

PZ-19

Sheet 1 of 85

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No: Q2E16H003B Equip. Class¹ 10

Equipment Description RHR PUMP ROOM COOLER 2B

Location: Bldg. AUXILIARY Floor El. 83 Room, Area 2129

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 8
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H003B Equip. Class' 10

Equipment Description BHR PUMP ROOM COOLER 2B

Interaction Effects

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

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

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

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

Other Adverse Conditions

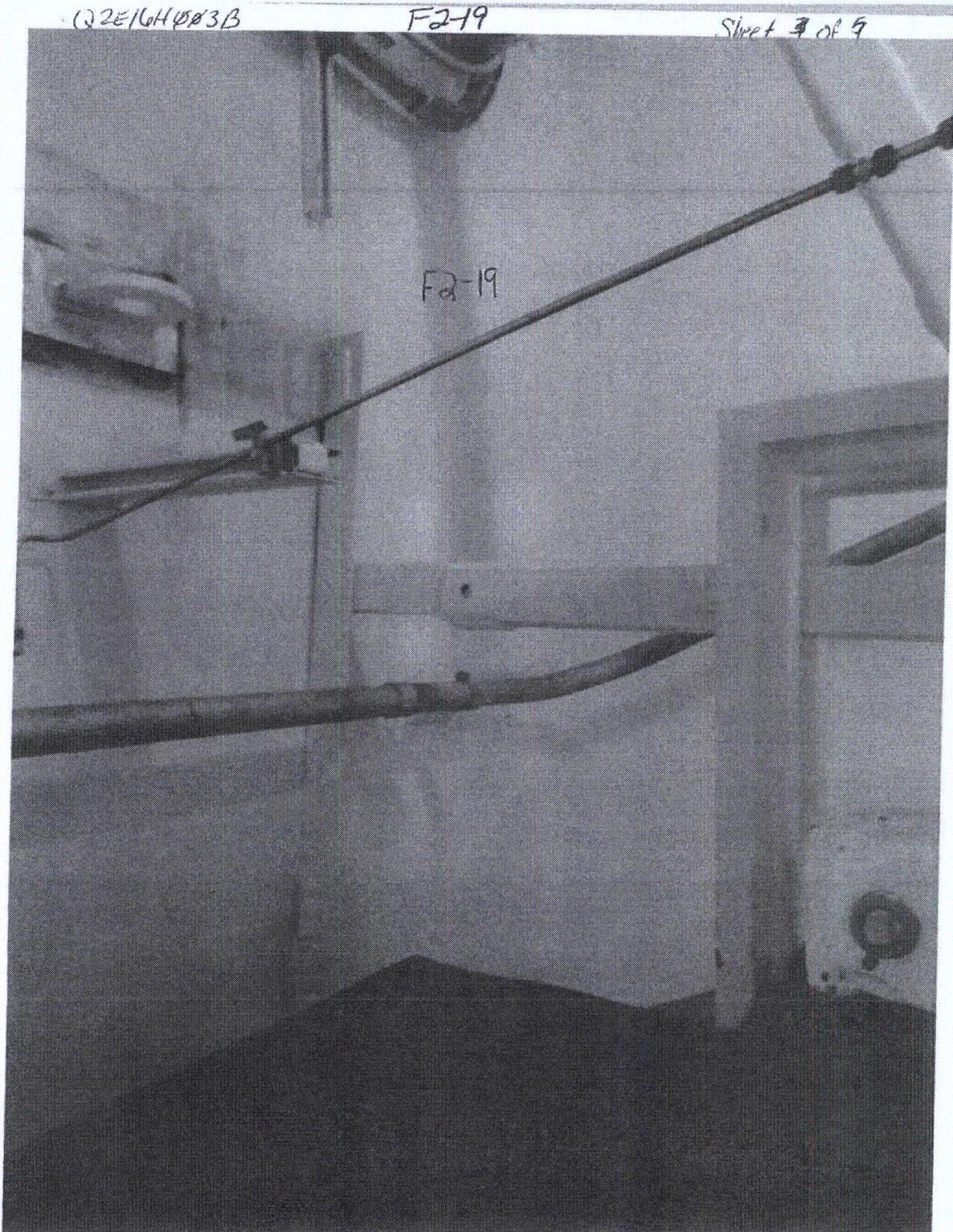
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

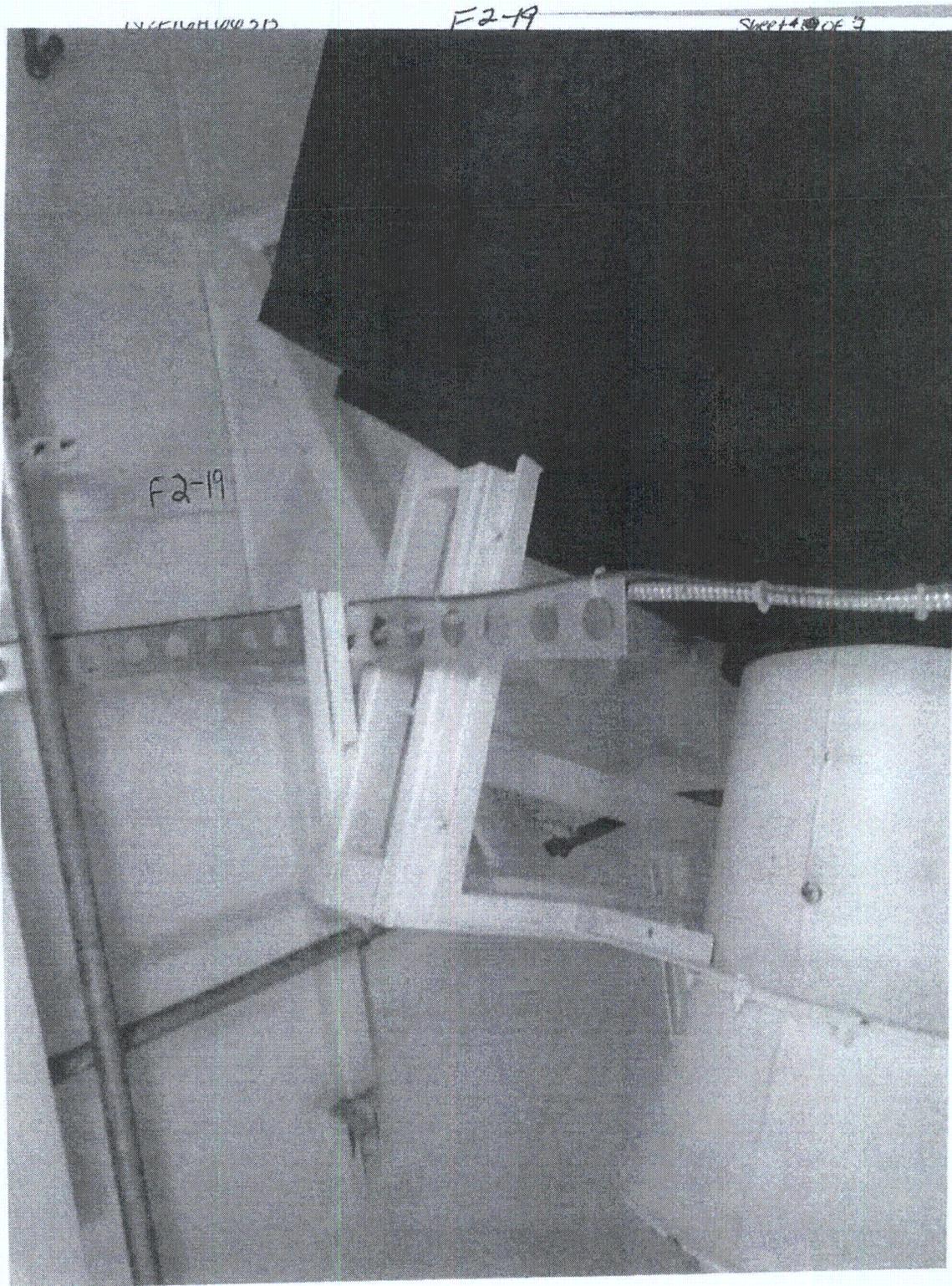
Comments (Additional pages may be added as necessary)

Portions of anchorage covered/blocked by insulation. However, based on visible portions, anchorage judged to be free of adverse seismic conditions. Sufficient anchorage visible to permit this evaluation.

