOUTH HALF OF ROOM

SWEL Components: SWEL1, 010, 070, 082, 083, 093 AND SWEL 2-D10 JJA 10/11/12  
10/25/12

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A   
*See comment #2*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Y  N  U  N/A

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 3 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 038

Location: Bldg. CB Floor El. 272 Room, Area' SOUTH HALF OF ROOM

SWEL Components: SWEL1- 010, 070, 082, 083, 093 AND SWEL 2- 010 JDA 10/25/12

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y  N  U  10/25/12  
See comment #1

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

- 1 - Two 4-drawer filing cabinets located in the southeast corner of the control room are not strapped down and are located roughly 1 inch from a temperature switch control panel. The estimated weight of each cabinet is 500 lbs, and the lateral seismic force on them is estimated to be 70 lbs. Therefore, using engineering judgment, it is unlikely that the filing cabinets can adversely affect the function of the switch control panel during a seismic event.
- 2. - Two metal storage cabinets, approximately 80" tall, are located in the southwest area of the control room. The cabinets are securely anchored with two 1/4" Hilti bolts and using 2" diameter flat washers, approximately 65" from floor level. The anchors for these storage cabinets were secured per Work Order Request #36074. The anchorage for the storage cabinets is seismically okay by engineering judgment.

Evaluated by: Marcus Hecht-Nielsen 10/18/2012 Date: 10-15-12

Raymond Tworek 10/18/12 10-15-12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 038

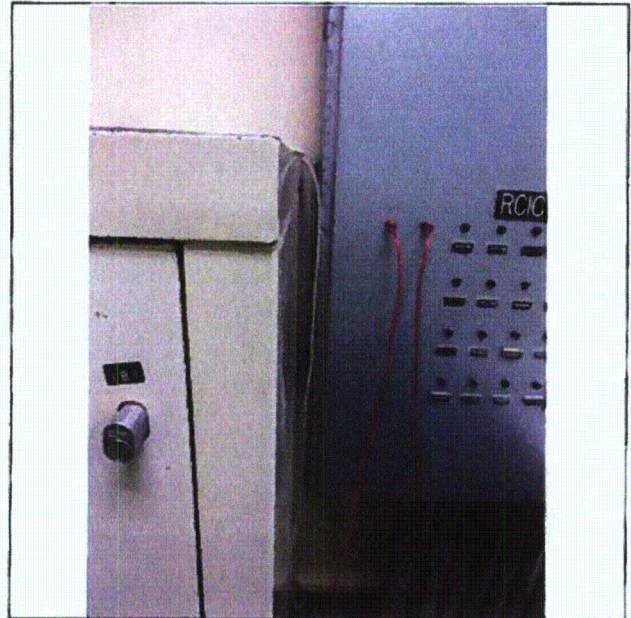
Location: Bldg. CB Floor El. 272 Room, Area<sup>1</sup> SOUTH HALF OF ROOM

SWEL Components: SWEL1-070, 070, 082, 083, 093 AHA SWEL 2-010 *JAH 10/25/12*

Photographs



Note: Filing cabinets in SE corner.



Note: Gap between filing cabinets and switch control panel.



ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 5

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC- 038

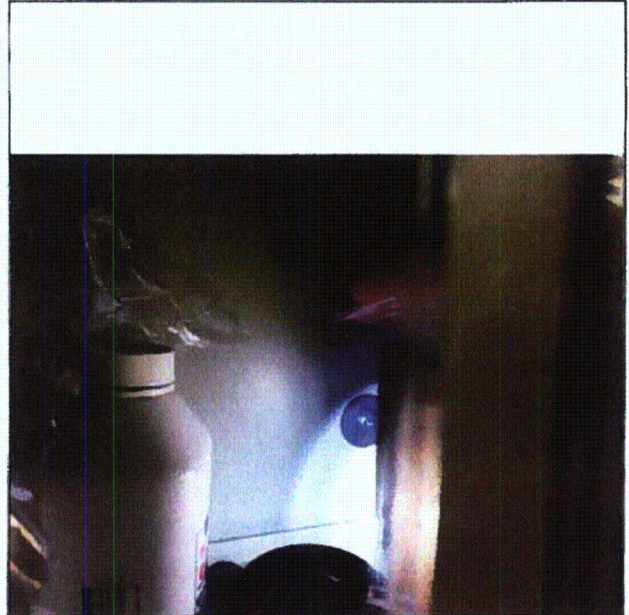
Location: Bldg. CB Floor El. 272 Room, Area' SOUTH HALF OF ROOM

SWEL Components: SWEL1- 016, 070, 082, 083, 093 AND SWEL 2-010 *JBA 10/24/12*

*JN 10/25/12*



Note: Storage cabinets in SW area of room



Note: View inside of one of the two anchors located inside each storage cabinet.

