

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC01JB

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

Equipment Description: CONTROL ROOM HVAC SYST LOCAL CONT PANEL ASMBLY

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.: 0VC01JB

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

Equipment Description: CONTROL ROOM HVAC SYST LOCAL CONT PANEL ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Fire protection piping 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

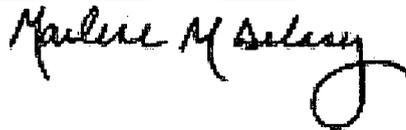
Other Adverse Conditions

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

Comments

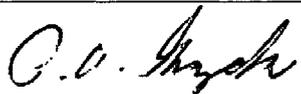
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC01JB

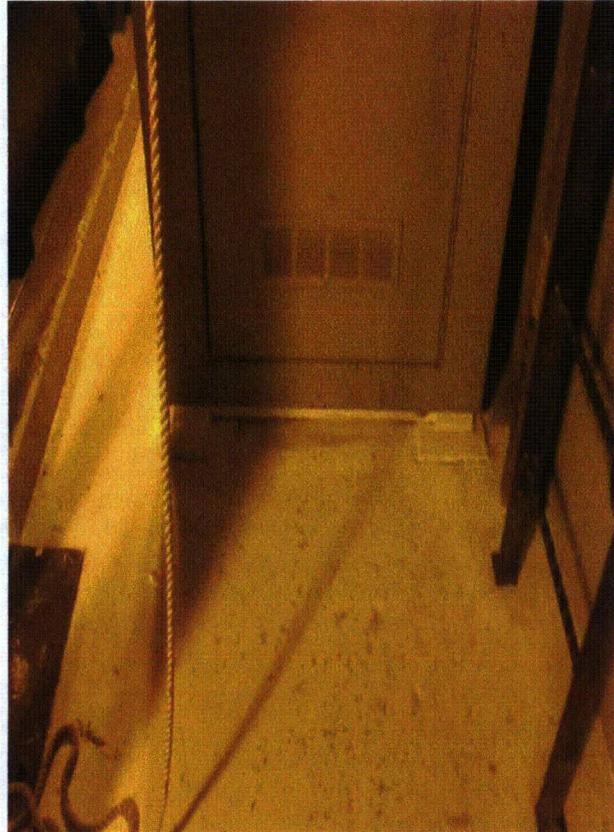
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: CONTROL ROOM HVAC SYST LOCAL CONT PANEL ASMBLY

Photos



0CV01JB 7-31-12 032



0VC01JB 7-31-12 033

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC02FA

Equipment Class: (10) Air Handlers

Equipment Description: CONTROL RM REC CHARCOAL FILTER A TRAIN ASMBLY

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
Welded to beam at top and along bottom.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC02FA

Equipment Class: (10) Air Handlers

Equipment Description: CONTROL RM REC CHARCOAL FILTER A TRAIN ASMBLY

Interaction Effects

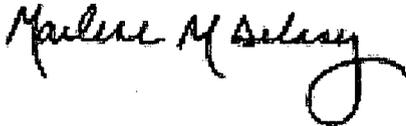
7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
Seismic block walls Yes
9. Do attached lines have adequate flexibility to avoid damage? 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?
Very robust piece of 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

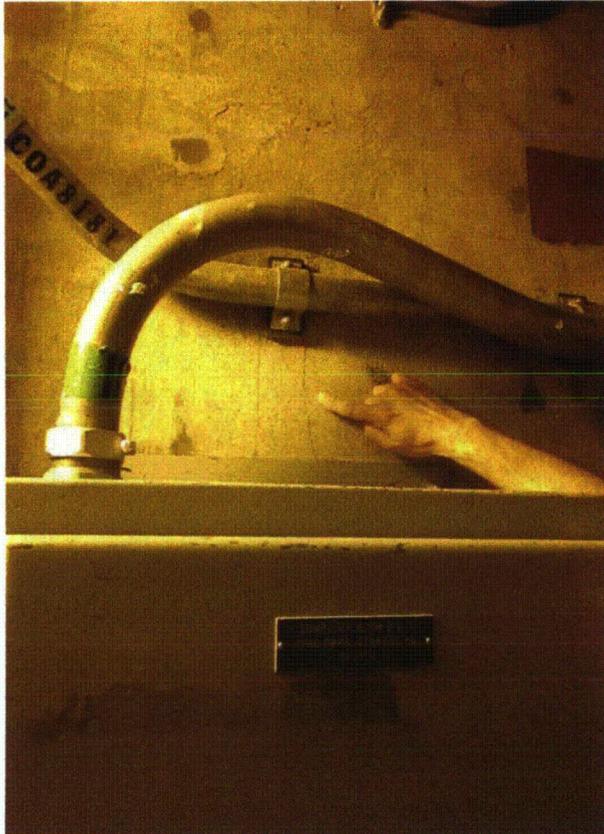
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC02FA

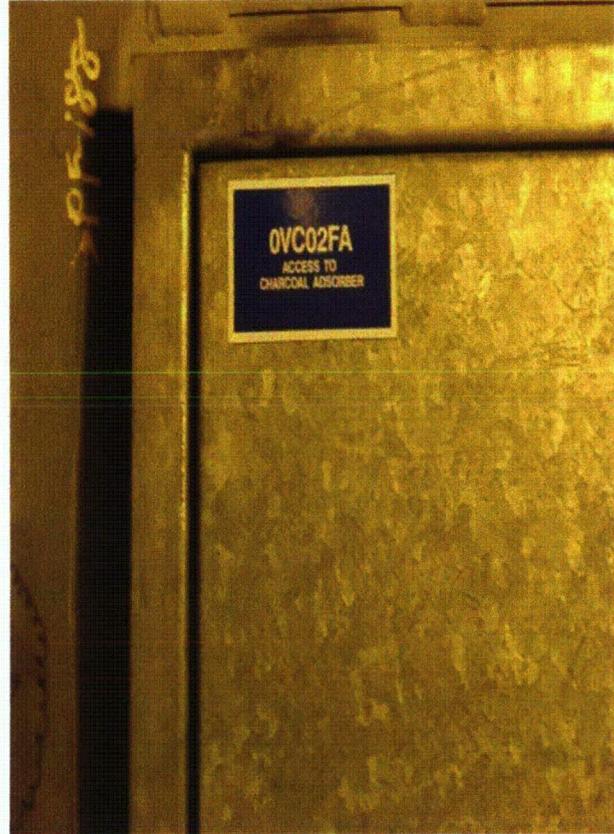
Equipment Class: (10) Air Handlers

Equipment Description: CONTROL RM REC CHARCOAL FILTER A TRAIN ASMBLY

Photos



0VC02FA (NP-6695) 7-31-12 061



0VC02FA 7-31-12 057

Status: Y N U

Seismic Walkdown Checklist (SWC)

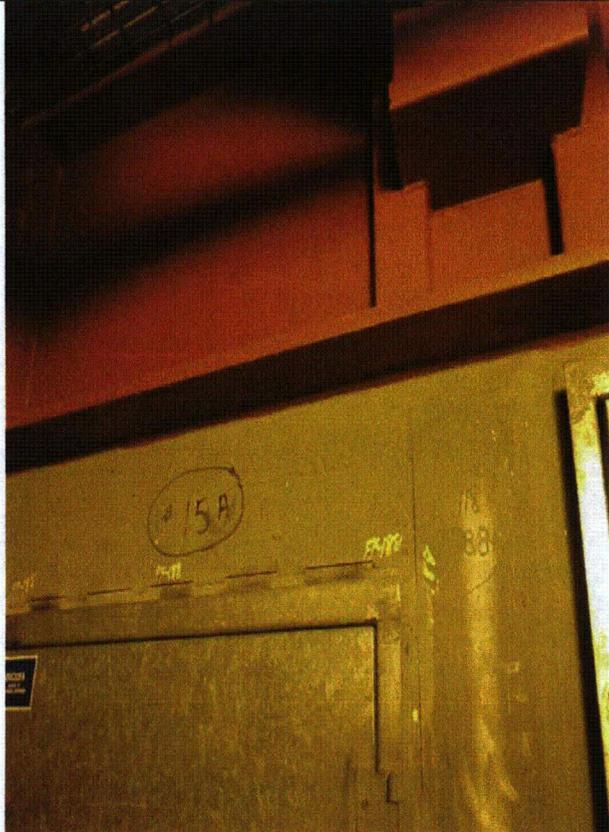
Equipment ID No.: 0VC02FA

Equipment Class: (10) Air Handlers

Equipment Description: CONTROL RM REC CHARCOAL FILTER A TRAIN ASMBLY



0VC02FA 7-31-12 058



0VC02FA 7-31-12 060

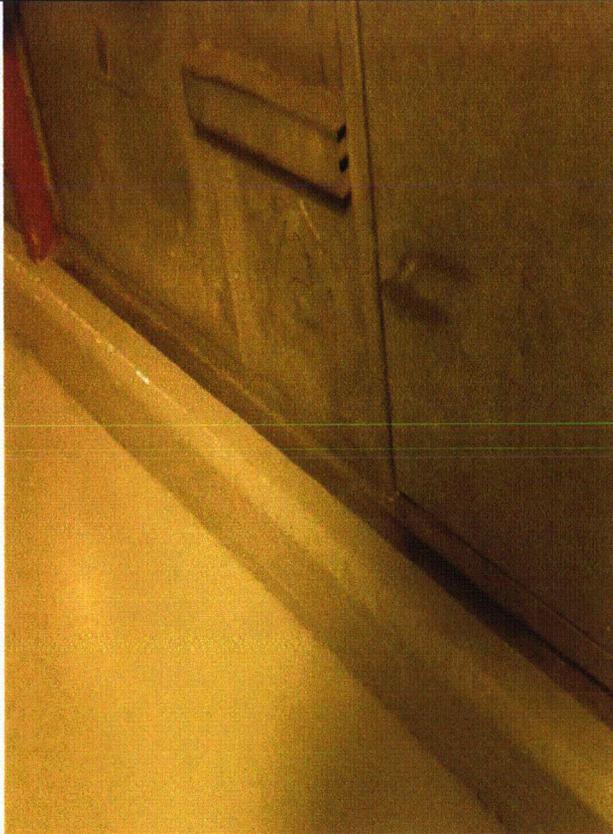
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC02FA

Equipment Class: (10) Air Handlers

Equipment Description: CONTROL RM REC CHARCOAL FILTER A TRAIN ASMBLY



0VC02FA7-31-12 059

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC16J

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

Equipment Description: MCR U-2 HVAC START PNL

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

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

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

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

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

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Not Applicable

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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC16J

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

Equipment Description: MCR U-2 HVAC START PNL

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Ladders are chained in ladder storage area.
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

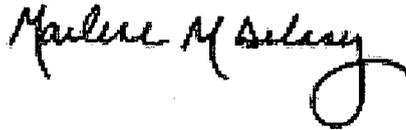
Other Adverse Conditions

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

Comments

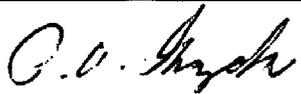
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 0VC16J