Evaluated by: Scott Walden Scott Walden Date: 8.23.2012

Crystal R. Loelady 8/23/2012

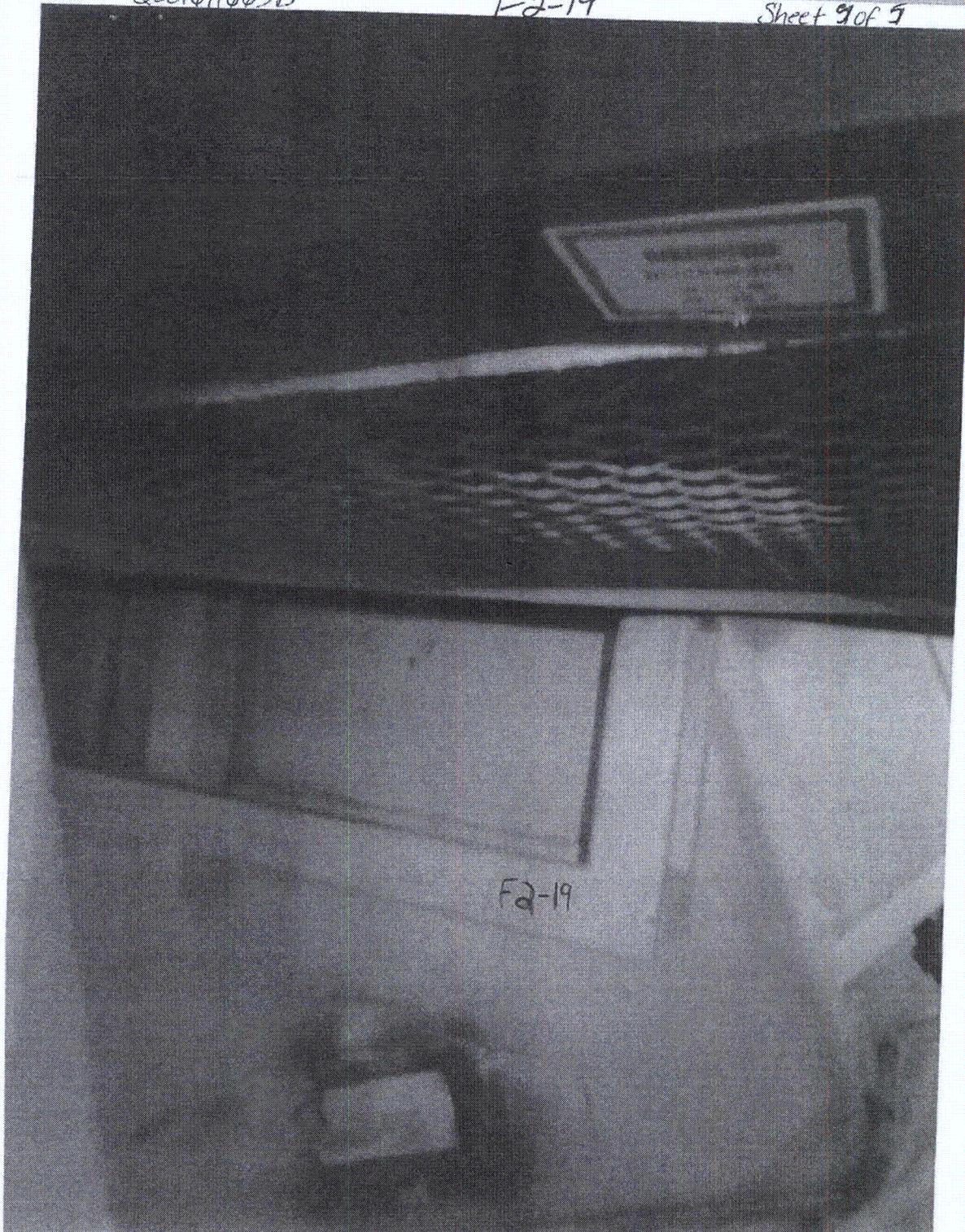




W22110H00313

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Sheet 1 of 8 ^{6 TAM} 11/13/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H004A Equip. Class¹ 10

Equipment Description CCW PUMP ROOM COOLER TRAIN A

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2185

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
COOLER IS MOUNTED TO CEILING AND IT IS NOT POSSIBLE TO VERIFY WELDS TO EMBEDDED STEEL IN CEILING

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
U212563 REV 0 (9-26-03) - UNABLE TO VERIFY

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3 ^{6 TRM} 11/13/2012

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H004A Equip. Class¹ 10

Equipment Description CCW PUMP ROOM COOLER TRAIN A

Interaction Effects

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

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

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

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

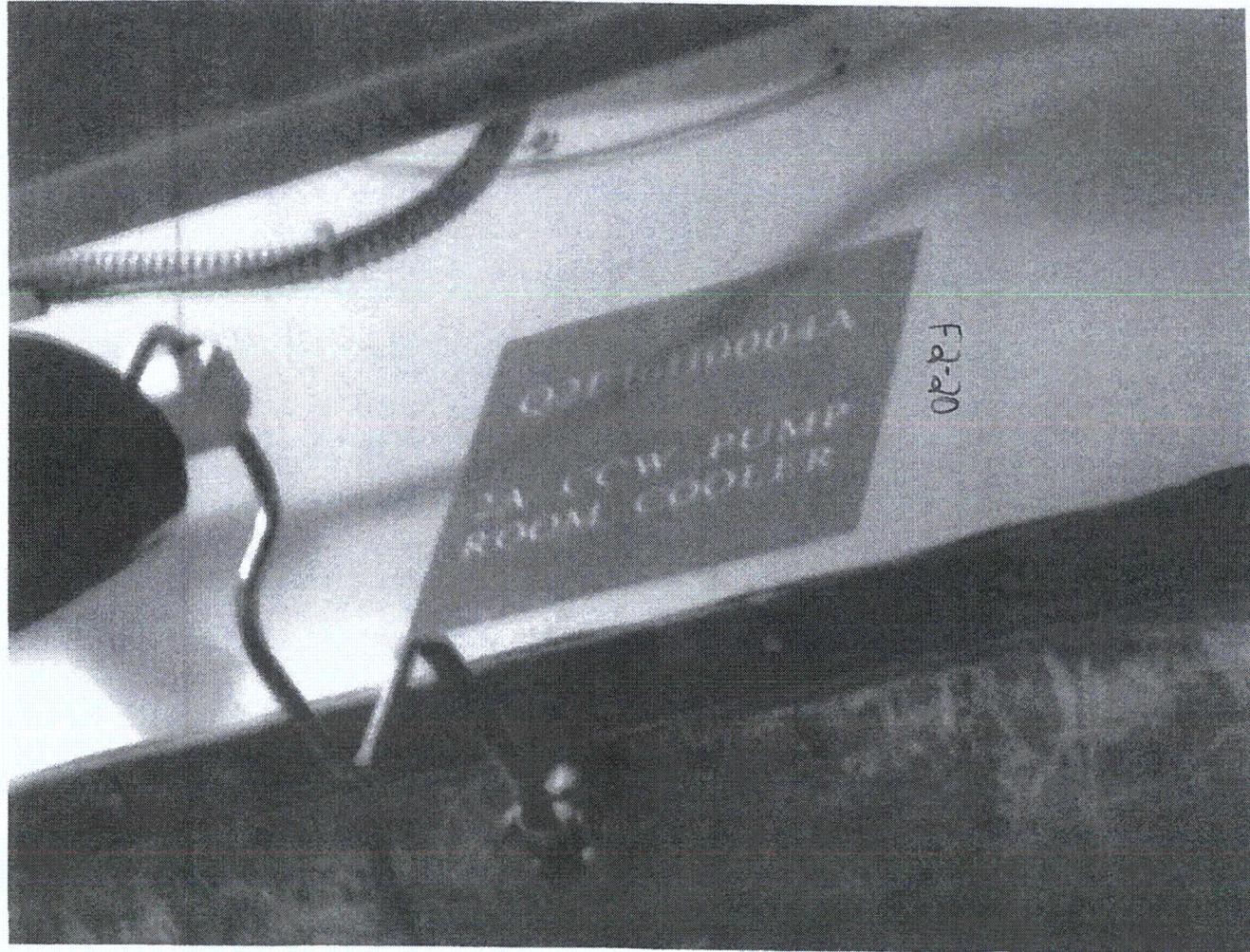
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

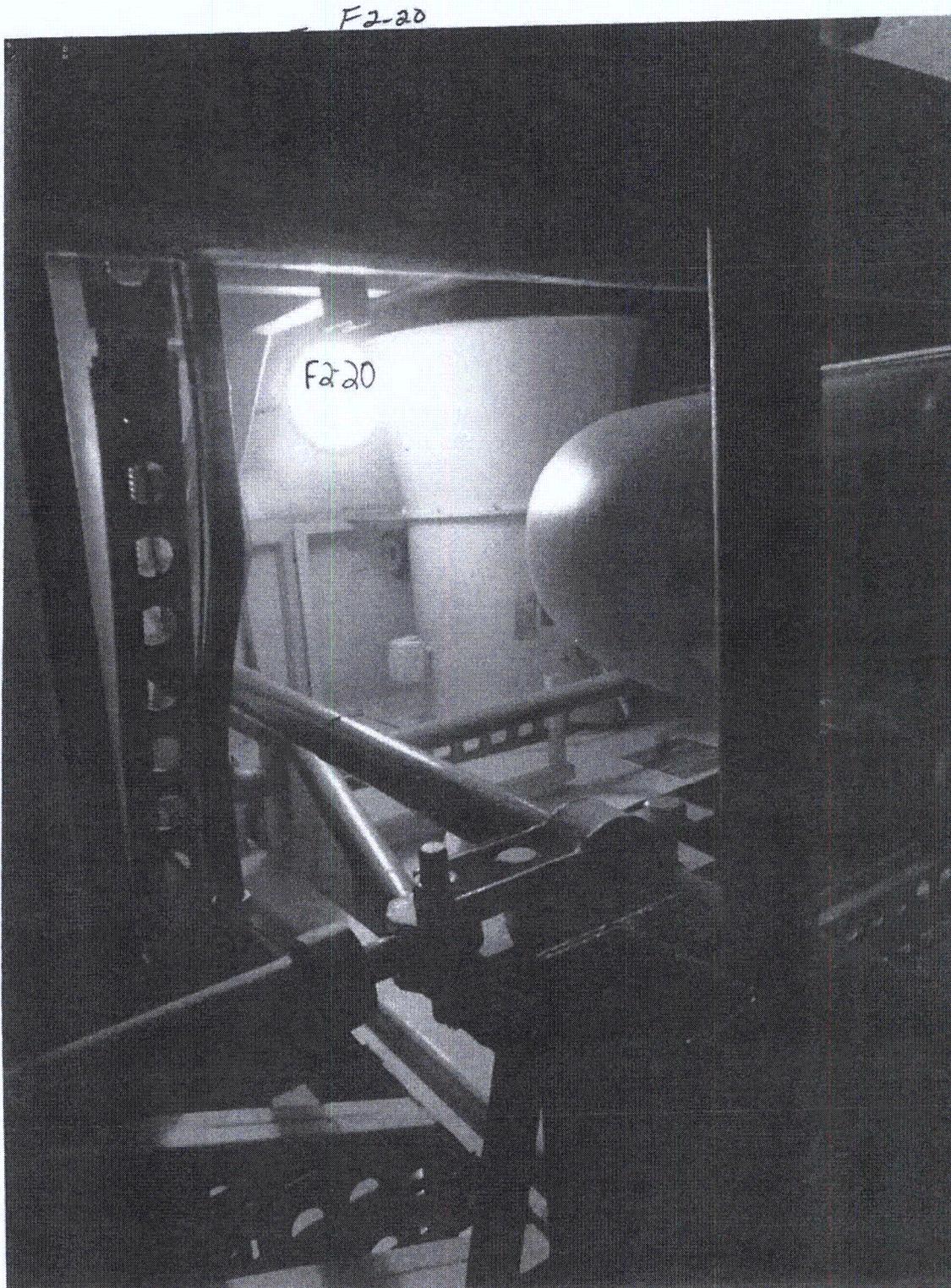
AREA WALK-BY FOR ROOM 2185 IS IN FOLDER F2-79 (Q2P17H001B)

