

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC03E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 211 DIV. 21

Project: Braidwood 2 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)? 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
Mild corrosion / rust. No structural/seismic impact.

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.: 2DC03E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 211 DIV. 21

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

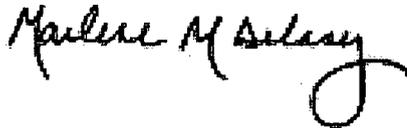
Other Adverse Conditions

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

Comments

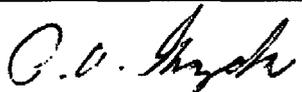
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

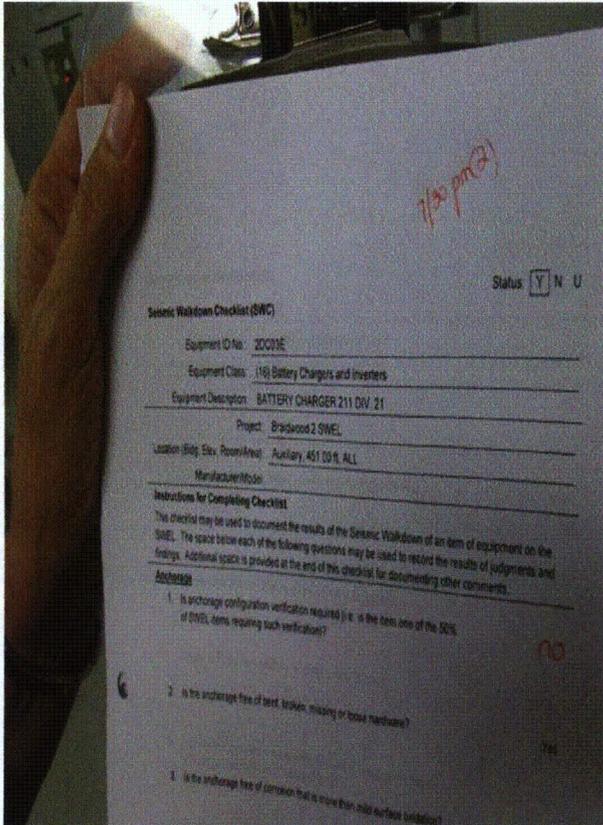
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC03E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 211 DIV. 21

Photos



2DC03E 7-30-12 PM 039



2DC03E 7-30-12 PM 040

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC03E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 211 DIV. 21



2DC03E 7-30-12 PM 041

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC04E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 212 DIV. 22

Project: Braidwood 2 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)? 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.: 2DC04E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: BATTERY CHARGER 212 DIV. 22

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
Seismic block walls.
Lights suspended on rods with no bulb guards but would not impact equipment if they fell so it is acceptable. S&L Std EE-103 does not require guards on fluorescent lights.
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

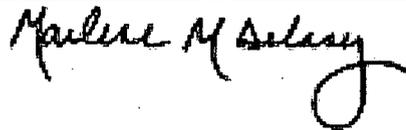
Other Adverse Conditions

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

Comments

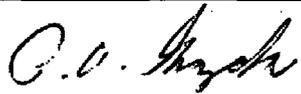
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

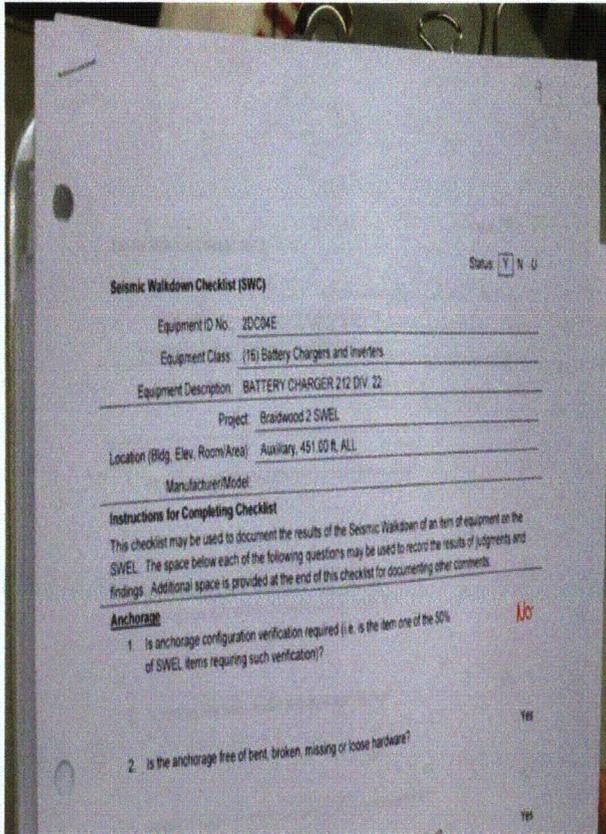
10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC04E
Equipment Class: (16) Battery Chargers and Inverters
Equipment Description: BATTERY CHARGER 212 DIV. 22

Photos



2DC04E 7-31-12 007



2DC04E 7-31-12 008

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC05E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 211

Project: Braidwood 2 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
Welded anchorage.

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
Weld length and spacing matches or exceeds drawing.
Drawing 20E-0-3391C Revision BM

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.: 2DC05E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 211

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
Scaffolding in area is well constructed and braced. Movement limited by plant components and would not impact equipment.

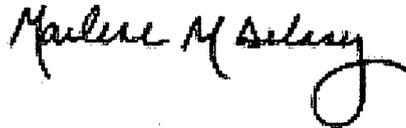
Other Adverse Conditions

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

Comments

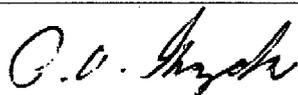
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC05E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 211

Photos



2DC05E 7-30-12 PM 042



2DC05E 7-30-12 PM 043

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC05E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 211



2DC05E 7-30-12 PM 044

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC06E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 212

Project: Braidwood 2 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 20E-0-3391C Revision BM
Weld exceeds drawing requirements

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.: 2DC06E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 212

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?
Seismic block walls 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

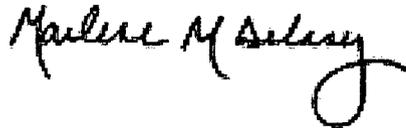
Other Adverse Conditions

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

Comments

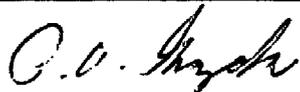
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

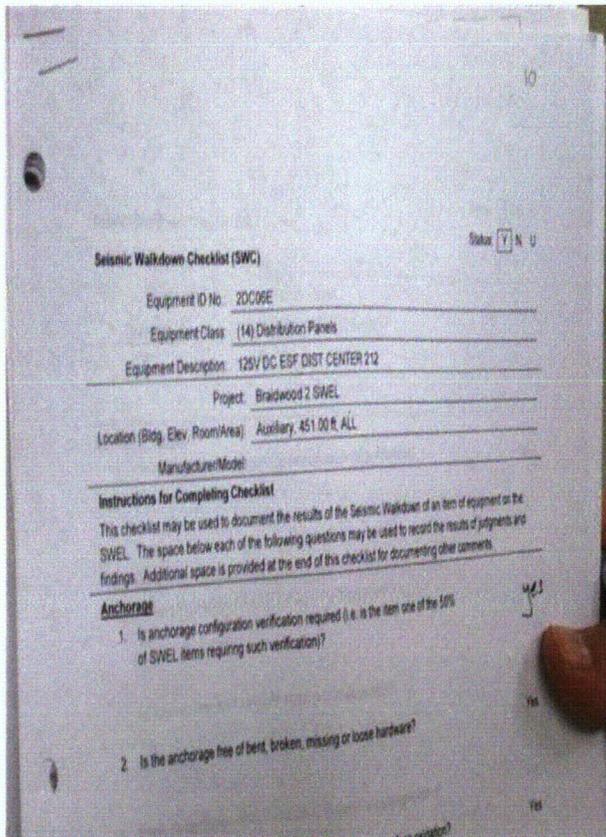
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC06E

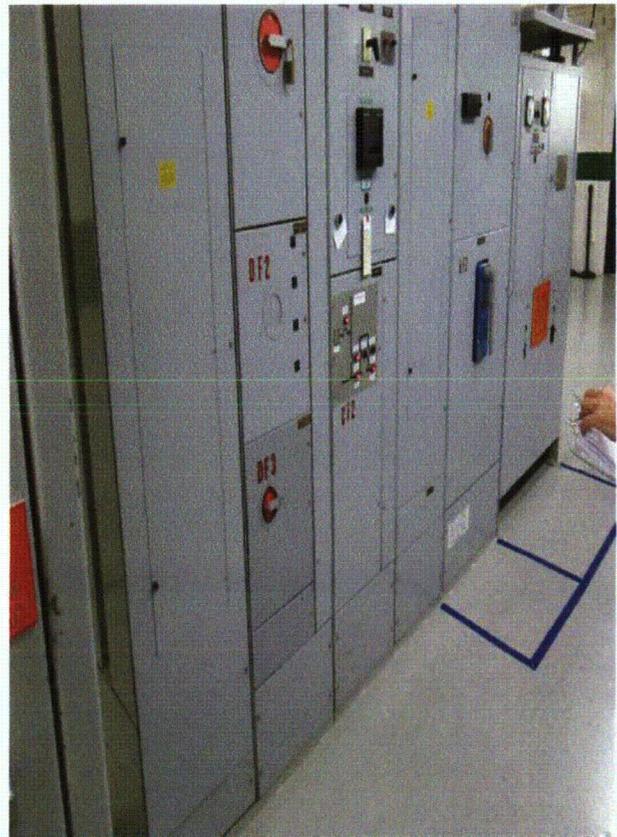
Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 212

Photos



2DC06E 7-31-12 009



2DC06E 7-31-12 010

Status: Y N U

Seismic Walkdown Checklist (SWC)