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 1 of 6

Status: Y  N  U Area Walk-By Checklist (AWC) AWC-039Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> FPC Heat Exchanger RoomSWEL Components: SWEL2-007, -008, -009**Instructions for Completing Checklist**

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. 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.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Y  N  U  N/A
- Anchorage of all equipment in the area was visually inspected and determined to be free of an potentially adverse seismic conditions.
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y  N  U  N/A
- Anchorage in the area was visually inspected.
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Y  N  U  N/A
- All cable trays and HVAC ducting in the area was visually inspected and determined to be free of any adverse seismic conditions.

<sup>1</sup> If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 2 of 6

Status: Y  N  U

**Area Walk-By Checklist (AWC)** AWC-039

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> FPC Heat Exchanger Room

**SWEL Components:** SWEL2-007, -008, -009

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Y  N  U  N/A

- The area was visually inspected

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y  N  U  N/A

- The area was visually inspected

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y  N  U  N/A

- The area was visually inspected

**ATTACHMENT 9.7****AREA WALK-BY CHECKLIST**

Sheet 3 of 6

Status: Y  N  U Area Walk-By Checklist (AWC) AWC-039Location: Bldg. RB Floor El. 303 Room, Area FPC Heat Exchanger RoomSWEL Components: SWEL2-007, -008, -009

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?

Y  N  U  N/A 

A few housekeeping issues were identified, NONE of the items are of sufficient mass or proximity to cause a potentially adverse seismic interaction concern

- Junction Box B-870 is missing 1 of its 12 cover screws. The box is not safety related and it is not located near any safety related equipment. In addition 11 well secured fasteners are still in place to secure the relatively small mass of the cover.
- Scaffold LT-063 was within ½" of vent valve FPC V19-44A on the normal Fuel Pool heat exchanger. This is not safety related and the scaffold did not appear that it would have any adverse affect during or after a seismic event.
- There are 4 unsecured/improperly stored ladders in the room. None are located close enough to safety related equipment to cause a seismic concern.
- There is a bucket, a cardboard style box, trash, and other miscellaneous items scattered about the room. None are of significant mass and/or proximity to safety related equipment to cause a potentially adverse seismic concern.

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 6

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC-039

Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> FPC Heat Exchanger Room

SWEL Components: SWEL2-007, -008, -009

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

- Lines 3" FPC-26A, 3" FPC-29A, 6" FPC-5A, and 6" FPC-6A were specifically inspected due to their direct connection to the spent fuel pool. There were no seismic or interaction concerns associated with these lines. The only equipment above the lines is overhead lighting, which due to the robust nature of the lines and the secure fasteners on the lighting poses no seismic interaction concerns.

Comments (Additional pages may be added as necessary)

Evaluated by: Mike Rose *Mike Rose* Date: 10/22/2012

Dave Grimes *D.F. Grimes* 10/22/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 5 of 6

Status: Y  N  U

Area Walk-By Checklist (AWC) AWC-039

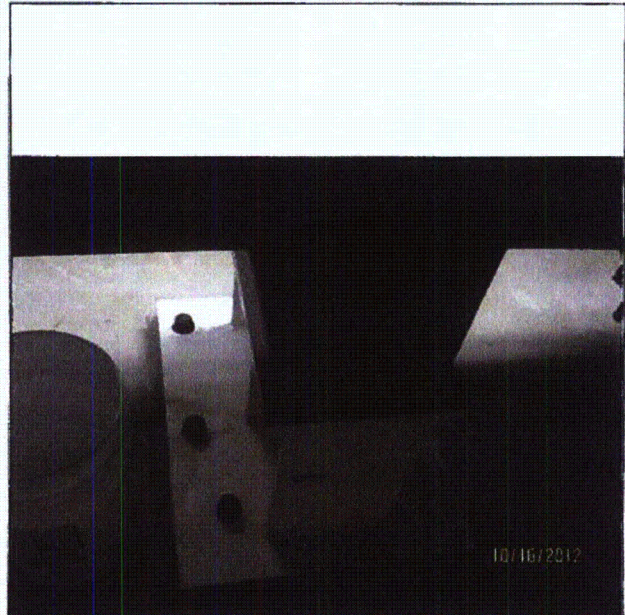
Location: Bldg. RB Floor El. 303 Room, Area<sup>1</sup> FPC Heat Exchanger Room