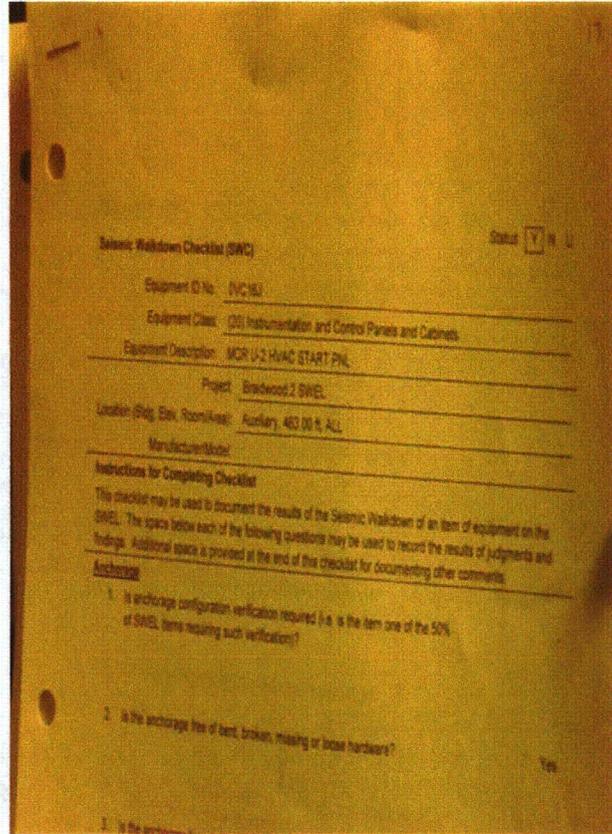
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: MCR U-2 HVAC START PNL

Photos



0VC16J (NP-6695) 7-31-12 029



0VC16J 7-31-12 028

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005C

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

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 is mounted on rack 2PL84JB which is well-anchored

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005C

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

Interaction Effects

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

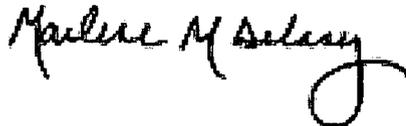
Other Adverse Conditions

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

Comments

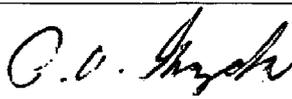
Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005C

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

Photos



2AF005C 8-1-12 AM 038

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005G

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

Project: Braidwood 2 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 364.00 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? 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.: 2AF005G

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

Interaction Effects

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

*Handwheel for valve 2AF005H is less than 1/8" from the actuator of valve 2AF005G. Piping is observed to be well-supported (lateral movement is limited and impact would be to rugged part of valve).
IR 1396037 written documenting engineering review of the seismic movements. Due to the relatively small displacements and the nature of the contact (hand wheel to air actuator) such contact will not result in valve assembly distortion that will challenge the function of the valve to open.*

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 8/1/12 am

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005G

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/1/2012

P. V. Gazda

Philip Gazda

10/1/2012

Photos



2AF005G 8-1-12 AM 035



2AF005G 8-1-12 AM 036

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF005G

Equipment Class: (7) Fluid-Operated Valves

Equipment Description: S/G 2C FLOW CONT VLV ASMBLY



2AF005G 8-1-12 AM 037

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF006A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Project: Braidwood 2 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 383.00 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? 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.: 2AF006A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Interaction Effects

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

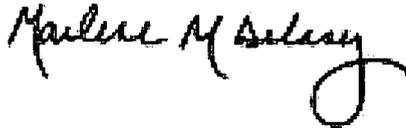
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
*On same piping as 2AF017A
Pipe and valve are well-supported*

Comments

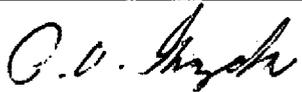
Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF006A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Photos



2AF006A (AWB - BOLT CORROSION OK) 8-1-12
AM 033



2AF006A (AWB - BOLT CORROSION OK) 8-1-12
AM 034

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF006A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY



2AF006A 8-1-12 AM 032

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF017A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Project: Braidwood 2 SWEL

Location (Bldg, Elev, Room/Area): Auxiliary, 383.00 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? 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.: 2AF017A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Cable trays are 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
*Valve is on same pipe as 2AF006A
Valve has nearby vertical and lateral supports
Valve operator is near WS piping but is well-supported so not a seismic concern*

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Evaluated by:

Marlene M Delaney

Marlene Delaney

Date: 10/1/2012

P. V. Gazda

Philip Gazda

10/1/2012

Status: Y N U

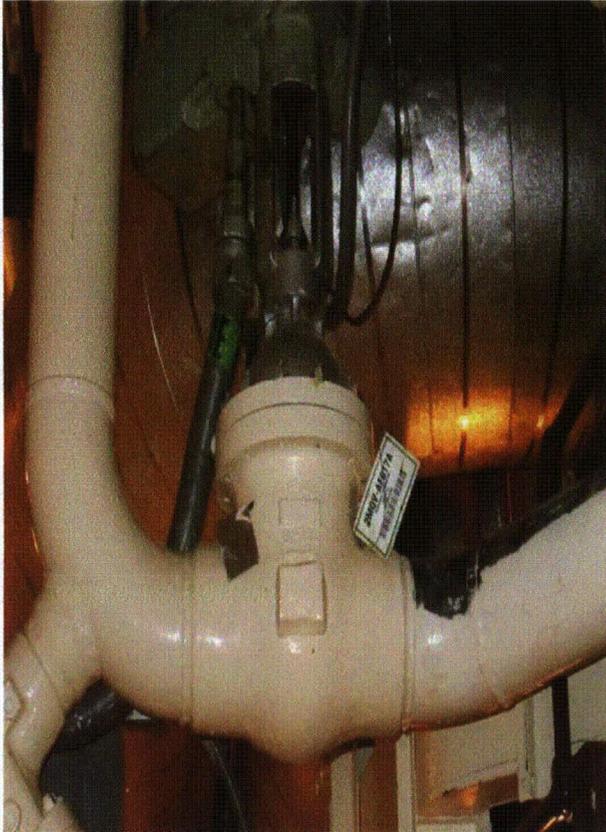
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF017A

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

Equipment Description: AUXILIARY FEEDWATER PMP 2A SX SUCT VLV ASMBLY

Photos



2AF017A 8-1-12 AM 025

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01EA-A

Equipment Class: (15) Batteries on Racks

Equipment Description: BATTERY 1 AUXILIARY FEEDWATER PUMP

Project: Braidwood 2 SWEL

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

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-0-3322D09 Revision V

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.: 2AF01EA-A

Equipment Class: (15) Batteries on Racks

Equipment Description: BATTERY 1 AUXILIARY FEEDWATER PUMP

Interaction Effects

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

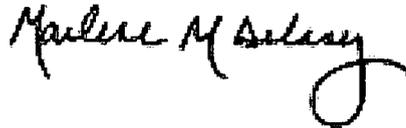
Other Adverse Conditions

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

Comments

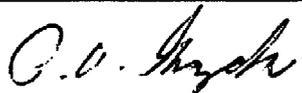
Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01EA-A

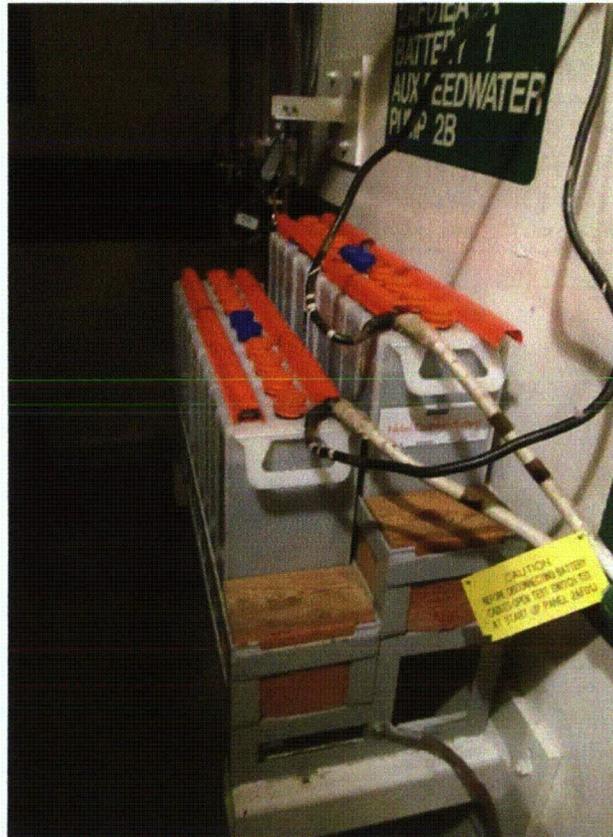
Equipment Class: (15) Batteries on Racks

Equipment Description: BATTERY 1 AUXILIARY FEEDWATER PUMP

Photos



2AF01EA-A 8-1-12 AM 023



2AF01EA-A 8-1-12 AM 024

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01J

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

Equipment Description: AUX FEEDWATER PUMP 2B STARTUP PANEL ASMBLY

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 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-0-3391P Revision M
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.: 2AF01J

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

Equipment Description: AUX FEEDWATER PUMP 2B STARTUP PANEL ASMBLY

Interaction Effects

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

Other Adverse Conditions

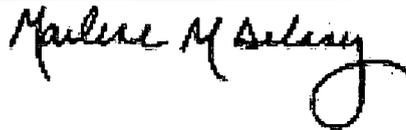
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

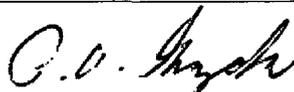
See AWC 24 for discussion on DO site glass

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

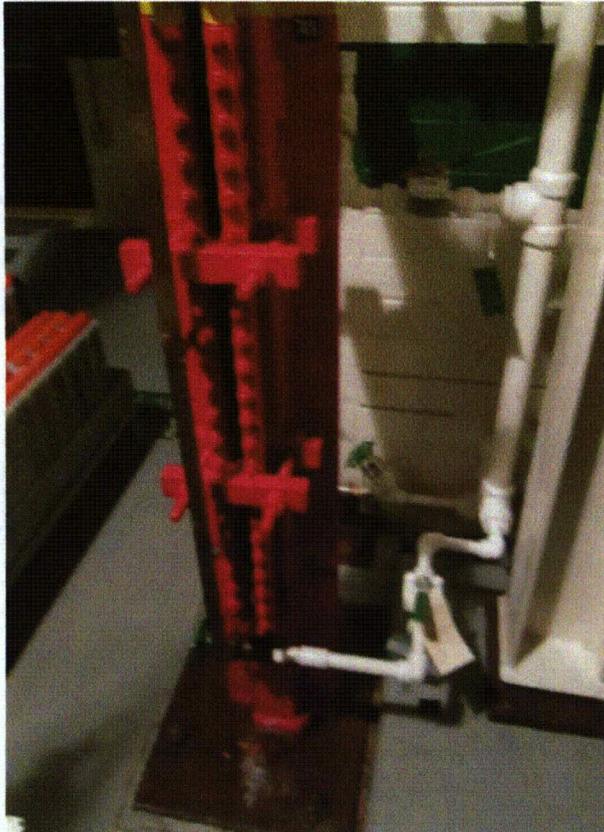
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01J