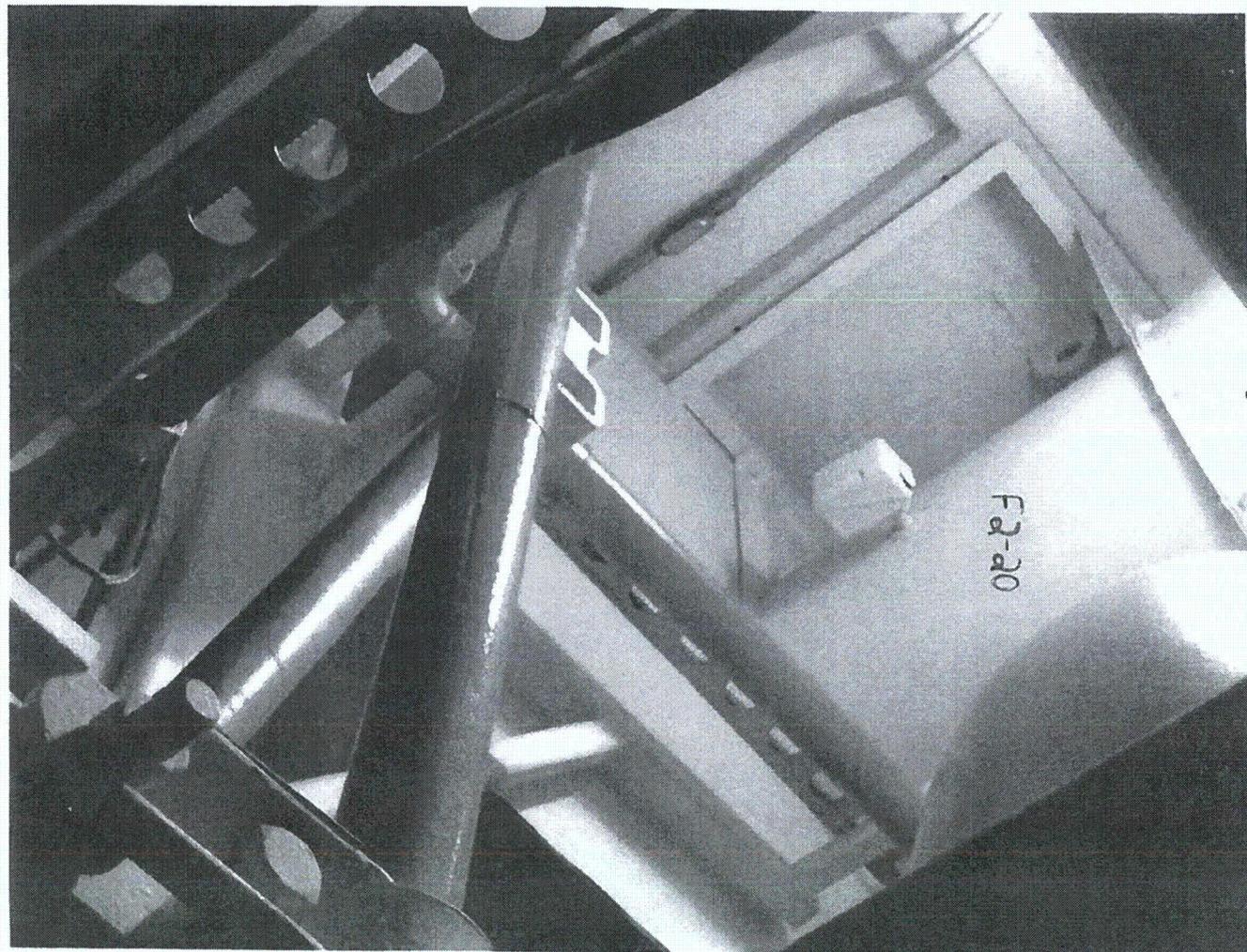
Evaluated by: TERRY A MULLENIX *Terry Mullenix* Date: 11/13/2012
Paul Smith for
LAURA MACLAY *by TELCON* 11/13/12

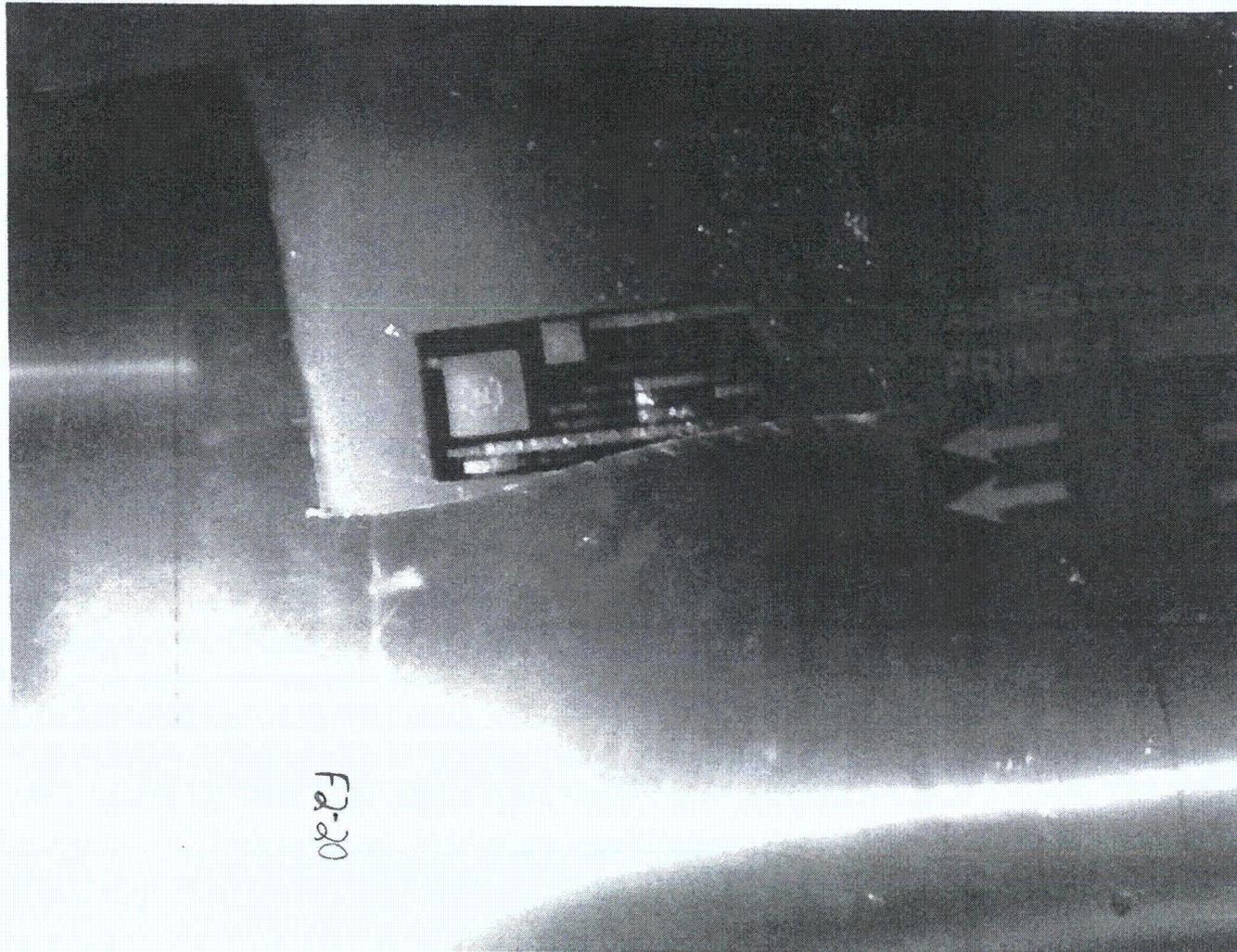


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F2-20

F2-20

505

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Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H005B Equip. Class¹ 10

Equipment Description AUX FEEDWATER PUMP ROOM COOLER 2B

Location: Bldg: AUXILIARY Floor El. 100 Room, Area 21902

Manufacturer, Model, Etc. (optional but recommended) ASU

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H005B Equip. Class: 10

Equipment Description: AUX FEEDWATER PUMP ROOM COOLER 2B

Interaction Effects

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

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

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

Too high up to see everything but see no attached lines, okay that are a seismic concern

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

Other Adverse Conditions

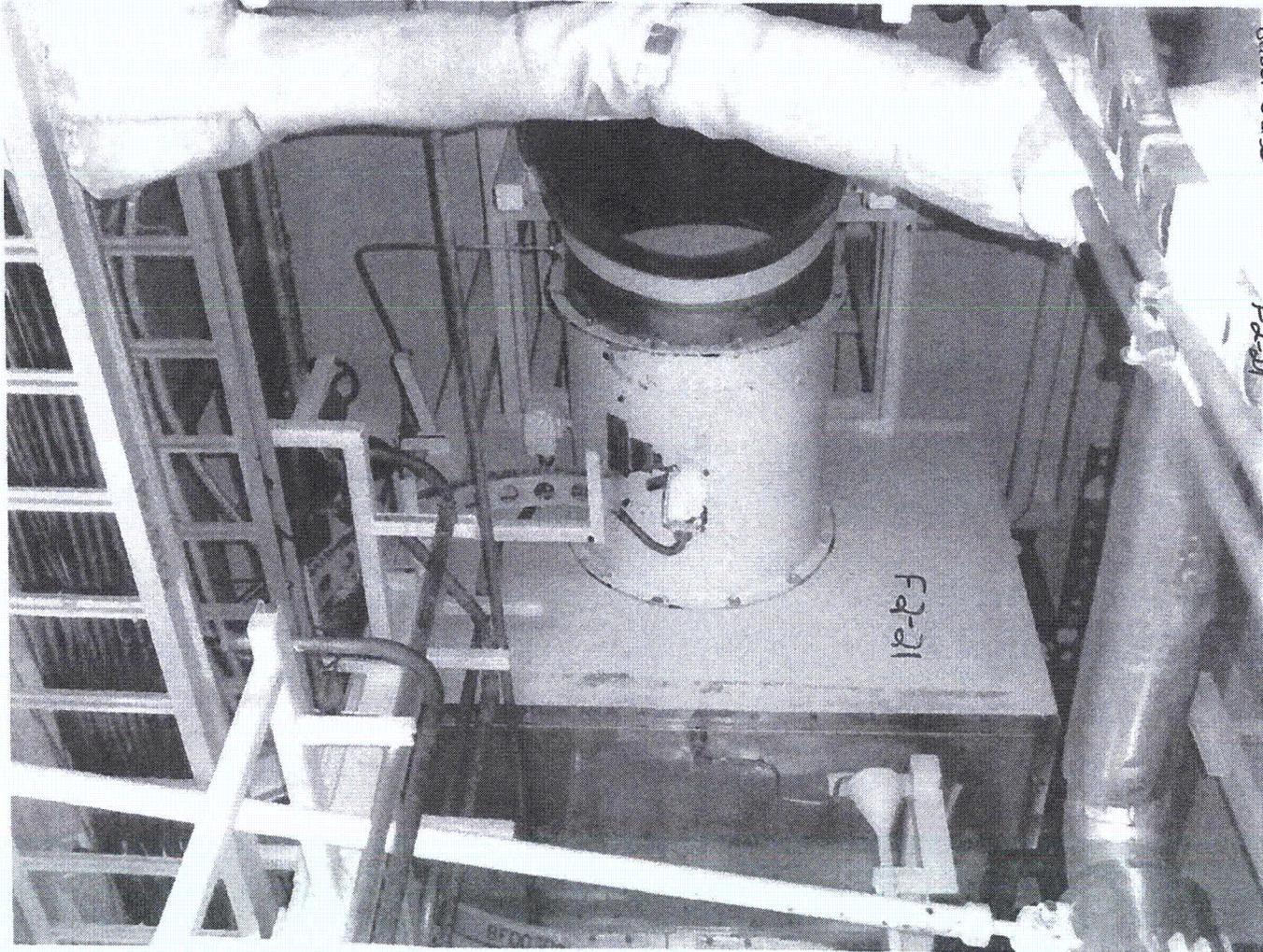
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

