

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PI-0633

Equipment Class: (18) Instruments on Racks

Equipment Description: SPENT FUEL PIT PUMP SUCTION PRESSURE INDICATO

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): FH, 401.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Instrument is securely attached to rack that is anchored to seismic block wall that would not collapse.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PI-0633

Equipment Class: (18) Instruments on Racks

Equipment Description: SPENT FUEL PIT PUMP SUCTION PRESSURE INDICATO

Interaction Effects

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

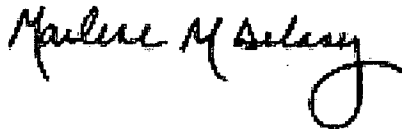
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

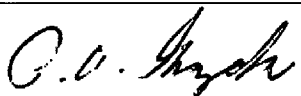
Seismic walkdown team M. Delaney & P. Gazda 8/9/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PI-0633

Equipment Class: (18) Instruments on Racks

Equipment Description: SPENT FUEL PIT PUMP SUCTION PRESSURE INDICATO

Photos

None.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PL08J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: 1B DG CONTROL PANEL

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No

2. Is the anchorage free of bent, broken, missing or loose hardware? Yes

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes

4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes

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.) Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Welded at base - weld spacing typical to other similar components and judged acceptable

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PL08J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: 1B DG CONTROL PANEL

Interaction Effects

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

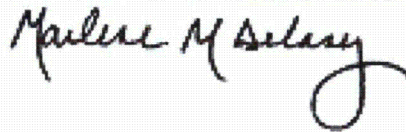
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

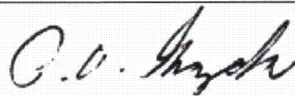
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PL08J

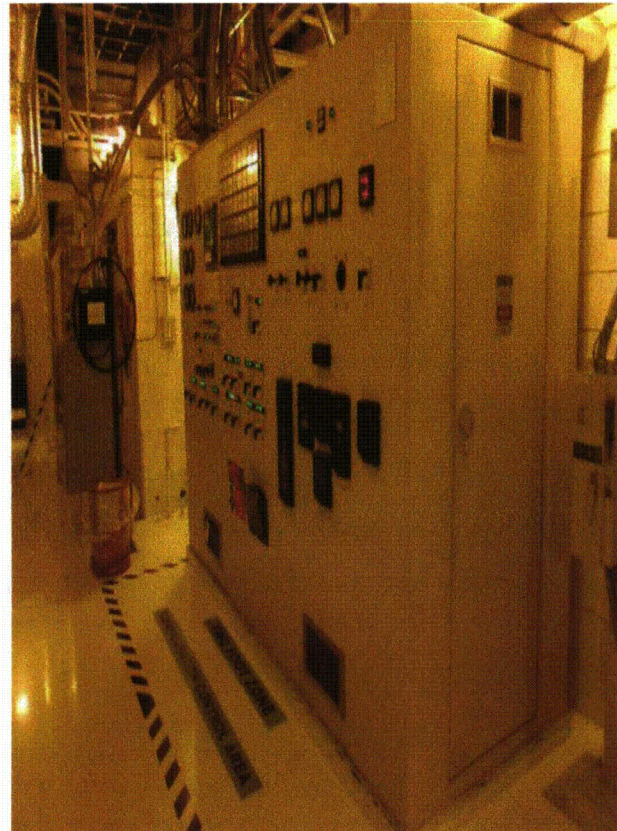
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: 1B DG CONTROL PANEL

Photos



1PL08J Byron 1 & 2 209



1PL08J Byron 1 & 2 210

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PL08J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: 1B DG CONTROL PANEL



1PL08J Byron 1 & 2 211

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PM05J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: MAIN CONTROL BOARD

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing 6E-0-3391AN Revision F
Floor is carpeted but could see/touch weld through carpeting. Front of panel not visible. Interior not visible due to fireproofing.
Anchorage is judged acceptable based on quality of weld verified.
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PM05J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: MAIN CONTROL BOARD

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
*Masonry walls are seismic and would not collapse on equipment
Calculation 8.11.6.9-BYR03-070 Rev 0 was generated to evaluate the ceiling with the conclusion that panels would not fall during a seismic event.*
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Loose screws on panel back were tightened by equipment operator.

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/6/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PM05J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: MAIN CONTROL BOARD

Photos



1PM05J (AWB CABINETS OK) Byron 1 & 2 009



1PM05J (AWB CRACKED CEILING TILE) Byron 1 & 2 010



1PM05J Byron 1 & 2 008

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PT-0516

Equipment Class: (18) Instruments on Racks

Equipment Description: S/G LOOP 1A STM PRESS XMTTR

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 377.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Instrument securely mounted on well-supported rack.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PT-0516

Equipment Class: (18) Instruments on Racks

Equipment Description: S/G LOOP 1A STM PRESS XMTR

Interaction Effects

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

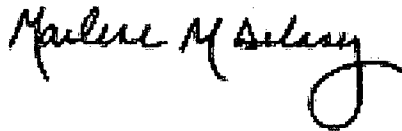
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

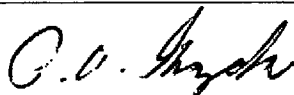
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1PT-0516

Equipment Class: (18) Instruments on Racks

Equipment Description: S/G LOOP 1A STM PRESS XMTTR

Photos



1PT-0516 Byron 1 & 2 163

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RD05E

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: REACTOR TRIP SWITCHGEAR

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 451.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
Minor shrinkage cracking in floor judged to be acceptable.
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.) Yes
Anchorage shown on drawing 6E-0-3391D, Rev. AC.
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
All cubicle doors opened. All anchorages observed (front, middle, and rear plug welds).

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RD05E

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: REACTOR TRIP SWITCHGEAR

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes

Bottom of south side, west door at hinge end is slightly sprung. Door is adequately latched, therefore there is no seismic concern.

1RD05E is bolted to adjacent panel 1RD03E to eliminate spatial interaction issues during a seismic event.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes

Masonry wall west of switchgear is adequately restrained and seismic - would not collapse on equipment.

9. Do attached lines have adequate flexibility to avoid damage? Yes

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

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

All cubicle doors opened. No adverse seismic conditions observed.

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:

James D. Griffith

James Griffith

Date: 10/5/2012

P. O. Gazda

Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RD05E

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: REACTOR TRIP SWITCHGEAR

Photos



1RD05E BYRON 023



1RD05E BYRON 024

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RD05E

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: REACTOR TRIP SWITCHGEAR



1RD05E BYRON 025



1RD05E BYRON 026

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB

Equipment Class: (6) Vertical Pumps

Equipment Description: PUMP,1B RESIDUAL HEAT REMOVAL ASMBLY

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
Crack in grout at 2 bolts. Bolts are embedded in pier where there are no cracks. Not a structural/seismic issue - acceptable. IR 1403131 was written to document condition.
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.) Yes
Drawing M-1219 Sheet 2 Revision AC Detail 9
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB

Equipment Class: (6) Vertical Pumps

Equipment Description: PUMP, 1B RESIDUAL HEAT REMOVAL ASMBLY

Interaction Effects

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

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Boric acid on bolts. Not a structural/seismic issue. IR 1403165 written.

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/21/12 pm

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. P. Gazda

Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB

Equipment Class: (6) Vertical Pumps

Equipment Description: PUMP,1B RESIDUAL HEAT REMOVAL ASMBLY

Photos

None.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB-A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: RH PUMP 1B SEAL COOLER

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 346.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Securely mounted to pump

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB-A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: RH PUMP 1B SEAL COOLER

Interaction Effects

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

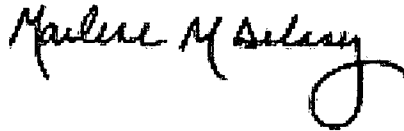
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

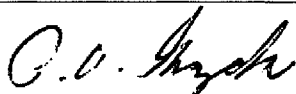
Seismic walkdown team M. Delaney & P. Gazda 8/21/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

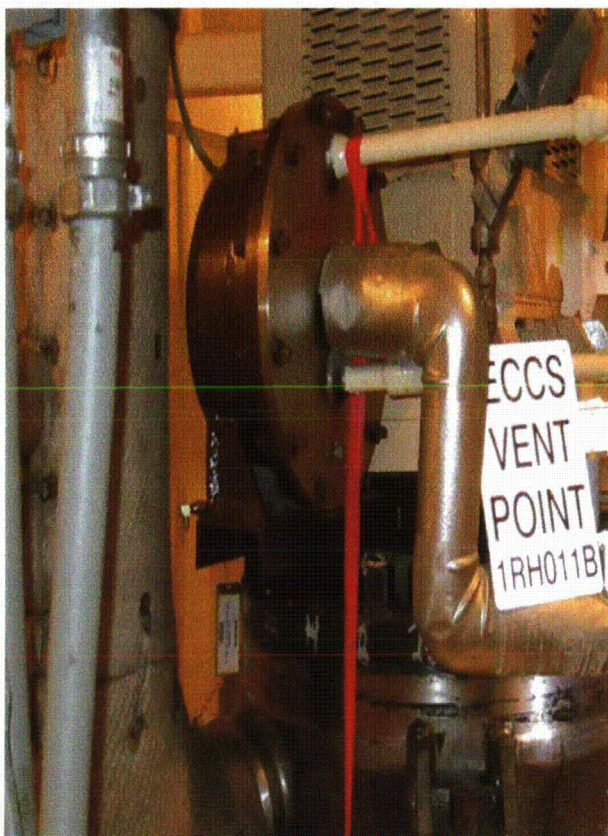
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH01PB-A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: RH PUMP 1B SEAL COOLER

Photos



1RH01PB-A Byron 1 & 2 8-21-12 035

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH607

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: RESIDUAL HEAT REMOVAL HX 1B FLOW CONT VLV ASMBLY; 8"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 357.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH607

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: RESIDUAL HEAT REMOVAL HX 1B FLOW CONT VLV ASMBLY; 8"

Interaction Effects

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

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
No structural/seismic issues

Comments

Seismic walkdown team M. Delaney & P. Gazda 8-21-12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

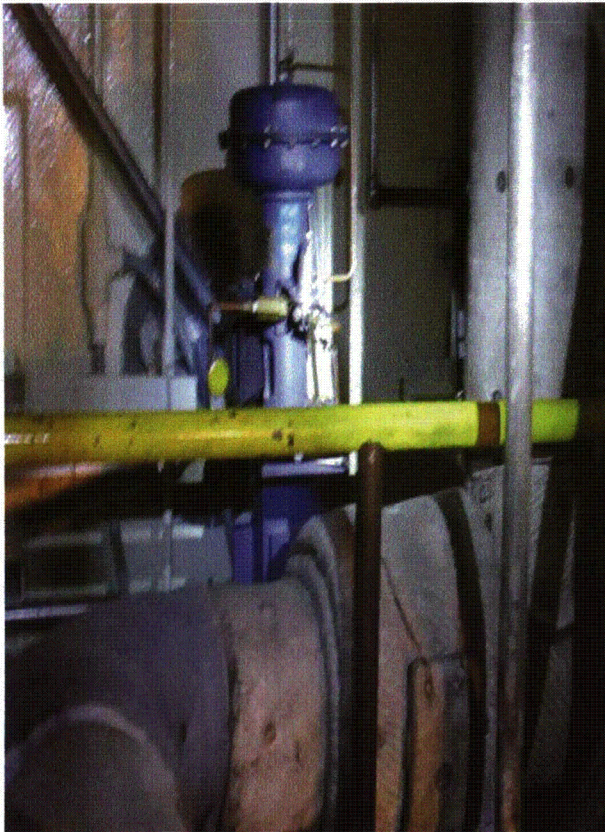
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH607

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: RESIDUAL HEAT REMOVAL HX 1B FLOW CONT VLV ASMBLY; 8"

Photos



1RH607 Byron 1 & 2 8-21-12 010

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH8702A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RC LOOP 1C TO RH PMP 1B SUCT ISOL VLV ASMBLY; 12"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Cont, 377.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH8702A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RC LOOP 1C TO RH PMP 1B SUCT ISOL VLV ASMBLY; 12"

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Permanent scaffold is adequately restrained in accordance with Exelon Scaffold Procedure
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by: James D. Griffith James Griffith

Date: 10/5/2012

P. C. Gazda Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH8702A

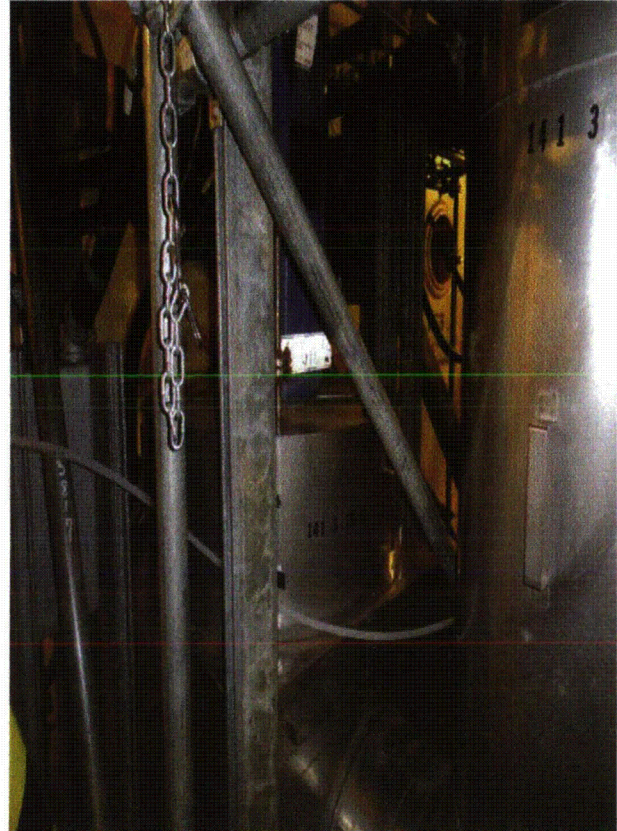
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RC LOOP 1C TO RH PMP 1B SUCT ISOL VLV ASMBLY; 12"

Photos



1RH8702A BYRON 019



1RH8702A BYRON 020

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RH8702A

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RC LOOP 1C TO RH PMP 1B SUCT ISOL VLV ASMBLY; 12"



1RH8702A BYRON 021

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY32MA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: PORV ACCUMULATOR 1A

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Cont, 426.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Tank anchorage consists of pipe trunnions welded to embedded plates on pressurizer coffin wall and is judged acceptable.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY32MA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: PORV ACCUMULATOR 1A

Interaction Effects

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

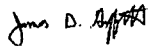
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

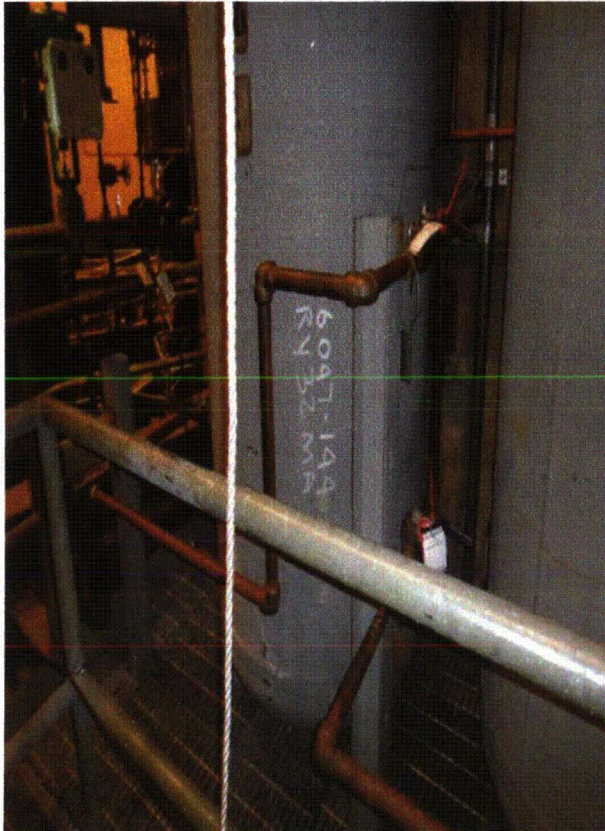
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY32MA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: PORV ACCUMULATOR 1A

Photos



1RY32MA BYRON 003



1RY32MA BYRON 004

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY32MA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: PORV ACCUMULATOR 1A



1RY32MA BYRON 005

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY455A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: PZR PORV (C/S AT 1PM05J) ASMBLY

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Cont, 451.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY455A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: PZR PORV (C/S AT 1PM05J) ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes

Auxiliary steel members for pipe supports associated with the pipe containing this valve are in contact with/close to the valve. All items are adequately-restrained and move together. Judged to be acceptable.