SWEL Components: SWEL2-007, -008, -009

Photographs



Note:



Note:

**ATTACHMENT 9.7**

**AREA WALK-BY CHECKLIST**

Sheet 6 of 6

Status: Y  N  U

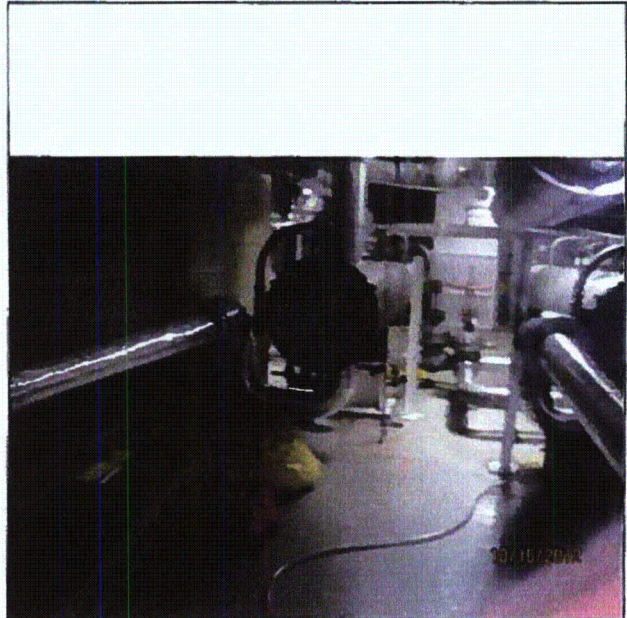
Area Walk-By Checklist (AWC) AWC-039

Location: Bldg. RB Floor El. 303 Room, Area' FPC Heat Exchanger Room

SWEL Components: SWEL2-007, -008, -009



Note:



Note:

## **Attachment E**

### **Potentially Adverse Seismic Conditions**



	NUCLEAR MANAGEMENT MANUAL	NON-QUALITY RELATED	EN-DC-168	REV. 0
		REFERENCE USE	PAGE 69 OF 79	

**Fukushima Near-Term Task Force Recommendation 2.3 Seismic Walk-down Procedure**

ATTACHMENT 9.8  
 Sheet 1 of 3

POTENTIALLY ADVERSE SEISMIC CONDITIONS FORM AND INSTRUCTIONS

LB #	SWC/AWC #	IDENTIFIED CONDITION	LICENSING BASIS EVALUATION CONCLUSION	RESOLUTION	STATUS
N/A	N/A	N/A	N/A	N/A	N/A

Prepared by: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Peer Review Team Member

Date: \_\_\_\_\_

## **Attachment F**

### **Licensing Basis Evaluation Forms**

There were no Licensing Basis Evaluations required. All unusual conditions were entered into the CAP system immediately and dispositioned for operability, with no operability issues identified.

## **Attachment G**

### **Peer Review Checklist for SWEL**

**ATTACHMENT 9.10****PEER REVIEW CHECKLIST FOR SWEL FORM**

Sheet 1 of 3

**Peer Review Checklist for SWEL****Instructions for Completing Checklist**

This peer review checklist may be used to document the review of the Seismic Walkdown Equipment List (SWEL) in accordance with EPRI 1025286, Section 6: Peer Review. The space below each question in this checklist should be used to describe any findings identified during the peer review process and how the SWEL may have changed to address those findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Were the five safety functions adequately represented in the SWEL 1 selection? Y  N

The SWEL1 contains 102 components and addresses all five safety functions from a population of about 750. Many components provide safety functions for multiple systems, and/or are part of frontline support systems. The five safety functions discussed in EPRI Report 1025286 are well represented in the SWEL. Reactivity control, reactor pressure boundary, RC inventory control, DH removal and containment integrity were considered in the selection process.