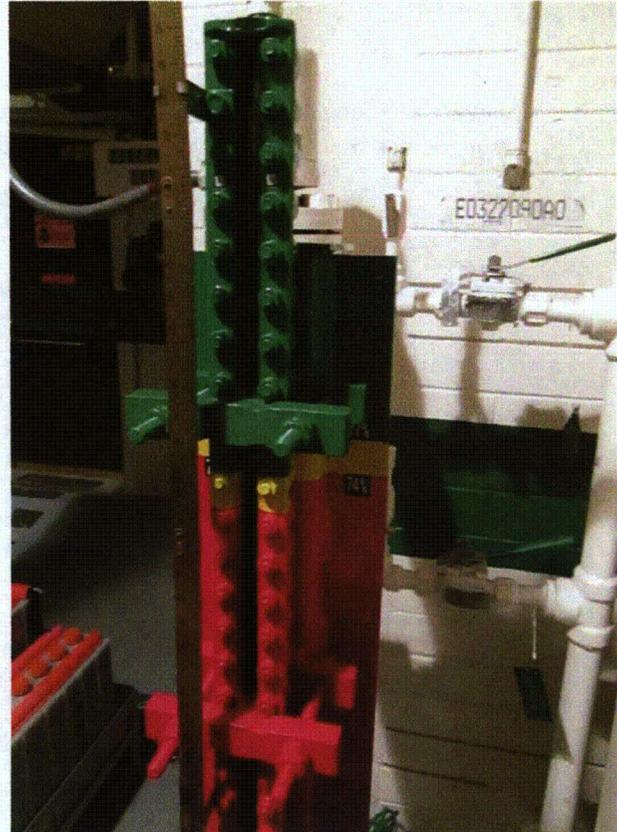
Equipment Class: (20) Instrumentation and Control Panels and Cabinets

Equipment Description: AUX FEEDWATER PUMP 2B STARTUP PANEL ASMBLY

Photos



2AF01J (AWB - DO SITE GLASS OK) 8-1-12 AM 021



2AF01J (AWB - DO SITE GLASS OK) 8-1-12 AM 022

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01J

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

Equipment Description: AUX FEEDWATER PUMP 2B STARTUP PANEL ASMBLY



2AF01J 8-1-12 AM 018



2AF01J 8-1-12 AM 020

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01J

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

Equipment Description: AUX FEEDWATER PUMP 2B STARTUP PANEL ASMBLY



2AF01J8-1-12 AM 019

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP AUX FEEDWATER, MOTOR DRIVEN ASMBLY

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 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-1221 Sheet 2 Revision AD Detail 56A
Not that bolt diameter at wall was not measured due to location but quantity verified. Bolts same size as side that was measured.*

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.: 2AF01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP AUX FEEDWATER, MOTOR DRIVEN ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
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 structural/seismic issues

Comments

Seismic walkdown team M. Delaney & P. Gazda 8/1/12 am

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP AUX FEEDWATER, MOTOR DRIVEN ASMBLY

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/1/2012

P. O. Gazda

Philip Gazda

10/1/2012

Photos



2AF01PA 8-1-12 AM 026



2AF01PA 8-1-12 AM 027

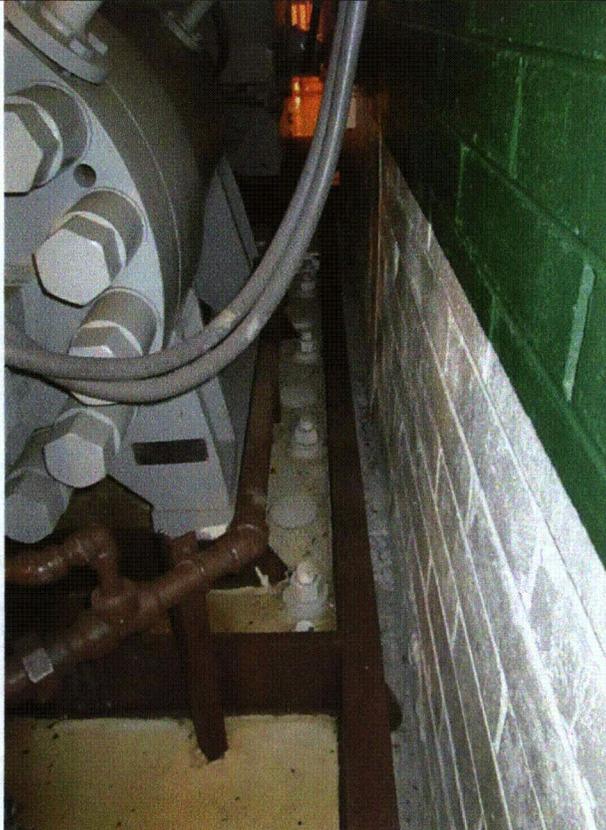
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP AUX FEEDWATER, MOTOR DRIVEN ASMBLY



2AF01PA 8-1-12 AM 028



2AF01PA 8-1-12 AM 029

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: AUX FEEDWATER PUMP 2A AUX LUBE OIL PUMP

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable

4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Not Applicable

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
*Pump is mounted on skid of horizontal pump 2AF01PA
See SWC for 2AF01PA for anchorage verification of skid
2AF01PA-A is well-anchored to skid*

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: AUX FEEDWATER PUMP 2A AUX LUBE OIL PUMP

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

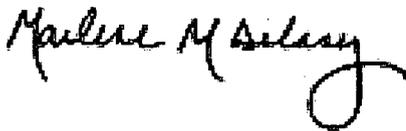
Other Adverse Conditions

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 8/1/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

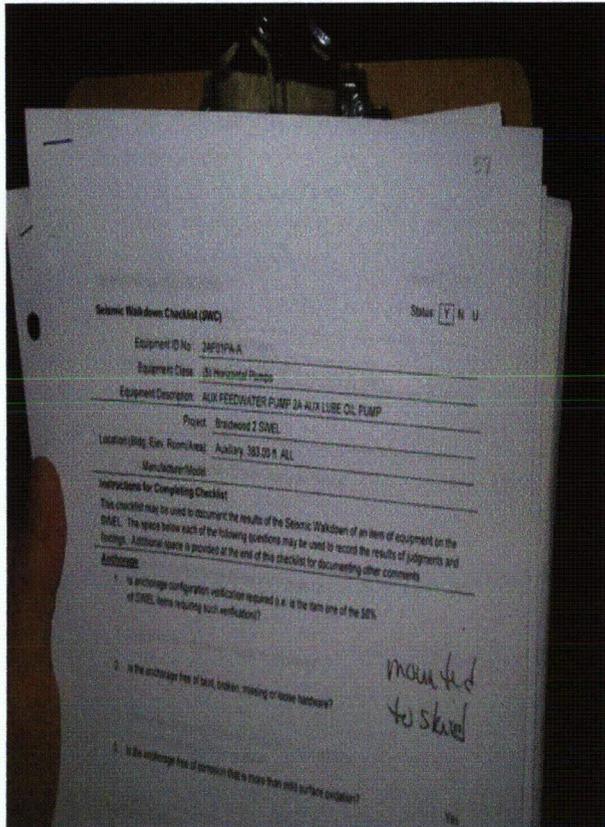
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AF01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: AUX FEEDWATER PUMP 2A AUX LUBE OIL PUMP

Photos



2AF01PA-A 8-1-12 AM 030



2AF01PA-A 8-1-12 AM 031

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP13E

Equipment Class: (4) Transformers

Equipment Description: EQ UNIT SUBSTATION 232X TRAN 480V ESF

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)? 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-0-3391F Revision AN
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.: 2AP13E

Equipment Class: (4) Transformers

Equipment Description: EQ UNIT SUBSTATION 232X TRAN 480V ESF

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
Well-supported HVAC and cable trays
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

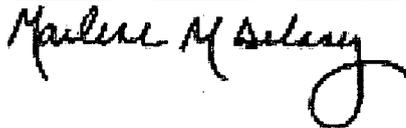
Other Adverse Conditions

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

Comments

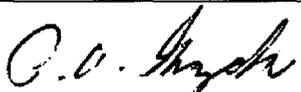
Seismic walkdown team M. Delaney & P. Gazda 7/31/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP13E

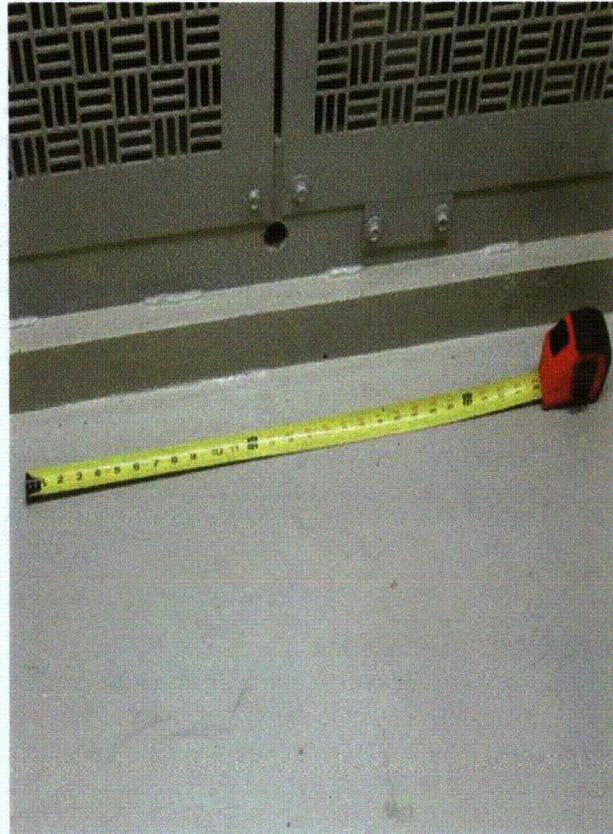
Equipment Class: (4) Transformers

Equipment Description: EQ UNIT SUBSTATION 232X TRAN 480V ESF

Photos



2AP13E 7-31-12 068



2AP13E 7-31-12 069

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP13E

Equipment Class: (4) Transformers

Equipment Description: EQ UNIT SUBSTATION 232X TRAN 480V ESF



2AP13E 7-31-12 070

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP22E

Equipment Class: (1) Motor Control Centers

Equipment Description: 480V AUX BLDG ESF MCC 231X3 ASMBLY

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? 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.: 2AP22E

Equipment Class: (1) Motor Control Centers

Equipment Description: 480V AUX BLDG ESF MCC 231X3 ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Overhead cable trays are well-supported.
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

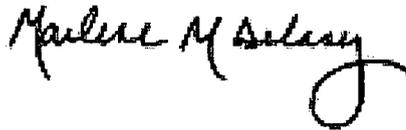
Other Adverse Conditions

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 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.: 2AP22E