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes

9. Do attached lines have adequate flexibility to avoid damage? Yes

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

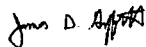
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments


Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

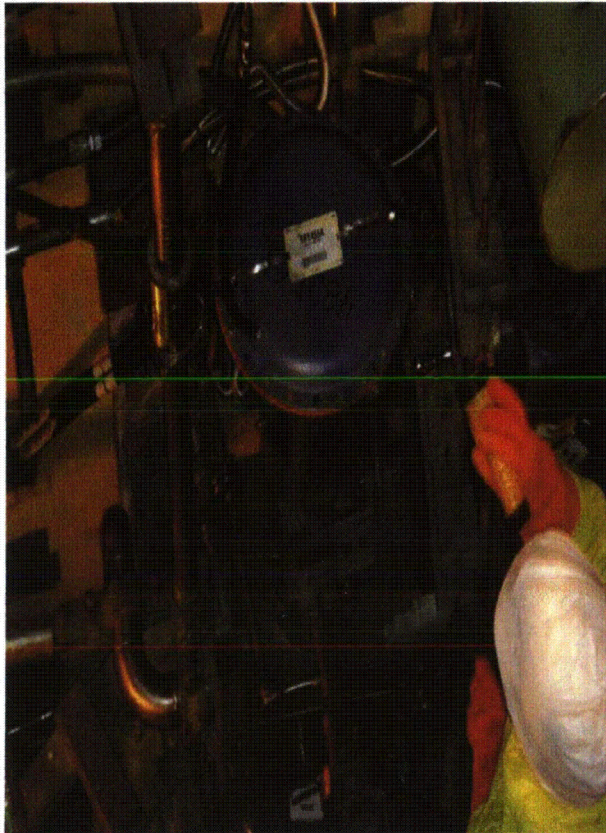
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY455A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: PZR PORV (C/S AT 1PM05J) ASMBLY

Photos



1RY455A BYRON 006



1RY455A BYRON 007

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY455A

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: PZR PORV (C/S AT 1PM05J) ASMBLY



1RY455A BYRON 008



1RY455A BYRON 009

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY8028

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: PW TO PRT CONTAINMENT ISOLATION VLV

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 387.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY8028

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: PW TO PRT CONTAINMENT ISOLATION VLV

Interaction Effects

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

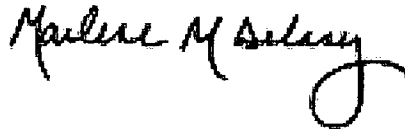
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

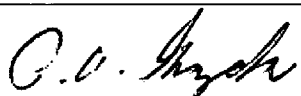
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1RY8028

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: PW TO PRT CONTAINMENT ISOLATION VLV

Photos



1RY8028 Byron 1 & 2 8-8-12 064

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI01T

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: REFUELING WATER STORAGE TANK

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): FH Out, 401.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Very large reinforced concrete tank - anchorage not visible (anchored into concrete with reinforcing steel). Judged to be acceptable since there is no deterioration at the joint between the tank and the foundation.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI01T

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: REFUELING WATER STORAGE TANK

Interaction Effects

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

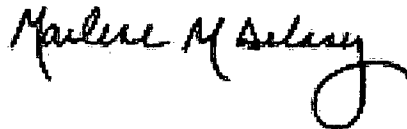
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Minor concrete cracking/spalling and judged to have no structural impact.

Comments

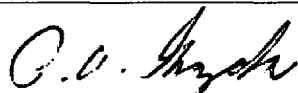
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI01T

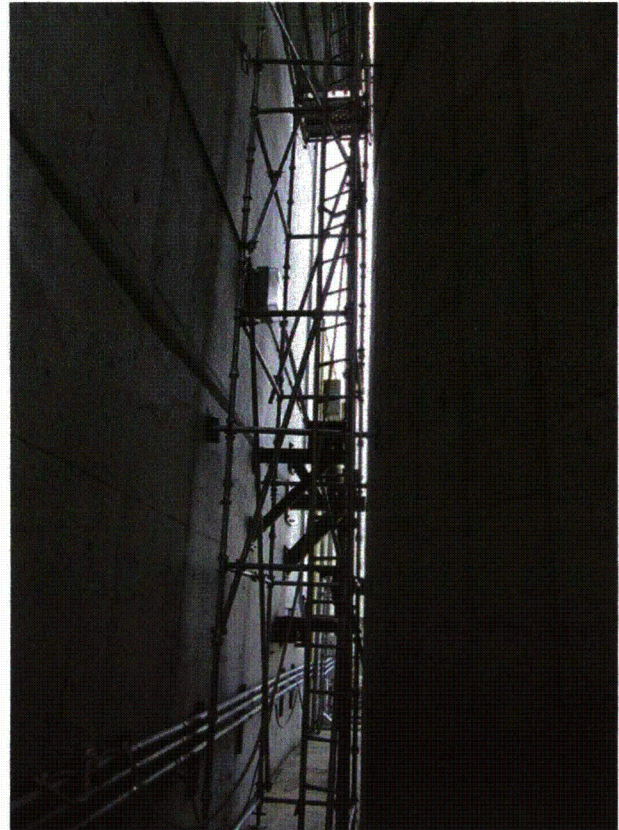
Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: REFUELING WATER STORAGE TANK

Photos



1SI01T Byron 1 & 2 149



1SI01T Byron 1 & 2 150

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8801B

Equipment Class: (7) Fluid-Operated Valves

CHG PMP TO COLD LEGS INJECTION ISOL VLV (C/S AT 1PM05J)

Equipment Description: ASMBLY; 4"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 375.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8801B

Equipment Class: (7) Fluid-Operated Valves

CHG PMP TO COLD LEGS INJECTION ISOL VLV (C/S AT 1PM05J)

Equipment Description: ASMBLY; 4"

Interaction Effects

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

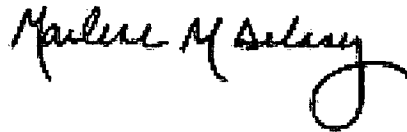
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
No structural/seismic issues

Comments

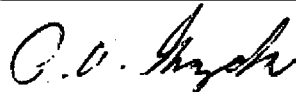
Seismic walkdown team M. Delaney & P. Gazda 8-8-12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8801B

Equipment Class: (7) Fluid-Operated Valves

CHG PMP TO COLD LEGS INJECTION ISOL VLV (C/S AT 1PM05J)

Equipment Description: ASMBLY; 4"

Photos



1SI8801B Byron 1 & 2 8-8-12 062

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8804B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8804B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV

Interaction Effects

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

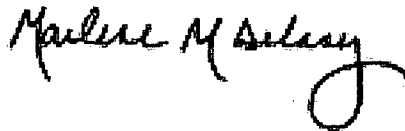
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Check valve on this pipe is close to north wall but laterally braced to south wall so this is not an issue.

Comments

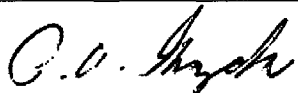
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

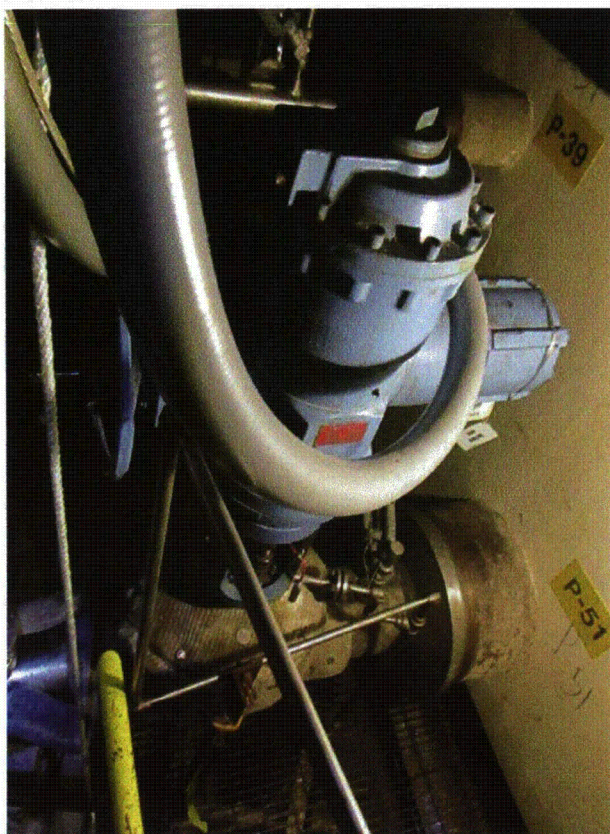
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8804B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: ASSY - MOV 1B RH HX TO 1B SI PP SUCT HDR ISOL VLV

Photos



1SI8804B Byron 1 & 2 8-8-12 050

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID-No.: 1SI8809B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY; 8"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8809B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY; 8"

Interaction Effects

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

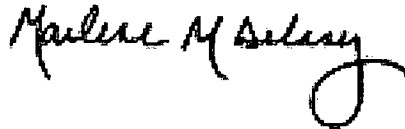
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

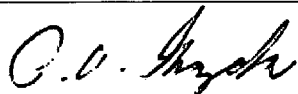
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SI8809B

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RH TO COLD LEGS 1B/1C ISOL VLV (1PM06J) ASMBLY; 8"

Photos



1SI8809B Byron 1 & 2 8-8-12 054

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX005

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: U-0 CC HX INLT VLV ASMBLY; 30"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX005

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: U-0 CC HX INLT VLV ASMBLY; 30"

Interaction Effects

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

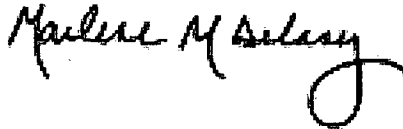
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/10/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

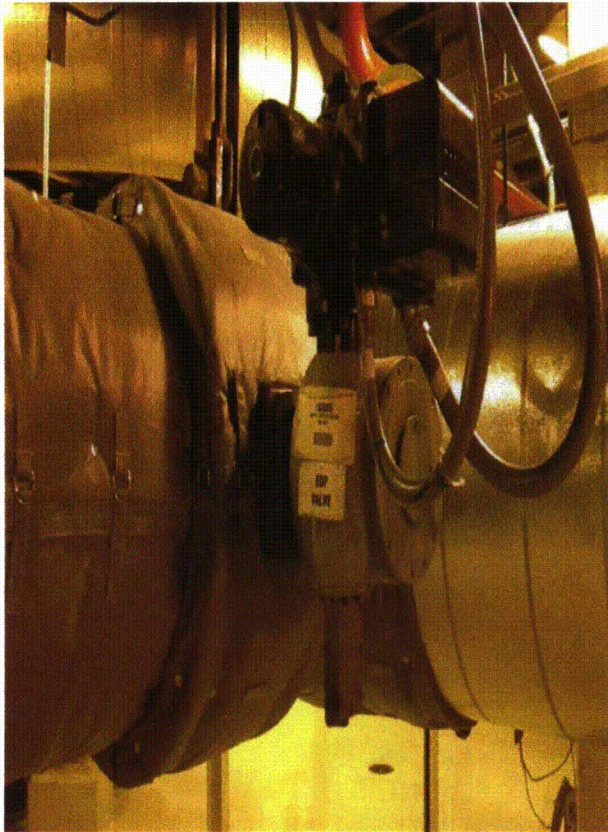
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX005

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: U-0 CC HX INLT VLV ASMBLY; 30"

Photos



1SX005 Byron 1 & 2 8-10-12 038

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01FB

Equipment Class: (0) Other

Equipment Description: 1B SX PP DSCH STRN

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing M-1218 Revision AA Detail 1
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01FB

Equipment Class: (0) Other

Equipment Description: 1B SX PP DSCH STRN

Interaction Effects

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

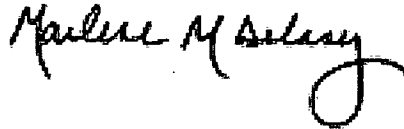
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

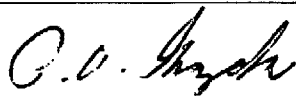
Seismic walkdown team M. Delaney & P. Gazda 8/10/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

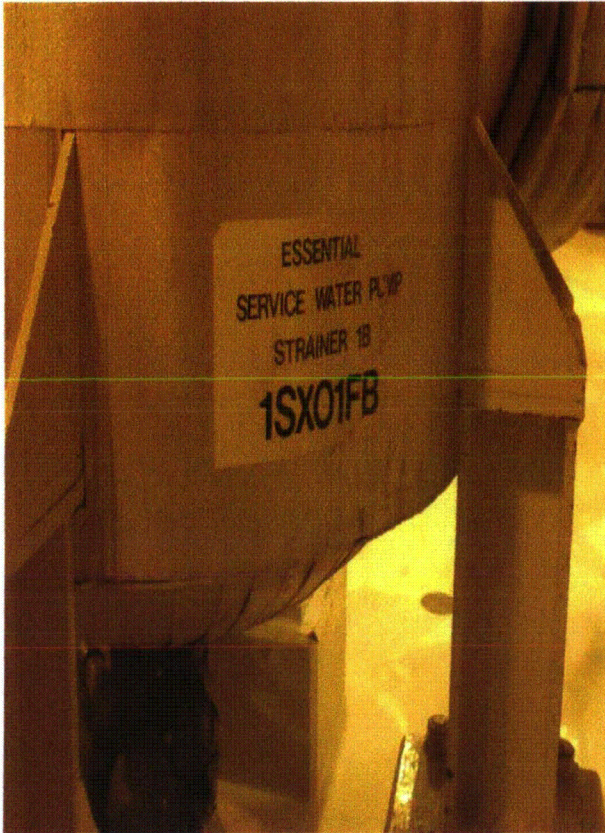
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01FB

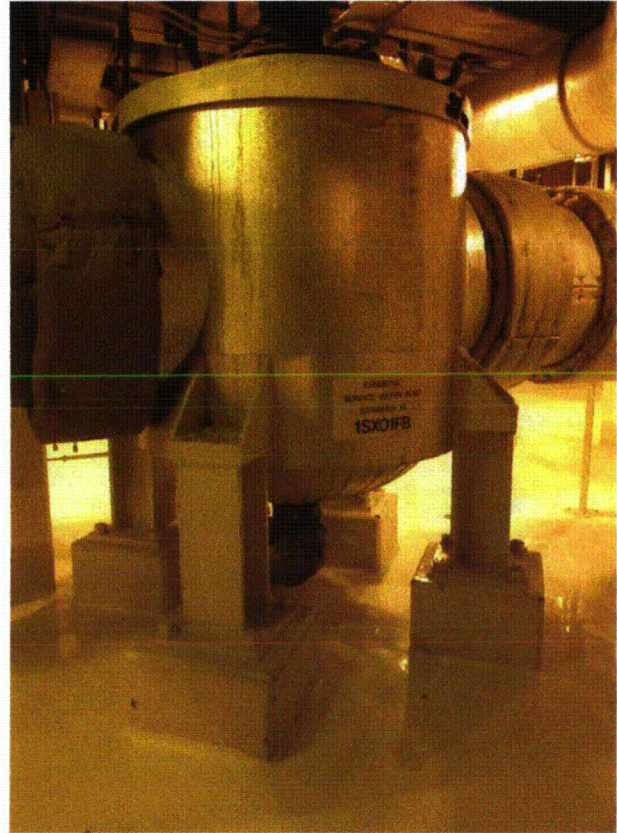
Equipment Class: (0) Other

Equipment Description: 1B SX PP DSCH STRN

Photos



1SX01FB Byron 1 & 2 8-10-12 029



1SX01FB Byron 1 & 2 8-10-12 030

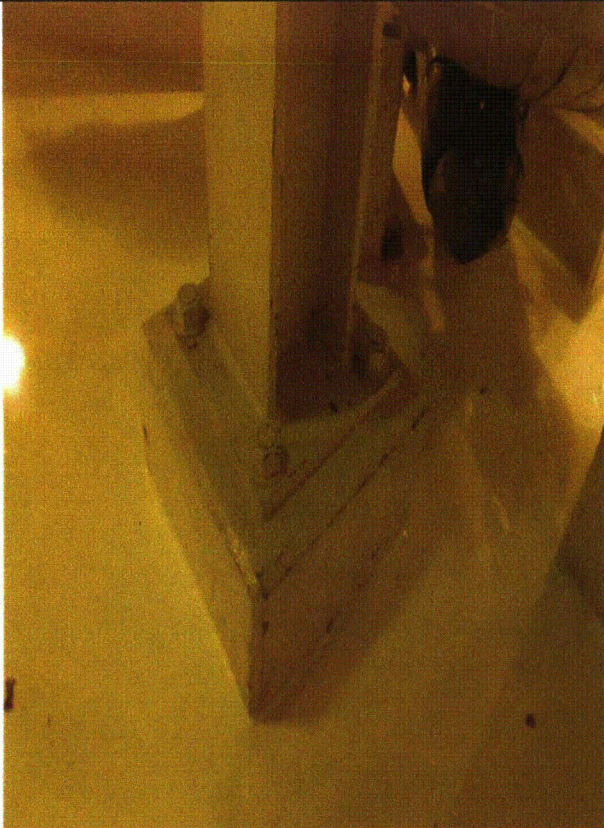
Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01FB