NONE
*SEE Component Q2N23P001B (Folder 2-65) for Area Walk By Checklist

Evaluated by: SCOTT WALDEN Scott Walden Date: 8.21.2012

Crystal Lovelady 8/21/2012



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MM 8/28/12

Sheet 1 of 4
 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H007 Equip. Class¹ 10
 Equipment Description MCC 2A ROOM COOLER
 Location: Bldg. AUXILIARY Floor El. 139 Room, Area 2332
 Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
 WELDED TO EMBEDDED STEEL

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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8/28/12

Sheet 2 of 4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H007 Equip. Class: 10

Equipment Description MCC 2A ROOM COOLER

Interaction Effects

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

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

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

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

Other Adverse Conditions

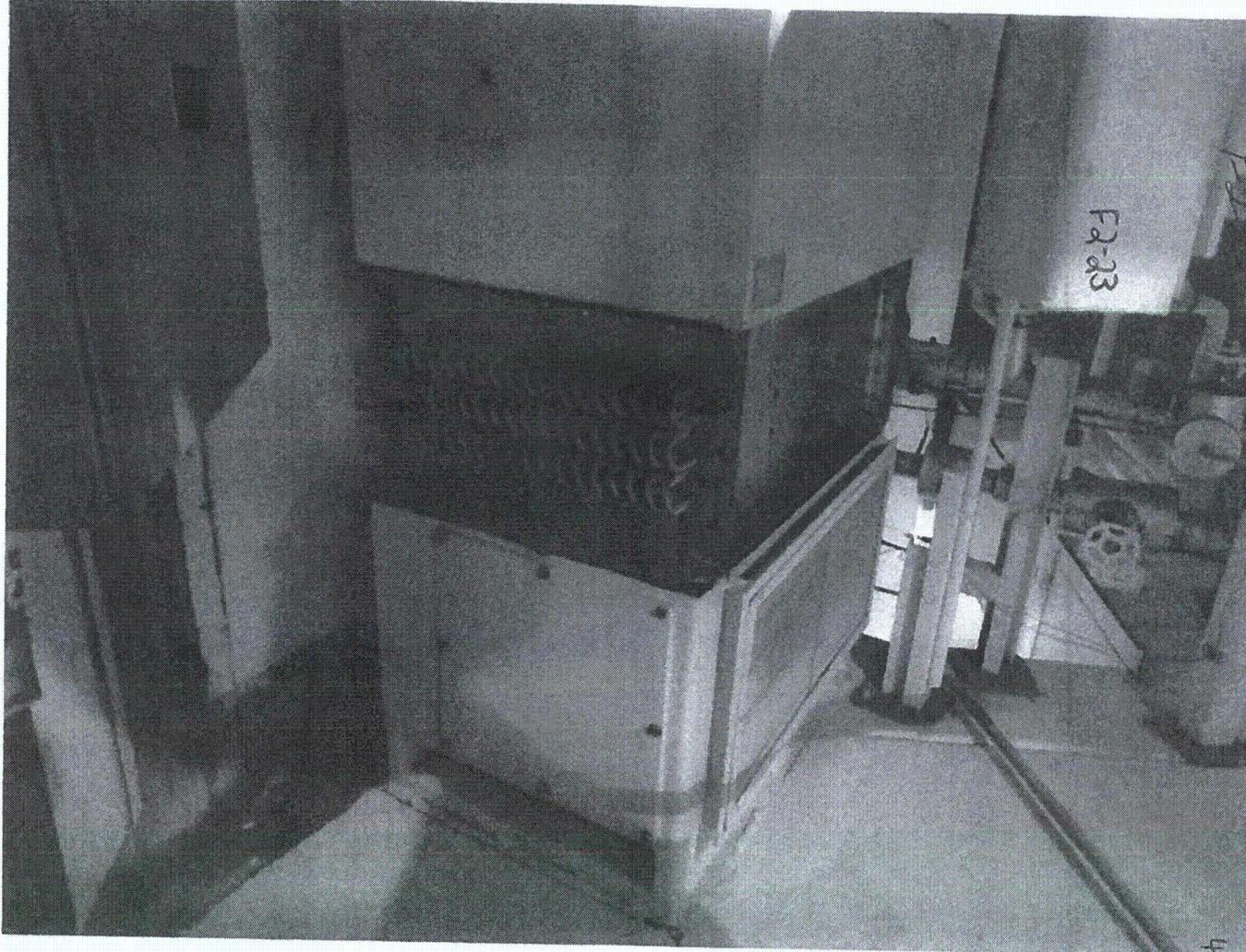
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

NONE

Evaluated by: S. YUAN Stephen Yin Date: 8-28-12
P. MIKIDIS Paul Mikidis 8-28-12





SHEET 4 OF 4

12-24

8/24/12

Sheet 1 of 34

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H008 Equip. Class¹ 10

Equipment Description 121 MCC 2B Room ACU

Location: Bldg. Aux bldg Floor El. 121' Room, Area _____

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
Anchorage configuration was based on SEWS for Q2E16H008-B and Q2E16H007-A, dated 07-03-93 and 07-01-93 respectively.

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
Welded to embedded steel

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
Very minor surface corrosion and cracked paint observed. No degradation of weld observed. Condition has no adverse seismic impact.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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dy 8/24/12
Sheet 2 of 24

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E16H008 Equip. Class: 10

Equipment Description 121 MCC 2B Room ACU

Interaction Effects

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

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

Component is adjacent to a block wall. The wall was seismically qualified as part of the response to NRC I. E. Bulletin 80-11, as documented in Report No FTG-C-002, R0, and on drawing D-206004, R16.

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

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

Other Adverse Conditions

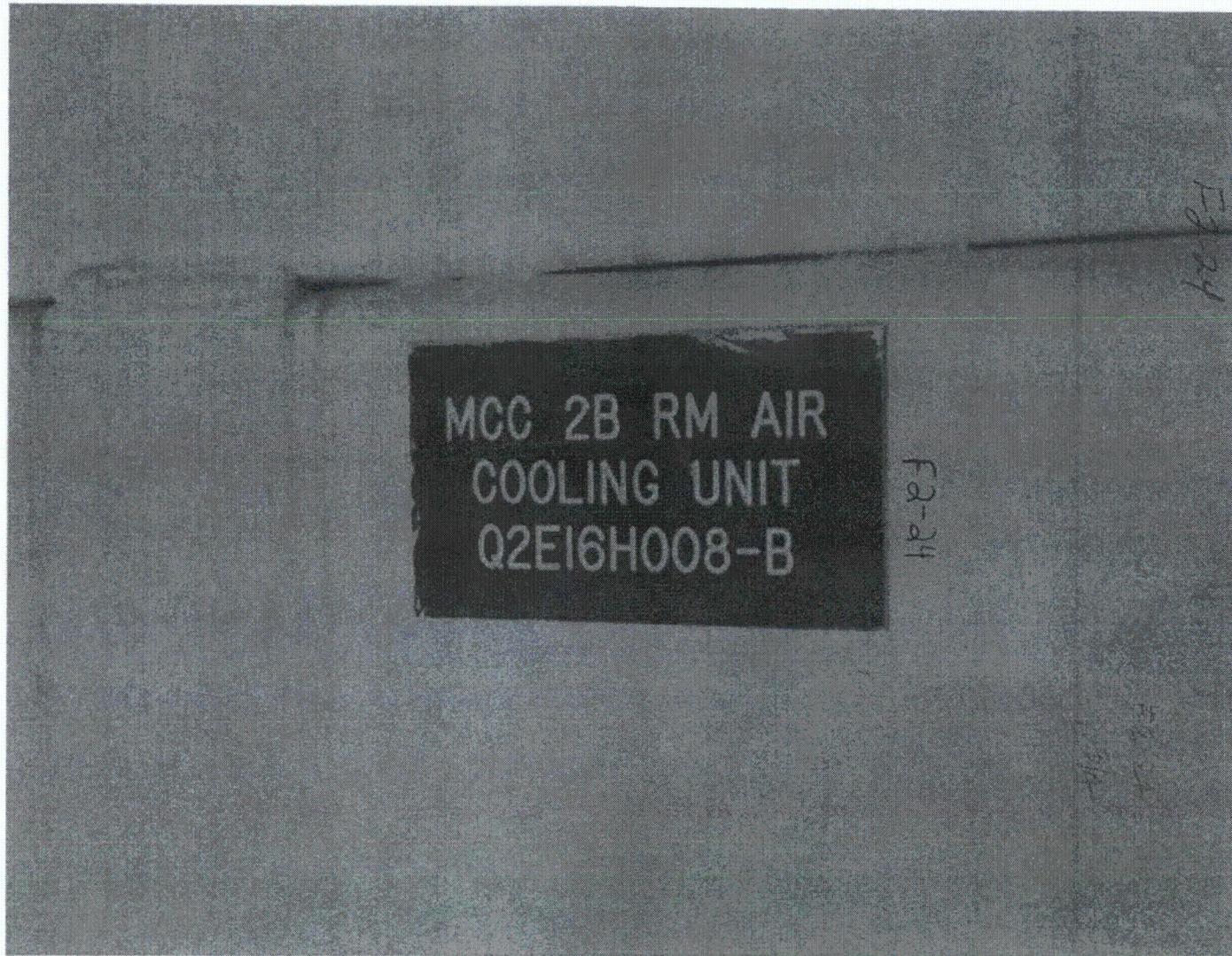
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