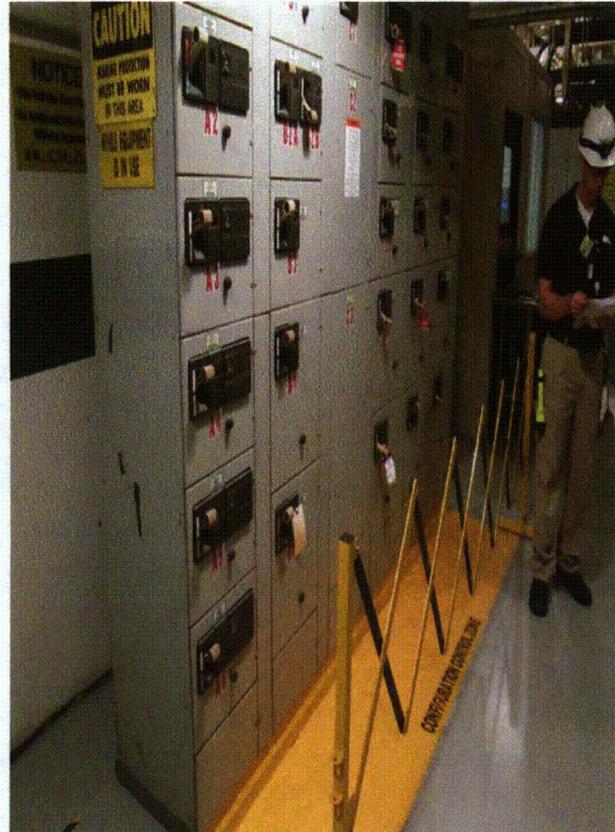
Equipment Class: (1) Motor Control Centers

Equipment Description: 480V AUX BLDG ESF MCC 231X3 ASMBLY

Photos



2AP22E 8-1-12 AM 043



2AP22E 8-1-12 AM 044

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP27E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X2 ASMBLY

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)? 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 and 20E-0-3391AT Revision V

Drawing specified weld of 1 1/2" at 8 while actual weld is 2" at 9. The percentage of weld required per the drawing equals $1.5/8 \times 100\% = 18.75\%$. The percentage of actual weld equals $2/9 \times 100\% = 22.22\%$ which is larger than the amount required per the drawing therefore it is acceptable.
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.: 2AP27E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X2 ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Cable trays are 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 8/2/12 pm

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP27E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X2 ASMBLY

Marlene M Delaney

Evaluated by:

Marlene Delaney

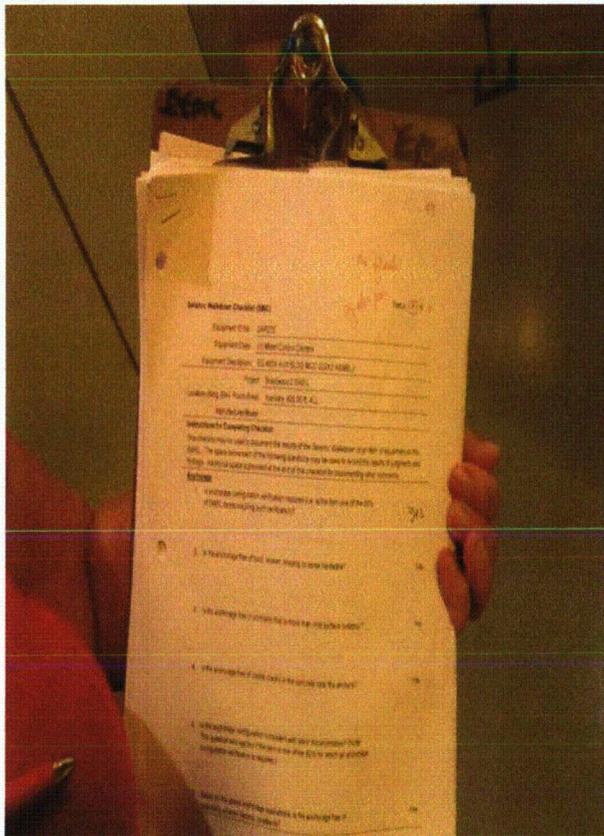
Date: 10/1/2012

P. O. Gazda

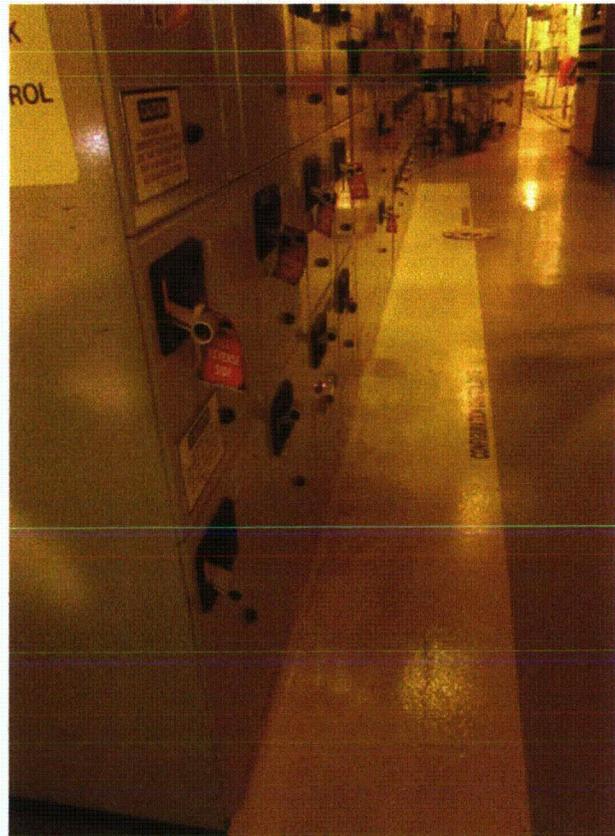
Philip Gazda

10/1/2012

Photos



2AP27E 8-2-12 036



2AP27E 8-2-12 037

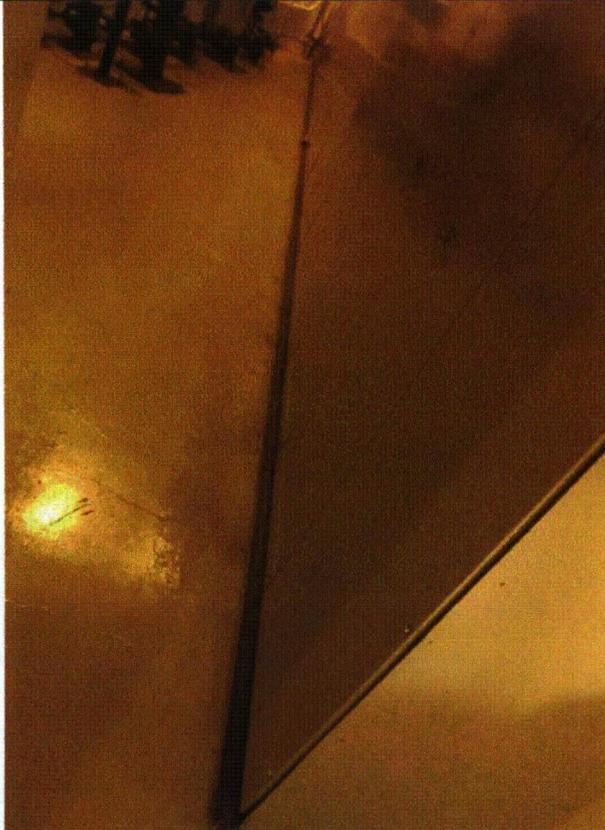
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP27E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X2 ASMBLY



2AP27E 8-2-12 038

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP30E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG ESF MCC 231X5 ASMBLY

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)? | 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.)
<i>Drawing 20E-0-3391C Revision BM</i> | Yes |
| | <i>Drawing specified weld of 1 1/2" at 8 while actual weld is 2" at 9. The percentage of weld required per the drawing equals $1.5/8 \times 100\% = 18.75\%$. The percentage of actual weld equals $2/9 \times 100\% = 22.22\%$ which is larger than the amount required per the drawing therefore it is acceptable.</i> | |
| 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.: 2AP30E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG ESF MCC 231X5 ASMBLY

Interaction Effects

- | | |
|---|-----|
| 7. Are soft targets free from impact by nearby equipment or structures? | Yes |
| 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?
<i>Seismic block walls</i>
<i>Well-supported cable tray above</i>
<i>Adjacent fire protection line is well-supported</i> | 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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP30E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG ESF MCC 231X5 ASMBLY

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/1/2012

P. O. Gazda

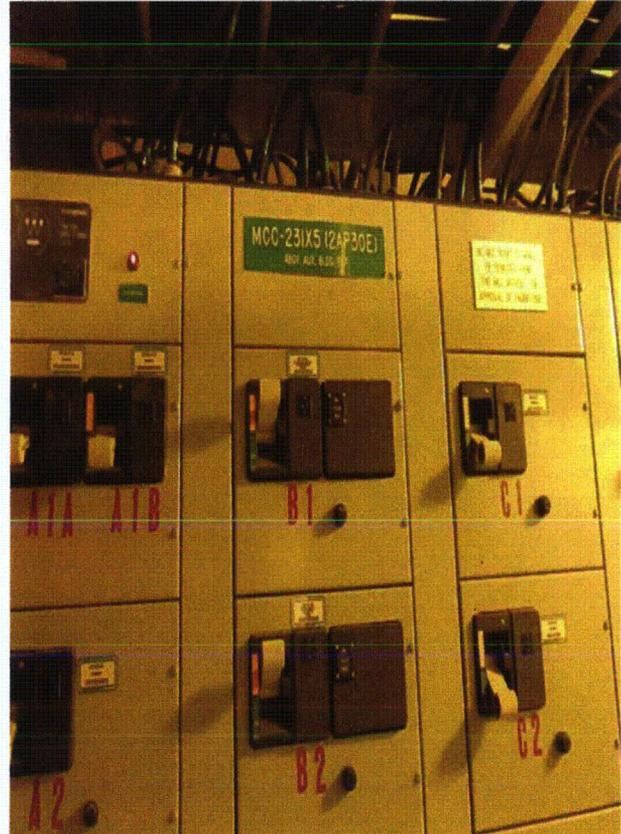
Philip Gazda

10/1/2012

Photos



2AP30E (AWB- HYDROGEN LINE) 8-2-12 035



2AP30E 8-2-12 032

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP30E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG ESF MCC 231X5 ASMBLY



2AP30E 8-2-12 033



2AP30E 8-2-12 034

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP32E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X5 ASMBLY

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)? | 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.)
<i>Drawing 20E-0-3391C Revision BM</i>

<i>Drawing specified weld of 1 1/2" at 8 while actual weld is 2" at 9. The percentage of weld required per the drawing equals $1.5/8 * 100\% = 18.75\%$. The percentage of actual weld equals $2/9 * 100\% = 22.22\%$ which is larger than the amount required per the drawing therefore it is acceptable.</i> | 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.: 2AP32E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X5 ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Cable tray above is well-supported
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 8/2/12 am