Equipment Class: (0) Other

Equipment Description: 1B SX PP DSCH STRN



1SX01FB Byron 1 & 2 8-10-12 031

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,1B ESSENTIAL SER WTR ASMBLY

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing M-1218 Revision AA
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,1B ESSENTIAL SER WTR ASMBLY

Interaction Effects

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

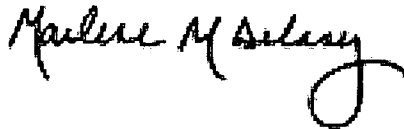
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

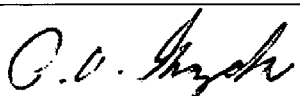
Seismic walkdown team M. Delaney & P. Gazda 8/10/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

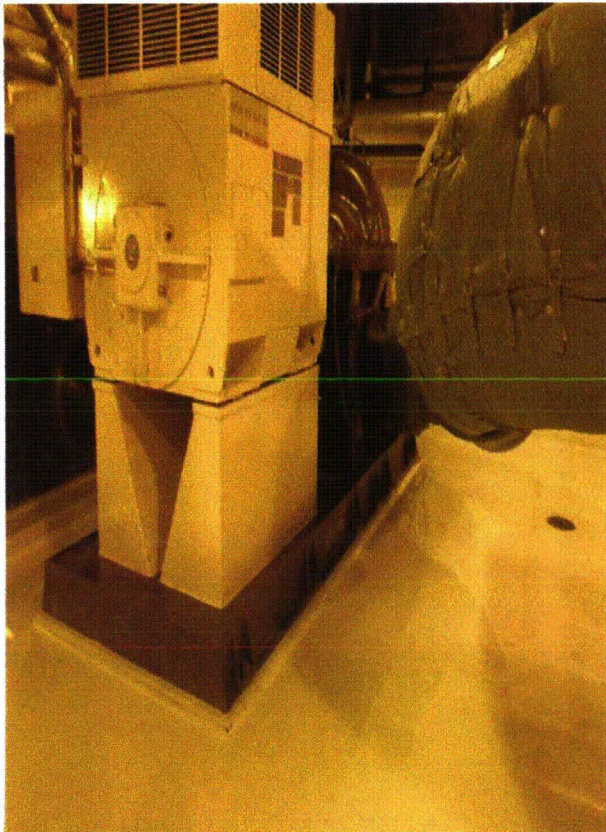
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX01PB

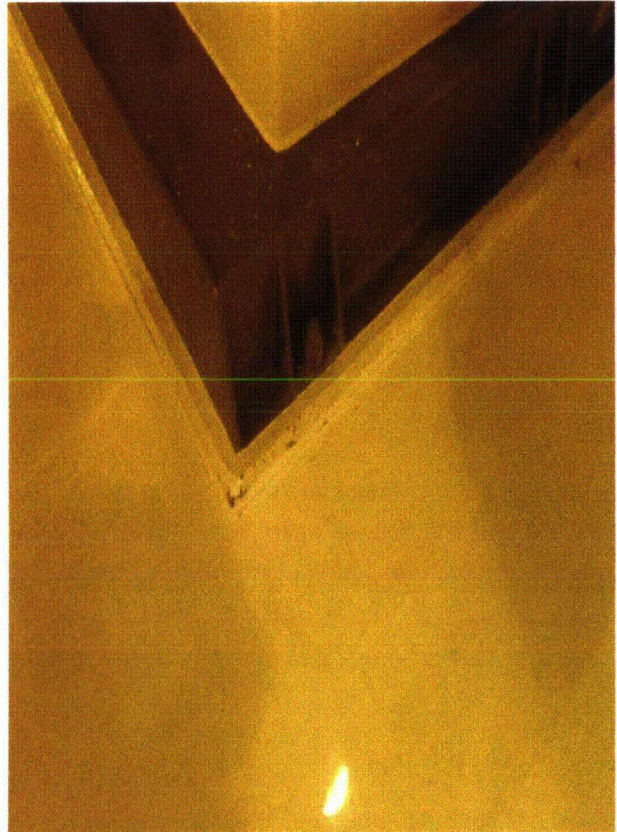
Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,1B ESSENTIAL SER WTR ASMBLY

Photos



1SX01PB Byron 1 & 2 8-10-12 033



1SX01PB Byron 1 & 2 8-10-12 034

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX169B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: DG 1B SX VLV ASMBLY; 10"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX169B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: DG 1B SX VLV ASMBLY; 10"

Interaction Effects

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

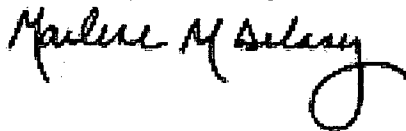
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
No structural/seismic issues

Comments

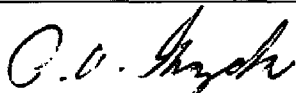
Seismic walkdown team M. Delaney & P. Gazda 8-7-12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX169B

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: DG 1B SX VLV ASMBLY; 10"

Photos



1SX169B Byron 1 & 2 205

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX173

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: SX SUP VLV TO ENG Driven CLG WTR PP FOR Diesel Driven AF PP_ASSY;
6"

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 383.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX173

Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

SX SUP VLV TO ENG Driven CLG WTR PP FOR Diesel Driven AF PP_ASSY;

Equipment Description: 6"

Interaction Effects

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

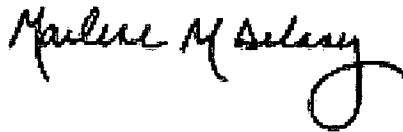
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
No structural/seismic issues

Comments

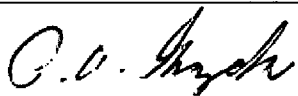
Seismic walkdown team M. Delaney & P. Gazda 8/20/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1SX173

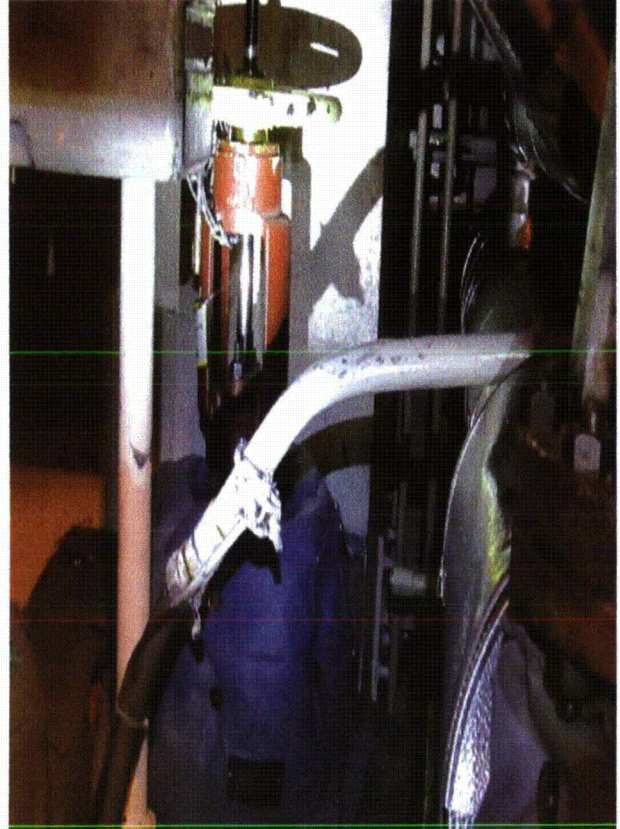
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

SX SUP VLV TO ENG Driven CLG WTR PP FOR Diesel Driven AF PP_ASSY;
Equipment Description: 6"

Photos



1SX173 Byron 1 & 2 8-20-12 025



1SX173 Byron 1 & 2 8-20-12 026

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-0604

Equipment Class: (19) Temperature Sensors

Equipment Description: RHR LP 1A RETURN TEMPERATURE RTD

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 375.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-0604

Equipment Class: (19) Temperature Sensors

Equipment Description: RHR LP 1A RETURN TEMPERATURE RTD

Interaction Effects

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

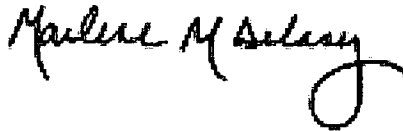
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

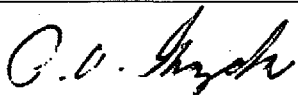
Seismic walkdown team M. Delaney & P. Gazda 8/21/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-0604

Equipment Class: (19) Temperature Sensors

Equipment Description: RHR LP 1A RETURN TEMPERATURE RTD

Photos

None.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-RC022A

Equipment Class: (19) Temperature Sensors

Equipment Description: RC WIDE RANGE LP 1A TEMP

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Cont, 390.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-RC022A

Equipment Class: (19) Temperature Sensors

Equipment Description: RC WIDE RANGE LP 1A TEMP

Interaction Effects

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

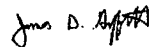
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

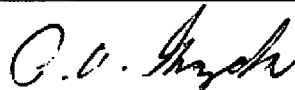
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

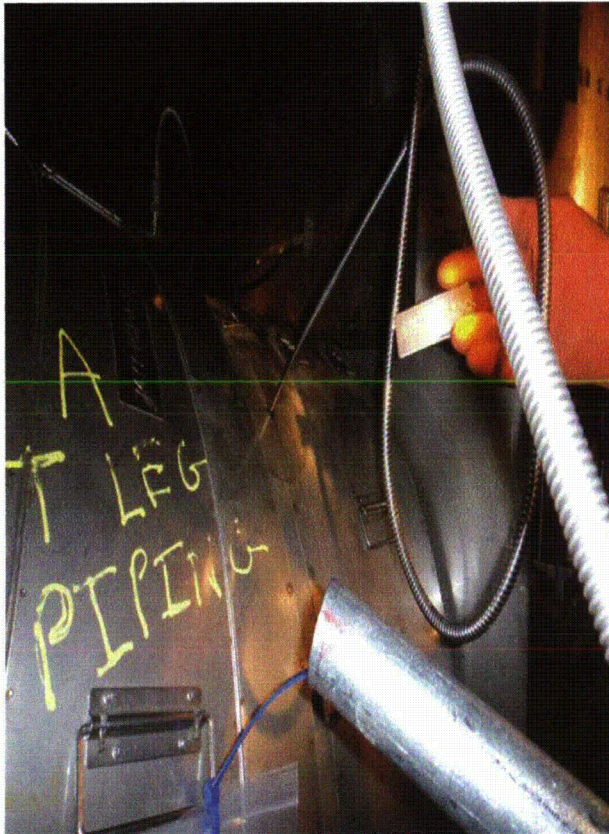
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TE-RC022A

Equipment Class: (19) Temperature Sensors

Equipment Description: RC WIDE RANGE LP 1A TEMP

Photos



1TE-RC022 BYRON 022

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TI-0628

Equipment Class: (19) Temperature Sensors

Equipment Description: SPENT FUEL POOL HEAT EXCH OUTLET TEMP INDICAT

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): FH, 426.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TI-0628

Equipment Class: (19) Temperature Sensors

Equipment Description: SPENT FUEL POOL HEAT EXCH OUTLET TEMP INDICAT

Interaction Effects

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

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
- NRC questioned the top bolt on the double clamp detail. Other supports in area used a pin rather than a bolt. This configuration is consistent with typical mechanical pipe support clamps and not an issue. Clarified with NRC by Jeff Sanchez.*

Comments

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

C. O. Gazda

Philip Gazda

10/5/2012

Photos

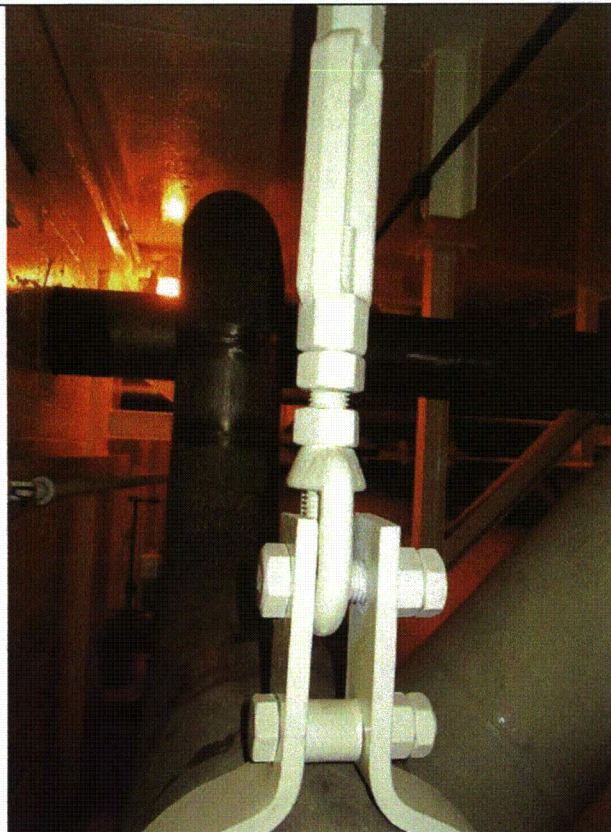
Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1TI-0628

Equipment Class: (19) Temperature Sensors

Equipment Description: SPENT FUEL POOL HEAT EXCH OUTLET TEMP INDICAT



1TI-0628 (NRC QUESTION - RESOLVED) Byron 1 &
2 8-9-12 015



1TI-0628 Byron 1 & 2 8-9-12 014

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA01SB

Equipment Class: (5) Horizontal Pumps

Equipment Description: 1B SX Pp Cub Cooler ESSENTIAL SERVICE WATER PUMP 95-10

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 330.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
Very small cracks in grout pad that do not extend beyond grout surface. Not a structural or seismic issue.
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.) Yes
Drawing M-1218 Revision AA Detail 83
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA01SB

Equipment Class: (5) Horizontal Pumps

Equipment Description: 1B SX Pp Cub Cooler ESSENTIAL SERVICE WATER PUMP 95-10

Interaction Effects

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

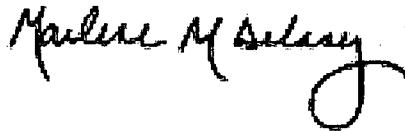
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

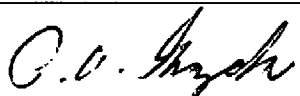
Seismic walkdown team M. Delaney & P. Gazda 8/10/12 am
Unit houses 1VA01E - 1VA01H components

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA01SB

Equipment Class: (5) Horizontal Pumps

Equipment Description: 1B SX Pp Cub Cooler ESSENTIAL SERVICE WATER PUMP 95-10

Photos



1VA01SB Byron 1 & 2 8-10-12 036



1VA01SB Byron 1 & 2 8-10-12 037

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA02SB

Equipment Class: (10) Air Handlers

Equipment Description: 1B RHR PUMP ROOM CUB CLR ASMBLY

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 346.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
Multiple cracks in grout pad that do not extend into base slab. IR 1403145 was written. Grout is for leveling and cosmetic reasons and the cracks are not a concern.
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.) Yes
Drawing M-1219 Sheet 3 Revision AH
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA02SB

Equipment Class: (10) Air Handlers

Equipment Description: 1B RHR PUMP ROOM CUB CLR ASMBLY

Interaction Effects

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

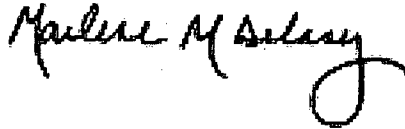
Other Adverse Conditions

- | | |
|--|-----|
| 11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? | Yes |
|--|-----|

Comments

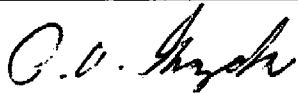
Seismic walkdown team M. Delaney & P. Gazda 8/21/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

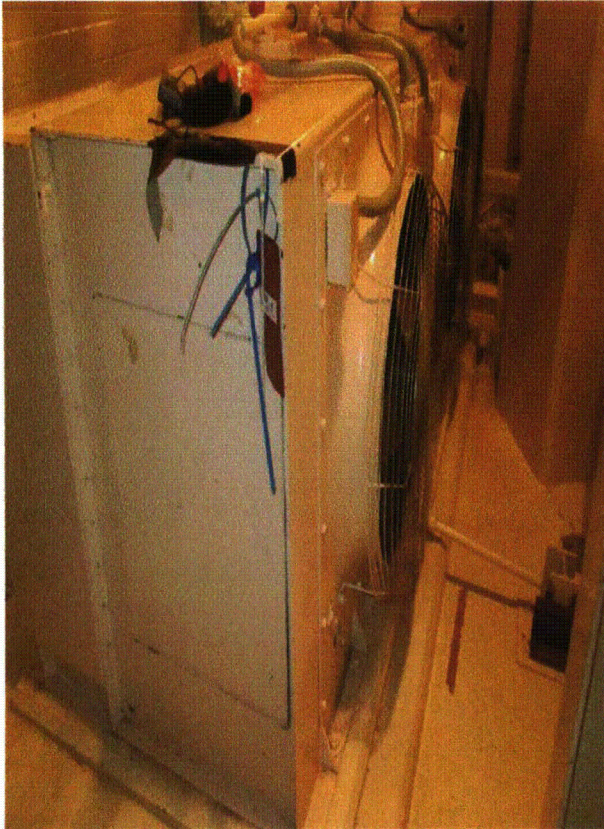
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA02SB