2. Does SWEL 1 include an appropriate representation of items having the following sample selection attributes:

- a. Various types of systems? Y  N

Items included on the SWEL comprise a variety of systems such as Emergency Diesel Generators and Auxiliaries, Service Water System, Component Cooling Water System, Pressure Control, Residual Heat Removal System, Vital A/C and D/C systems.

- b. Major new and replacement equipment? Y  N

Equipment with anchorage modifications as a result of USI A-46/IEEE is included. SWEL1-101 and SWEL1-102 are replacement and new equipment, respectively.

- c. Various types of equipment? Y  N

SWEL 1 includes at least one example of each of the 21 classes of equipment, except class 11 (chillers). All classes of equipment except for the one identified class are well represented. In general, the number of components in each class is proportional to the number of safety-related components of that class in the plant as a whole, except that the number of in-line valves was reduced to allow for the inclusion of equipment that is anchored because anchored equipment is potentially more vulnerable to seismic loads.

**ATTACHMENT 9.10****PEER REVIEW CHECKLIST FOR SWEL FORM**

Sheet 2 of 3

**Peer Review Checklist for SWEL**

- d. Various environments? Y  N

Components are located in different buildings, rooms, and/or on different building elevations as well as different environments (inside, outside, temperature, humidity). The SWEL also includes components located inside primary containment and steam tunnel.

- e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Y  N

The SWEL includes components that were identified during the IPEEE as being potentially vulnerable to a seismic event.

- f. Were risk insights considered in the development of SWEL 1? Y  N

Vermont Yankee does not have a seismic PRA. Industry models of PRAs were used to aid in selection. Additionally, Section 6.2 and Attachment I of the report describe the risk ranking assessment method applied to determine the most risk significant components.

## 3. For SWEL 2:

- a. Were spent fuel pool related items considered, and if applicable included in SWEL 2? Y  N

SWEL 2 includes 11 components for maintaining cooling of the SFP, which are Seismic Category 1 components.

- b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2? Y  N

Based on reviewer knowledge, it appears that this criterion is met. There were no components that could contribute to rapid SFP draindown that were identified based on review of the information presented in Sections 6.3.1 and 6.3.2 of the report.

ATTACHMENT 9.10

PEER REVIEW CHECKLIST FOR SWEL FORM

Sheet 3 of 3

Peer Review Checklist for SWEL

4. Provide any other comments (Attachment 9.11) related to the peer review of the SWELs.

Based on my review, the list selected is adequate, complete and in compliance with EPRI guidance.

Plant personnel review was at all level was thorough and multidiscipline.

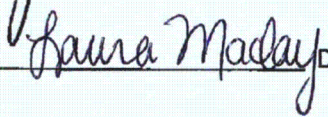
The peer reviewer ensured that the SWELs met the requirements of EPRI Report 1025286.

***During implementation of seismic walkdown of SWEL1-065 (FCV-104-17D Travelling Screen Control Valve) it was determined that the valve was inaccessible for inspection it was replaced with LCV-108-3 which is located in the Fuel Oil Pump House and is simmlar in class (GIP 07) and is located in a simmlar humid environment as FCV-104-17D.***

***No other SWEL1 & SWEL2 items have been changed since the original SWEL was approved prior to the Seismic Walkdowns.***

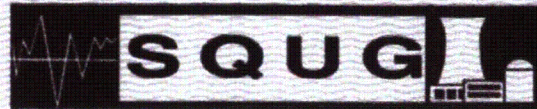
5. Have all peer review comments been adequately addressed in the final SWEL?  Y  N

Peer Reviewer #1: JULIEN ABRAMOVICI(ENERCON)  Date: 11-16-2012

Peer Reviewer #2: LAURA MACLAY(ENERCON)  Date: 11-16-2012

## **Attachment H**

### **Peer Review Checklist for SWEL**



# Certificate of Achievement

This is to Certify that

**Steven M Buckley**

has Completed the SQUG Walkdown Screening  
and Seismic Evaluation Training Course  
Held November 9-13, 1992



David A. Freed, MPR Associates  
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison  
SQUG Chairman

Robert P. Kassawara, EPRI  
SQUG Program Manager



Attachment H

NTTF 2.3 Seismic Walkdowns

*Certificate of Achievement*

This is to certify that

**Marcus Hecht-Nielsen**

Has completed the NTTF 2.3 Seismic Walkdown Training

Course completed September 16, 2012



A handwritten signature in black ink, appearing to read 'Andrew Maham'.