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP32E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X5 ASMBLY

Marlene M Delaney

Evaluated by:

Marlene Delaney

Date: 10/1/2012

P. V. Gazda

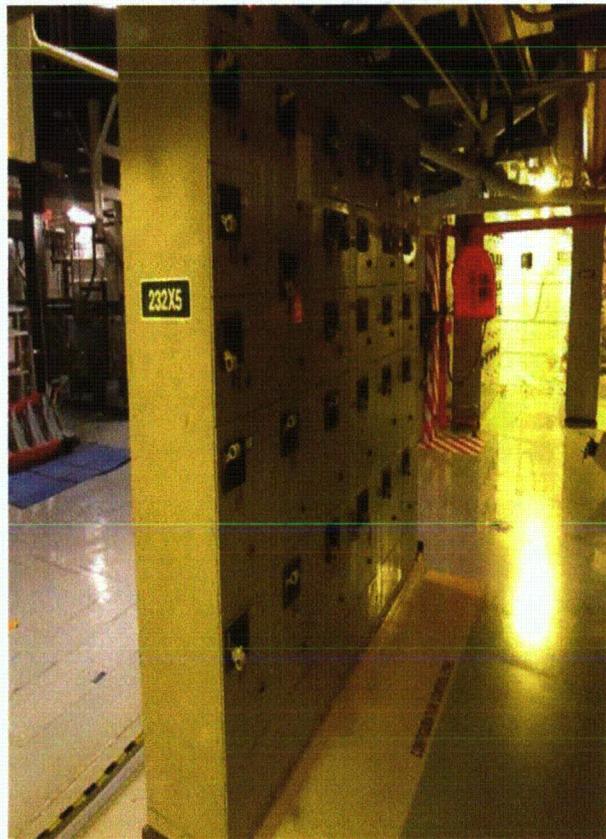
Philip Gazda

10/1/2012

Photos



2AP32E 8-2-12 028



2AP32E 8-2-12 029

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP32E

Equipment Class: (1) Motor Control Centers

Equipment Description: EQ 480V AUX BLDG MCC 232X5 ASMBLY



2AP32E 8-2-12 030



2AP32E 8-2-12 031

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP38E

Equipment Class: (1) Motor Control Centers

Equipment Description: ASSY - 480V AUX BLDG MCC 233X1

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Yes

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

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

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

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.: 2AP38E

Equipment Class: (1) Motor Control Centers

Equipment Description: ASSY - 480V AUX BLDG MCC 233X1

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
SX Drain down equipment box is approximately 9" from back of panel. IR 1396872 generated to have equipment moved.

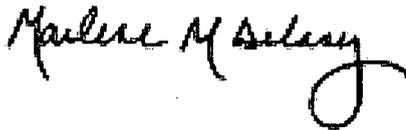
Other Adverse Conditions

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

Comments

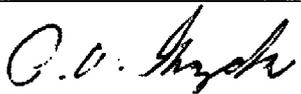
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP38E

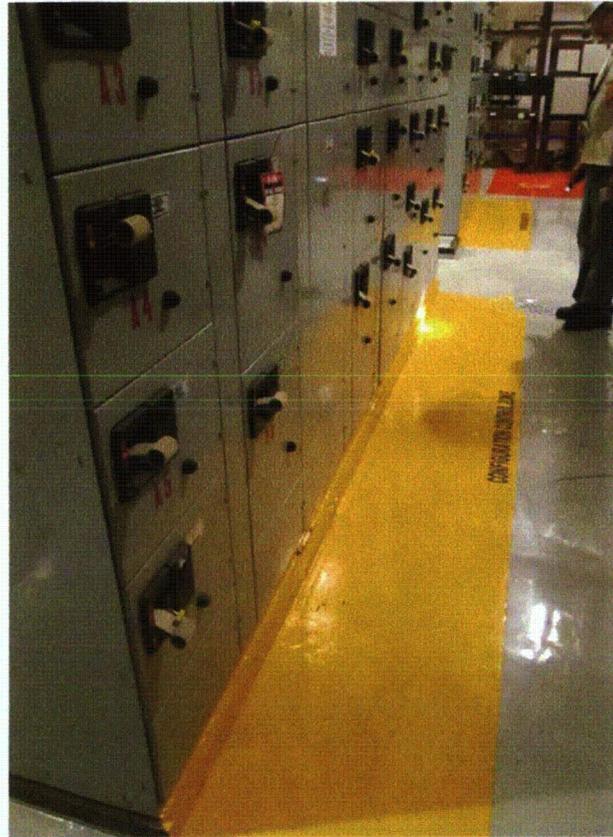
Equipment Class: (1) Motor Control Centers

Equipment Description: ASSY - 480V AUX BLDG MCC 233X1

Photos



2AP38E 8-2-12 060



2AP38E 8-2-12 061

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2AP38E

Equipment Class: (1) Motor Control Centers

Equipment Description: ASSY - 480V AUX BLDG MCC 233X1



2AP38E 8-2-12 062

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: 2A COMPONENT COOLING WTR PUMP ASMBLY

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)? 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-1229 Sheet 4 Revision U

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.: 2CC01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: 2A COMPONENT COOLING WTR PUMP ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Seismic block walls
Overhead components are 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

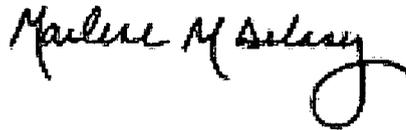
Other Adverse Conditions

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

Comments

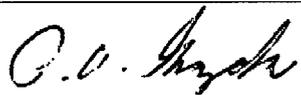
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC01PA

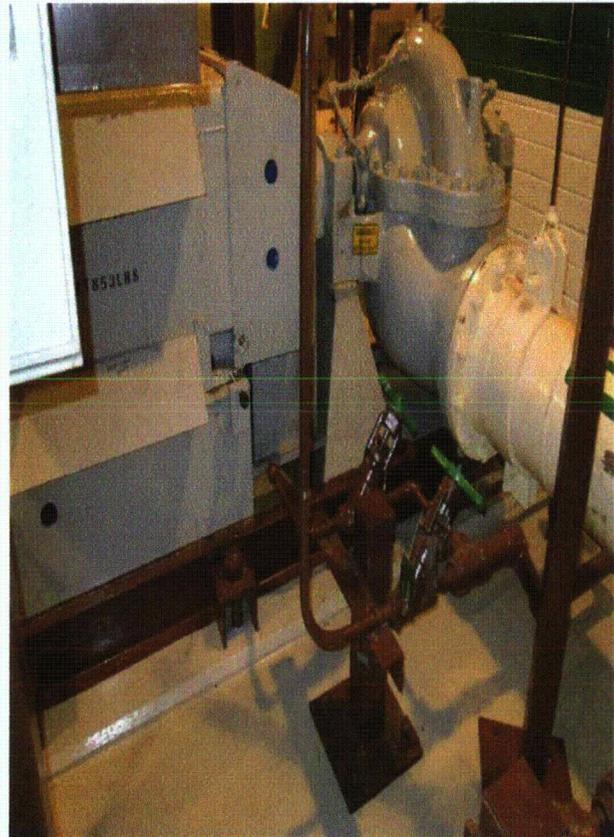
Equipment Class: (5) Horizontal Pumps

Equipment Description: 2A COMPONENT COOLING WTR PUMP ASMBLY

Photos



2CC01PA 8-2-12 040



2CC01PA 8-2-12 041

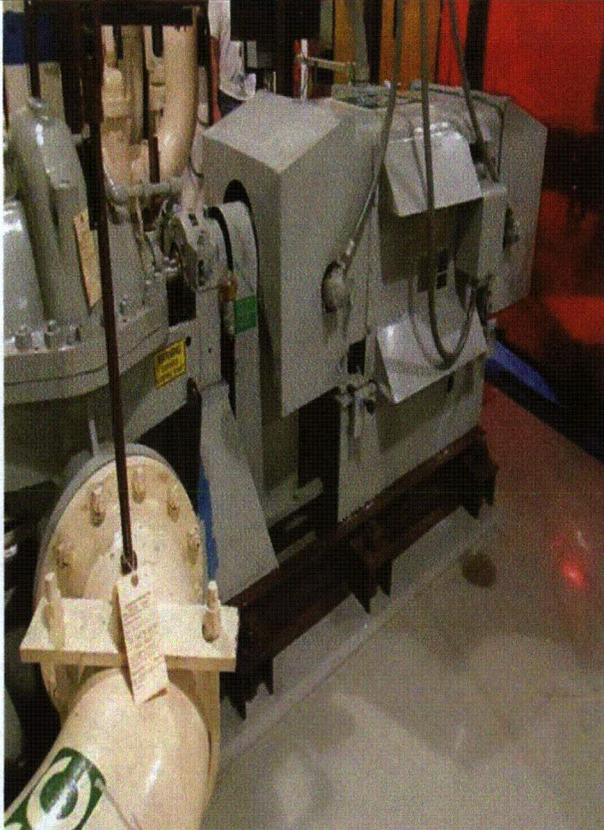
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: 2A COMPONENT COOLING WTR PUMP ASMBLY



2CC01PA 8-2-12 042

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: EQ MOTOR COMPONENT COOLING PMP 2B

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)? 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-1220 Sheet 4 Revision U

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.: 2CC01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: EQ MOTOR COMPONENT COOLING PMP 2B

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

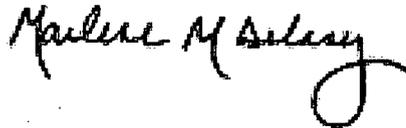
Other Adverse Conditions

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

Comments

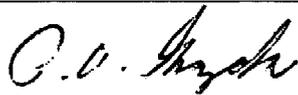
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

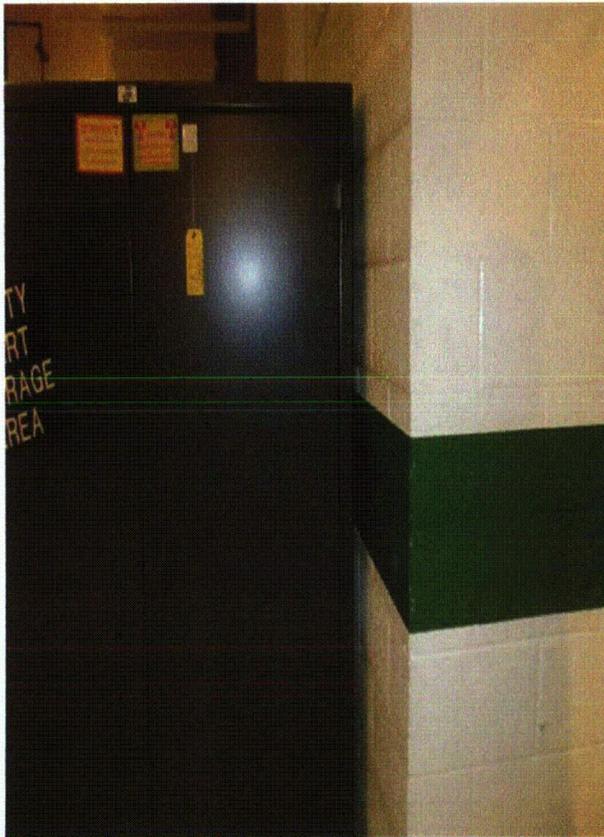
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: EQ MOTOR COMPONENT COOLING PMP 2B