Equipment Class: (10) Air Handlers

Equipment Description: 1B RHR PUMP ROOM CUB CLR ASMBLY

Photos



1VA02SB Byron 1 & 2 8-21-12 037



1VA02SB Byron 1 & 2 8-21-12 038

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA02SB

Equipment Class: (10) Air Handlers

Equipment Description: 1B RHR PUMP ROOM CUB CLR ASMBLY



1VA02SB Byron 1 & 2 8-21-12 039

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA06SA

Equipment Class: (10) Air Handlers

Equipment Description: COOLER,CENTRIFUGAL CHARGING PUMP 1A

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing M-1219 Sheet 3 Revision AH
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA06SA

Equipment Class: (10) Air Handlers

Equipment Description: COOLER,CENTRIFUGAL CHARGING PUMP 1A

Interaction Effects

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

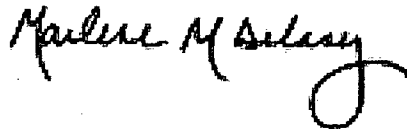
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

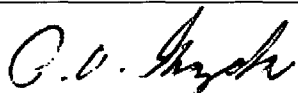
Seismic walkdown team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA06SA

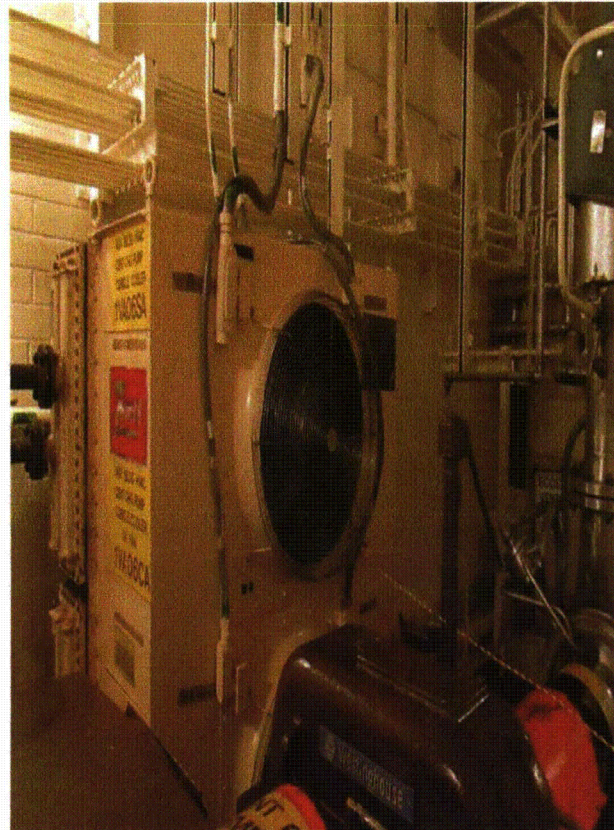
Equipment Class: (10) Air Handlers

Equipment Description: COOLER,CENTRIFUGAL CHARGING PUMP 1A

Photos



1VA06SA Byron 1 & 2 8-20-12 072



1VA06SA Byron 1 & 2 8-20-12 073

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA08CB

Equipment Class: (10) Air Handlers

Equipment Description: 1B DIESEL DRIVEN AF PUMP CUBICLE CLR (1VA08S) 1B FAN

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 383.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable
4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Supported by a large frame mounted to skid and hung from above. No direct anchorage to structure.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA08CB

Equipment Class: (10) Air Handlers

Equipment Description: 1B DIESEL DRIVEN AF PUMP CUBICLE CLR (1VA08S) 1B FAN

Interaction Effects

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

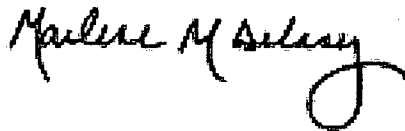
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

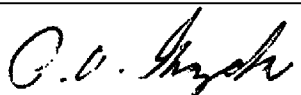
Seismic walkdown team M. Delaney & P. Gazda 8/20/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA08CB

Equipment Class: (10) Air Handlers

Equipment Description: 1B DIESEL DRIVEN AF PUMP CUBICLE CLR (1VA08S) 1B FAN

Photos



1VA08CB Byron 1 & 2 8-20-12 033

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA11J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CENTRIFUGAL CHARGING PCUBICLE COOLER LOCAL CONTROL PANEL

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA11J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CENTRIFUGAL CHARGING PCUBICLE COOLER LOCAL CONTROL PANEL

Interaction Effects

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

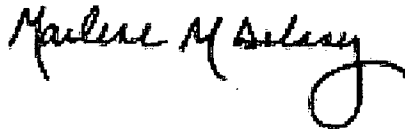
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

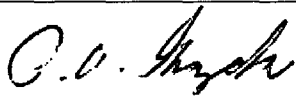
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VA11J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CENTRIFUGAL CHARGING PCUBICLE COOLER LOCAL CONTROL PANEL

Photos

None.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VD01CB

Equipment Class: (9) Fans

Equipment Description: 1B DG ROOM HVAC FAN ASMBLY

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 401.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing M-1222 Sheet 6 Rev K Detail 93
Cannot measure bolt diameter since only the bolt head is visible (No bolt projection)
Width across flat of nut equals approximately 1" which corresponds to a 5/8" bolt per AISC 9th edition 4-142 (1/16" difference is negligible and within measuring tolerances)
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VD01CB

Equipment Class: (9) Fans

Equipment Description: 1B DG ROOM HVAC FAN ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Adjacent permanent scaffold is well-secured and well-supported. Scaffold not labeled as permanent. IR 1398177 written to add tag. Not a structural/seismic issue
9. Do attached lines have adequate flexibility to avoid damage? Yes
10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Yes

Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8-7-12 pm

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VD01CB

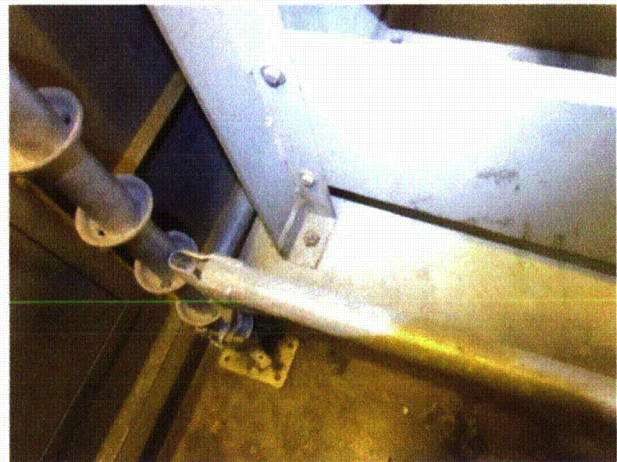
Equipment Class: (9) Fans

Equipment Description: 1B DG ROOM HVAC FAN ASMBLY

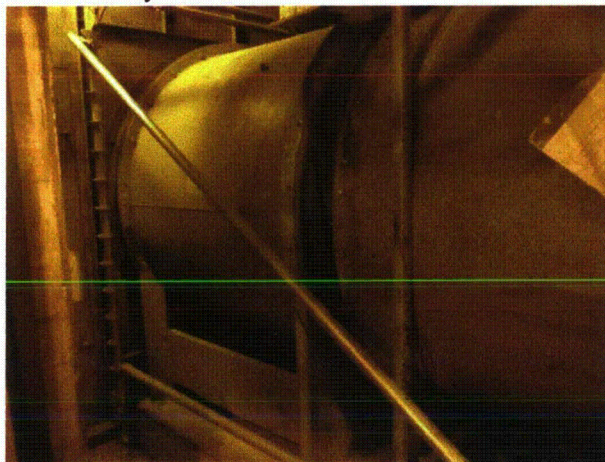
Photos



1VD01CB Byron 1 & 2 200



1VD01CB Byron 1 & 2 201



1VD01CB Byron 1 & 2 203

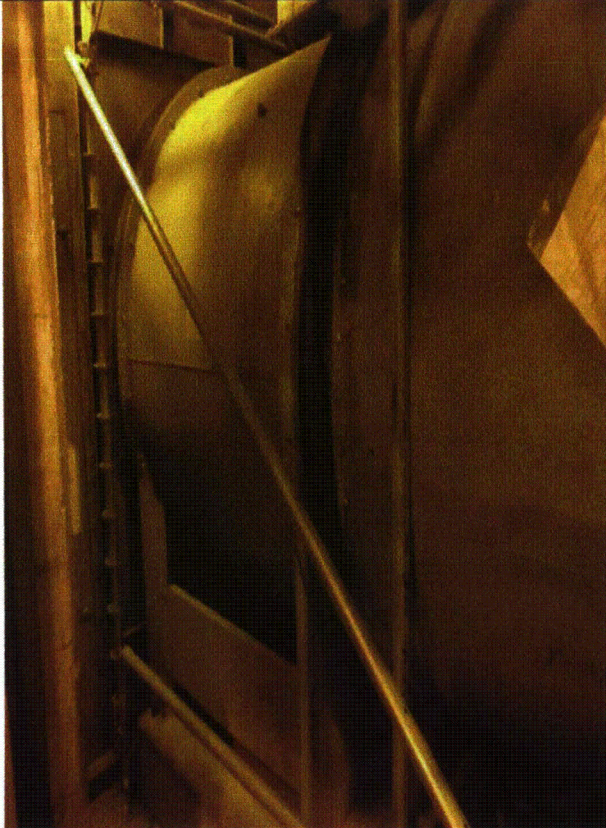
Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VD01CB

Equipment Class: (9) Fans

Equipment Description: 1B DG ROOM HVAC FAN ASMBLY



1VD01CB Byron 1 & 2 203

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VE05C

Equipment Class: (9) Fans

Equipment Description: ASSY - U-1 MISC ELEC EQUIP RM DIV 12 EXH FAN

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 463.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
Fan is anchored at ceiling, well-supported and acceptable.

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VE05C

Equipment Class: (9) Fans

Equipment Description: ASSY - U-1 MISC ELEC EQUIP RM DIV 12 EXH FAN

Interaction Effects

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

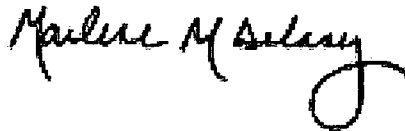
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

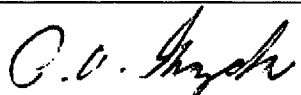
Seismic walkdown team M. Delaney & P. Gazda 8-8-12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

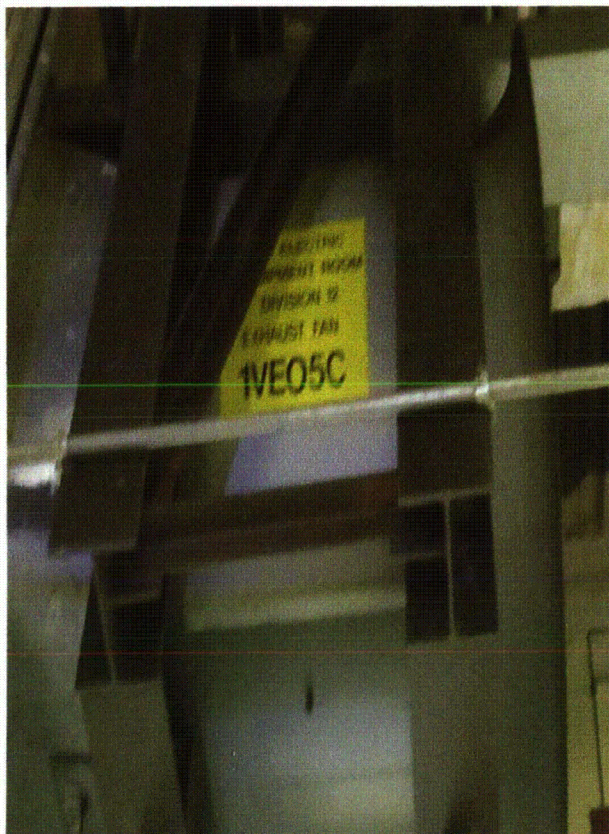
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VE05C

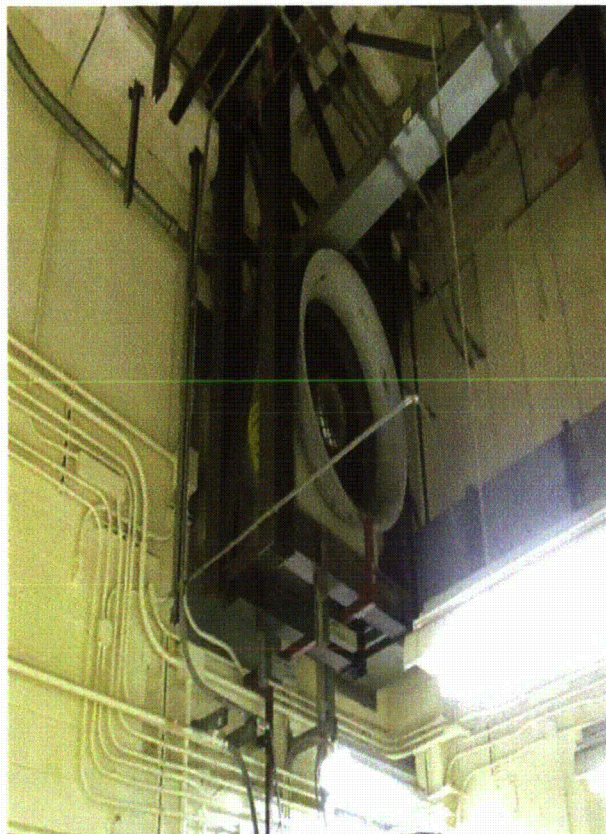
Equipment Class: (9) Fans

Equipment Description: ASSY - U-1 MISC ELEC EQUIP RM DIV 12 EXH FAN

Photos



1VE05C Byron 1 & 2 8-8-12 014



1VE05C Byron 1 & 2 8-8-12 015

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VP01AA

Equipment Class: (10) Air Handlers

Equipment Description: CNMT ESS'L SERVICE WATER COIL 1A (RCFC)

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Cont, 377.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? No
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Not Applicable
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VP01AA

Equipment Class: (10) Air Handlers

Equipment Description: CNMT ESS'L SERVICE WATER COIL 1A (RCFC)

Interaction Effects

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

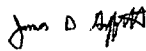
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

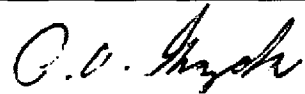
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VP01AA

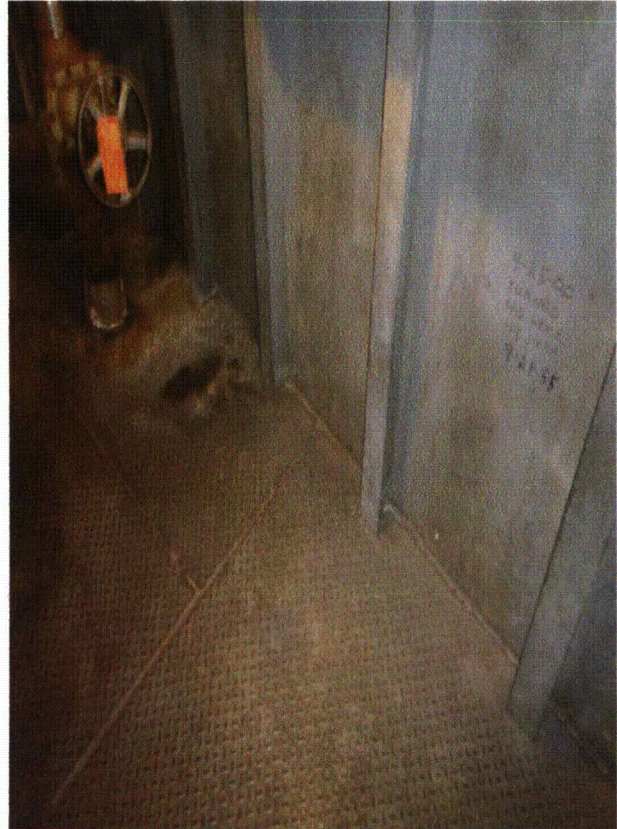
Equipment Class: (10) Air Handlers

Equipment Description: CNMT ESS'L SERVICE WATER COIL 1A (RCFC)

Photos



1VP01AA BYRON 011



1VP01AA BYRON 012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VP01AA

Equipment Class: (10) Air Handlers

Equipment Description: CNMT ESS'L SERVICE WATER COIL 1A (RCFC)



1VP01AA BYRON 013



1VP01AA BYRON 015

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VP01AA

Equipment Class: (10) Air Handlers

Equipment Description: CNMT ESS'L SERVICE WATER COIL 1A (RCFC)



1VP01AA BYRON 014

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VX07J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESF SWGR RM DIV 12 HVAC DMPR START PNL

Project: Byron 1 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 426.00 ft, ALL

Manufacturer/Model:

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 anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Yes
4. Is the anchorage free of visible cracks in the concrete near the anchors? Yes
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.) Yes
Drawing 6E-0-3391H Revision AH
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VX07J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESF SWGR RM DIV 12 HVAC DMPR START PNL

Interaction Effects

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

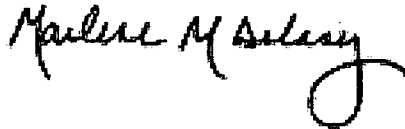
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

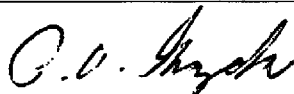
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Status: ☒ Y ☐ N ☐ U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 1VX07J

Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: ESF SWGR RM DIV 12 HVAC DMPR START PNL

Photos

None.