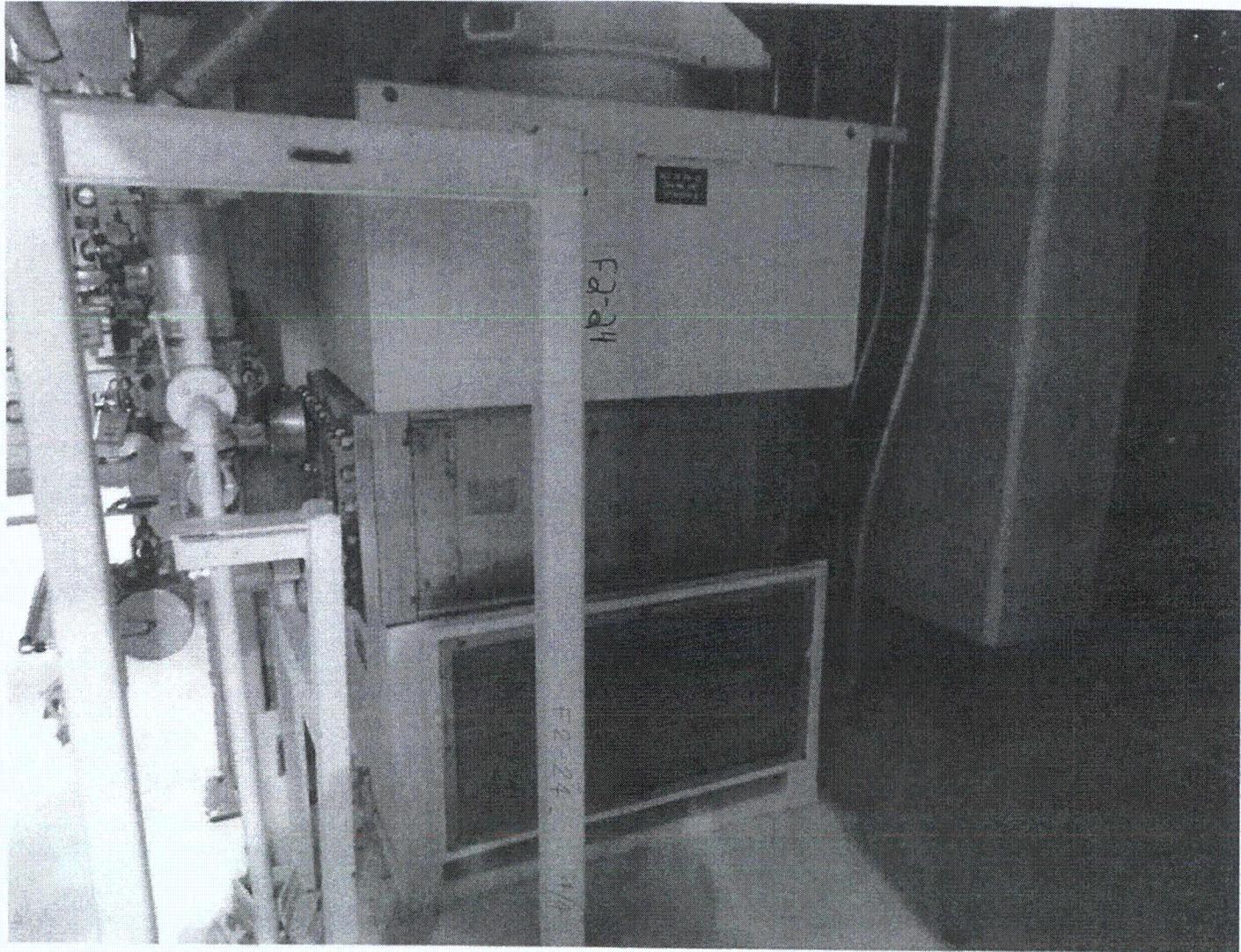
Comments (Additional pages may be added as necessary)

*Note BAMA 8/23/12
AWB IN PKG F2-113*

Evaluated by: P. Miktus *Paul Miktus* Date: 08-23-12

S. Yuan *Stephan Yuan* 08-23-12





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Sheet 1 of 3
Status: Y N U
4
POM 8/27/12

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21FT0943 Equip. Class¹ 18

Equipment Description HIGH HEAD SAFETY INJECTION FLOW TRANSMITTER

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2175

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? ~~YES~~ NO U N/A
NO PRL 01/27/12
2. Is the anchorage free of bent, broken, missing or loose hardware? YES NO U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? YES NO U N/A
44 POM 8/27/12
4. Is the anchorage free of visible cracks in the concrete near the anchors? YES NO U N/A
5. Is the anchorage configuration consistent with plant documentation? YES NO U N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
NO DNGS ARE REQ'D SINCE AN ANCHORAGE VERIFICATION IS NOT REQ'D
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? YES NO U

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 2
Status: Y N U 8/27/12

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21FT0943 Equip. Class' 18

Equipment Description HIGH HEAD SAFETY INJECTION FLOW TRANSMITTER

Interaction Effects

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

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

BLOCK WALLS ON THE WEST SIDE WERE EVALUATED UNDER REPORT FTG-C-002, REF. DWG D-206502.