Photos



2CC01PB (AWB - CLEARANCE TO MASONRY WALL) 8-2-12 046



2CC01PB (NP-6695) 8-2-12 045

Status: Y N U

Seismic Walkdown Checklist (SWC)

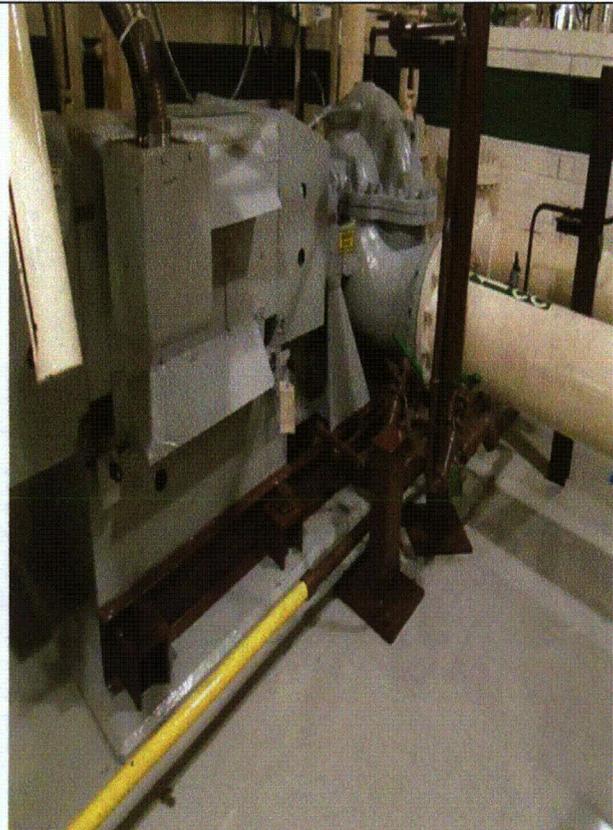
Equipment ID No.: 2CC01PB

Equipment Class: (5) Horizontal Pumps

Equipment Description: EQ MOTOR COMPONENT COOLING PMP 2B



2CC01PB 8-2-12 043



2CC01PB 8-2-12 044

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC9412A

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

Equipment Description: CC FROM RH HX 2A OUTLET ISOL ASMBLY

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.: 2CC9412A

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

Equipment Description: CC FROM RH HX 2A OUTLET ISOL ASMBLY

Interaction Effects

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

Other Adverse Conditions

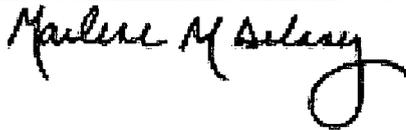
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
No structural/seismic issues

Comments

Valve is located above 2A Residual Heat Exchanger Room and 2A Safety Injection Pump Room. Visual from step ladder.

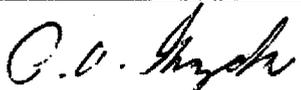
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CC9412A

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

Equipment Description: CC FROM RH HX 2A OUTLET ISOL ASMBLY

Photos



2CC9412A 8-2-12 052

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,2A CENTRIFUGAL CHARGING ASMBLY

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)? 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-1220 Sheet 2 Revision W

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.: 2CV01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,2A CENTRIFUGAL CHARGING ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
All overhead piping and components are well-supported. Block walls in area are seismic.
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

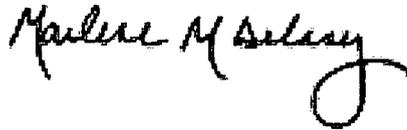
Other Adverse Conditions

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 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

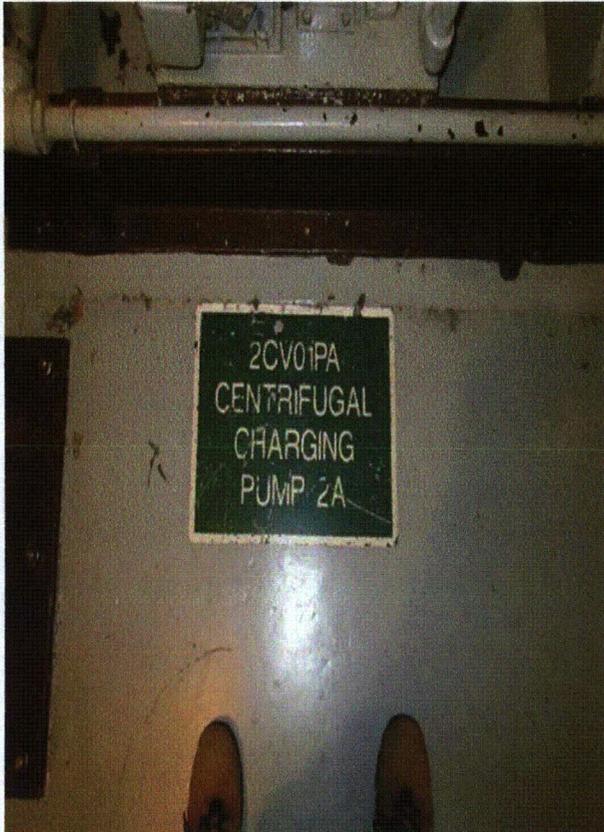
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,2A CENTRIFUGAL CHARGING ASMBLY

Photos



2CV01PA 7-30-12 AM 001



2CV01PA 7-30-12 AM 002

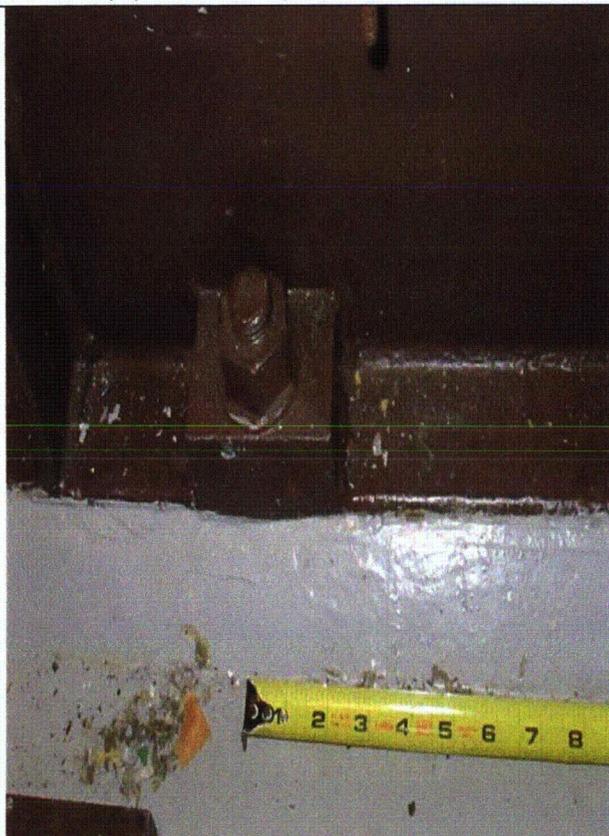
Status: Y N U

Seismic Walkdown Checklist (SWC)

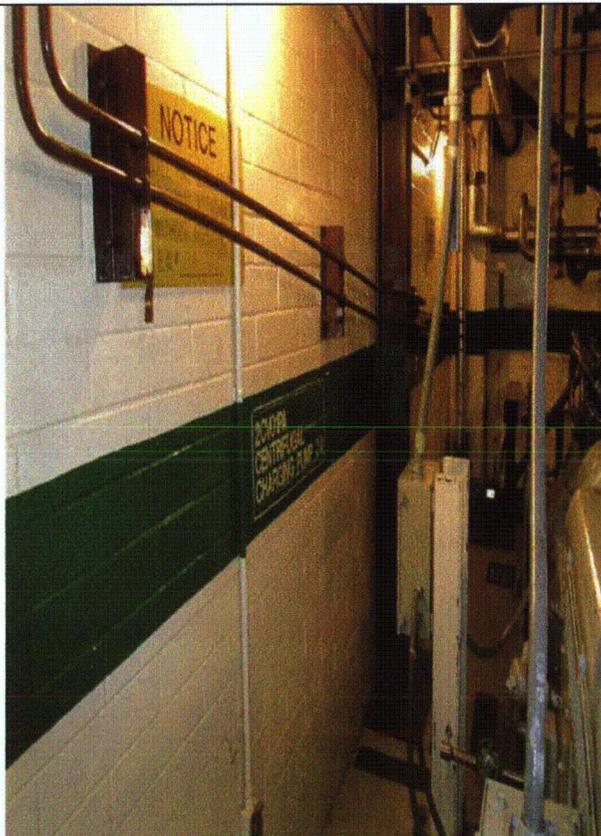
Equipment ID No.: 2CV01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,2A CENTRIFUGAL CHARGING ASMBLY



2CV01PA 7-30-12 AM 003



2CV01PA 7-30-12 AM 015

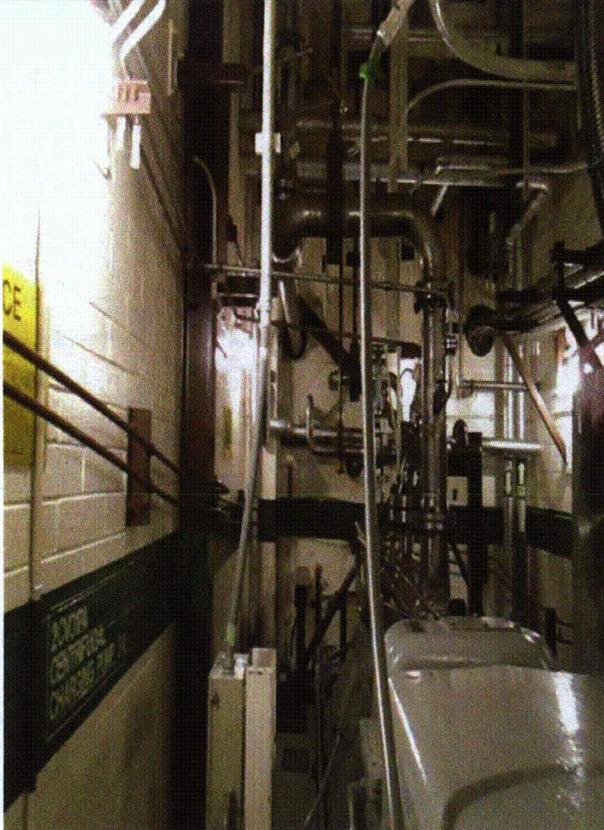
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP,2A CENTRIFUGAL CHARGING ASMBLY



2CV01PA 7-30-12 AM 016

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, CNTRFGL CHG AUX OIL PP

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
Mounted to skid.