D

Area Walk-By Checklists (AWCs)

Table D-1 provides the building, elevation, and location of each area as well as a list of SWEL items associated with each area, and page numbers of each Area Walk-By Checklist.

Table D-1. Summary of Area Walk-By Checklists

AREA WALK-BY	DESCRIPTION	COMPONENT ID	COMMENTS	PAGE
1	Aux EI 451 Unit 1 and 2 Control Room	1PM05J		D - 5
5	Aux EI 463 Upper Cable Spreading Room (0VC08Y)	0VC08Y		D - 7
6	Aux EI 451 U1 & U2 HV(0VC08Y, 0VC09Y)	0VC09Y		D - 9
8	Aux EI 451 Unit 1 AEER	1PA01J		D - 11
		1PA02J		
		1PA03J		
		1PA04J		
		1PA06J		
		1PA07J		
		1PA08J		
		1PA09J		
		1PA10J		
		1PA12J		
		1PA14J		
		1PA27J		
		1PA28J		
		1PA33J		
		1PA34J		
		1PA51J		
8	Aux EI 451 Unit 1 AEER	1PA52J		D - 11
9	Aux EI 451 Unit 1 and 2 (U1 HV - 0VC01JA, 0VC15J, 0VC02FA)	0VC01JA		D - 13
		0VC15J		
12	RWST U1 and U2 (outside)	1SI01T		D - 15
13	Aux EI 401 MSIV 1B/1C Room	1MS018B		D - 17
14	Aux EI 377 MSIV 1A/1D Room	1PT-0516		D - 19
15	Aux EI 401 MSIV 1A/1D Room	1MS001A		D - 21
		1MS018A		
16	ESWCT EI 377 Unit 1 SX A Cooling Room	1AP93E		D - 23
		1AP99E		
18	ESWCT Alpha Valve Room	0SX162A		D - 25
		0WW019A		
20	ESWCT South Elec Room	1AP92E		D - 27
		1AP98E		
22	ESWCT ROOF	NONE		D - 29
23	Aux EI 401, Diesel Generator 1DG01KB	1DG01KB		D - 31
		1PL08J		
		1SX169B		
		1VD01CB		
26	Aux EI 373, Diesel Oil Storage Tank Room	1DO01TB		D - 33
28	Aux EI 451 U1 MEER Division 1	1DC05E		D - 35
		1DC10J		
		1IP05E		
		1IP07E		
		1RD05E		
29	Aux EI. 451, Battery Room 111	1DC01E		D - 37

AREA WALK-BY	DESCRIPTION	COMPONENT ID	COMMENTS	PAGE
30	Aux EI 451, U1 MEER Division 2	1DC04E		D - 39
		1DC06E		
		1DC11J		
		1IP08E		
		1VE05C		
31	Aux EI 451, Battery Room 112	1DC02E		D - 41
32	Aux EI 426, Div 12 Switchgear Room	1AP06E		D - 43
		1AP12E		
		1AP13E		
		1VX07J		
33	Aux EI 426, U1 4kV Div 1/Div 11 Room	1AP11E		D - 45
36	Aux EI 364 Area 5 (curved wall near MCC)	0FC03PA	SWEL 2	D - 47
		0FC8763	SWEL 2	
		0TI-FC007	SWEL 2	
		1AP21E		
37	Aux EI 364 Centrifugal Charging Pump 1B	1CV01PB		D - 49
		1CV02SB		
		1VA11J		
38	Aux EI 364 & 379 RWST Tunnel	1LT-0932		D - 51
		1SI8804B		
39	Aux EI varies, Area 5 curved wall at penetrations	1CC685		D - 53
		1CV112E		
		1CV8152		
		1FC010	SWEL 2	
		1FC8758	SWEL 2	
		1FC8766	SWEL 2	
		1RY8028		
		1SI8801B		
		1SI8809B		
40	Fuel Handling, EI 426	1TE-0604		
41	FH EI 401 U1 Spent Fuel HX Room	0TIS-0626	SWEL 2	D - 55
		1FC01A	SWEL 2	
		1FC8762A	SWEL 2	
		1FC8762B	SWEL 2	
		1FC8793	SWEL 2	
		1FC8794	SWEL 2	
42	FH EI 401 U1 & U2 Spent Fuel Pump Room	1TI-0628	SWEL 2	D - 57
		0FC8754	SWEL 2	
		1FC01P	SWEL 2	
		1FC8756	SWEL 2	
44	FH EI 401 U1 & U2 Spent Fuel Pump Room	1HS-FC001	SWEL 2	D - 59
		0PI-FC003	SWEL 2	
		1PI-0627	SWEL 2	
45	FH EI 401 Adjacent to truckbay	1PI-0633	SWEL 2	D - 61
46	RSH EI 702, A & B Pump Room	0SX02PB		D - 63
47	RSH EI 702, Diesel Oil Storage Tank Room	0DO08TB		D - 65
48	Aux EI 364 Unit 1 (open area)	1AF005E		D - 67

Table D-1 Page 2 of 3

AREA WALK-BY	DESCRIPTION	COMPONENT ID	COMMENTS	PAGE
50	Aux EI 346, Unit 1 near 1AP38E	1AP38E		D - 69
52	Aux EI 330, B SX Pump Room	1SX005		D - 71
		1SX01FB		
		1SX01PB		
		1VA01SB		
53	Aux EI 426 near Q-12, S-13	1AP27E		D - 73
54	Aux EI 414, Elec Penetration Area	1AP25E		D - 75
57	Aux EI 383 (work with AWC 59)	1AP24E		D - 77
58	Aux EI 383 1B Aux Feed Pump Room	1AF006B		D - 79
		1AF017B		
		1AF01EA-1		
		1AF01EB-A		
		1AF01PB		
		1AF024		
		1DO10T		
		1SX173		
		1VA08CB		
59	Aux EI 383 (See AWC 57)	1AP22E		D - 81
		1FT-0132		
61	Aux EI 364 U1 and U2 open area	0PI-FC005	SWEL 2	D - 83
		1CC01PB		
		1FT-0121		
		1FT-AF014		
62	Aux EI 364, Centrifugal Charging Pump 1A	1VA06SA		D - 85
64	Aux EI 364 1B RH HX Room	1RH607		D - 87
64a	Aux EI 364 MCR Chillers	0WO01CB		D - 89
66	Aux EI 1B RH Pump Room	1RH01PB		D - 91
		1RH01PB-A		
		1VA02SB		
Outage-1	Cont EI 426 near 1RY32MA	1RY32MA		D - 93
Outage-2	Cont EI 451 near 1RY455A	1RY455A		D - 95
Outage-3	Cont EI 412 near 1LT-0518	1LT-0518		D - 97
Outage-4	Cont EI 377 near 1RH8702A	1RH8702A		D - 99
Outage-5	Cont EI 377 near 1VP01AA (inside Plenum)	1VP01AA		D - 101
Outage-6	Cont EI 377 near 1LT-0459	1LT-0459		D - 103
Outage-7	Cont EI 390 near 1TE-RC022A	1TE-RC022A		D - 105

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 01 Aux El 451 Unit 1 and 2 Control Room

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)? Yes

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

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)? Yes

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)? Yes
Calculation 8.11.6.9-BYR03-070 Rev 0 generated for ceiling tiles and determined that they would not fall in a seismic event.
Diffuser panel at Panels 1PM07J and 1PM08J is sagging but it is not a structural/seismic issue since they are lightweight and would have no impact if they fell - IR 1397699 written for repair
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes

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

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 01 Aux EI 451 Unit 1 and 2 Control Room
temporary installations (e.g., scaffolding, lead shielding)?

Locker and cabinets on east wall have adequate standoff distance that there are no seismic interaction issues with safety related equipment. Also the cabinets and locker are on carpeting and would not easily slide due to friction between the carpet and cabinets.

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

There are loose screws on the backs of several control board panels. Most were tightened by the equipment operator as the walkdowns were performed. The following IR addresses screws that were stripped or couldn't be tightened: IR 1399487

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/6/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. P. Gazda

Philip Gazda

10/5/2012

Photos

None

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 05 Aux EI 463 Upper Cable Spreading Room (0VC08Y)

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
Roof drain has Vitaulic couplings but piping is well-supported laterally and vertically and is acceptable.
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 05 Aux EI 463 Upper Cable Spreading Room (0VC08Y)

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

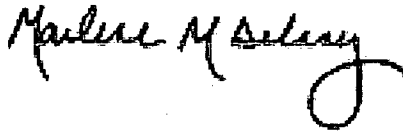
Water damage at hose station is not a structural/seismic issue since it is not near critical components

Bent tray cover (21921BK1B) is not a structural/seismic issue since tray cover does not function as a structural component - purpose is to protect cables

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/6/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 06 Aux EI 451 U1 & U2 HV(0VC09Y)

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment</i> | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 06 Aux EI 451 U1 & U2 HV(0VC09Y)

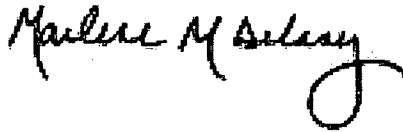
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?
Water on floor due to leak above and drain line condensation. Not a structural/seismic issue since not near critical components - acceptable.

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/6/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 08 Aux EI 451 Unit 1 AEER

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)?
<i>See discussion in Section 5 of report to address cove molding at anchorage detail. Anchorage is judged to be acceptable.</i> | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Numerous partially open S-hooks identified. It is unlikely that the lights would become disengaged since the hooks are only partially open and not all hooks are open - judged acceptable. IR 1397693 written.</i>

<i>Masonry walls are seismic and would not collapse on equipment.</i> | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 08 Aux EI 451 Unit 1 AEER

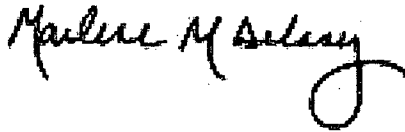
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

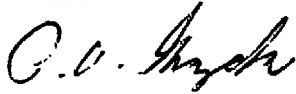
Seismic walkdown team M. Delaney & P. Gazda 8/6/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Area Walk-by 09 Aux EI 451 Unit 1 and 2 (U1 HV - 0VC01JA,
Location (Bldg, Elev, Room/Area): 0VC15J, 0VC02FA)

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)? | Yes |
|
 | | |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
|
 | | |
| 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)? | Yes |
|
 | | |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment</i> | Yes |
|
 | | |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?
<i>Fire protection piping is well-supported. Fire protection valve 0FP332 valve is leaking but is not near critical components so not an immediate concern. IR1397710 was written to repair.</i>

<i>Roof drain line with Victaulic couplings enters room and drops down and up (similar to a U shape) and exits room. Line could swing from side to side resulting in leaking at the top couplings however the equipment below is partially sealed with closed entry points and tops so no water damage could occur. IR 1397711 was written.</i> | Yes |
|
 | | |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
-

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Area Walk-by 09 Aux EI 451 Unit 1 and 2 (U1 HV - 0VC01JA,
Location (Bldg, Elev, Room/Area): 0VC15J, 0VC02FA)

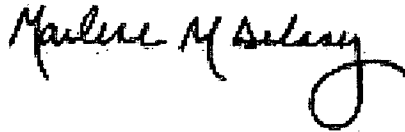
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes

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

Comments

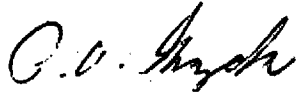
Seismic walkdown team M. Delaney & P. Gazda 8/6/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 12 RWST U1 and U2 (outside)

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

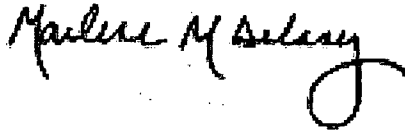
Location (Bldg, Elev, Room/Area): Area Walk-by 12 RWST U1 and U2 (outside)

- | | | |
|----|--|-----|
| 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)?
<i>Two very large scaffolds adjacent to tanks are well-braced and anchored - acceptable.</i>
<i>Equipment carts near tanks have wheels chocked - not credible considering tank configuration (large reinforced concrete tank)</i> | Yes |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?
<i>Minor concrete spalling/cracking - no structural/seismic impact.</i> | Yes |

Comments

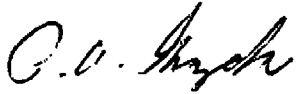
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 13 Aux EI 401 MSIV 1B/1C Room

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 13 Aux EI 401 MSIV 1B/1C Room

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)? Yes

Loose handrail tied off with rope in accordance with Byron Seismic Housekeeping Procedure

Permanent scaffolds in area is well-supported and tied off in accordance with Exelon Scaffold Procedure

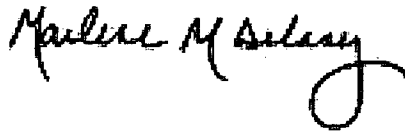
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Degradation at ceiling at containment wall. The joints in question are made up of some sort of compressible/flexible material. Since the containment structure is a standalone structure and is analyzed and designed that way there is a gap between it and an adjacent structure (like the MSIV rooms). The gap is sized to allow seismic movements of each structure and is filled with the flexible material. The material is only there to close the opening and has no structural or seismic significance.

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 14 Aux EI 377 MSIV 1A/1D Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 14 Aux EI 377 MSIV 1A/1D Room

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?
NRC identified broken FME cover. IR 1398194 written. Not a structural/seismic issue.

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 15 Aux EI 401 MSIV 1A/1D Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 15 Aux EI 401 MSIV 1A/1D Room

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)? Yes

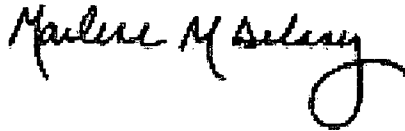
Permanent scaffolds well-supported and tied off in accordance with Exelon Scaffold Procedure

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes
Floor seal at containment is degraded. IR 1398191 written. Not a structural/seismic issue since the joint is not a barrier and does serve a structural function.

Comments

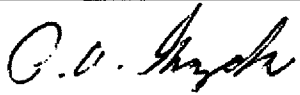
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 16 ESWCT EI 377 Unit 1 SX A Cooling Room (

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 16 ESWCT EI 377 Unit 1 SX A Cooling Room (

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)? Yes

Partially open S-hooks in room. Unlikely that lights would disengage since the hooks are only slightly open and not all hooks are open. Therefore acceptable. IR 1398127 written to close.

Operation HVS gear cabinet on west wall has adequate standoff distance in accordance with Byron Seismic Housekeeping Procedure.

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

Hairline diagonal cracks on east and south wall and at door frame on west wall (upper corner). Cracks are small and therefore judged not to be a structural/seismic issue (noted for NP-6695).

Paint peeling on south wall - not a structural/seismic issue

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 18 ESWCT Alpha Valve Room

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 18 ESWCT Alpha Valve Room

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

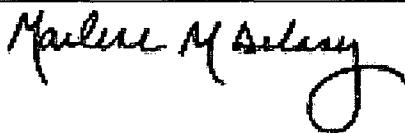
Yes

Hairline vertical crack on west wall. Judged not to be a structural/seismic issue since the crack is small.

Comments

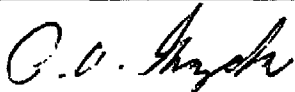
Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 20, ESWCT South Elec Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
S-hooks appear closed from floor. IR 1398127 written as an extent of condition to check all S-hooks in ESWCT.
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 20, ESWCT South Elec Room

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)? Yes

Storage box at south wall more than 12" away from transformer in accordance with Byron Seismic Housekeeping Procedure

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

Water leaking at north wall (not active leak), numerous small cracks in concrete - judged not to be a structural/seismic issue.

Missing bolt at 1AP98E top panel - adequate bolts in place - judged not a structural/seismic issue

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/7/12 am

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/5/2012

P. P. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 22 ESWCT roof

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)?
<i>Eight SX Cooling Tower Motors are well-anchored. No other components in area.</i> | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 22 ESWCT roof

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes
Small cracks in concrete - judged not to be a structural/seismic issue due to the small size

No overhead components and no seismic spatial interaction issues.