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

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

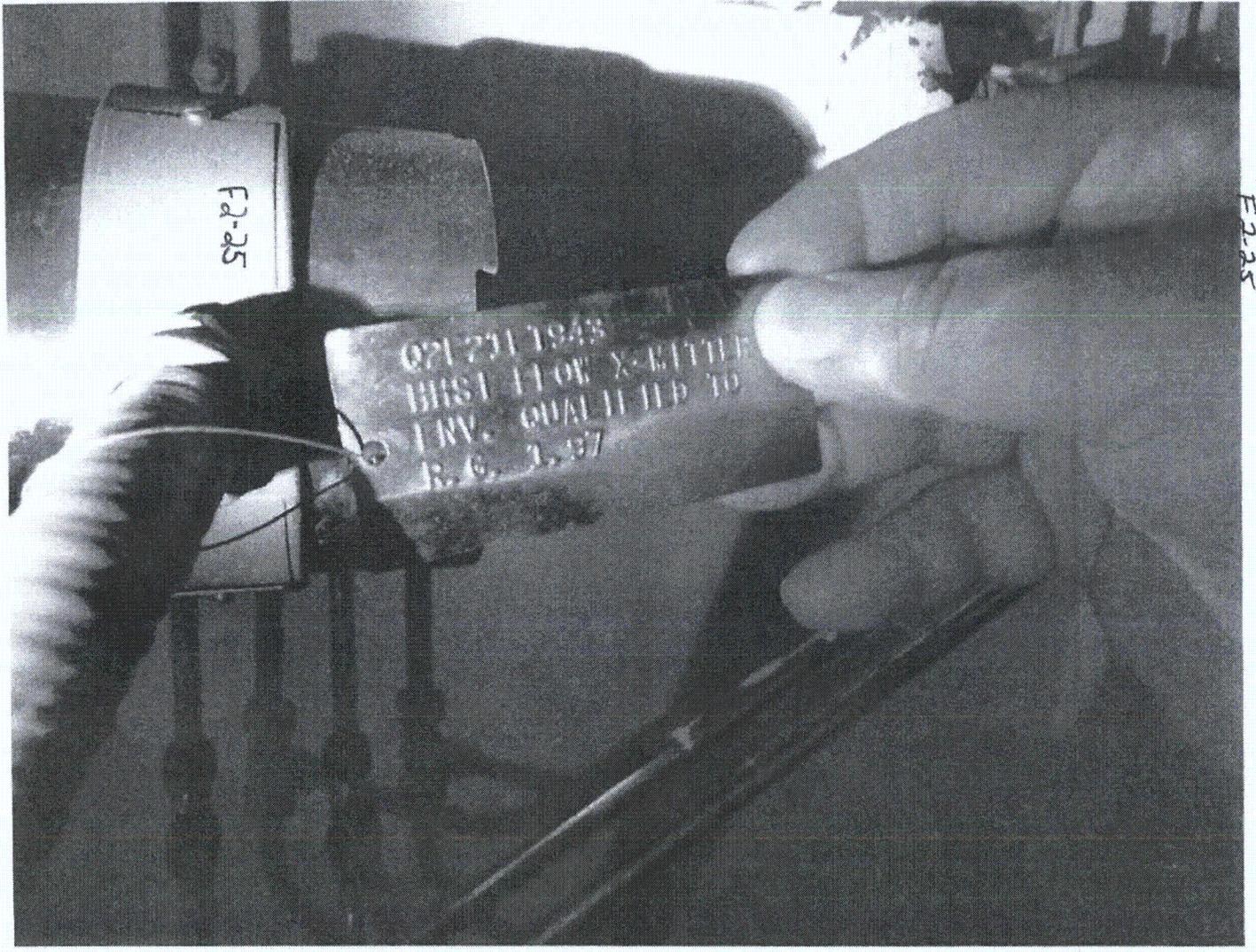
Other Adverse Conditions

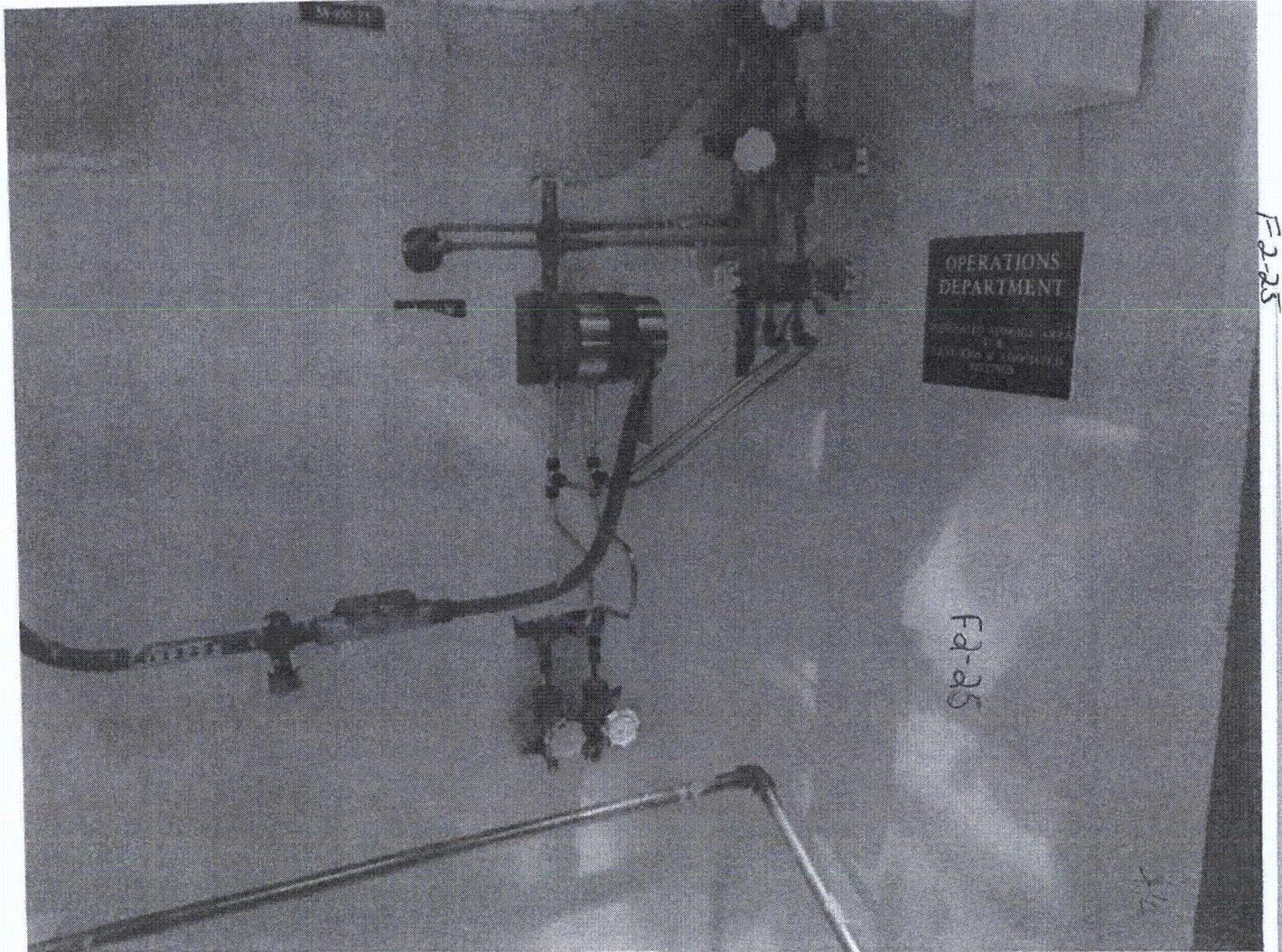
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

NONE

Evaluated by: S. YODAN [Signature] Date: 8-27-12
P. MIKTUS [Signature] 8-27-12





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Sheet 1 of 34

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21LCV0115B Equip. Class¹ 8

Equipment Description RWST TO CHARGING PUMP SUCTION VALVE

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2172

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
 In line component, no anchorage.
2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.) Y N U N/A
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3/4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21LCV0115B Equip. Class: 8

Equipment Description RWST TO CHARGING PUMP SUCTION VALVE

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
Wof# 2080758202 erected scaffold 365 on 10/15/2008 tied back to pipe supports
~~does not appear to pass seismic code~~, therefore it is seismically adequate.
LM 8/23/12

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

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

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

Other Adverse Conditions

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

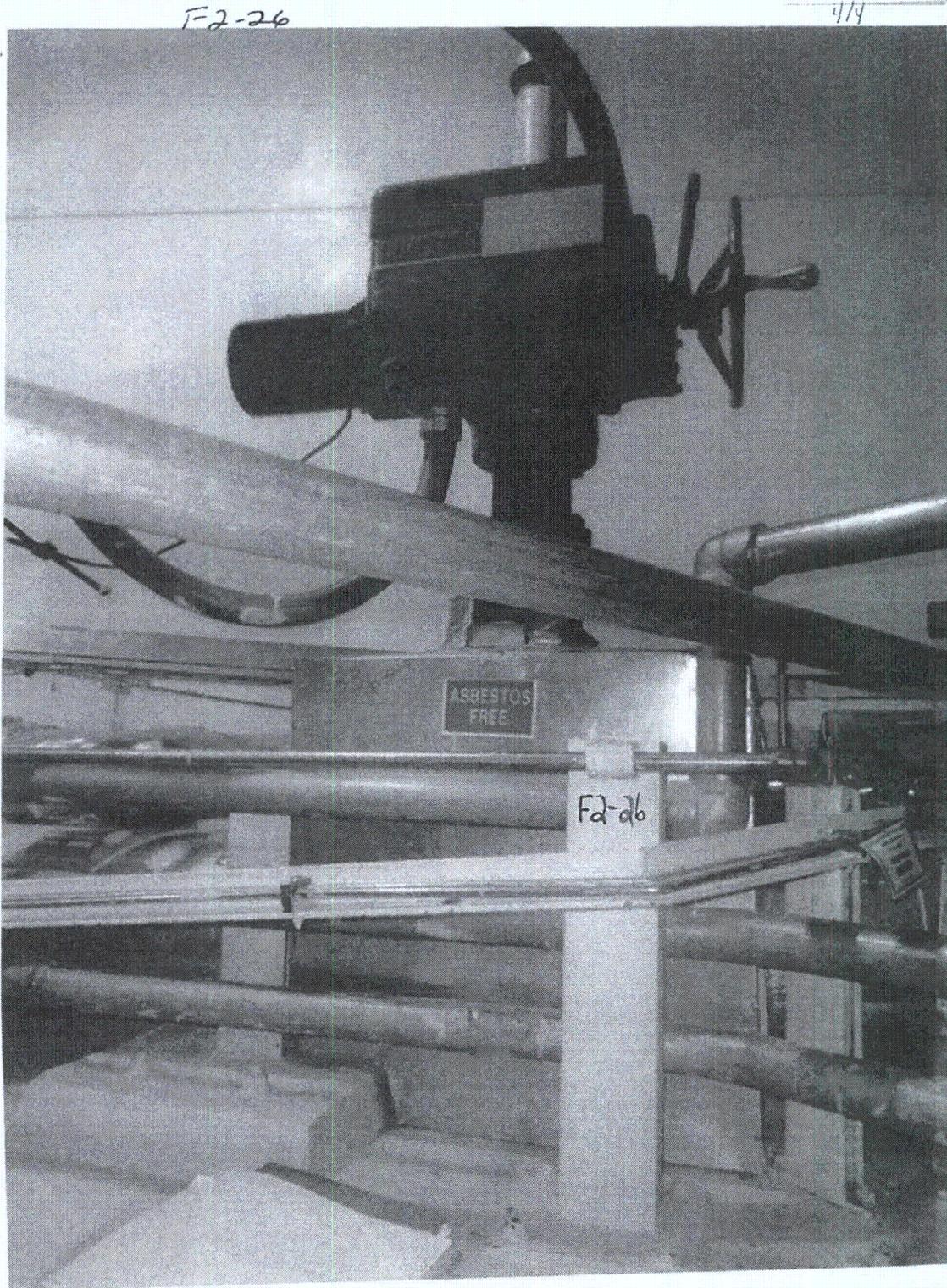
Comments (Additional pages may be added as necessary)

cannot see behind valve w/o climbing, but appears ~~to~~ seismically adequate.
LM 8/23/12

Evaluated by: Jerry Blawie / TERRY A. MULLENIX Date: 8/22/2012

Laura Maclay Laura Maclay 8-22-12





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Sheet 1 of 3

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21LT112 Equip. Class¹ 18

Equipment Description VCT LEVEL TRANSMITTER

Location: Bldg. AUXILIARY Floor El. 12f Room, Area 221R

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21LT112 Equip. Class: 18

Equipment Description VCT LEVEL TRANSMITTER

Interaction Effects

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

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

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

Conduit attached to box in rigid, however conduit is attached to supports attached to same wall as firmly attached transmitter. Both move together during seismic event, no concern. OKAY