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.) No

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
See 2CV01PA SWEC for anchorage check.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, CNTRFGL CHG AUX OIL PP

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

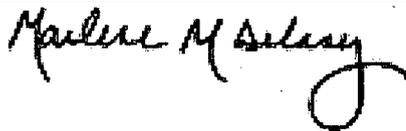
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
See 2CV01PA for notes.

Comments

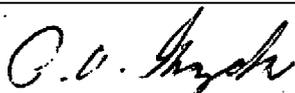
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV01PA-A

Equipment Class: (5) Horizontal Pumps

Equipment Description: PUMP, CNTRFGL CHG AUX OIL PP

Photos



2CV01PA-A 7-30-12 AM 009



2CV01PA-A 7-30-12 AM 010

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV02SA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A CV PUMP GEAR OIL COOLER

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
Mounted on skid see 2CV01PA.

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.) No

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Yes
See 2CV01PA for notes

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV02SA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A CV PUMP GEAR OIL COOLER

Interaction Effects

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

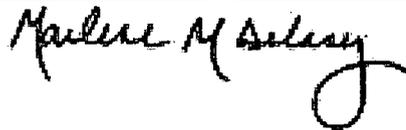
Other Adverse Conditions

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

Comments

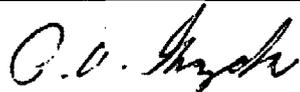
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV02SA

Equipment Class: (21) Tanks and Heat Exchangers

Equipment Description: 2A CV PUMP GEAR OIL COOLER

Photos



2CV02SA 7-30-12 AM 006

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112D

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

Equipment Description: RWST TO CHG PMPS SUCT VLV C/S AT 2PM05J ASMBLY

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.: 2CV112D

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

Equipment Description: RWST TO CHG PMPS SUCT VLV C/S AT 2PM05J ASMBLY

Interaction Effects

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

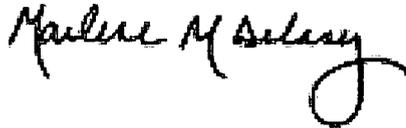
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
high in overhead, partially obstructed view due to other components

Comments

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

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

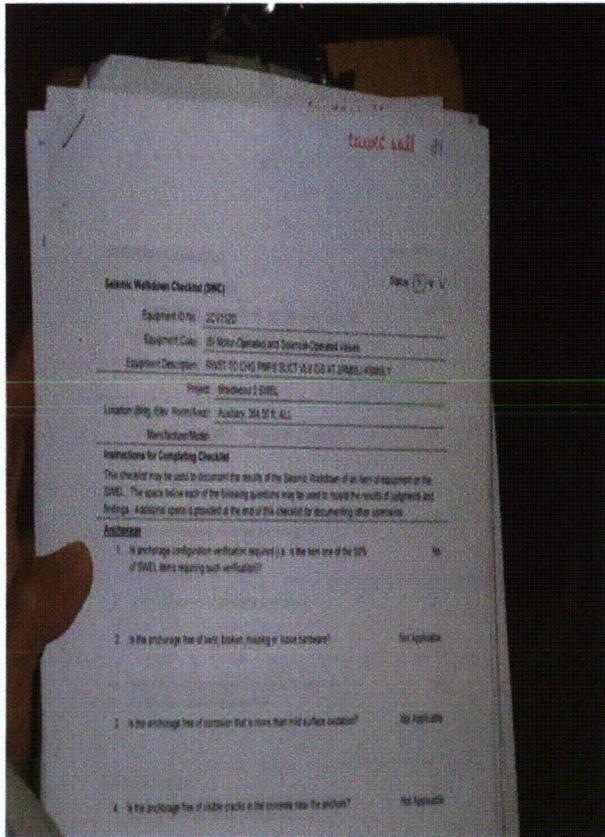
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112D

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

Equipment Description: RWST TO CHG PMP'S SUCT VLV C/S AT 2PM05J ASMBLY

Photos



2CV112D 7-30-12 AM 047



2CV112D 7-30-12 AM 048

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112E

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

Equipment Description: RWST TO CHG PMPS SUCT VLV C/S AT 2PM05J ASMBLY

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.: 2CV112E

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

Equipment Description: RWST TO CHG PMPs SUCT VLV C/S AT 2PM05J ASMBLY

Interaction Effects

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

10-21-12: Per IR 1429477: "During Fukushima walkdown of valve 2CV112E to verify closure of an IPEEE outlier for clearance between operator of the valve and existing structural grating it was found that in the cold position there is a 0" gap between the valve operator and grating."

The grating is in contact with the valve yoke however the valve is rugged and it is unlikely that damage would result from impact with the grating.

IR 1429477 generated to address this issue.

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

Valve is partially obstructed due to other components. Subsequent walkdown to be performed. Walkdown performed on 10/21/12: results documented in Question 7.

Comments

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

Walkdown performed on 10/21/12 by Jim Griffith and David Carter to verify closure of an IPEEE outlier for clearance between valve yoke and existing platform grating.

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112E

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

Equipment Description: RWST TO CHG PMPS SUCT VLV C/S AT 2PM05J ASMBLY

Evaluated by:	<u><i>Marlene M Delaney</i></u>	Marlene Delaney	Date: <u>10/1/12</u>
	<u><i>P. O. Gazda</i></u>	Philip Gazda	<u>10/1/12</u>
	<u><i>David Carter</i></u>	David Carter	<u>10/22/12</u>
	<u><i>James D. Griffith</i></u>	James Griffith	<u>10/22/12</u>

Photos



10-21-12 299



10-21-12 300

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112E

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

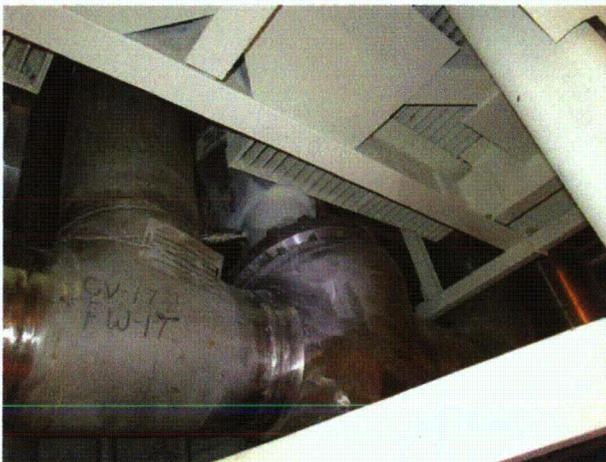
Equipment Description: RWST TO CHG PMPS SUCT VLV C/S AT 2PM05J ASMBLY



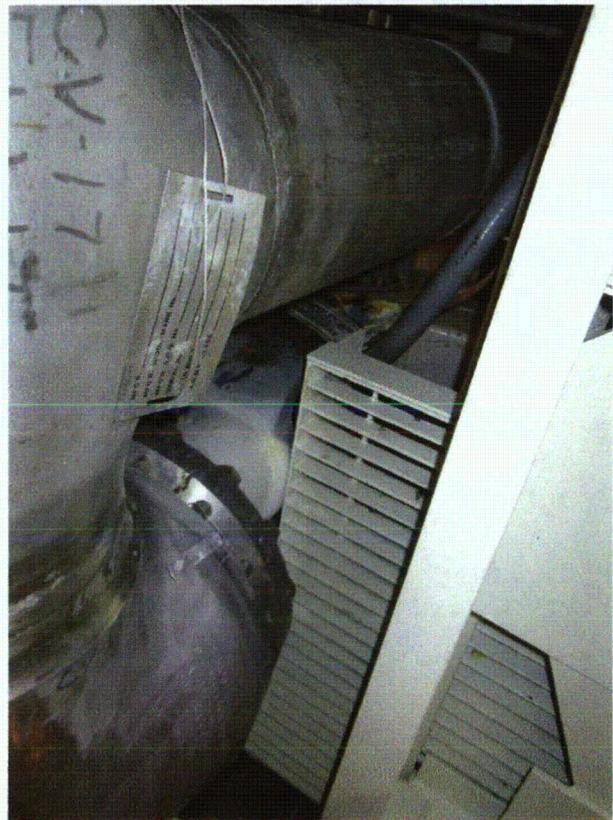
10-21-12 301



10-21-12 302



10-21-12 303



10-21-12 304

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV112E

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

Equipment Description: RWST TO CHG PMPs SUCT VLV C/S AT 2PM05J ASMBLY



2CV112E (AWB - STANCHION) 7-30-12 AM 051



2CV112E 7-30-12 AM 050

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8105

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

- | | |
|--|----------------|
| 1. Is anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? | No |
| 2. Is the anchorage free of bent, broken, missing or loose hardware? | Not Applicable |
| 3. Is the anchorage free of corrosion that is more than mild surface oxidation? | Not Applicable |
| 4. Is the anchorage free of visible cracks in the concrete near the anchors? | Not Applicable |
| 5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) | Not Applicable |
| 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? | Yes |

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8105

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Yes
8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Yes
Overhead components 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

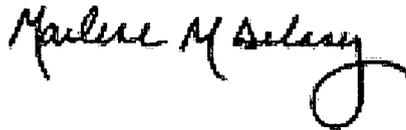
Other Adverse Conditions

11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Valve is well-supported, near Penetration 71

Comments

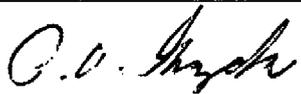
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

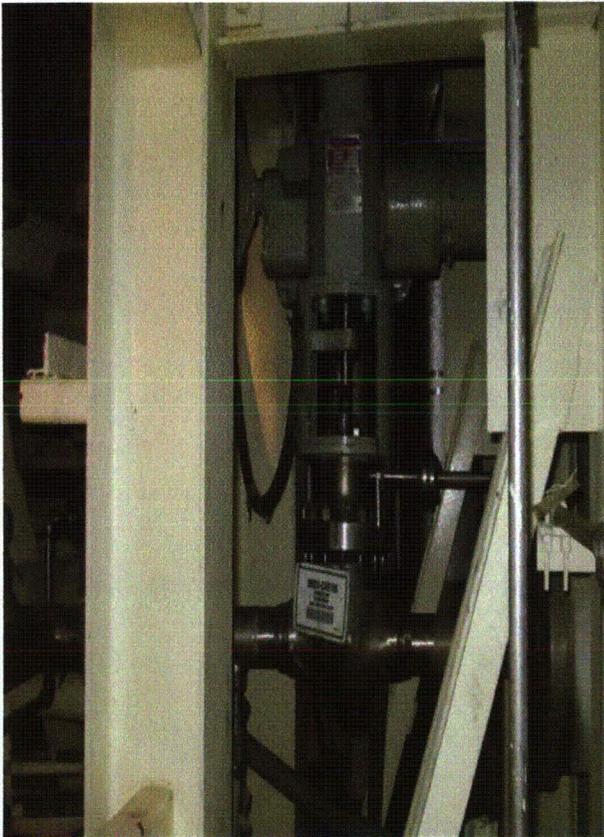
Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8105

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Photos



2CV8105 8-2-12 020

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8106

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Project: Braidwood 2 SWEL

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

Manufacturer/Model:

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Not Applicable

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Not Applicable

4. Is the anchorage free of visible cracks in the concrete near the anchors? Not Applicable

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Not Applicable

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

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8106

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Interaction Effects

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

Other Adverse Conditions

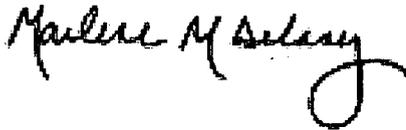
11. Have you looked for and found no adverse seismic conditions that could adversely affect the safety functions of the equipment? Yes
Rugged and well-supported

Boric acid on adjacent valve 2CV-8402B, equipment operator notified. Not a seismic/structural concern.