Comments

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 23, Aux EI 401, Diesel Generator 1DG01KB

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 23, Aux EI 401, Diesel Generator 1DG01KB

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

Yes

Comments

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 26, Aux EI 373, Diesel Oil Storage Tank Room

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)? | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions?
<i>Crack in grout pad for 1DO01TD that does not extend into the base slab. See SWC for 1DO01TB and IR 1398190. Hairline crack is acceptable.</i> | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 26, Aux EI 373, Diesel Oil Storage Tank Room

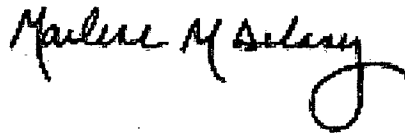
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/7/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 28, Aux EI 451 U1 MEER Division 1

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
2 cable risers open but secured with grips - acceptable
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)? Yes
Masonry walls are seismic and would not collapse on equipment
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
Roof drain piping in room has Victaulic couplings but piping is vertically and laterally well-supported.
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 28, Aux EI 451 U1 MEER Division 1

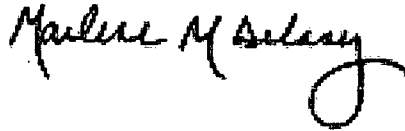
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments


Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 29, Aux El. 451, Battery Room 111

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)? | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and could not collapse on equipment.</i>

<i>S hooks appear closed but many are not visible. IR 1399377 written to address extent of condition and follow-up S-hook inspection</i> | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 29, Aux El. 451, Battery Room 111

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

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. C. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 30, Aux EI 451, U1 MEER Division 2

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)? | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment</i> | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 30, Aux EI 451, U1 MEER Division 2

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

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 31, Aux EI 451, Battery Room 112

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
S hooks appear closed but many are not visible. IR 1399380 written to address extent of condition and follow-up S-hook inspection
Masonry walls are seismic and would not collapse on equipment
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 31, Aux EI 451, Battery Room 112

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

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/5/2012

P. C. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 32, Aux EI 426, Div 12 Switchgear Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
*Masonry walls are seismic and would not collapse on equipment.
Open S-hooks addressed in IR 1398568. S-hooks are only partially open and it is unlikely the lights would disengage - acceptable.*
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 32, Aux EI 426, Div 12 Switchgear Room

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)? Yes

Operations bench is away from components in accordance with Byron Seismic Housekeeping Procedure

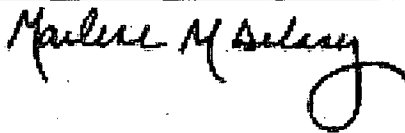
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Minor cracking in fire protection at column - not a structural/seismic issue since the cracks are small

Comments

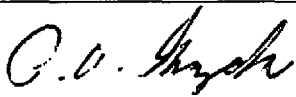
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 33, Aux EI 426, U1 4kV Div 1/Div 11 Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
Masonry walls are seismic and would not collapse on equipment.
Open S-hooks. IR 1398568 was written. S-hooks not a concern since openings are not large enough for chains to fall out but should be closed.
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 33, Aux EI 426, U1 4kV Div 1/Div 11 Room

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)? Yes

Spare breaker in breaker storage area - in accordance with Byron Seismic Housekeeping Procedure.

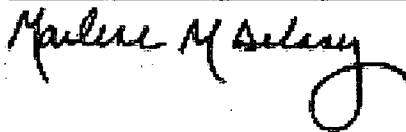
Ops bench far enough away from equipment (>12") - not an issue in accordance with Byron Seismic Housekeeping Procedure.

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

Shrinkage cracks in floor and wall - not a structural/seismic issue.

Comments

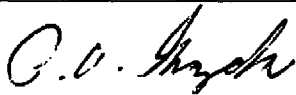
Seismic walkdown team M. Delaney & P. Gazda 8/8/12 am



Evaluated by:

Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 36, Aux El 364 Area 5 (curved wall near MCC)

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 36, Aux El 364 Area 5 (curved wall near MCC)

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

Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 37, Aux EI 364 Centrifugal Charging Pump 1B

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 37, Aux EI 364 Centrifugal Charging Pump 1B

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

Yes

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/8/12 pm

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. C. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 38, Aux EI 364 & 379 RWST Tunnel

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 38, Aux EI 364 & 379 RWST Tunnel

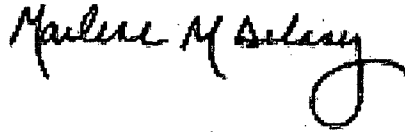
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

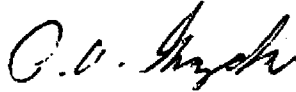
Seismic Walkdown Team 8/8/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 39, Aux El varies, Area 5 curved wall at penetrations

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

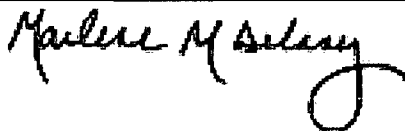
Location (Bldg, Elev, Room/Area): Area Walk-by 39, Aux EI varies, Area 5 curved wall at penetrations

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes
*Boric Accumulation identified by operator - not an active leak. IR 1398667.
Not a structural/seismic issue*

Comments

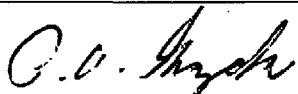
Seismic Walkdown Team M. Delaney & P. Gazda 8/8/12 pm and 8/21/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 40, Fuel Handling, EI 426

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |
-

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 40, Fuel Handling, EI 426

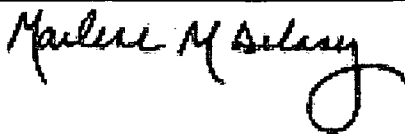
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

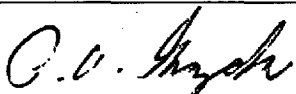
Seismic Walkdown Team M. Delaney & P. Gazda 8/9/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 41, FH EI 401 U1 Spent Fuel HX Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment. Removable seismic blocks walls secured by grating. Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 41, FH EI 401 U1 Spent Fuel HX Room

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

NRC questioned if the first support from Valve 1FC8762 was acceptable since the top bolt of the double clamp was a bolt while other supports in the area were pins. Support matches design drawing and is acceptable.

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/9/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 42, FH EI 401 U1 & U2 Spent Fuel Pump Room

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment.</i> | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?
<i>Sight glasses are protected with no potential impact from overhead components</i> | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 42, FH EI 401 U1 & U2 Spent Fuel Pump Room

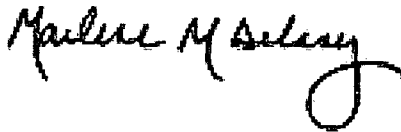
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments


Seismic Walkdown Team M. Delaney & P. Gazda 8/9/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 44, FH EI 401 Adjacent to trackway

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment. Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 44, FH EI 401 Adjacent to trackway

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)? Yes

Cabinets orientated correctly to avoid impacting instruments with wheels chocked

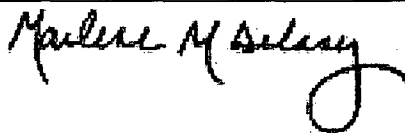
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Water in trackway identified by NRC. Site FME Coordinator contacted and it was determined that this was not an issue. IR 1399113

Comments

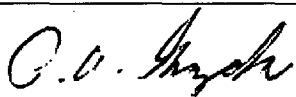
Seismic Walkdown Team M. Delaney & P. Gazda 8/9/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 45, RSH EI 702, A & B Pump Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes

Numerous partially open S-hooks identified. It is unlikely that the lights would become disengaged since the hooks are only partially open and not all hooks are open and the lights are not directly over the equipment - judged acceptable. IR 1399104 written to inspect and close S-hooks.
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 45, RSH EI 702, A & B Pump Room

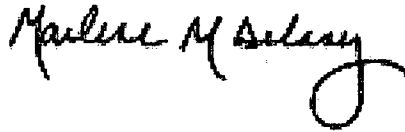
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

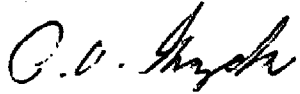
Seismic Walkdown Team M. Delaney & P. Gazda 8/9/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 46, RSH EI 702, Diesel Oil Storage Tank Room

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)?
<i>Only one component in room</i> | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 46, RSH EI 702, Diesel Oil Storage Tank Room

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

Yes

Comments

Evaluated by: Marlene M Delaney Marlene Delaney Date: 10/5/2012
P.O. Gazda Philip Gazda 10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 47, Aux EI 364 Unit 1 (open area)

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
Adjacent valves have adequate clearance: 2AF005F to 2AF005H 2" clearance, 2AF005F to Unistrut 1 1/4" - valves are supported with lateral movement limited and therefore are acceptable
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 47, Aux EI 364 Unit 1 (open area)

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

Yes

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/10/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. P. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 50, Aux EI 346, Unit 1 near 1AP38E

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 50, Aux EI 346, Unit 1 near 1AP38E

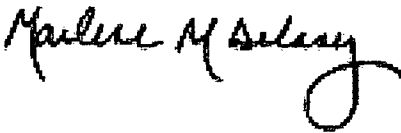
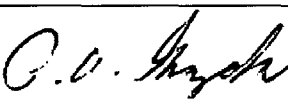
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes

Scaffolding adequately braced, connected floor and ceiling in accordance with Exelon Scaffolding Procedure

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

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/10/12 am

Evaluated by:  Marlene Delaney Date: 10/5/2012
 Philip Gazda 10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 52, Aux EI 330, B SX Pump Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 52, Aux El 330, B SX Pump Room

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)? Yes
Ladders stored on sides and not near equipment in accordance with Byron Seismic Housekeeping Procedure

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

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/10/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 53, Aux EI 426 near Q-12, S-13

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

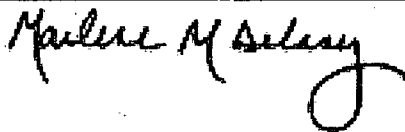
Location (Bldg, Elev, Room/Area): Area Walk-by 53, Aux EI 426 near Q-12, S-13

- | | | |
|----|--|-----|
| 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)?
<i>Numerous scaffolds in area. Scaffold at Col Q11 is braced and tied off so it would not impact adjacent valves. Scaffold at Col S13 is very large and close to non-safety panels. Discussed with Ops and scaffold constructor and is acceptable - in accordance with Exelon Scaffolding Procedure
Extra handrails are tied off and secured, and ladders in ladder storage area in accordance with Byron Seismic Housekeeping Procedure</i> | Yes |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

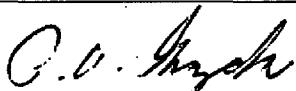
Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 54, Aux EI 414, Elec Penetration Area

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 54, Aux EI 414, Elec Penetration Area

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)? Yes

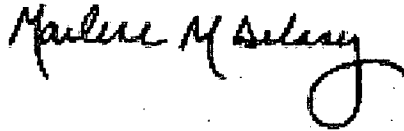
Scaffolding near 1RY01EA is well-constructed, tied off in accordance with Exelon Scaffolding Procedure

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

Comments

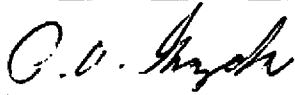
Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 57, Aux EI 383 (work with AWC 59)

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

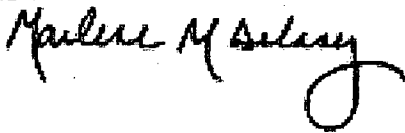
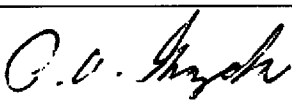
Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 57, Aux EI 383 (work with AWC 59)

- | | | |
|----|--|-----|
| 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)?
<i>Scaffold parts stored in storage area, construction equipment is well-secured, extra handrails are tied off, and extra Breaker moved to be 12" from bus - all in accordance with Byron Seismic Housekeeping Procedure
Permanent scaffold is well-constructed and tied off in accordance with Exelon Scaffolding Procedure</i> | Yes |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 am

Evaluated by:	 _____ Marlene Delaney	Date: 10/5/2012
	 _____ Philip Gazda	10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 58, Aux EI 383 1B Aux Feed Pump Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
- Fuel level indicator for 1AF01PB: 1LI-AF8000 is well-supported and protected,
Day Tank Level Sight Glass: 1LI-D0032 is well-supported and protected - no
structural/seismic issues*

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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 58, Aux EI 383 1B Aux Feed Pump Room

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

Yes

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 am
Includes adjacent room for 1DO10T

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/5/2012

P. V. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 59, Aux EI 383 (See AWC 57)

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 59, Aux EI 383 (See AWC 57)

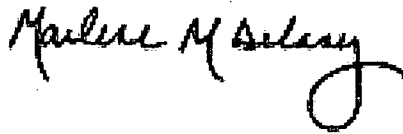
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 61, Aux EI 364 U1 and U2 open area

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment</i> | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 61, Aux EI 364 U1 and U2 open area

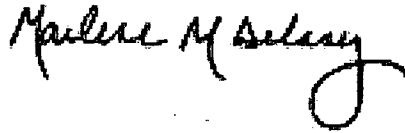
7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
Construction equipment is staged away from components and ladder chained in accordance with Byron Seismic Housekeeping Procedure

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

Comments

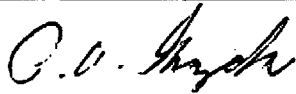
Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 62, Aux EI 364, Centrifugal Charging Pump 1A

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

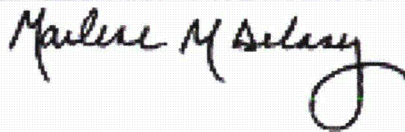
Location (Bldg, Elev, Room/Area): Area Walk-by 62, Aux EI 364, Centrifugal Charging Pump 1A

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

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 64, Aux EI 364 1B RH HX Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

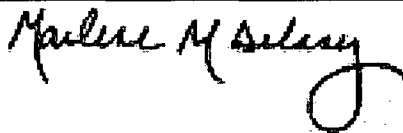
Location (Bldg, Elev, Room/Area): Area Walk-by 64, Aux EI 364 1B RH HX Room

- | | | |
|------|--|-----|
| 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)?
<i>Scaffolding tied off and not close to equipment in accordance with Exelon Scaffolding Procedure</i> | Yes |
|
 | | |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 64a, Aux EI 364 MCR Chillers

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)?
<i>Masonry walls are seismic and would not collapse on equipment</i> | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
| 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)? | Yes |

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 64a, Aux EI 364 MCR Chillers

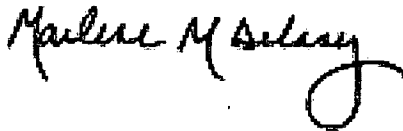
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

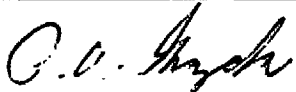
Seismic Walkdown Team M. Delaney & P. Gazda 8/20/12 pm

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 66, Aux EI 1B RH Pump Room

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)?
Masonry walls are seismic and would not collapse on equipment Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
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)? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by 66, Aux EI 1B RH Pump Room

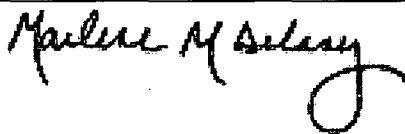
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

Comments

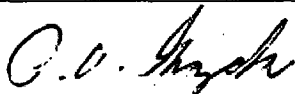
Seismic Walkdown Team M. Delaney & P. Gazda 8/21/12 am

Evaluated by:



Marlene Delaney

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-1 - Cont - EL 426 - near 1RY32MA

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Bagged material for outage judged to be acceptable in accordance with the Byron Seismic Housekeeping Procedure

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-1 - Cont - EL 426 - near 1RY32MA

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)? Yes
Scaffolds adequately restrained and scaffold material adequately stored in accordance with Exelon Scaffolding Procedure
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:

James D. Griffith

James Griffith

Date: 10/5/2012

P. O. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-2 - Cont - EL 451 - near 1RY455A

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)? Yes

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

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)? Yes

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)? Yes
Auxiliary steel members for pipe supports associated with the pipe containing valve 1RY455A are in contact with/close to the valve. All items are adequately-restrained and move together. Judged to be acceptable.