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

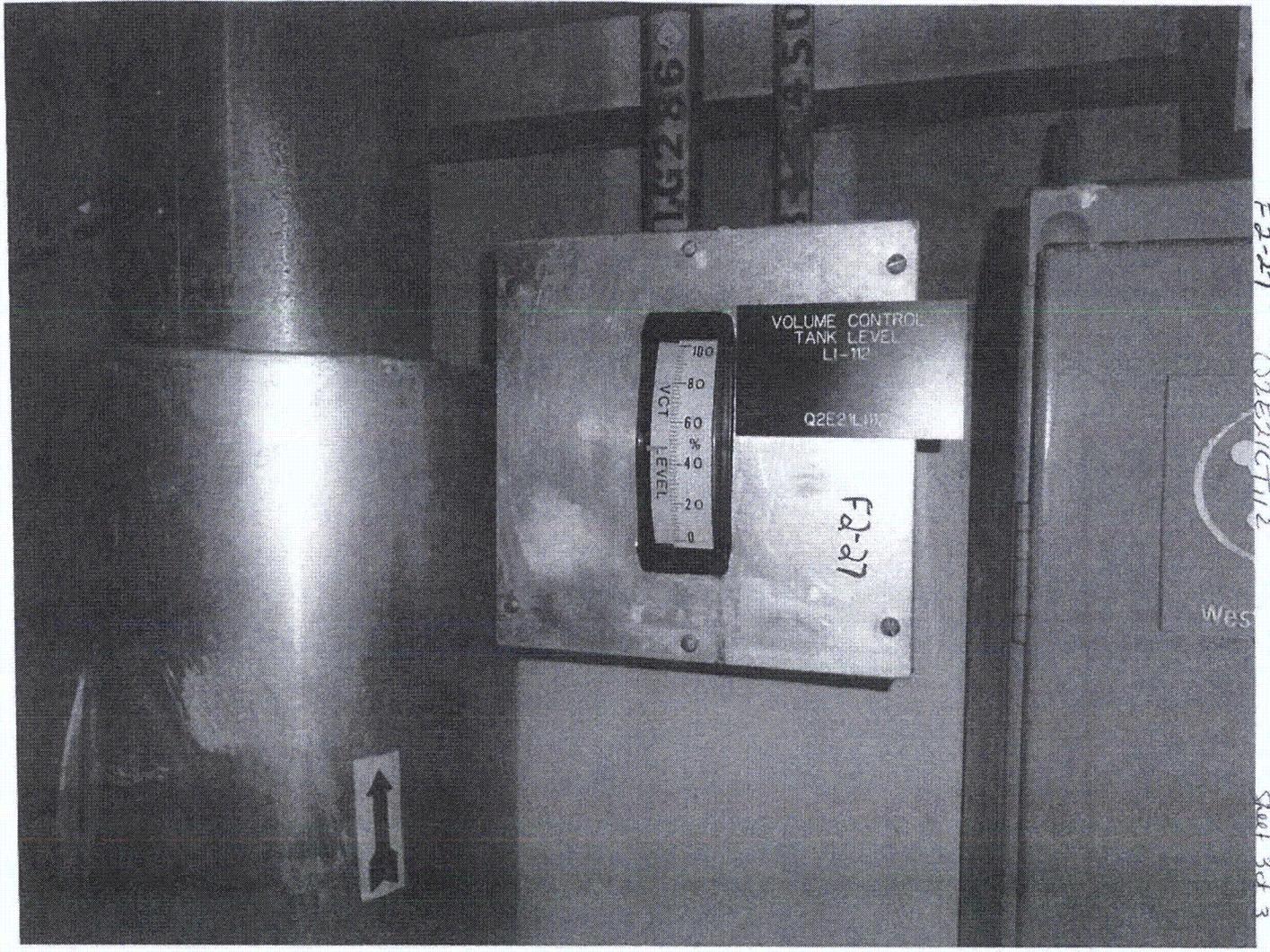
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

NONE

Evaluated by: Scott W. [Signature] Date: 8-29-2012
Crystal Lovelady [Signature] 8/29/2012



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This Component is also known as

Sheet 1 of 3⁴

Status: Y N U

Seismic Walkdown Checklist (SWC)

Q2E21V249B

Equipment ID No. Q2E21MOV8100 Equip. Class¹ 8

Equipment Description RCP SEAL WATER RETURN ISOLATION

Location: Bldg. AUXILIARY Floor El. 121 Room, Area 2223

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

in-line component, no anchorage.

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

in-line component, no anchorage.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

in-line component, no anchorage.

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

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

Based on the above the component is free of adverse seismic conditions.

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3.4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8100 Equip. Class: 8

Equipment Description RCP SEAL WATER RETURN ISOLATION

Interaction Effects

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

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

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

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

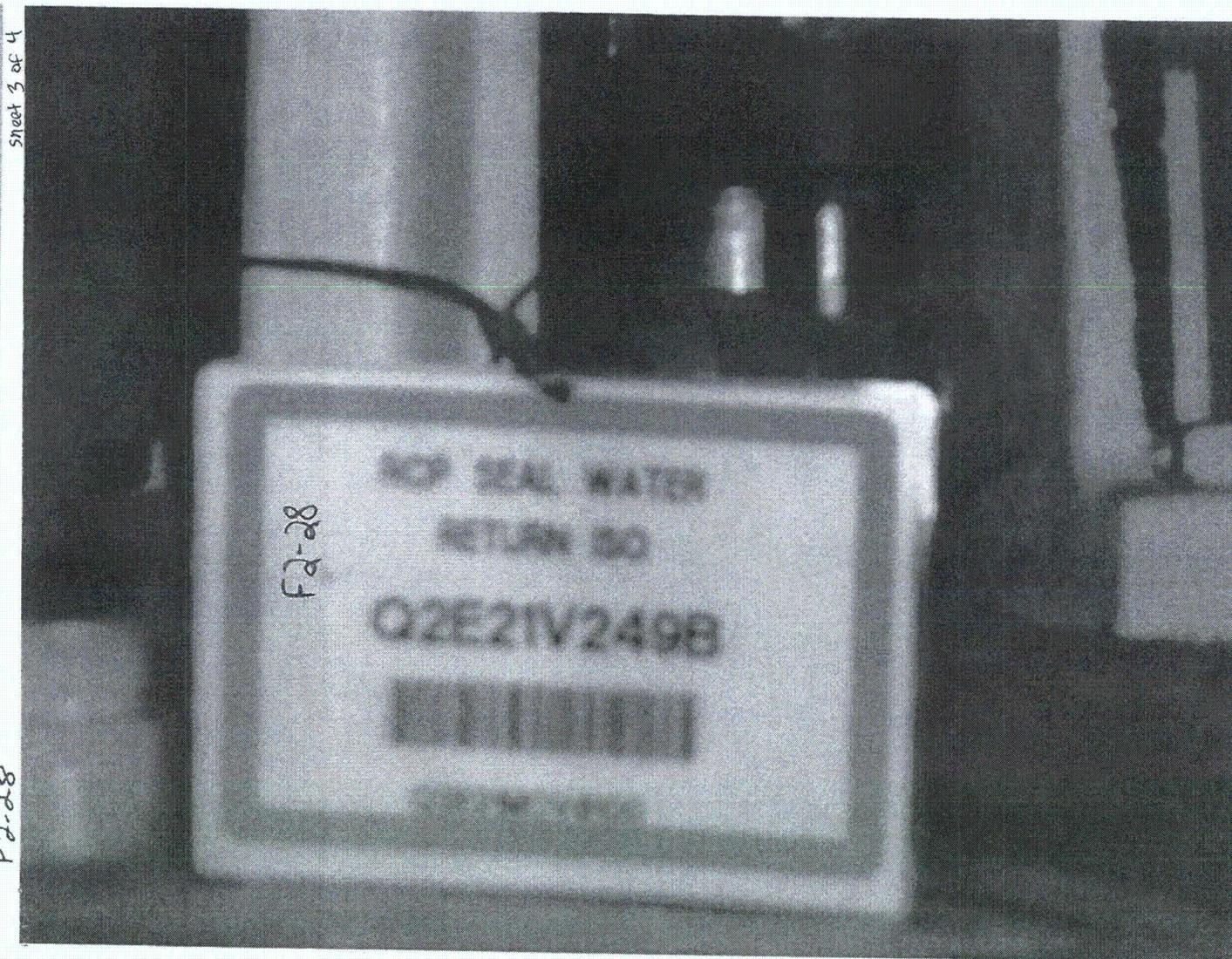
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

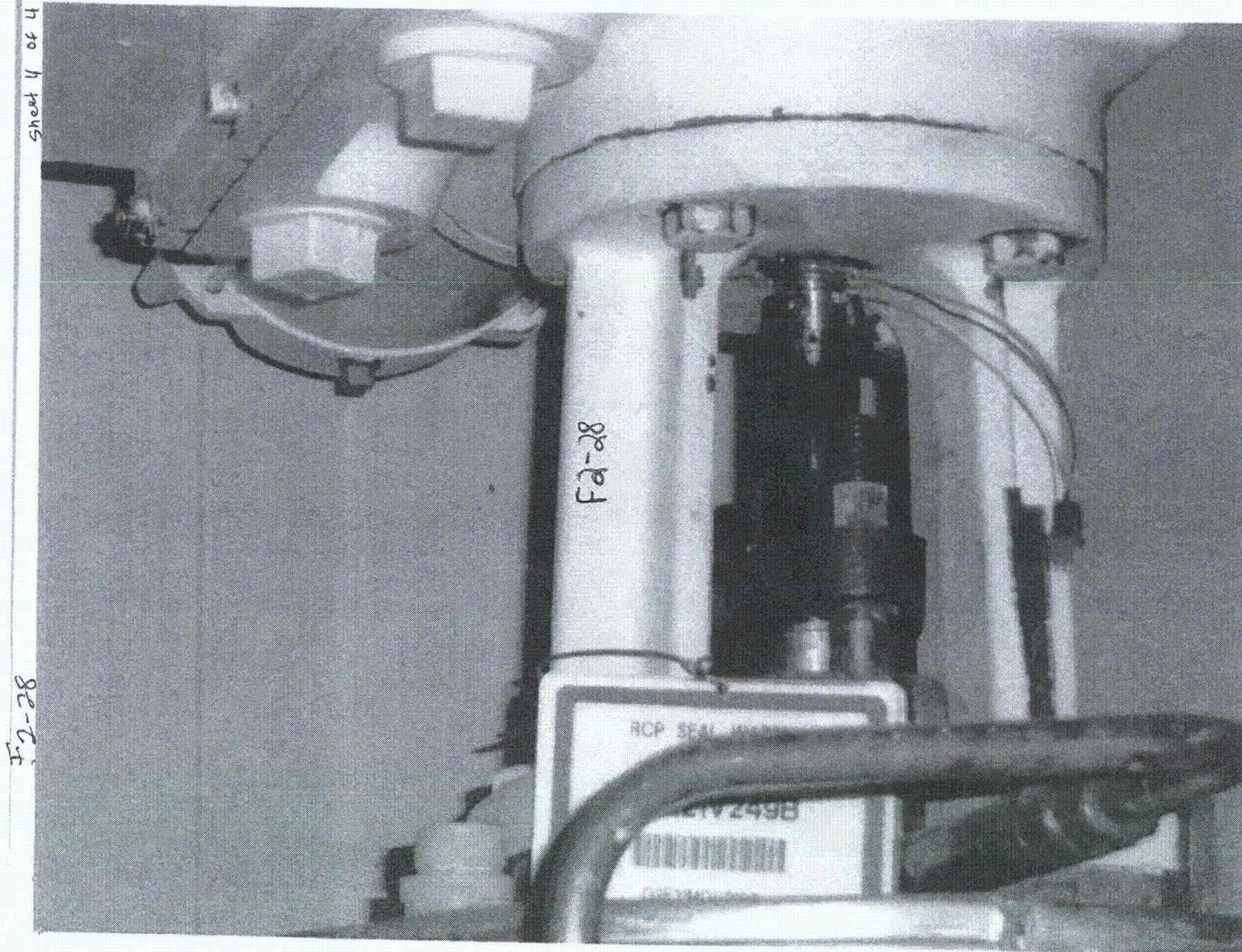
This component is also known as Q2E21V249B
see component Q2E11MOV8888B for AWC.