Andrew Maham, P.E.  
CJC Associates  
NTTF 2.3 Training Instructor

NTTF 2.3 Seismic Walkdowns

*Certificate of Achievement*

This is to certify that

**Randall Stephens**

Has completed the NTTF 2.3 Seismic Walkdown Training  
Course held July 26, 2012



A handwritten signature in black ink, appearing to read "MWE".

Mark W. Eli, SCE, PE  
ARES NTTF 2.3 Training Coordinator

NTTF 2.3 Seismic Walkdowns

*Certificate of Achievement*

This is to certify that

**Raymond Tworek**

Has completed the NTTF 2.3 Seismic Walkdown Training  
Course held August 31, 2012



A handwritten signature in black ink, appearing to read "MWE".

Mark W. Eli, SCE, PE  
ARES NTTF 2.3 Training Coordinator

Attachment H



*Excellence—Every project. Every day.*

## Certificate of Completion

is hereby granted to

# Kirit Parikh

for successful completion of

### TRAINING ON NEAR TERM TASK FORCE

### RECOMMENDATION 2.3

### *PLANT SEISMIC WALKDOWNS*

Awarded: 9/28/2012 in Naperville, IL

A handwritten signature in black ink, appearing to read "Kevin Bessell", written over a horizontal line.

Kevin Bessell  
Certified Seismic Walkdown Engineer  
Palo Alto, CA – 6/13/2012

A handwritten signature in black ink, appearing to read "Alex Smerch", written over a horizontal line.

Alex Smerch  
Certified Seismic Walkdown Engineer  
Palo Alto, CA – 6/13/2012



# *Certificate of Completion*

## **Christopher Rose**

**Training on Near Term Task Force  
Recommendation 2.3  
- Plant Seismic Walkdowns**

July 27, 2012

Date

A handwritten signature in black ink, reading "R. P. Kassawara".

Robert K. Kassawara  
EPRi Manager,  
Structural Reliability & Integrity



# *Certificate of Completion*

## **Dave Grimes**

**Training on Near Term Task Force  
Recommendation 2.3  
- Plant Seismic Walkdowns**

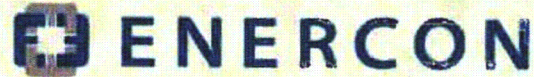
July 27, 2012

\_\_\_\_\_  
Date

*R.P. Kassawara*

\_\_\_\_\_  
Robert K. Kassawara  
EPRI Manager,  
Structural Reliability & Integrity

Attachment H



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## Certificate of Completion

is hereby granted to

# Julian Abramovici

for successful completion of

**TRAINING ON NEAR TERM TASK FORCE  
RECOMMENDATION 2.3  
*PLANT SEISMIC WALKDOWNS***

Awarded: 9/13/2012 in Mt. Arlington, NJ

A handwritten signature in black ink, appearing to read "Kevin Bessell".

Kevin Bessell

Certified Seismic Walkdown Engineer  
Palo Alto, CA – 6/13/2012

A handwritten signature in black ink, appearing to read "Alex Smerch".

Alex Smerch

Certified Seismic Walkdown Engineer  
Palo Alto, CA – 6/13/2012

Attachment H



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## Certificate of Completion

is hereby granted to

# Juan Vizcaya

for successful completion of

**TRAINING ON NEAR TERM TASK FORCE  
RECOMMENDATION 2.3  
*PLANT SEISMIC WALKDOWNS***

Awarded: 7/26/2012 in Mt. Arlington, NJ

A handwritten signature in blue ink, appearing to read 'Kenneth Whitmore', written over a horizontal line.

Kenneth Whitmore  
Certified Seismic Walkdown Engineer  
Alexandria, VA – 6/20/2012



Attachment H



*Excellence -- Every project. Every day.*

## Certificate of Completion

is hereby granted to

# Jeff Horton

for successful completion of

**TRAINING ON NEAR TERM TASK FORCE  
RECOMMENDATION 2.3  
*PLANT SEISMIC WALKDOWNS***


Awarded: 7/26/2012 in Mt. Arlington, NJ

A handwritten signature in black ink, appearing to read 'Ken Whitmore', written over a horizontal line.