Comments

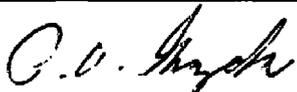
Seismic walkdown team M. Delaney & P. Gazda 8/2/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8106

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

Equipment Description: CHG LINE CNMT ISOL VLV C/S AT 2PM05J ASMBLY

Photos



2CV8106 8-2-12 021

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8110

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

Equipment Description: CV PMP MINIFLOW ISOL VLV C/S AT 2PM05J ASMBLY

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.: 2CV8110

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

Equipment Description: CV PMP MINIFLOW ISOL VLV C/S AT 2PM05J ASMBLY

Interaction Effects

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

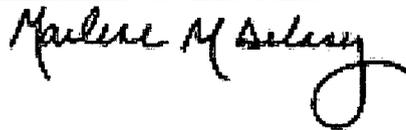
Other Adverse Conditions

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

Comments

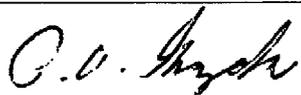
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8110

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

Equipment Description: CV PMP MINIFLOW ISOL VLV C/S AT 2PM05J ASMBLY

Photos



2CV8110 7-30-12 AM 042



2CV81107-30-12 AM 041

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8804A

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

Equipment Description: RH HX 2A TO CV PMP SUCT ISOL VLV; C/S AT 2PM06J ASMBLY

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.: 2CV8804A

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

Equipment Description: RH HX 2A TO CV PMP SUCT ISOL VLV; C/S AT 2PM06J ASMBLY

Interaction Effects

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

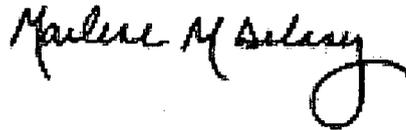
Other Adverse Conditions

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

Comments

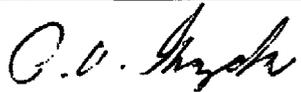
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 am

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2CV8804A

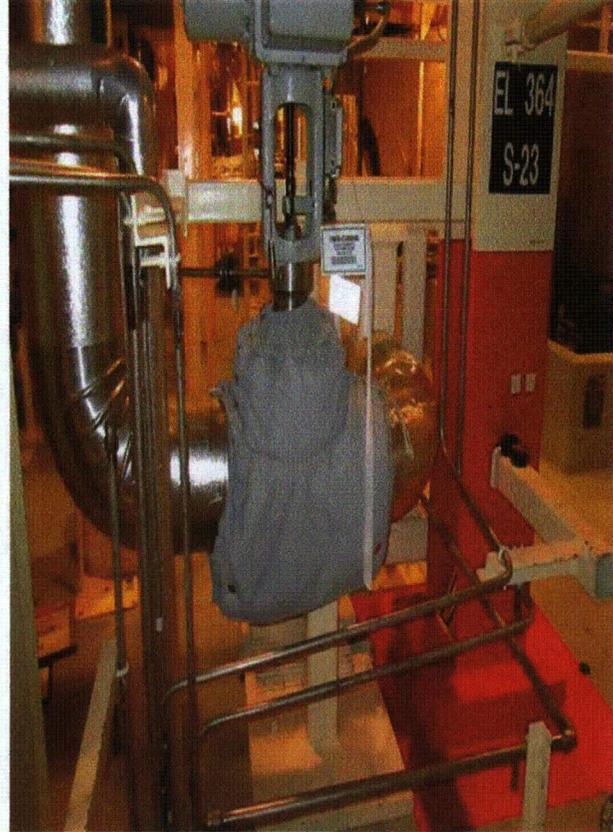
Equipment Class: (8) Motor-Operated and Solenoid-Operated Valves

Equipment Description: RH HX 2A TO CV PMP SUCT ISOL VLV; C/S AT 2PM06J ASMBLY

Photos



2CV8804A 7-30-12 AM 039



2CV8804A 7-30-12 AM 040

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 125V BATTERY 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)? 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-0-3391BG Revision B

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.: 2DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 125V BATTERY 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 in area,
Open S-hook on one chain for east-west light fixture just inside the room. IR 1395456 was written. Other chain does not have open hook so light would not fall.*
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

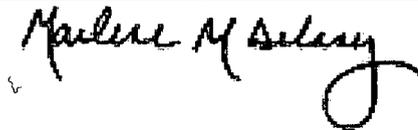
Other Adverse Conditions

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

Comments

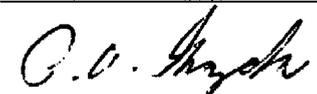
Seismic walkdown team M. Delaney & P. Gazda 7/30/12 pm

Evaluated by:



Marlene Delaney

Date: 10/1/2012



Philip Gazda

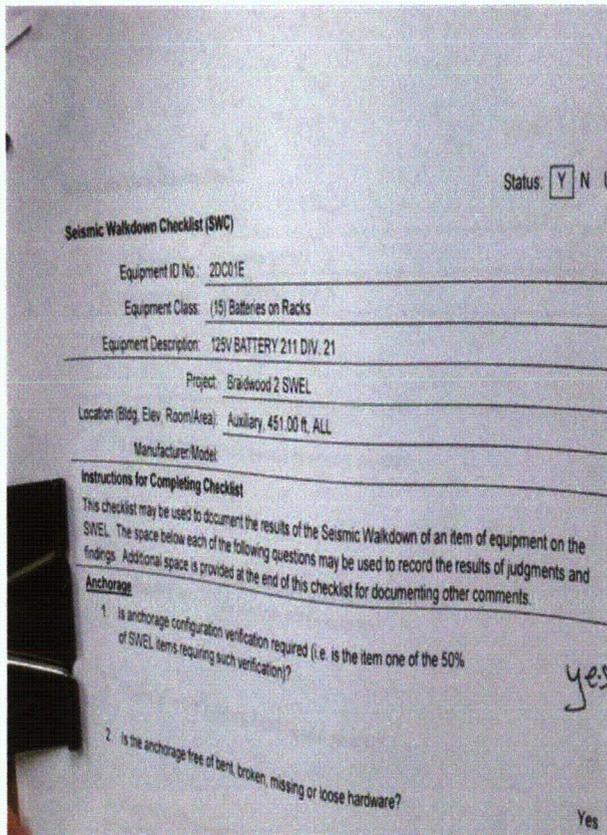
10/1/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC01E
Equipment Class: (15) Batteries on Racks
Equipment Description: 125V BATTERY 211 DIV. 21

Photos



2DC01E 7-31-12 001



2DC01E 7-31-12 002

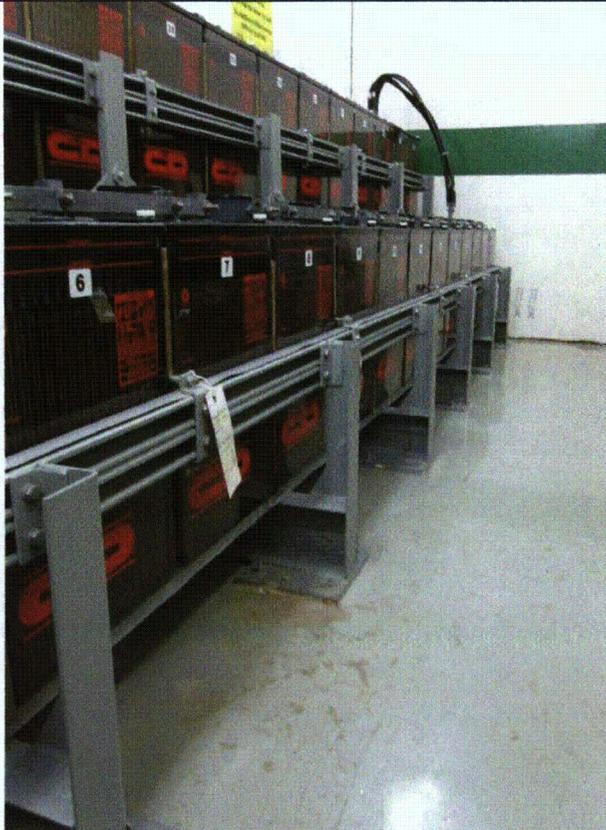
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 125V BATTERY 211 DIV. 21



2DC01E 7-31-12 003



2DC01E 7-31-12 004

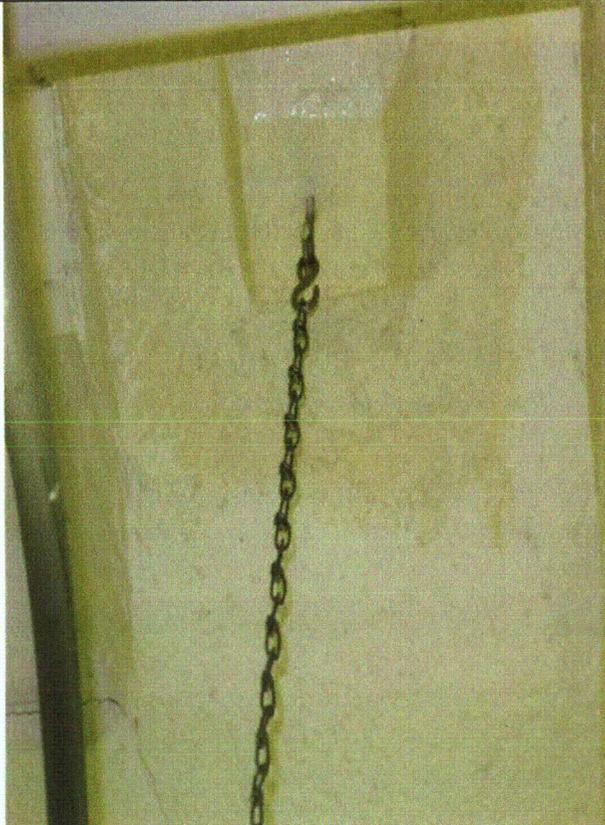
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No.: 2DC01E

Equipment Class: (15) Batteries on Racks

Equipment Description: 125V BATTERY 211 DIV. 21



2DC01E 7-31-12 005