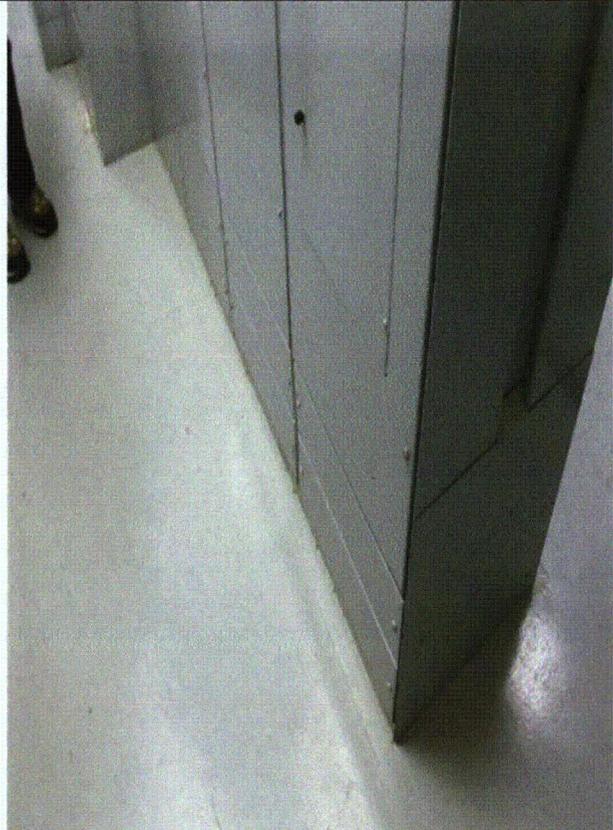
Equipment ID No.: 2DC06E

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST CENTER 212



2DC06E 7-31-12 011



2DC06E 7-31-12 012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC06EA

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST PNL 212

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes
Cabinet is subset to 2DC06E with the weld shown on Drawing 20E-0-3391C Revision BM

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 20E-0-3391C Revision BM

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.: 2DC06EA

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST PNL 212

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?
Seismic block walls 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

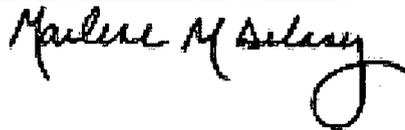
Other Adverse Conditions

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

Comments

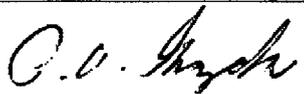
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC06EA

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC ESF DIST PNL 212

Photos

None.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC10J

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC FUSE PANEL - DIV. 21

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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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
No issues with anchorage

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC10J

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC FUSE PANEL - DIV. 21

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 |

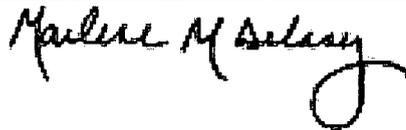
Other Adverse Conditions

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

Comments

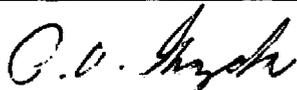
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

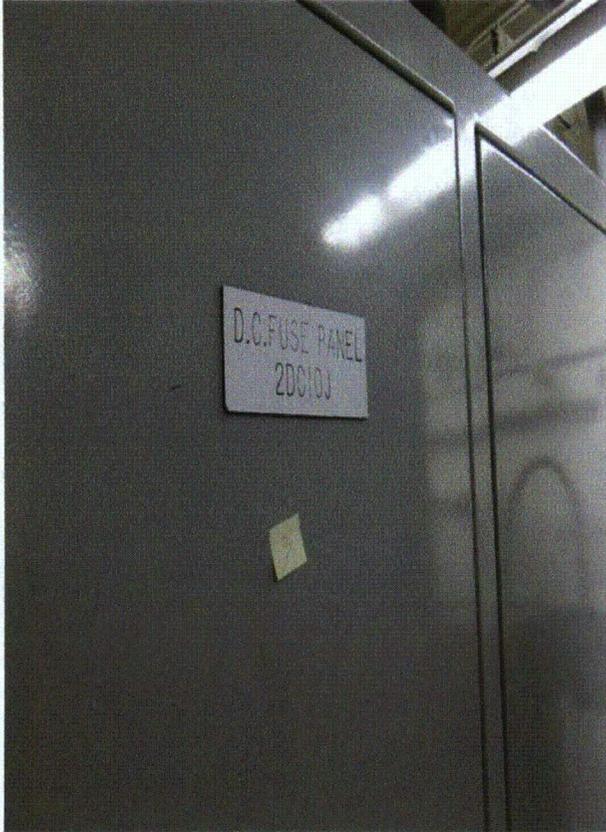
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC10J

Equipment Class: (14) Distribution Panels

Equipment Description: 125V DC FUSE PANEL - DIV. 21

Photos



2DC10J 7-30-12 PM 046



2DC10J 7-30-12 PM 047

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG01KA

Equipment Class: (17) Engine-Generators

Equipment Description: 2A DIESEL GENERATOR SKID

Project: Braidwood 2 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
M-1222 Sheet 5 Revision S

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.: 2DG01KA

Equipment Class: (17) Engine-Generators

Equipment Description: 2A DIESEL GENERATOR SKID

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

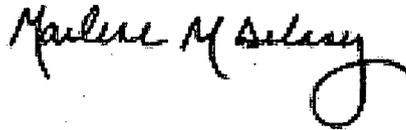
Other Adverse Conditions

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

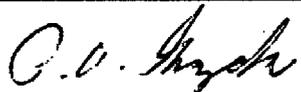
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

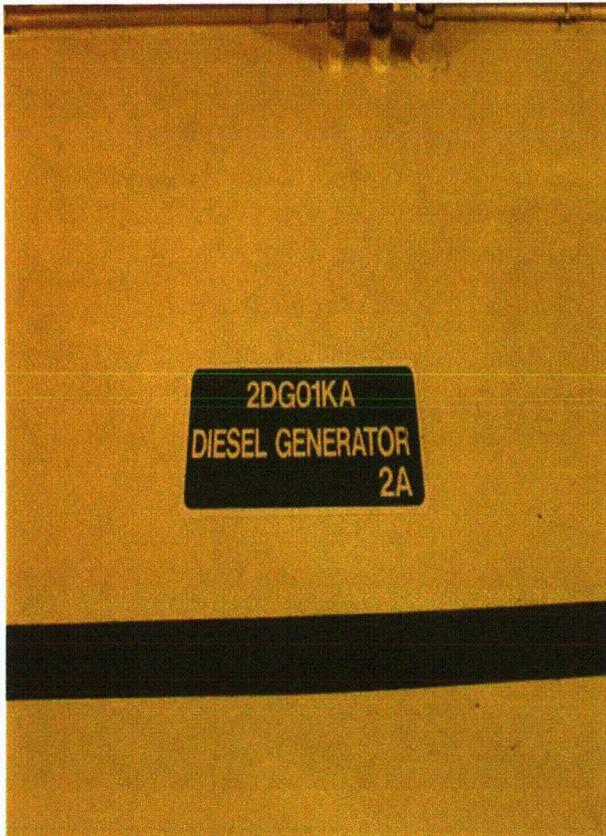
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG01KA

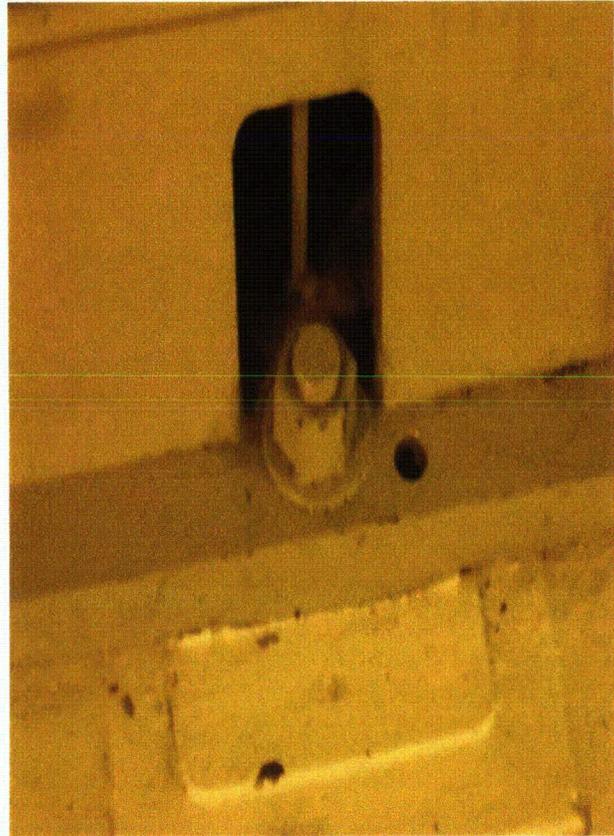
Equipment Class: (17) Engine-Generators

Equipment Description: 2A DIESEL GENERATOR SKID

Photos



2DG01KA 7-31-12 090



2DG01KA 7-31-12 091

Status: Y N U

Seismic Walkdown Checklist (SWC)

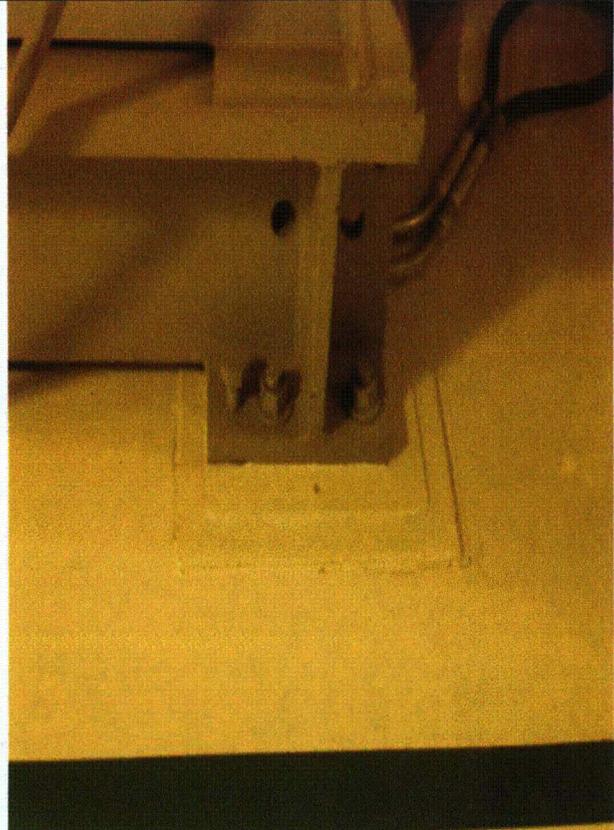
Equipment ID No.: 2DG01KA

Equipment Class: (17) Engine-Generators

Equipment Description: 2A DIESEL GENERATOR SKID



2DG01KA 7-31-12 092



2DG01KA 7-31-12 094

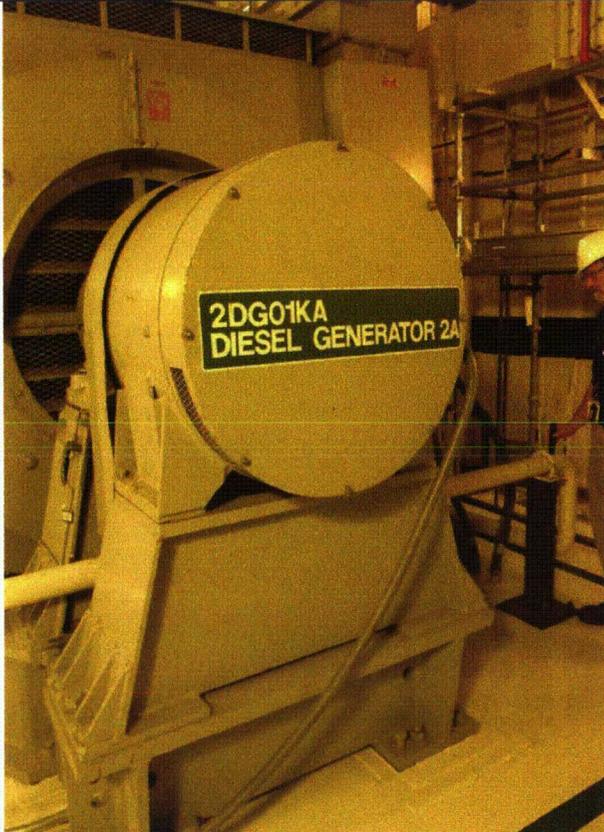
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG01KA