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

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

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

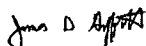
Location (Bldg, Elev, Room/Area): Area Walk-by Outage-2 - Cont - EL 451 - near 1RY455A

- | | |
|---|-----|
| 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)?
<i>Scaffolds adequately restrained in accordance with Exelon Scaffolding Procedure</i> | Yes |
|
 | |
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

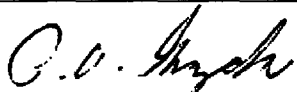
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-3 - Cont - EL 412 - near 1LT-0518

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
Lead shielding on pipes is adequately restrained in accordance with Byron Seismic Housekeeping Procedure.
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
Welded drain line is well-supported and judged to be acceptable.
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

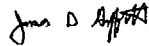
Location (Bldg, Elev, Room/Area): Area Walk-by Outage-3 - Cont - EL 412 - near 1LT-0518

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)? Yes
Tables with outage equipment are near robust items and are judged to be acceptable per Byron Seismic Housekeeping Procedure.
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

Comments

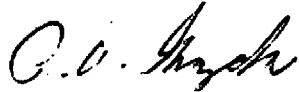
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-4 - Cont - EL 377 - near 1RH8702A

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
*Gauges are near pipe. Pipe is adequately restrained in 3 directions.
Interaction during a seismic event judged to not be credible.*
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-4 - Cont - EL 377 - near 1RH8702A

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)? Yes

Scaffolds are adequately restrained in accordance with Exelon Scaffolding Procedure

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

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:

James D. Griffith

James Griffith

Date: 10/5/2012

P. A. Gazda

Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Area Walk-by Outage-5 - Cont - EL 377 - near 1VP01AA (inside

Location (Bldg, Elev, Room/Area): Plenum)

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)? | Yes |
| 2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? | Yes |
| 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)? | Yes |
| 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)? | Yes |
| 5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? | Yes |
| 6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? | Yes |
-

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Area Walk-by Outage-5 - Cont - EL 377 - near 1VP01AA (inside

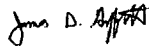
Location (Bldg, Elev, Room/Area): Plenum)

-
- | | | |
|-------|---|-----|
| 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)?
<i>Outage material (ladders, etc.) is adequately stored in accordance with Byron Seismic Housekeeping Procedure</i> | Yes |
| <hr/> | | |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |
-

Comments

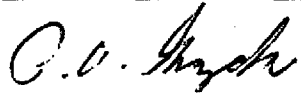
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-6 - Cont - EL 377 - near 1LT-0459

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
Auxiliary support steel located near insulated pipe. Insulation is flexible so it is not likely that the impact from the auxiliary support steel during a seismic event would damage the pipe. Judged to be acceptable.
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

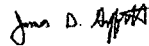
Location (Bldg, Elev, Room/Area): Area Walk-by Outage-6 - Cont - EL 377 - near 1LT-0459

- | | |
|--|-----|
| 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)?
<i>Scaffold and lead shielding are adequately restrained in accordance with Exelon Scaffolding Procedure and Byron Seismic Housekeeping Procedure respectively.</i> | Yes |
| 8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? | Yes |

Comments

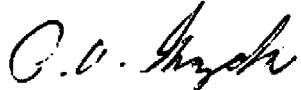
Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-7 - Cont - EL 390 - near 1TE-RC022A

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)? Yes
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
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)? Yes
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)? Yes
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

Status: ☒ Y ☐ N ☐ U

Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area Walk-by Outage-7 - Cont - EL 390 - near 1TE-RC022A

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)? Yes

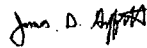
Scaffolds are adequately restrained in accordance with Exelon Scaffolding Procedure

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

Comments

Seismic Walkdown Team: P. Gazda & J. Griffith - 9/19/2012

Evaluated by:



James Griffith

Date: 10/5/2012



Philip Gazda

10/5/2012

Photos

None.

E Plan for Future Seismic Walkdown of Inaccessible Equipment

Certain cabinets require supplemental internal inspection for other adverse seismic conditions as summarized in Table E-2. Supplemental internal inspections of these cabinets are required due to clarifications provided by the NRC after the online seismic walkdowns were completed. These supplemental inspections will be completed during a unit outage or time when the equipment is accessible, as appropriate.

Table E-1 not used.

Table E-2. Deferred Internal Cabinet Inspection

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1AP21E	480V AUX BLDG ESF MCC 131X1 XFORMER	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP22E	480V AUX BLDG ESF MCC 131X3 ASMBLY	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP24E	EQ 480 V AUX BLDG ESF MCC 132X3 ASMBLY	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP25E	ASSY - 480V AUX BLDG ESF MCC 131X2	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP27E	EQ 480V AUX BLDG MCC 132X2 ASMBLY	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP38E	ASSY - 480V AUX BLDG MCC 133X1A	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP92E	ASSY - 480V SXCT MCC 132Z1, SOUTH ELEC RM	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP93E	ASSY - 480V SXCT MCC 131Z1, NORTH ELEC RM	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP98E	ASSY - 480V ESF SXCT UNIT SUBSTA 132Z, SOUTH ELEC RM	(01) Motor Control Centers	YES		Spring 2013	1425389	

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1AP99E	ASSY - 480V ESF SXCT UNIT SUBSTA 131Z, NORTH ELEC RM	(01) Motor Control Centers	YES		Spring 2013	1425389	
1AP12E	ASSY - 480V ESF SWGR 132X	(02) Low Voltage Switchgear	YES		Completed during Bus Outage in B1R18	N/A	No adverse seismic conditions
1AP06E	4160 VOLT ESF SWITCH BUS 142	(03) Medium Voltage Switchgear	YES		Completed during Bus Outage in B1R18	N/A	No adverse seismic conditions
1AP11E	EQ 480V ESF UNIT SUB 131X TRANSFORMER 1AP086	(04) Transformers	NO	See Note 1 below.			
1AP13E	480V ESF UNIT SUBSTA 132X XFMR	(04) Transformers	YES		Completed during Bus Outage in B1R18		No adverse seismic conditions
1DC10J	125V DC FUSE PANEL - DIV. 11	(14) Distribution Panels	YES	Rear Panel is Not Removable	Spring 2013	1425391	
1DC11J	125V DC FUSE PANEL - DIV. 12	(14) Distribution Panels	YES	Rear Panel is Not Removable	Spring 2013	1425391	

Table E-2 Page 2 of 7

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1DC04E	125V DC BATT CHGR 112	(16) Battery Chargers and Inverters	YES	From Front only rear panel bolted on, requires extensive disassembly.	Spring 2013	1425391	
1IP05E	INVERTER INST BUS 111 1-3371 AB1	(16) Battery Chargers and Inverters	YES	From Front only rear panel bolted on, requires extensive disassembly.	Spring 2013	1425391	
1IP07E	INVERTER INST BUS 113 1-3371 AB1	(16) Battery Chargers and Inverters	YES	From Front only rear panel bolted on, requires extensive disassembly.	Spring 2013	1425391	
1IP08E	INVERTER INST BUS 114 1-3371 AB1	(16) Battery Chargers and Inverters	YES	From Front only rear panel bolted on, requires extensive disassembly.	Spring 2013	1425391	
OVC01JA	CONT RM HVAC LOCAL CONT PAN ASMBLY	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	

Table E-2 Page 3 of 7

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
0VC15J	MCR U-1 HVAC START PNL	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA01J	U-1 PROC I&C RACK PROTECT CH 1 CAB 1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA02J	U-1 PROC I&C RACK PROTECT CH 2 CAB 2	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA03J	U-1 PROC I&C RACK PROTECT CH 3 CAB 3	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA04J	U-1 PROC I&C RACK PROTECT CH 4 CAB 4	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA06J	U-1 PROC I&C RACK CONT GRP 2 CAB 6	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	

Table E-2 Page 4 of 7

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1PA07J	PROC I&C RACK CONT GRP 3 CAB 7	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA08J	U-1 PROC I&C RACK	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA09J	CAB PROT SYST SOL ST RX/ESF TRN A 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA10J	CAB PROT SYST SOL ST RX/ESF TRN B 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA12J	CAB TEST SAFEGUARD TRN B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA14J	CAB ESF SEQ/ACT TRN B 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	

Table E-2 Page 5 of 7

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1PA27J	CAB RELAY AUX SAFEGUARD TRN A 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA28J	CAB RELAY AUX SAFEGUARD TRN B 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA33J	CAB CONT SYSTEM ESF 11 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA34J	CAB CONT SYSTEM ESF 12 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA51J	CAB HJTC RX VESSEL LEVEL CH A 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PA52J	CAB HJTC RX VESSEL LEVEL CH B 0-3371B AB1	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	

Table E-2 Page 6 of 7

COMPONENT ID	DESCRIPTION	EQUIPMENT CLASS	ACCESSIBLE (Y/N)	IF NOT ACCESSIBLE, WHY?	MILESTONE COMPLETION	TRACKING NUMBER (IR No.)	STATUS / INSPECTION RESULTS
1PL08J	1B DG CONTROL PANEL	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1PM05J	MAIN CONTROL BOARD	(20) Instrumentation and Control Panels and Cabinets	YES		8/6/2012	N/A	NO OTHER ADVERSE SEISMIC CONDITIONS
1RD05E	REACTOR TRIP SWITCHGEAR	(20) Instrumentation and Control Panels and Cabinets	YES		Completed during B1R18 Refueling Outage	N/A	No adverse seismic conditions
1VA11J	CENTRIFUGAL CHARGING PCUBICLE COOLER LOCAL CONTROL PANEL	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1VX07J	ESF SWGR RM DIV 12 HVAC DMPR START PNL	(20) Instrumentation and Control Panels and Cabinets	YES		Spring 2013	1425391	
1HS-FC001	SPENT FUEL PIT PUMP C/S Box on wall	(18) Instrument Racks	YES		Spring 2013	1425391	

Note 1 - Unit Sub-Station Transformer panel anchorages are external welds, and Instrument Power CVTs are externally bolted to the floor. As such only an external inspection was performed during the Seismic Walk Down. For each component type internal inspection requires removal of bolted covers. The transformers do not have hinged doors or panel covers with handles, latches or thumb screws that provide access to view the internal assembly. Extensive disassembly is required to perform an internal inspection. After reviewing the FAQ 4.20 Rev. 2 dated September 25, 2012 on this question Byron will not perform internal inspection of Unit Sub-Station Transformers or Instrument Power CVTs.

F

Peer Review Report

This appendix includes the Peer Review Team's report, including the signed Peer Review Checklist for SWEL from Appendix F of the EPRI guidance document. (Ref. 1)

Peer Review Report
For
Near Term Task Force (NTTF) Recommendation 2.3
Seismic Walkdown Inspection
of
Byron Nuclear Station Unit 1


October 15, 2012

Prepared by Peer Reviewers

Walter Djordjevic (Team Leader)

Todd A. Bacon

Tribhawan K. Ram

Walter Djordjevic 	10/15/2012
Peer Review Team Leader Certification Signature	Date

1 Introduction

This report documents the independent peer review for the Near Term Task Force (NTTF) Recommendation 2.3 Seismic Walkdowns performed by Stevenson & Associates (S&A) for Unit 1 of Byron Nuclear Station (Byron). The peer review addresses the following activities:

- Review of the selection of the structures, systems, and components, (SSCs) that are included in the Seismic Walkdown Equipment List (SWEL)
- Observation of seismic walkdown on August 6, 2012 by Peer Review Team Leader, Mr. Walter Djordjevic
- Review of a sample of the checklists prepared for the Seismic Walkdowns & Walk-Bys
- Review of any licensing basis evaluations
- Review of the decisions for entering the potentially adverse conditions in to the plant's Corrective Action Plan (CAP)
- Review of the final submittal report

The peer reviewers for Byron, Unit 1, are Messrs. Walter Djordjevic, Todd A. Bacon, and Tribhawan K. Ram, all of S&A. Mr. Djordjevic is designated the Peer Review Team Leader and has participated in all aspects of the peer review. None of the aforementioned engineers is involved in the seismic walkdown inspection process so that they can maintain their independence from the project. Mr. Djordjevic is an advanced degree structural engineer, has over thirty years of nuclear seismic experience and has received Seismic Capability Engineer (EPRI SQUG training), EPRI IPEEE Add-on, Seismic Fragility and Seismic Walkdown Engineer (SWE) training. Mr. Bacon is a civil-structural engineer with 25 years of nuclear engineering experience and received the Seismic Walkdown Engineer (SWE) training. Mr. Ram is an advanced degree nuclear engineer with over 25 years of nuclear power plant experience. Mr. Djordjevic led the seismic peer review activities and Mr. Ram led the SWEL selection peer review. Mr. Djordjevic, as Peer Review Team Leader, has participated in all phases of the peer review process for Byron, Unit 1.

The SWEL development was performed by Mr. Kim L. Hull of S&A. No findings were cited. The SWEL peer review process and observations by the peer reviewers are found in Section 2. The completed SWEL Peer Review Checklist is found in Attachment 2.

The peer review of the seismic walkdown inspection started on August 6, 2012 with a peer review of the actual walkdowns for both Units 1 and 2. Mr. Djordjevic joined the walkdown team for a portion of the day's planned walkdowns to observe the conduct of walkdowns and adherence to the Seismic Walkdown Guidance (SWG)¹. The SWE walkdown inspection team engineers were Mr. Philip A. Gazda and Ms. Marlene M. Delaney for both units. An interview was conducted by Messrs. W. Djordjevic and T. Bacon with the SWE inspection team on September 7, 2012 after review of a sample of the Unit 1 Seismic Walkdown Checklists (SWC)

¹ Seismic Walkdown Guidance For Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic, EPRI Report 1025286, June 2012.

and Area Walk-By Checklists (AWCs) to ascertain the quality and procedural compliance with the SWG. The discussion of the sample SWCs and AWCs is provided in Section 3.

No issues were identified which challenged the current licensing basis.

2 Peer Review - Selection of SSCs

2.1 Purpose

The purpose of this section is to describe the process that was used to perform the peer review of the selected structures, systems, and components, (SSCs) that were included in the Seismic Walkdown Equipment List (SWEL).

This section documents the Peer Review – Selection of SSCs performed for Byron Unit 1

2.2 Peer Review Activity – Selection of SSCs

The guidance in EPRI Technical Report 1025286, *Seismic Walkdown Guidance for Resolution of Fukushima Near-Term Task Force Recommendation 2.3: Seismic*, dated June 2012 {SWG}, Section 3: Selection of SSCs was used as the basis for this review.

This peer review was based on reviews of the following documents:

- 1) UFSAR chapters 3, 5, 6, 7, 8, and 9
- 2) Success Path Equipment List (SPEL)
- 3) P&ID M-63 for Spent Fuel Pool Cooling System

This peer review was based on interviews with the following individual(s) who was (were) directly responsible for development of the SWEL:

Mr. Kim L. Hull, Senior Mechanical Engineer

This peer review utilized the checklist shown in the SWG, Appendix F: Checklist for Peer Review of SSC Selection.

For SWEL 1 development, the following actions were completed in the peer review process:

- Verification that the SSCs selected represented a diverse sample of the equipment required to perform the following five safety functions:
 - Reactor Reactivity Control (RRC)
 - Reactor Coolant Pressure Control (RCPC)
 - Reactor Coolant Inventory Control (RCIC)
 - Decay Heat Removal (DHR)
 - Containment Function (CF)

This peer review determined that the SSCs selected for the seismic walkdowns represent a diverse sample of equipment required to perform the five safety functions. This conclusion was based on a review of UFSAR chapters 3, 5, 6, 7, 8, and 9 which

determined that all five safety functions (RRC, RCPC, RCIC, DHR, and CF) are adequately represented.

- Verification that the SSCs selected include an appropriate representation of items having the following sample selection attributes:
 - Various types of systems
 - Major new and replacement equipment
 - Various types of equipment
 - Various environments
 - Equipment enhanced based on the findings of the IPEEE
 - Risk insight consideration

This peer review determined that the SSCs selected for the seismic walkdowns include a sample of items that represent each attribute/consideration identified above. The justification for this conclusion is: a) Based on a review of UFSAR chapters referenced above and the SPEL list, it was determined that appropriate variety of equipment and systems are represented (e.g., EDG, Component Cooling, Aux Feed, Charging, Essential Service WTR, RHR, Batteries, Battery Chargers, Low and Med Vol Switchgear and MCCs); b) The "New or Replace" equipment are indicated as such; c) A variety of location environments are included: e.g., MCCs (Auxiliary @ EL: 346, and ESWCT @ EL: 874), Pumps (Auxiliary @ EL: 330, 346, 364, and 383), Tanks and Heat Exchangers (Auxiliary and Containment), Air Handlers (Auxiliary and Containment) and Valves (Auxiliary and Containment); d) The IPEEE Enhancement related equipment is indicated as such; and e) The risk quantification has been included in the "Comments" column.

For SWEL 2 development, the following actions were completed in the peer review process:

- Verification that SFP related items were considered and appropriately added to SWEL 2.

This peer review determined that spent fuel pool cooling system Seismic CAT 1 items were given appropriate consideration and included on the list. This determination is based on a review of the licensing and design basis documents including FSAR chapters 3 and 9 and SFP Cooling System P&ID M-63.

- Verification that appropriate justification was documented for spent fuel pool related items that were not added to the SWEL 2.

This peer review determined that an appropriate level of justification was documented for those items related to the spent fuel pool that were not added to SWEL 2. The justification for not including any Seismic Category I Structure has appropriately been documented in the interim report. There are no rapid drain down related components in SWEL2. Appropriate justification for this item is included in the interim report as well.

2.3 Peer Review Findings – Selection of SSCs

This peer review found that the process for selecting SSCs that were added to the SWEL was consistent with the process outlined in the SWG Section 3: Selection of SSCs.

The peer review checklist is attached to this document.

This peer review resulted in no additional findings.

2.4 Resolution of Peer Review Comments – Selection of SSCs

All comments requiring resolution were incorporated prior to completion of this peer review.