Kenneth Whitmore  
Certified Seismic Walkdown Engineer  
Alexandria, VA - 6/20/2012

## **Attachment I**


### **Peer Review Checklist for SWEL**

	<b>NUCLEAR MANAGEMENT MANUAL</b>	NON-QUALITY RELATED	EN-DC-168	REV. 0
		REFERENCE USE	PAGE 79 OF 79	
<b>Fukushima Near-Term Task Force Recommendation 2.3 Seismic Walk-down Procedure</b>				

ATTACHMENT 9.11

PEER REVIEW COMMENT FORM

Sheet 1 of 1

		Seismic Walkdown Submittal Report Review Comments and Resolutions Form		
Engineering Report Number	VTY-RPT-12-00019	Rev. 0	Title Vermont Yankee Seismic Walkdown Submittal Report for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic	
Quality Related: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Notes or Instructions:		
Comment Number	Section/ Page No.	Review Comment	Response/Resolution	Reviewer's Accept Initials
		All Seismic Walkdown Checklist (SWC) and Area Walk-by Checklists (AWC) comments provided were resolved satisfactorily and accepted by VYNPS.		
Reviewed By:		Date	Resolved By:	
Site/Department:		Ph.	Date:	

## **Attachment J**

### **Peer Review Checklist for SWEL**

## ATTACHMENT J

### SWEL 1 Risk Ranking Process

EPRI-TR-1025286 provides guidance for developing the Seismic Walkdown Equipment List (SWEL) and performing the seismic walkdown. Section 3 of EPRI-TR-1025286 identifies that the SWEL should include consideration of the importance of the contribution to risk for the Structures, Systems, and Components (SSCs).

It should be noted that use of risk ranking is only applied in the selection of SSCs included in SWEL-1 group. The SWEL-1 group of SSCs are those associated with maintaining the following five safety functions:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal
- Containment function

Vermont Yankee does not have a Seismic PRA (SPRA). However, based on insights from previous industry SPRA models, the Level 1 site LOOP event sequences would identify the equipment that are also generally risk important during seismic events (e.g., EDGs, DC equipment, and other AC-independent equipment such HPCI).

Therefore, the risk importance from the VY Level 1 full-power internal events PRA, with a minor modification, was used as input for the SWEL. The minor modification is that only the site LOOP event sequences were used as input for the risk importance measures. No other PRA model changes were judged required.

Super components modeled in the PRA generally include all components modeled on the skid (e.g., EDG, control panel, air start system, etc.). Individual components within the defined PRA component boundary do not need to be identified as separate components for the importance list. However, support system components that are modeled as separate basic events (e.g., EDG Fuel Oil Transfer Pump, ventilation, cooling water, etc.) can be identified as separate components for the importance list.

Seismic events may simultaneously damage multiple structures, redundant systems, and components within the plant. Therefore, the risk importance of common cause failure (CCF) events modeled in the PRA were also reviewed and used in the selection process. CCF events represent failure of two or more components (e.g., reactor water level transmitters) during a short period of time as a result of a single shared cause.

### SSC Importance Measures

Determining at-power risk importance required the use of a plant PSA model to calculate SSC relative importance to a pre-defined consequence measure – in this case core damage frequency (CDF). Risk ranking was done using two measures of risk importance:

- Risk Achievement Worth (RAW)
- Fussell-Vesely Importance (F-V)

**Calculation of Risk Achievement Worth (RAW)**

Risk Achievement Worth (RAW) measures the increase in core damage frequency when the component's failure probability is set to 1. That is, a new CDF is calculated with the SSC of interest guaranteed to fail. The equation for RAW is

$$RAW = \frac{CDF_1}{CDF_{base}}$$

where:

$CDF_1$  = core damage frequency when the component(s) failure probability is set to 1

$CDF_{base}$  = base core damage frequency

**Calculation of Fussell-Vesely Importance (F-V)**

Fussell-Vesely Importance (F-V) measures the decrease in core damage frequency when the component's failure probability is set to 0. That is, a new CDF is calculated with the SSC of interest perfectly reliable or guaranteed to succeed. The equation for F-V is

$$F - V = \frac{(CDF_{base} - CDF_0)}{CDF_{base}}$$

where:

$CDF_0$  = core damage frequency when the component(s) failure probability is set to 0

$CDF_{base}$  = base core damage frequency

**SSC Risk Significance**

After calculation of the importance measures, the risk significance of SSCs were determined using the following criteria:

Description	Ranking Criteria
high risk significance	$F-V \geq 0.01$ -or- $RAW \geq 2$