Equipment Class: (17) Engine-Generators

Equipment Description: 2A DIESEL GENERATOR SKID



2DG01KA7-31-12 093

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG04EA

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

Equipment Description: DIESEL GENERATOR 1A SYNCHRO-CHECK RELAY BOX

Project: Braidwood 2 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)? 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
Note that anchorage is internal to box but no cracking in concrete was visible and since the box is on the wall, there is no corrosion possible. Washer plates verified. Anchorage is acceptable.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG04EA

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

Equipment Description: DIESEL GENERATOR 1A SYNCHRO-CHECK RELAY BOX

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
Overhead components (i.e. HVAC) is well-supported
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

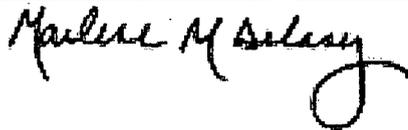
Other Adverse Conditions

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

Comments

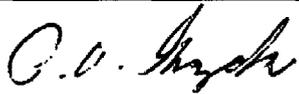
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DG04EA

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

Equipment Description: DIESEL GENERATOR 1A SYNCHRO-CHECK RELAY BOX

Photos



2DG04EA 7-31-12 066



2DG04EA 7-31-12 067

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DO01TA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL OIL STORAGE TANK

Project: Braidwood 2 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 373.00 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

Tank has hair line crack at 10 of 16 anchor bolts. The cracks do not extend into base slab and are only in the approximately 1' high pad. Anchor is embedded in base slab greater than 1' in depth and pad is reinforced in area of cracks so cracks will not propagate. Cracks will not impact anchor strength and are not a structural/seismic issue. IR 1396566 was generated to document 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-1214 Sheet 16 Revision H
Drawing M-1214 Sheet 3 Revision Z*

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.: 2DO01TA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL OIL 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 |
|--|-----|

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/31/12 pm

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DO01TA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL OIL STORAGE TANK

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/1/2012

P. O. Gazda

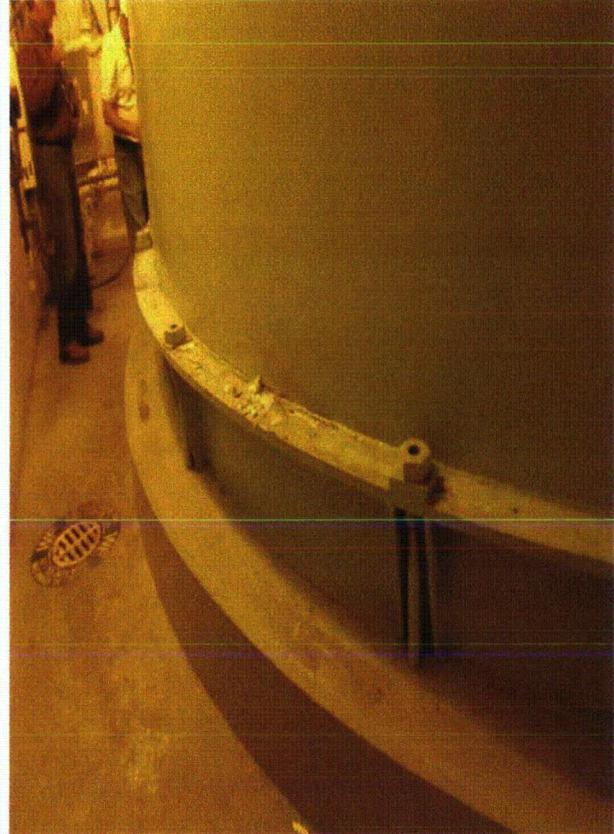
Philip Gazda

10/1/2012

Photos



2DO01TA 8-2-12 063



2DO01TA 8-2-12 064

Status: Y N U

Seismic Walkdown Checklist (SWC)

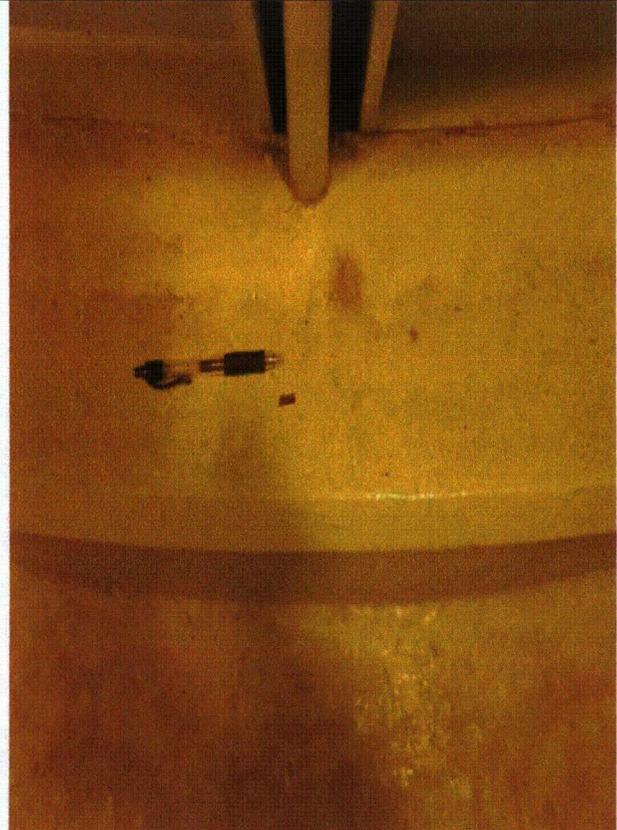
Equipment ID No.: 2DO01TA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: DIESEL OIL STORAGE TANK



2DO01TA 8-2-12 065



2DO01TA 8-2-12 066

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE VENT VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE VENT VALVE

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

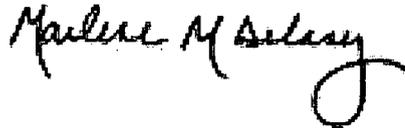
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe off of HX, well-supported

Comments

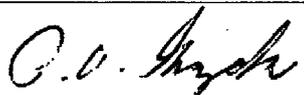
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

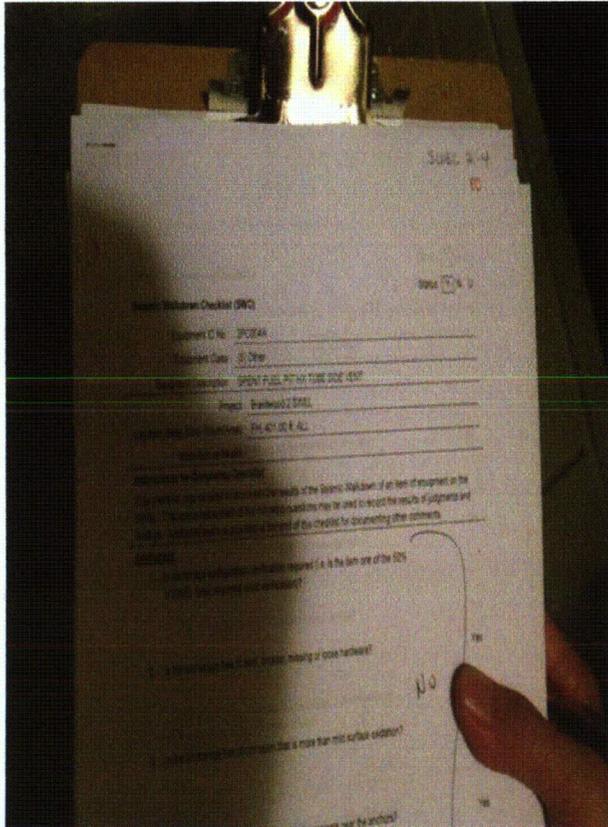
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004A

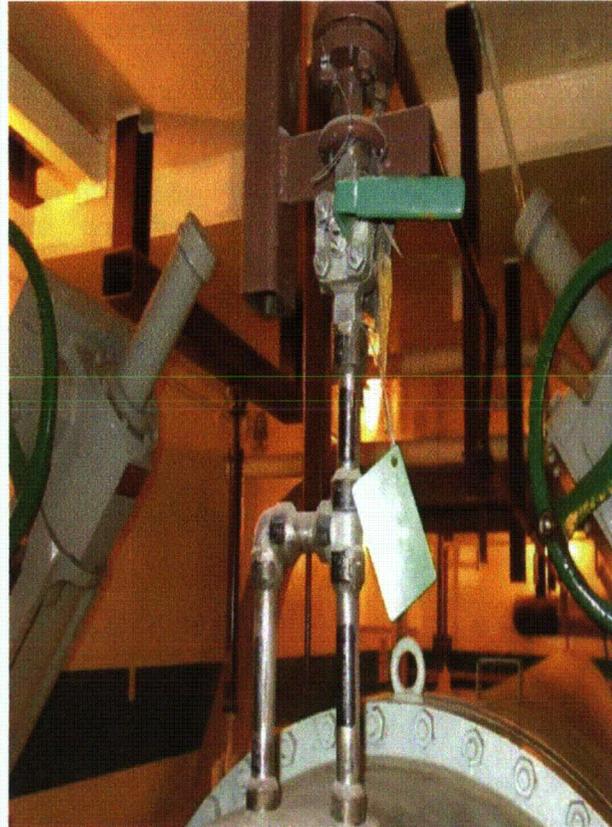
Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE VENT VALVE

Photos



2FC004A 7-30-12 PM 010



2FC004A 7-30-12 PM 011

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE VENT VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE VENT VALVE

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

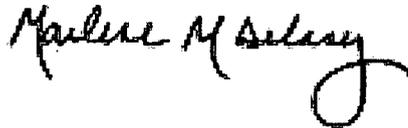
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe off of HX. Well-supported.