2.5 Conclusion of Peer Review – Selection of SSCs

This peer review concludes that the process for selecting SSCs to be included on the seismic walkdown equipment list appropriately followed the process outlined in the SWG, Section 3: Selection of SSCs. It is further concluded that the SWEL sufficiently represents a broad population of plant Seismic Category 1 equipment and systems to meet the objectives of the NRC 50.54(f) Letter.

3 Review of Sample Checklists & Area Walk-bys

A peer review of the SWCs and AWCs was performed on September 7, 2012 after which an interview was conducted by Messrs. Djordjevic and Bacon with the SWE inspection team in accordance with the SWG requirements. The SWE trained walkdown engineers were Mr. Philip A. Gazda and Ms. Marlene M. Delaney, both of whom are SQUG trained seismic capability engineers (EPRI 5-day training course) and Seismic Walkdown Engineer (SWE) trained.

Table 3-1 lists the SWCs and AWCs samples which represent 17% of the SWC and 20% of the AWC. The sample includes the equipment inspected during the peer review and other equipment items from other classes to introduce diversity to the sampling procedure.

Table 3-1: Table of SWC and AWC Samples from Seismic Walkdown Inspection for Unit 1

Equipment Identification	Equipment (GIP) Class	Walkdown Item	SWE Noted Observations
1IP05E	16	Inverter Bus 111 1-3371 AB1	No concerns
1VE05C	9	Div 12 MEER Exhaust Fan	No concerns
1MS018B	8	SG 1B PORV Assembly	No concerns
1RH607	7	RHR HX 1B Flow Control Valve	No concerns
OSX02PB	6	Diesel driven SX Make-up Pump	No concerns
1PM05J	20	Main Control Board	External welded anchorage covered by carpeting
1AF017B	8	1B AFW SX Suction Valve	No concerns
0VC08Y	10	Train B Makeup Air Filter Unit Fan 0B	No concerns
1AP99E	1	480V ESF 131Z MCC	No concerns
1RY8028	8	Containment Isolation Valve	No concerns
1SX01PB	5	ESW Pump	No concerns
1SX005	8	CC Heat Exchanger Inlet	No concerns

Equipment Identification	Equipment (GIP) Class	Walkdown Item	SWE Noted Observations
		Valve	
1SX173	8	SX Supply Valve for DD AFW Pump	No concerns
1SI8801B	7	Charging Pump Injection Isolation Valve	No concerns
1FT-0121	18	Charging Line D/P Cell Flow Transmitter	No concerns
1PT-0516	18	SG Loop 1A Steam Pressure Transmitter	No concerns
1PA08J	20	PROC I&C Rack	Cove molding covers external anchorage
1PA33J	20	ESF 11 0-3371B AB1 Cabinet	cove molding covers external anchorage
1VA11J	20	Charging Pump Cubicle Cooler Local Control Panel	no concerns
1RH01PB-A	21	RH Pump 1B Seal Cooler	no concerns
1AP25E	1	480V Auxiliary Bldg ESF MCC 131X2	Repaired since IPEEE- outlier IPEEE as it was originally not bolted to adjacent MCC
Area Walkdown Description	Observations		
AW8	Open s-hooks were found		
AW60	No concerns		
AW52 B SX pump room	Ladders well secured		
Outside HX & spent fuel pump room	Checked valve clamp bolting - OK		
AW36 - Area 5 near MCC	No concerns		
4KV Div 11 Room	Open s-hooks were found		
MEER Div 1 (AW28)	No concerns - identified well supported drain line		
1B Diesel Oil Storage Tank	No concerns		

Equipment Identification	Equipment (GIP) Class	Walkdown Item	SWE Noted Observations
Room			
SX Cooling El. 377 ft			Open s-hooks were found

There were no findings that remotely challenged the licensing basis. The plant was found to have just a few minor housekeeping (and not particularly seismic housekeeping) and maintenance (concerning loose screws and fasteners) issues. Tables 5-2 and 5-3 of the Seismic Walkdown Report (final submittal report) provide the lists of the issues encountered for the equipment seismic walkdowns and area walk-bys.

The scaffolding and seismic housekeeping procedures were reviewed by the SWEs in order to gain a full understanding of the plant practices in regard to those procedures. There were no seismic concerns noted in Unit 1 with regard to scaffold erection or seismic housekeeping. The very few instances of loose screws/fasteners and simple (non-seismic) general maintenance issues were of no concern from the seismic performance viewpoint. There were instances of partially open s-hooks on light fixtures but those instances were isolated and not "clustered" around a single fixture. As such, they were not adjudged as immediate seismic interaction hazards to the equipment in their general proximity. The instances where they were found were documented and action requests (IR) were written (see Table 5-2 and 5-3 in submittal report). In addition, a general action request was written (IR# 1399405) to inspect for and close s-hooks wherever they are located in the plant. In conclusion, procedural compliance is excellent at this plant.

Finally, electrical panels at Byron 1 are generally intermittently (stitch) welded to an embedded plate in the concrete floor. As indicated in Table 3-1 (see 1PA08J and 1PA33J) the stitch welding is generally not visible as it is covered with cove molding. This is the situation throughout the, auxiliary electric equipment room. The welding is evident by virtue of the raised profile projected through the plastic molding. The SWE inspectors were able to visually observe the welding in a few locations where the molding had been removed or was missing. They concluded that the welding indicated on the installation drawings is accurate and accepted the drawings as correct. The affected panels are: 1PA01J – 1PA12J, 1PA14J, 1PA28J, 1PA33J, 1PA34J, 1PA51J, and 1PA52J. The peer reviewers concur with their conclusions.

4 Review of Licensing Basis Evaluations

Tables 5-2 and 5-3 provide a list of the issues encountered during the Unit 1 seismic walkdown inspections for the SWEL components and how they were addressed. If a Byron IR request was generated it is shown in the Table. An interview was conducted by Messrs. Djordjevic and Bacon with the SWE inspection team on September 7, 2012 to discuss the issues identified. No potentially adverse seismic conditions were identified that resulted in a seismic licensing basis evaluation and the peer reviewers concur with this outcome.

5 Review Final Submittal Report & Sign-off

The final submittal report has been reviewed by Messrs. W. Djordjevic, T. A. Bacon and T. K. Ram and found to meet the requirements of the EPRI 1025286 – Seismic Walkdown Guidance (SWG).

Attachment 1: Peer Review Checklist for SWEL

Byron Unit 1 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 Section 6. 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 ☐
Appropriate equipment has been included to maintain the five safety functions: RPC, DHR, RCIC, RCPC, and CF
-
2. Does SWEL 1 include an appropriate representation of items having the following sample selection attributes:
- a. Various types of systems? Y ☒ N ☐
Various system types (e.g., EDG, Component Cooling, Aux Feed, Charging, Essential Service WTR, RHR, Batteries, Battery Chargers, Low and Med Vol Switchgear and MCCs) have been included.
- b. Major new and replacement equipment? Y ☒ N ☐
"New or Replace" equipment is included in the list.
- c. Various types of equipment? Y ☒ N ☐
The equipment represents all required 21 types except 12 and 13. The screenings #1, #2, and #3 resulted in no equipment in the latter two categories.
- d. Various environments? Y ☒ N ☐
Appropriate environments (e. g., Auxiliary and Containment buildings) have been included.

Byron Unit 1 Peer Review Checklist for SWEL

- e. Equipment enhanced based on the findings of the IPEEE (or equivalent) program? Y ☒ N ☐
Included as indicated in the column, "IPEEE Enhancement."

- f. Were risk insights considered in the development of SWEL 1? Y ☒ N ☐
Risk qualifications (F-V and RAW) provided in the "Comments" column

3. For SWEL 2:

- a. Were spent fuel pool related items considered, and if applicable included in SWEL 2? Y ☒ N ☐
Spent fuel pool cooling system Seismic CAT 1 items were given appropriate consideration and included on the list.
- b. Was an appropriate justification documented for spent fuel pool related items not included in SWEL 2? Y ☒ N ☐
There are no rapid drain down related components in SWEL2. Appropriate justification for this item is included in the Interim Report. Justification has also been provided for not including Seismic I structures such as SFP sluice/transfer gates.

4. Provide any other comments related to the peer review of the SWELs.

None

-
5. Have all peer review comments been adequately addressed in the final SWEL? Y ☒ N ☐
-

Peer Reviewer

#1:

TK Ram (Byron 1)

TK Ram

Date: 8/21/12

Peer Reviewer

#2:

Walter Djordjevic

W Djordjevic

Date: 9/1/12

G

IPEEE Vulnerability Status

Table G-1 lists the plant improvements, the IPEEE/SQUG proposed resolution, the actual resolution and resolution date.

Table G-1. IPEEE Vulnerability Status

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
2FT-AF011 2FT-AF012 2FT-AF013 2FT-AF014 2FT-AF015 2FT-AF016 2FT-AF017 2FT-AF018 Flow Transmitters	Flow transmitters adjacent to Recycle Monitor tanks (1&2AB02T) which are unanchored; thus they pose a potential flooding hazard to the transmitters on the adjacent nearby instrument rack.	N/A	Tank has been shown to maintain its integrity well beyond RLE demand level by CDFM capacity.	12/23/1996****
1AP21E Motor Control Center	Seismic interaction concern. Adjacent trash barrel (unanchored) may impact MCC during seismic event.	N/A	Trash barrel removed.	12/23/1996****
1CV112E 2CV112E Valves	Operator is in contact with adjacent pipe/grating which poses an impact hazard.	Evaluate clearance requirements and effect on valve and pipe system	Evaluations have determined that the affected piping systems and valve are adequate with the reduced clearance. Also, for 2CV112E the grating has been modified.	8/26/1998 6/11/1997
0CC01E Switchgear	Seismic interaction concerns with an adjacent flammables storage cabinet and personnel safety railing lay-down (storage) area.	N/A	Flammable cabinet removed from immediate area and railings restrained to preclude potential impact.	12/23/1996****

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
1CV8152 Valve	Associated limit switch in direct contact with adjacent platform grating. Remainder of valve only has 1/8 inches of clearing.	N/A	Grating has been modified.	6/11/1997
1AP25E 2AP25E Motor Control Centers	Seismic interaction concern. Not tied (bolted) to adjacent MCC 1(2)AP44E and may impact MCC during seismic event.	N/A	Interactions were be evaluated on a case-by-case basis. Bolted adjacent MCCs together as required.	4/22/2004
1AP27E 2AP27E Motor Control Centers	Seismic interaction concern. Not tied (bolted) to adjacent MCC 1(2)AP47E and may impact MCC during seismic event.	N/A	Interaction were be evaluated on a case-by-case basis. Bolted adjacent MCCs together as required.	4/22/2004
1AP11E 1AP13E Transformers	"Shipping" bolts securing internal coils to frame are not tight (approximate 1/4-1/2" gap as nut is backed-off)	Bolts will be tightened during Refueling Outage B1R08	Bolts tightened during B1R08	Work Done in B1R08
1AP10E 2AP06E 2AP10E 2AP12E Switchgear	Seismic interaction concern. Adjacent, unanchored spare breaker(s) poses an interaction hazard.	Breakers will be located in designated area where no interaction hazard exists.	Seismic interaction issues were addressed.	10/15/1997
2AP32E Motor Control Centers	Seismic interaction concern. Adjacent, unanchored wash station poses an interaction hazard.	N/A	Item has been relocated so as not to pose an interaction risk	12/23/1996****

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
1AP32E Motor Control Centers	Heat trace control cabinet located in vicinity of MCC was found to be unanchored.	Heat trace cabinet has been welded to foundation pad.	Heat trace cabinet 1HT04J has been walked down and verified to be bolted to steel which is welded to the foundation pad and therefore will not fall and/or make contact with MCC-132X5. Also, drawing 6E-0-3391F confirms 1/8" thick 1.5" long @ 12" welds which meets the configuration.	01/10/2001
1DC01E Station Batteries	1) Overhead lights hung on chains with open S-hooks. 2) Gaps exist between batteries and end support members.	N/A	1) S-hooks have been closed. 2) 2 Batteries are within 1/4" gap criteria specified on vendor drawing.	12/23/1996****
1(2)DC03E 1(2)DC05E Battery Charger & Distribution Center Bus	Adjacent cabinets not bolted together.	Interaction will be evaluated on a case-by-case basis. Bolt adjacent cabinets together as required.	Evaluation has determined that consequences of relay chatter can be resolved by operator action. See NTS response.	10/10/2001
1IP05E 1IP07E 1IP06E 1IP08E Inverters	Interaction (impact) concern with adjacent filter duct box which is unsecured.	Duct box will be secured as part of pending modification scheduled for refueling outage B1R08.	Duct box was secured to fan cabinet during B1R08.	Work done in B1R08
1DC02E Station Batteries	Gaps exist between batteries and end support members.	N/A	Batteries are within 1/4" gap criteria specified on vendor drawing.	12/23/1996****

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
1(2)DC04E 1(2)DC06E Battery Charger & Distribution Center Bus	Adjacent cabinets not bolted together.	Interaction will be evaluated on a case-by-case basis. Bolt adjacent cabinets together as required.	Evaluation has determined that consequences of relay chatter can be resolved by operator action. See NTS response.	10/10/2001
1RD05E 2RD05E Reactor Trip Switchgear	Seismic interaction concern. Not tied (bolted) to adjacent 1(2)RD03E. May impact during seismic event	Interaction will be evaluated on a case-by-case basis. Bolt adjacent cabinets together as required.	Evaluation has determined that consequences of relay chatter can be resolved by operator action. See NTS response.	10/10/2001
1(2)AP92E 1(2)AP93E Motor Control Centers	1)Overhead lights hung on chains with open S-hooks. 2)Not tied (bolted) to adjacent MCC.	1) S-hooks have been closed. 2) Interaction will be evaluated on a case-by-case basis. Bolt adjacent MCCs together as required.	1) S-hooks have been closed. 2) Modification to connect cabinets together was approved by TRC/BRC. Breakers were relocated in designated areas where no interaction hazard exists.	4/22/2004

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
OPM01J OPM02J 1PM01J 1PM04J 1PM05J 1PM06J 1PM07J 1PM11J 1PM12J 2PM01J 2PM04J 2PM05J 2PM06J 2PM07J 2PM11J 2PM12J Main Control Panels	1) Unsecured aluminum diffusers in suspended ceiling pose a personnel hazard to operators if they are dislodged due to seismic motion. 2) Interaction concerns with items in control room in proximity of cabinets such as lockers, copiers, tables and filing cabinets.	1) Diffusers will be secured to support grid. 2) Several items have been removed from control room. Other items will be removed or relocated as required.	1) Analysis was performed which evaluated the MRC Eggcrate panels (ceiling diffusers) capability for withstanding a seismic event of a magnitude required by the IPEEE without an adverse effect. Conclusively the MRC ceiling diffusers are capable of withstanding a seismic event of a magnitude required by IPEEE without adverse effect.	6/16/2003

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
1(2)PA01J 1(2)PA02J 1(2)PA03J 1(2)PA04J 1(2)PA06J 1(2)PA07J 1(2)PA08J 1(2)PA09J 1(2)PA10J 1(2)PA11J 1(2)PA12J 1(2)PA13J 1(2)PA14J 1(2)PA27J 1(2)PA28J 1(2)PA33J 1(2)PA34J 1(2)PA51J 1(2)PA01J 1PA52J Auxiliary Panels	1) Adjacent cabinets not bolted together. 2) Also have instrument cart (or wooden table) in proximity of cabinet.	1) Interaction will be evaluated on a case-by-case basis. Bolt adjacent cabinets together as required. 2) IM equipment to be stored/secured away from cabinets when not in use.	1) Interactions were evaluated that addressed the loads for panels and concluded that they were acceptable when linked together. Vendor (S&A) walkdown confirmed these cabinets to be linked together. 2) IM equipment was stored away from cabinets when not in use.	1/21/2000
2IP06E 2IP08E Inverters	Interaction (impact) concern with adjacent fire extinguisher (A-8-27) which has an open (unsecured) retaining bracket.	N/A	Fire extinguisher brackets secured.	***

Equipment ID	Description of Condition / Vulnerability*	IPEEE Report Proposed Resolution of Condition**	Actual Resolution of Condition	Resolution Date
1(2)AP98E 1(2)AP99E Switchgear	Overhead lights hung on chains with open S-hooks.	N/A	S-hooks have been closed	12/23/1996****
2AP98E	One "shipping" bolt securing internal coils to frame is not tight (approximate 1/4" gap as nut is backed-off)	Bolts will be tightened during B2R07.	Bolts were tightened during B2R07.	Work done in B2R07

* IPEEE "Vulnerability" = Vulnerability, Outlier, Anomaly, Enhancement, Finding, etc.

** If this is different than the original planned, else N/A.

***Field walkdown performed and confirmed bracket was acceptable.

****Per Letter BY: 96-0323, "Transmittal of Byron Station Individual Plant Examination of External Events Submittal Report" dated December 23, 1996.