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

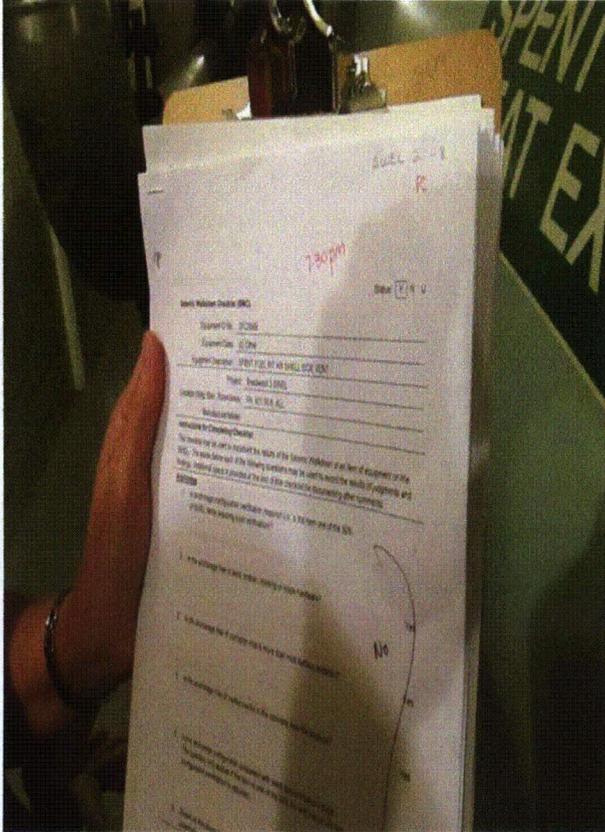
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC004B

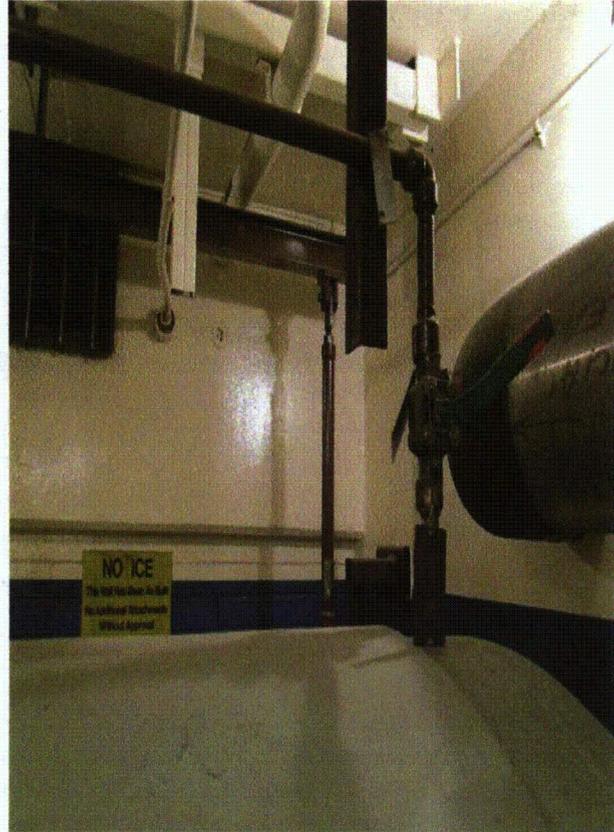
Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE VENT VALVE

Photos



2FC004B 7-30-12 PM 021



2FC004B 7-30-12 PM 022

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC005

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING DRN VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC005

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING DRN VALVE

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

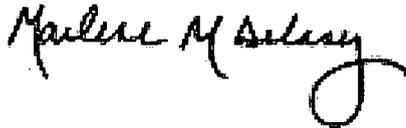
Other Adverse Conditions

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

Comments

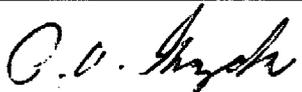
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

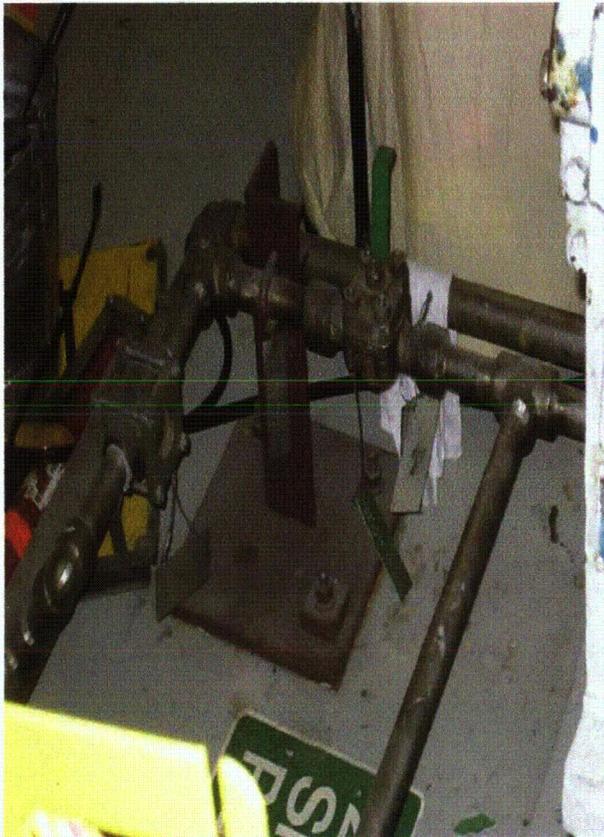
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC005

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING DRN VALVE

Photos



2FC005 7-30-12 PM 032

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC006

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING VENT VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC006

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING VENT VALVE

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

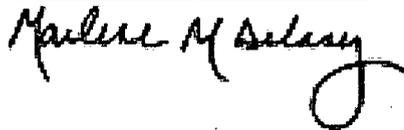
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe, well-supported.

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/12



Philip Gazda

10/1/12

Status: Y N U

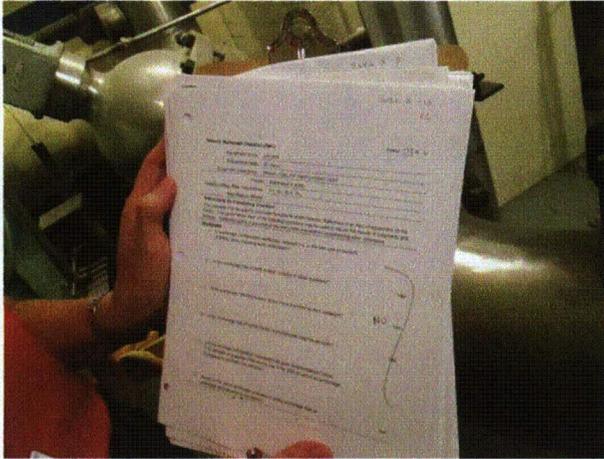
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC006

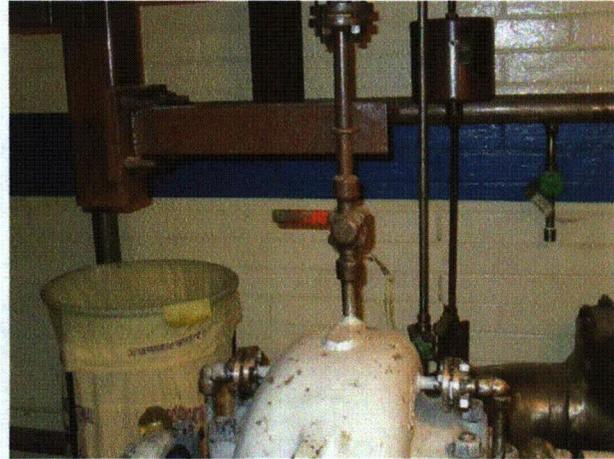
Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP CASING VENT VALVE

Photos



2FC006 7-30-12 PM 029



2FC006 7-30-12 PM 030

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC011

Equipment Class: (0) Other

Equipment Description: SFP FLT DEMIN LOOP RTRN TO U-2 REFUEL CAV CNMT ISOL VALVE

Project: Braidwood 2 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
Well-anchored and supported at Penetration 32

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC011

Equipment Class: (0) Other

Equipment Description: SFP FLT DEMIN LOOP RTRN TO U-2 REFUEL CAV CNMT ISOL VALVE

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

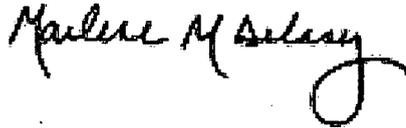
Other Adverse Conditions

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 8/2/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC011

Equipment Class: (0) Other

Equipment Description: SFP FLT DEMIN LOOP RTRN TO U-2 REFUEL CAV CNMT ISOL VALVE

Photos



2FC011 8-2-12 023

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER

Project: Braidwood 2 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)? 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 AE

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.: 2FC01A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER

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
Seismic block walls
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

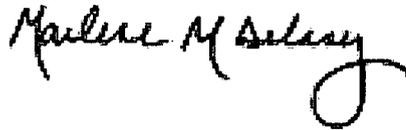
Other Adverse Conditions

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

Comments

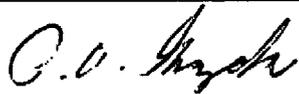
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

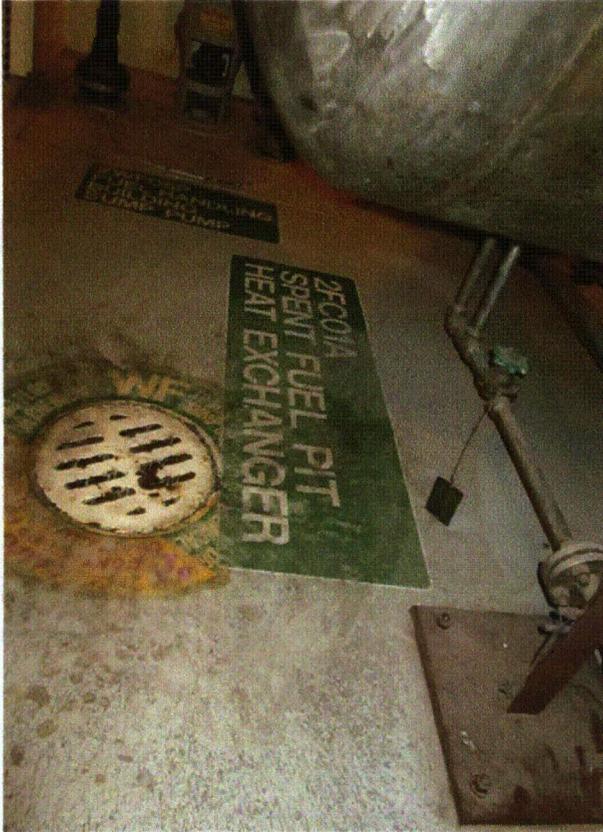
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER

Photos



2FC01A 7-30-12 PM 002



2FC01A 7-30-12 PM 003

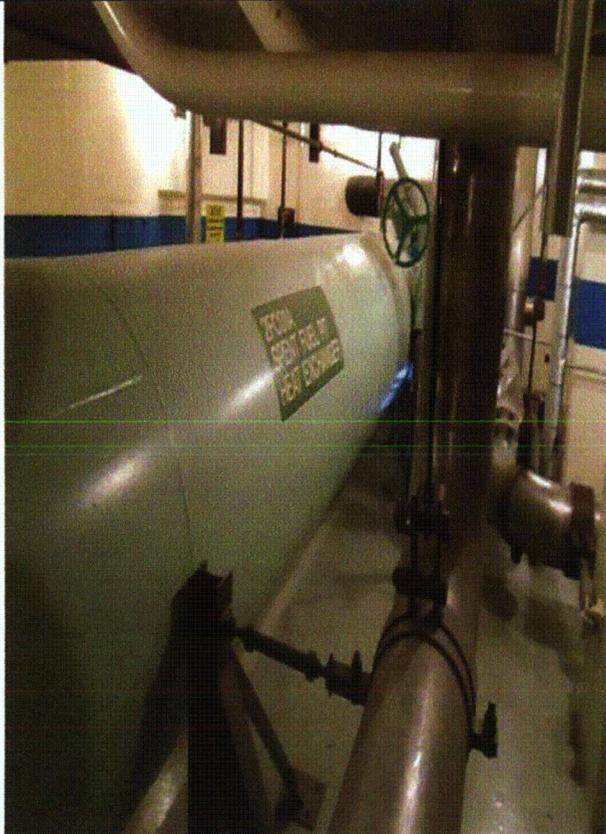
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HEAT EXCHANGER



2FC01A 7-30-12 PM 004

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, SPENT FUEL PIT 12X14-14

Project: Braidwood 2 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)? 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 4 Revision AM
Pump is contaminated so diameter of anchor not measured however visual verification of anchorage diameter was performed.

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.: 2FC01P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, SPENT FUEL PIT 12X14-14

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

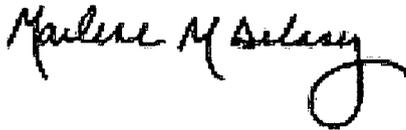
Other Adverse Conditions

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 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, SPENT FUEL PIT 12X14-14

Photos



2FC01P 7-30-12 PM 026



2FC01P 7-30-12 PM 027

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC01P

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, SPENT FUEL PIT 12X14-14



2FC01P 7-30-12 PM 028

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC022

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ISOL TO 2PI-633 VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC022

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ISOL TO 2PI-633 VALVE

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
Seismic block walls
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

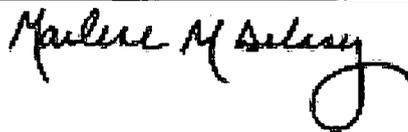
Other Adverse Conditions

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

Comments

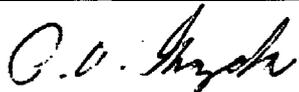
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC022

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ISOL TO 2PI-633 VALVE

Photos

None.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8756

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCTION VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8756

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCTION VALVE

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

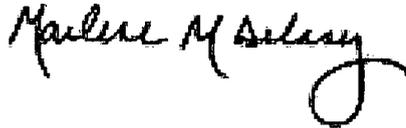
Other Adverse Conditions

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

Comments

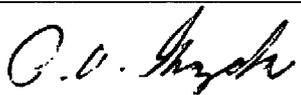
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

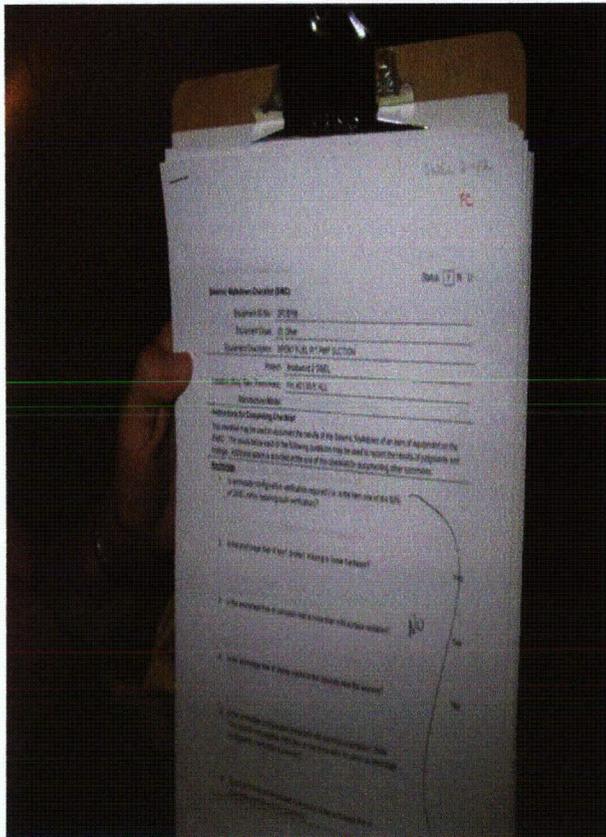
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8756

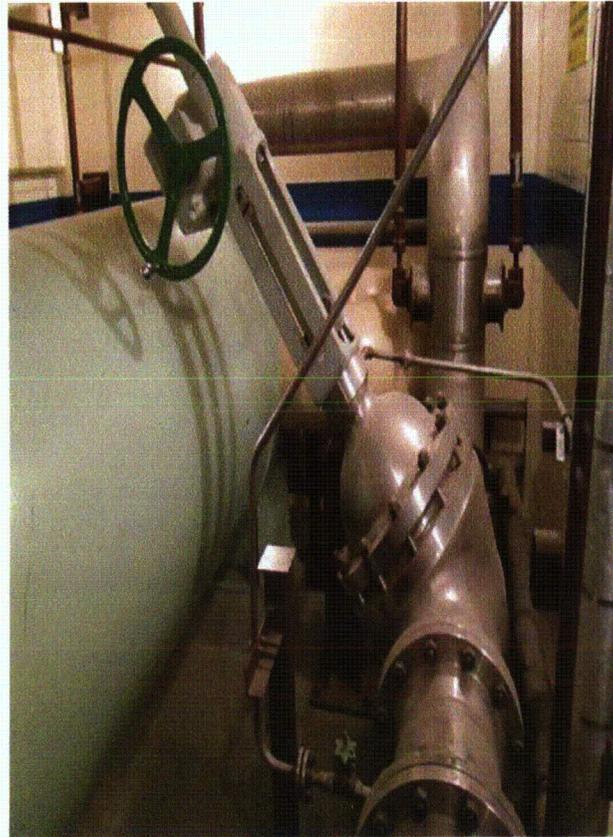
Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCTION VALVE

Photos



2FC8756 7-30-12 PM 019



2FC8756 7-30-12 PM 020

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8757

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ROOT TO 2PI-633 VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8757

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ROOT TO 2PI-633 VALVE

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

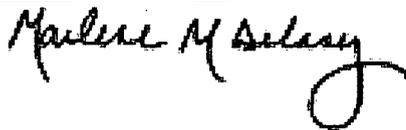
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe off of HX. Well-supported.

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

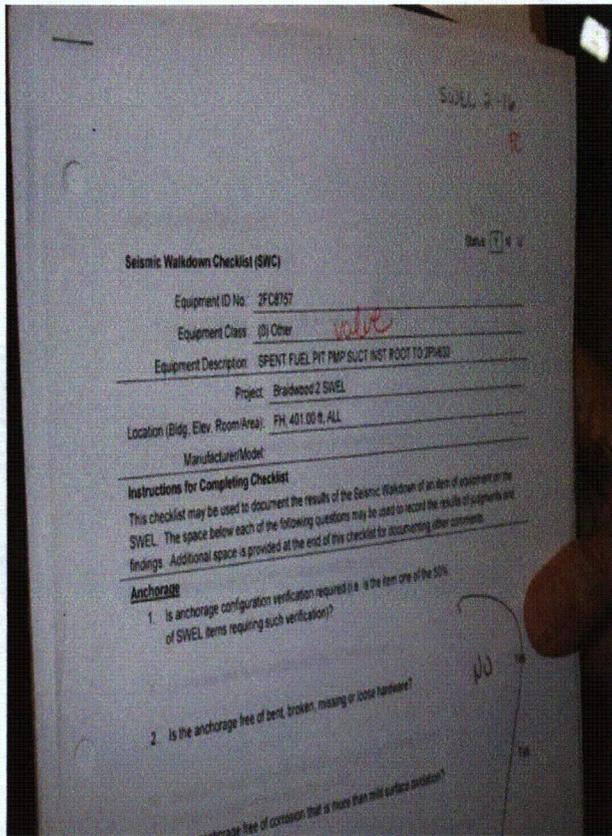
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8757

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP SUCT INST ROOT TO 2PI-633 VALVE

Photos



2FC8757 7-30-12 PM 017



2FC8757 7-30-12 PM 018

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8758

Equipment Class: (0) Other

Equipment Description: REFUELING WTR PURIF PMP SUCT FROM U-2 RWST VALVE

Project: Braidwood 2 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.: 2FC8758

Equipment Class: (0) Other

Equipment Description: REFUELING WTR PURIF PMP SUCT FROM U-2 RWST VALVE

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

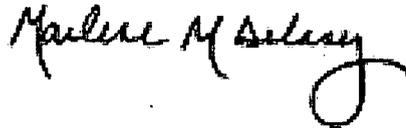
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
small diameter pipe that is well-supported

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm and 8/2/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

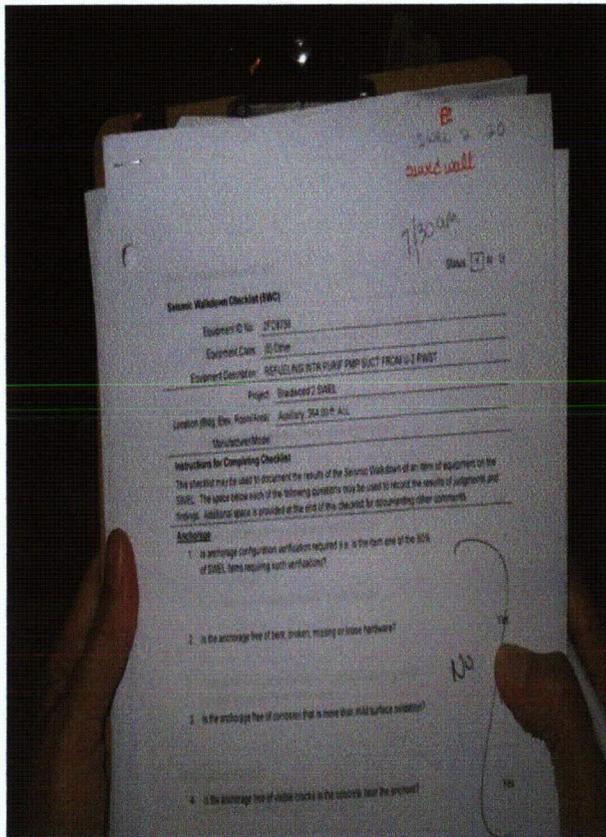
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8758

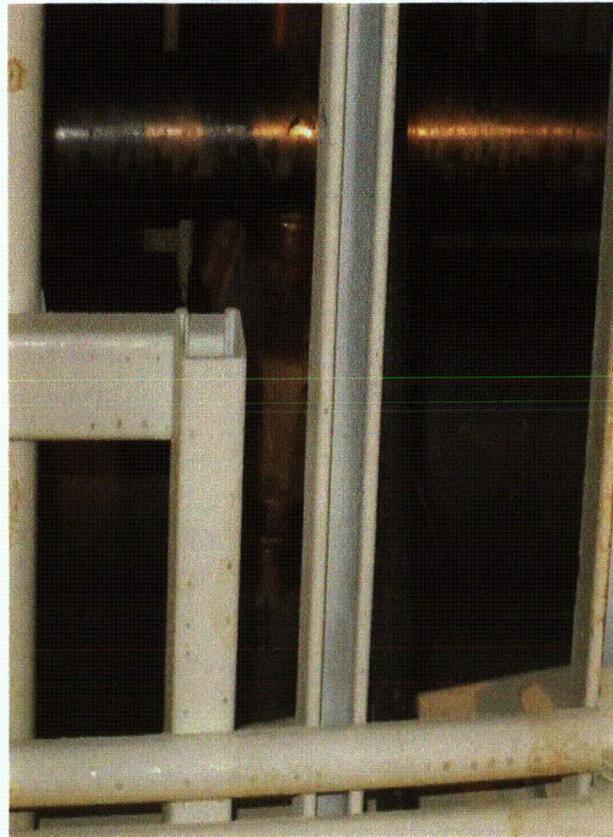
Equipment Class: (0) Other

Equipment Description: REFUELING WTR PURIF PMP SUCT FROM U-2 RWST VALVE

Photos



2FC8758 7-30-12 AM 052



2FC8758 7-30-12 AM 053

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8758

Equipment Class: (0) Other

Equipment Description: REFUELING WTR PURIF PMP SUCT FROM U-2 RWST VALVE



2FC8758 8-2-12 022

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: SPENT FUEL PIT HX INLET VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: SPENT FUEL PIT HX INLET VALVE

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
Rugged valve

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/1/2012

P. Gazda

Philip Gazda

10/1/2012

Status: Y N U

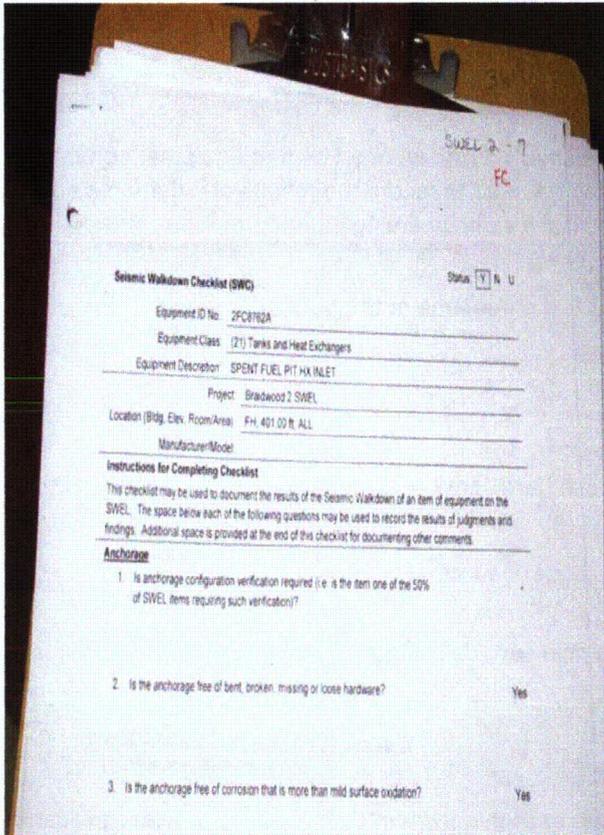
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762A

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: SPENT FUEL PIT HX INLET VALVE

Photos



2FC8762A 7-30-12 PM 006



2FC8762A 7-30-12 PM 007

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX OUTLET VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX OUTLET VALVE

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

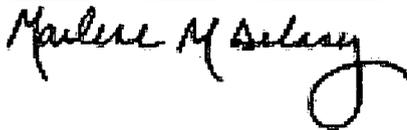
Other Adverse Conditions

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

Comments

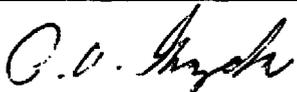
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

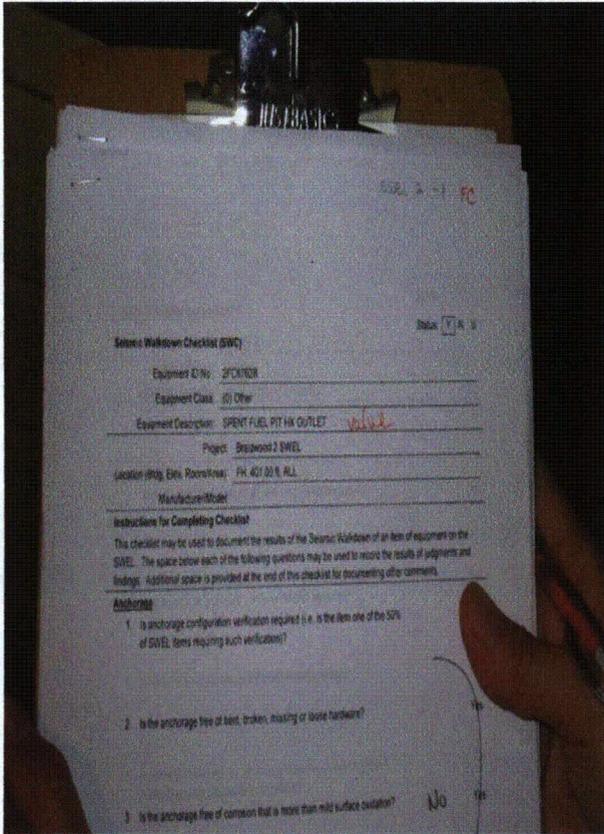
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8762B

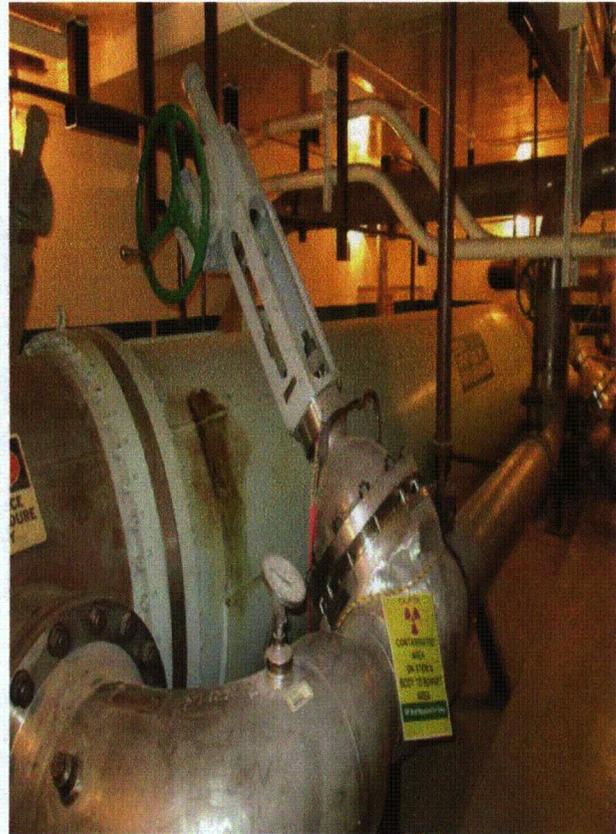
Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX OUTLET VALVE

Photos



2FC8762B 7-30-12 PM 008



2FC8762B 7-30-12 PM 009

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE DRN VALVE

Project: Braidwood 2 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 |

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE DRN VALVE

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

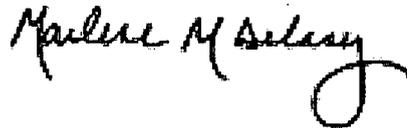
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe off of bottom of HX. Well-supported.

Comments

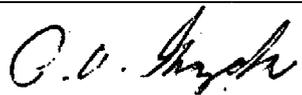
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

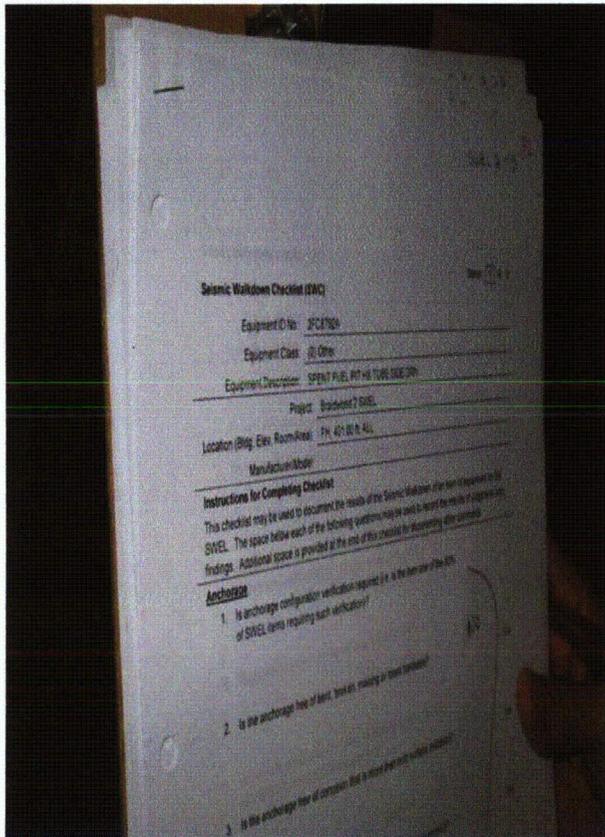
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792A

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX TUBE SIDE DRN VALVE

Photos



2FC8792A 7-30-12 PM 013



2FC8792A 7-30-12 PM 014

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE DRN VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE DRN VALVE

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

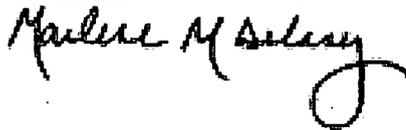
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Small diameter pipe off of bottom of HX. Well-supported.

Comments

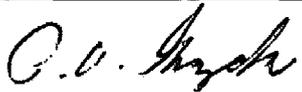
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

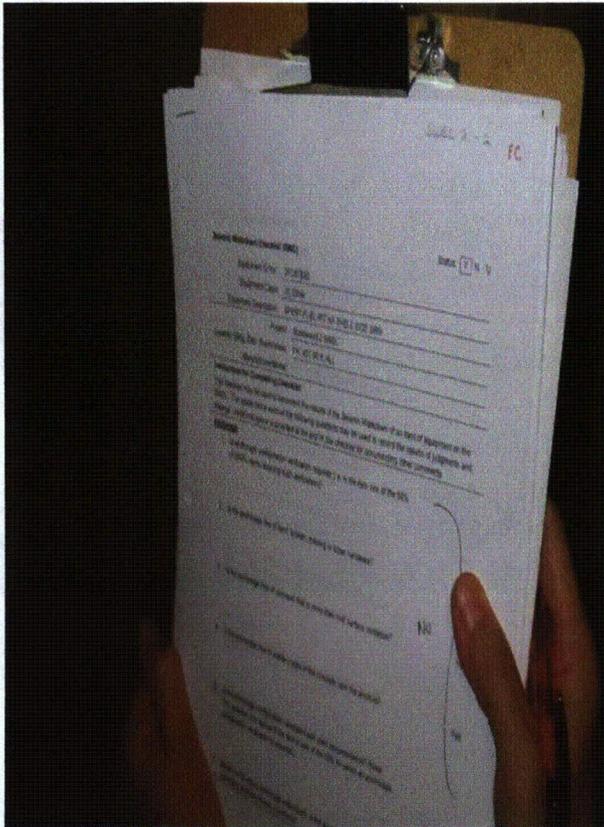
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8792B

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT HX SHELL SIDE DRN VALVE

Photos



2FC8792B 7-30-12 PM 015



2FC8792B 7-30-12 PM 016

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8793

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP DISCH CHECK VALVE

Project: Braidwood 2 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8793

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP DISCH CHECK VALVE

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?
Seismic block walls 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

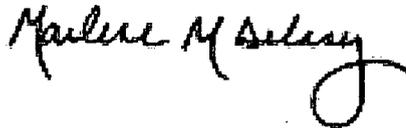
Other Adverse Conditions

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

Comments

Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FC8793

Equipment Class: (0) Other

Equipment Description: SPENT FUEL PIT PMP DISCH CHECK VALVE

Photos



2FC8793 7-30-12 PM 034

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER

Project: Braidwood 2 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
Instrument anchored to Rack 2PL84JB which is well-anchored.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER

Interaction Effects

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

Scaffold/robust barrier is built around rack 2PL84JB. Portions of scaffold are very near to instrument air lines and other components of rack. Discussed with scaffolding personnel who proceeded to modify scaffold to provide more clearance and complete stand-offs so scaffold/robust barrier cannot move into rack.

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

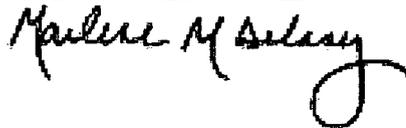
Other Adverse Conditions

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

Comments

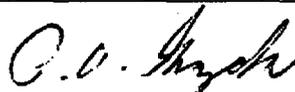
See Area Walk-by 26 for discussion on seismic issues.
Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER

Photos



2FT-AF012 (AWB- SEISMIC 2 OVER 1) 8-1-12 AM
042



2FT-AF012 (AWB- SEISMIC 2 OVER 1) 8-1-12 PM
001

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER



2FT-AF012 (AWB- SIESMIC 2 OVER 1) 8-1-12 PM
003



2FT-AF012 (AWB- SIESMIC 2 OVER 1) 8-1-12 PM
004

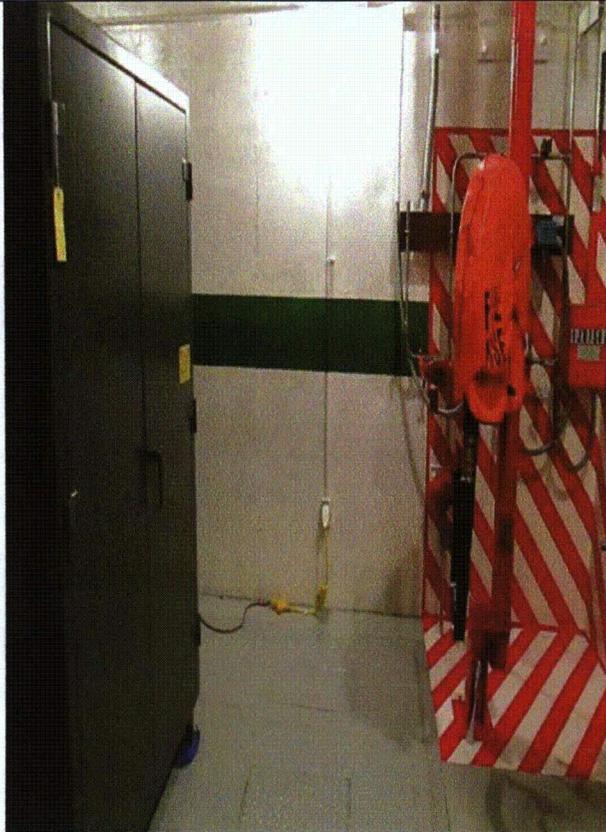
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER



2FT-AF012 (AWB- SIESMIC 2 OVER 1) 8-1-12 PM
005



2FT-AF012 8-1-12 AM 039

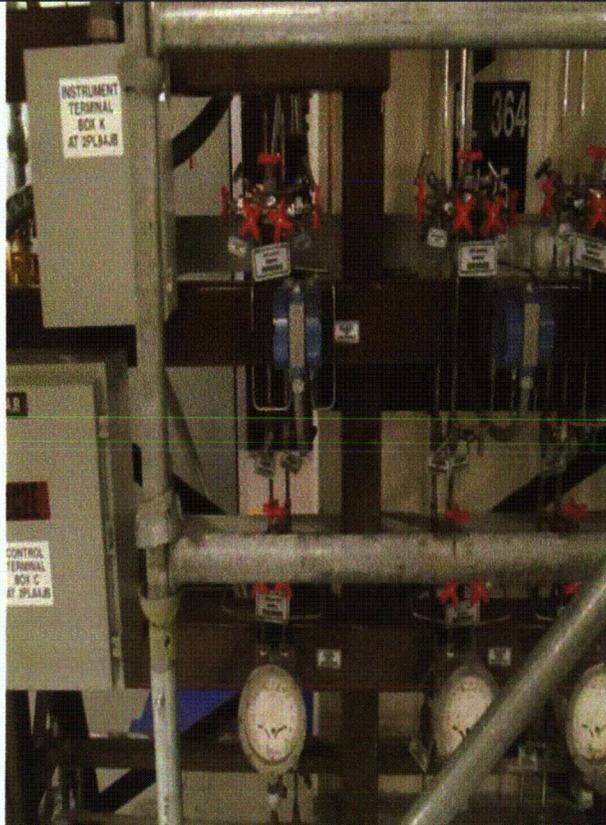
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2FT-AF012

Equipment Class: (18) Instruments on Racks

Equipment Description: AF TO SG 2A FLOW TRANSMITTER



2FT-AF012 8-1-12 AM 040



2FT-AF012 8-1-12 AM 041

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP01E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 211 TRANSFORMER - DIV. 21

Project: Braidwood 2 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 20E-0-3391BK Revision D

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.: 2IP01E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 211 TRANSFORMER - DIV. 21

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
No guards on lights but would not impact equipment if they fell. Lights supported on rods.
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

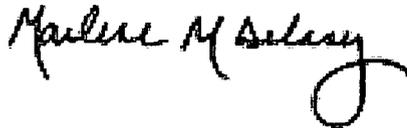
Other Adverse Conditions

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

Comments

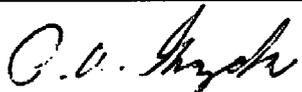
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP01E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 211 TRANSFORMER - DIV. 21

Photos



2IP01E 7-30-12 PM 048



2IP01E 7-30-12 PM 049

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP01E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 211 TRANSFORMER - DIV. 21



2IP01E 7-30-12 PM 050

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP01J

Equipment Class: (14) Distribution Panels

Equipment Description: 120VAC INSTRUMENT BUS DISTRIBUTION PANEL 211 - DIV. 21

Project: Braidwood 2 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)? No

2. Is the anchorage free of bent, broken, missing or loose hardware? Yes
Thru bolts internal to box - visually verified on control room wall which is a seismic block wall.

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.: 2IP01J

Equipment Class: (14) Distribution Panels

Equipment Description: 120VAC INSTRUMENT BUS DISTRIBUTION PANEL 211 - DIV. 21

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
Seismic block walls
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

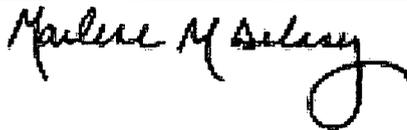
Other Adverse Conditions

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

Comments

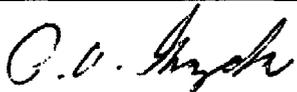
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP01J

Equipment Class: (14) Distribution Panels

Equipment Description: 120VAC INSTRUMENT BUS DISTRIBUTION PANEL 211 - DIV. 21

Photos



2IP01J 7-31-12 034

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP02E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 212 TRANSFORMER - DIV. 22

Project: Braidwood 2 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 20E-0-3391BK Revision D
1" flat to flat dimension of nut matches 5/8" diameter bolt per AISC. Bolt spacing specified as 12" minimum. Actual is approximately 13" - OK.

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.: 2IP02E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 212 TRANSFORMER - DIV. 22

Interaction Effects

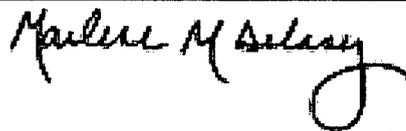
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Seismic block walls.
No bulb guard for lights but if they fell, they would not impact the equipment. OK per S&L Std EE-103
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

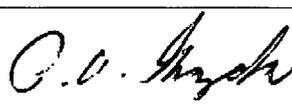
Other Adverse Conditions

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 7/31/12 am

Evaluated by:  Marlene Delaney Date: 10/1/2012

 Philip Gazda 10/1/2012

Status: Y N U

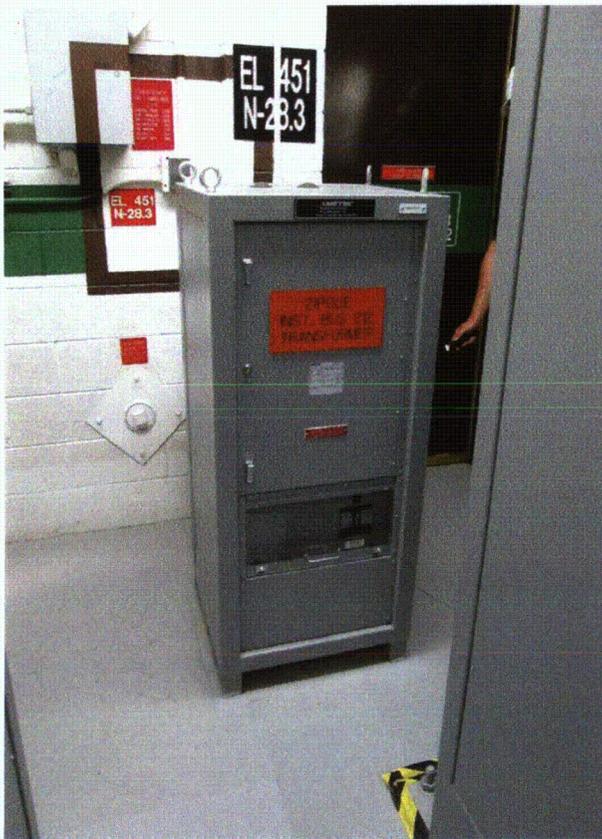
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP02E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 212 TRANSFORMER - DIV. 22

Photos



2IP02E 7-31-12 013



2IP02E 7-31-12 014

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP03E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 213 TRANSFORMER - DIV. 21

Project: Braidwood 2 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.)
Drawing 30E-0-3391BK Revision D Yes

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.: 2IP03E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 213 TRANSFORMER - DIV. 21

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
*No guards on light bulbs but would not impact equipment if the lights fell.
Lights supported on rods.*
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

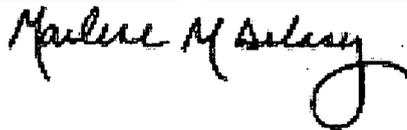
Other Adverse Conditions

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

Comments

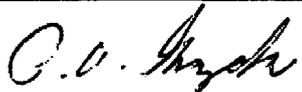
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP03E

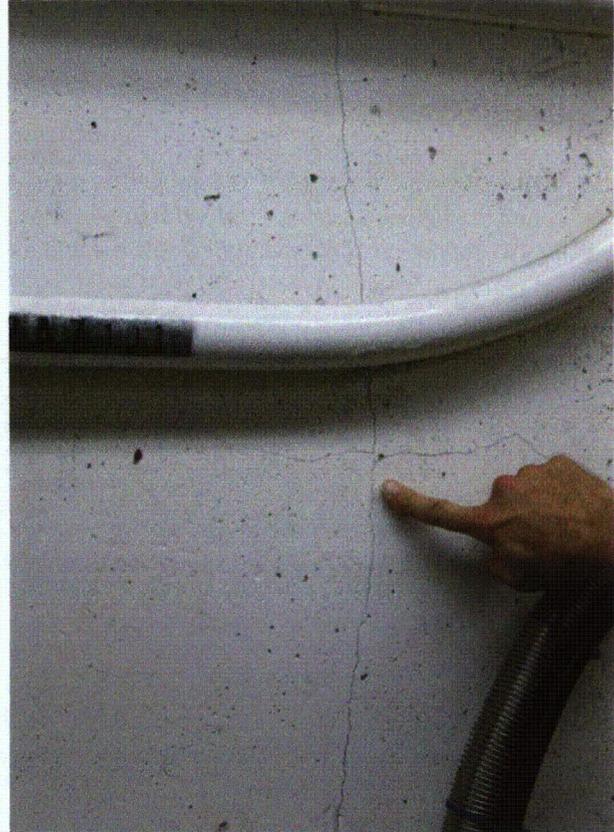
Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 213 TRANSFORMER - DIV. 21

Photos



2IP03E (np -6695) 7-30-12 PM 054



2IP03E (NP-6695) 7-30-12 PM 053

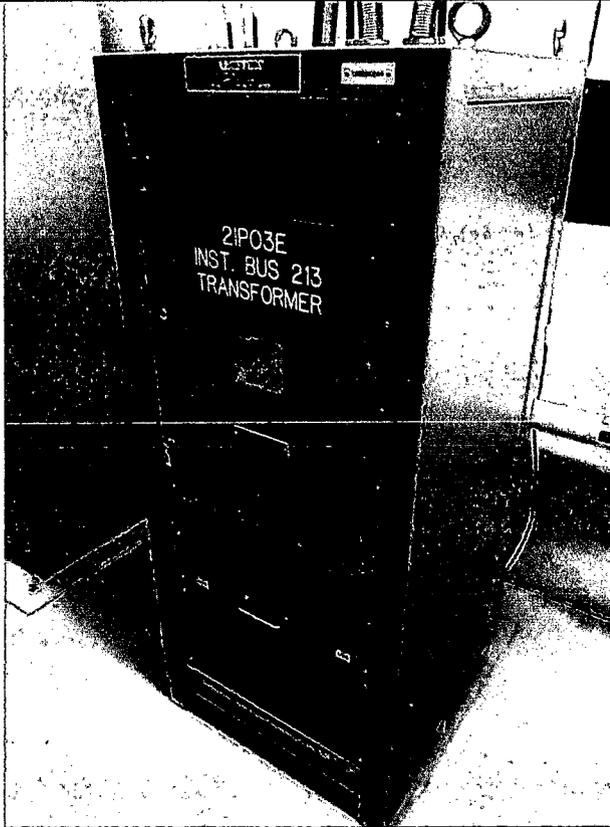
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP03E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 213 TRANSFORMER - DIV. 21



2IP03E 7-30-12 PM 051



2IP03E 7-30-12 PM 052

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP04E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 214 TRANSFORMER - DIV. 22

Project: Braidwood 2 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 20E-0-3391BK Revision D
1" flat to flat dimension of nut matches 5/8" diameter bolt per AISC.

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.: 2IP04E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 214 TRANSFORMER - DIV. 22

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
Seismic block walls.
No bulb guard for lights but they would not impact equipment if they fell. OK per S&L Std EE-103
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

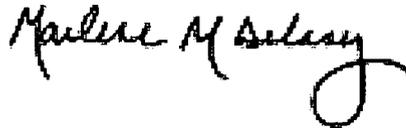
Other Adverse Conditions

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

Comments

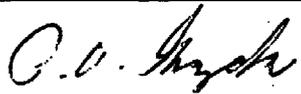
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP04E

Equipment Class: (4) Transformers

Equipment Description: INSTRUMENT BUS 214 TRANSFORMER - DIV. 22

Photos



2IP04E 7-31-12 015



2IP04E 7-31-12 016

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP05E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 211 INVERTER - DIV. 21

Project: Braidwood 2 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
*Verified 5/8 inch diameter bolt by measuring the flat to flat dimension of bolt head. Measure 1", per AISC should be 1 1/16" which is within tolerances of tape measure. Height of bolt head matches AISC.
Drawing 20E-0-3391BK Revision D*

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.: 2IP05E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 211 INVERTER - DIV. 21

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

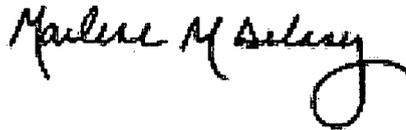
Other Adverse Conditions

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

Comments

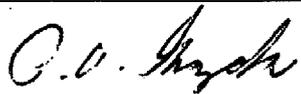
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP05E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 211 INVERTER - DIV. 21

Photos



2IP05E 7-30-12 PM 055



2IP05E 7-30-12 PM 056

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP05E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 211 INVERTER - DIV. 21



2IP05E 7-30-12 PM 057

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP06E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 212 INVERTER - DIV. 22

Project: Braidwood 2 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.)
Drawing 20E-0-3391BK Revision D Yes

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.: 2IP06E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 212 INVERTER - DIV. 22

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
Seismic block walls.
No bulb guards for lights but they would not impact equipment if they fell. S&L Std E-103 -ok
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

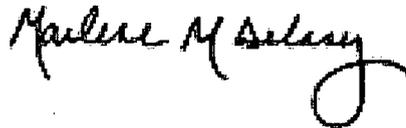
Other Adverse Conditions

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

Comments

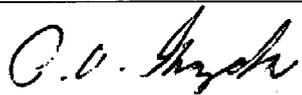
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP06E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 212 INVERTER - DIV. 22

Photos



2IP06E 7-31-12 017



2IP06E 7-31-12 018

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP06E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 212 INVERTER - DIV. 22



2IP06E 7-31-12 019

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP07E

Equipment Class: (16) Battery Chargers and Inverters

Equipment Description: INSTRUMENT BUS 213 INVERTER - DIV. 21

Project: Braidwood 2 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.)
Drawing 20E-0-3391BK Revision D Yes

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.: 2IP07E

Equipment Class: (16) Battery Chargers and Inverters

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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

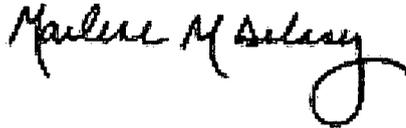
Other Adverse Conditions

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

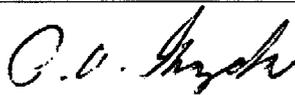
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2IP07E

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Photos



2IP07E 7-30-12 PM 058