Evaluated by: Maggie Farah Date: 8/23/12
Romita Rom Miranda 8/23/12



Sheet 3 of 4

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7/22/29

This component is also known as Q2E21V258

Sheet 1 of 3

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8108 Equip. Class 8

Equipment Description CHARGING PUMP TO RCS ISOLATION

Location: Bldg. AUXILIARY Floor El. 121 Room, Area 2223

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A in-line component, no anchorage

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A in-line component, no anchorage

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A in-line component, no anchorage

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

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

1 Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8108 Equip. Class: 8

Equipment Description CHARGING PUMP TO RCS ISOLATION

Interaction Effects

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

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

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

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

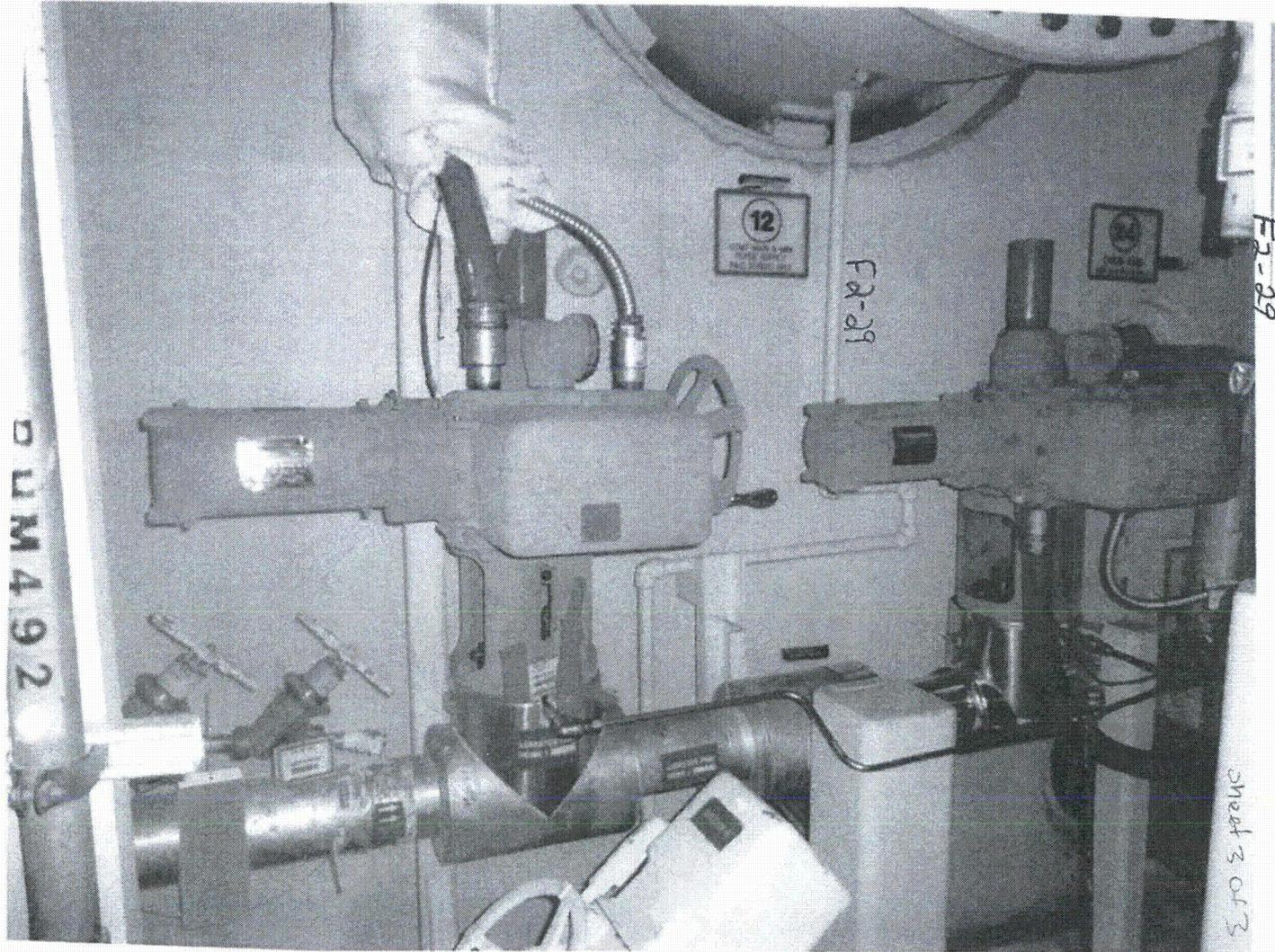
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

This component is also known as Q2E21N258
See component Q2E11MOV8898 for AWC

Evaluated by: [Signature] Maggie Farah Date: 8/23/12
[Signature] Ron Miranda 8/23/12



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Sheet 1 of 4
 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8109C Equip. Class: 8

Equipment Description CHARGING PUMP P002C MINIFLOW VALVE

Location: Bldg. AUXILIARY Floor El. 102 Room, Area 2173
RM 8-22-12

Manufacturer, Model, Etc. (optional but recommended)

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
 Inline component, no anchorage.
2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 4
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8109C Equip. Class: 8

Equipment Description CHARGING PUMP P002C MINIFLOW VALVE

Interaction Effects

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

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

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

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

Other Adverse Conditions

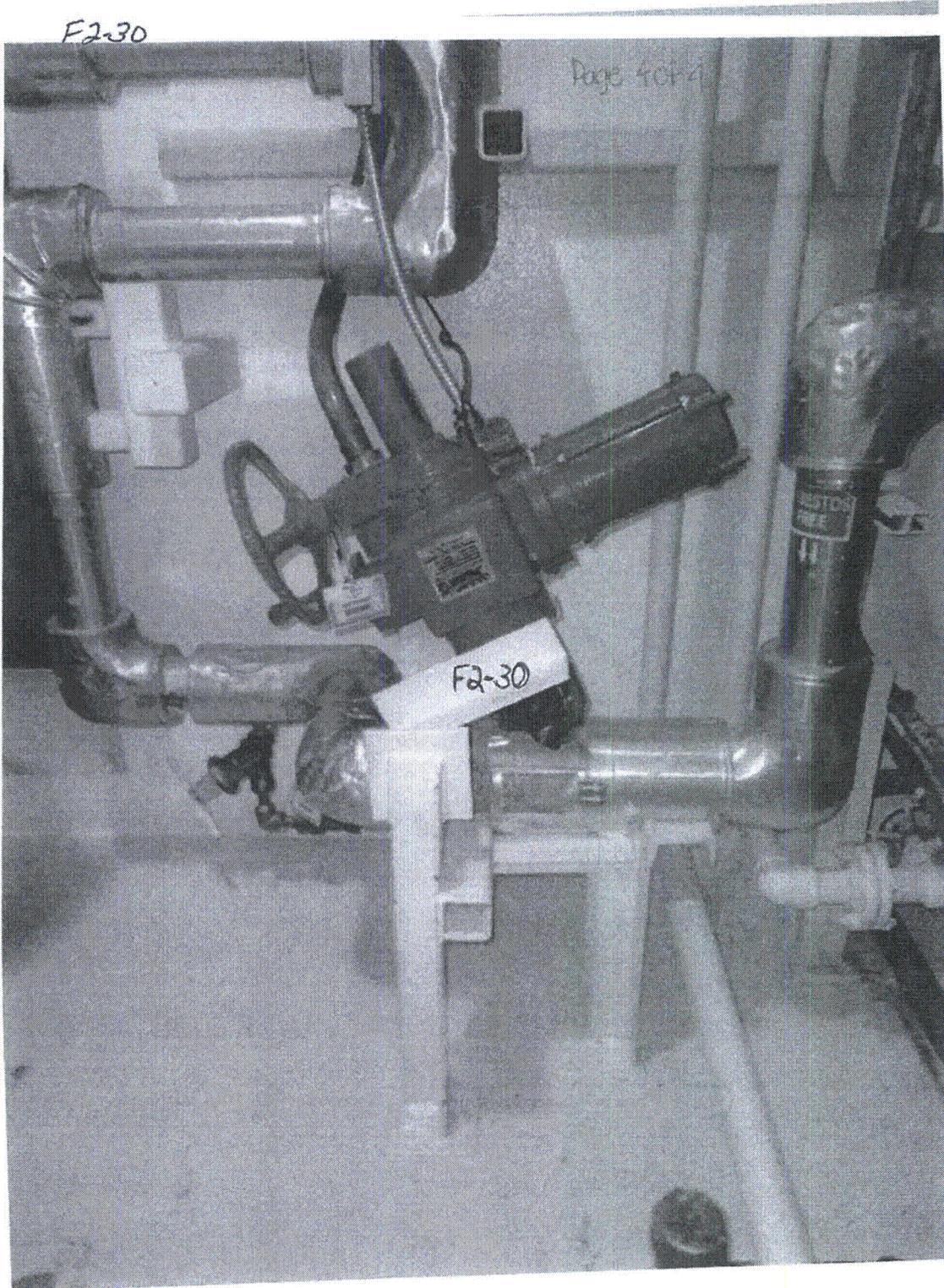
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment? Y N U

Comments (Additional pages may be added as necessary)

Evaluated by: Laura MacLay Laura MacLay Date: 8-22-12

Terry A. Muenich TERRY A. MUENICH 8/22/12





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Sheet 1 of 8
 Status: Y N U 3/23/12

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8130A Equip. Class¹ 8
 Equipment Description CHG PUMP SUCTION HDR ISOLATION
 Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2189 Var. 01, 4175
 Manufacturer, Model, Etc. (optional but recommended) (verified)

Instructions for Completing Checklist

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

Anchorage

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
IN LINE EQUIPMENT
2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 4
Status: Y N U *OMA 8/27/12*

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8130A Equip. Class: 8

Equipment Description: CHG PUMP SUCTION HDR ISOLATION

Interaction Effects

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

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

BLOCK WALLS ON THE WEST WALL OF THE ROOM WERE EVALUATED UNDER REPORT FTG-C-002, ref. DRAWING D-206502.R9.

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

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

Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

NONE

Evaluated by:

P. MIKTUS *[Signature]*

Date:

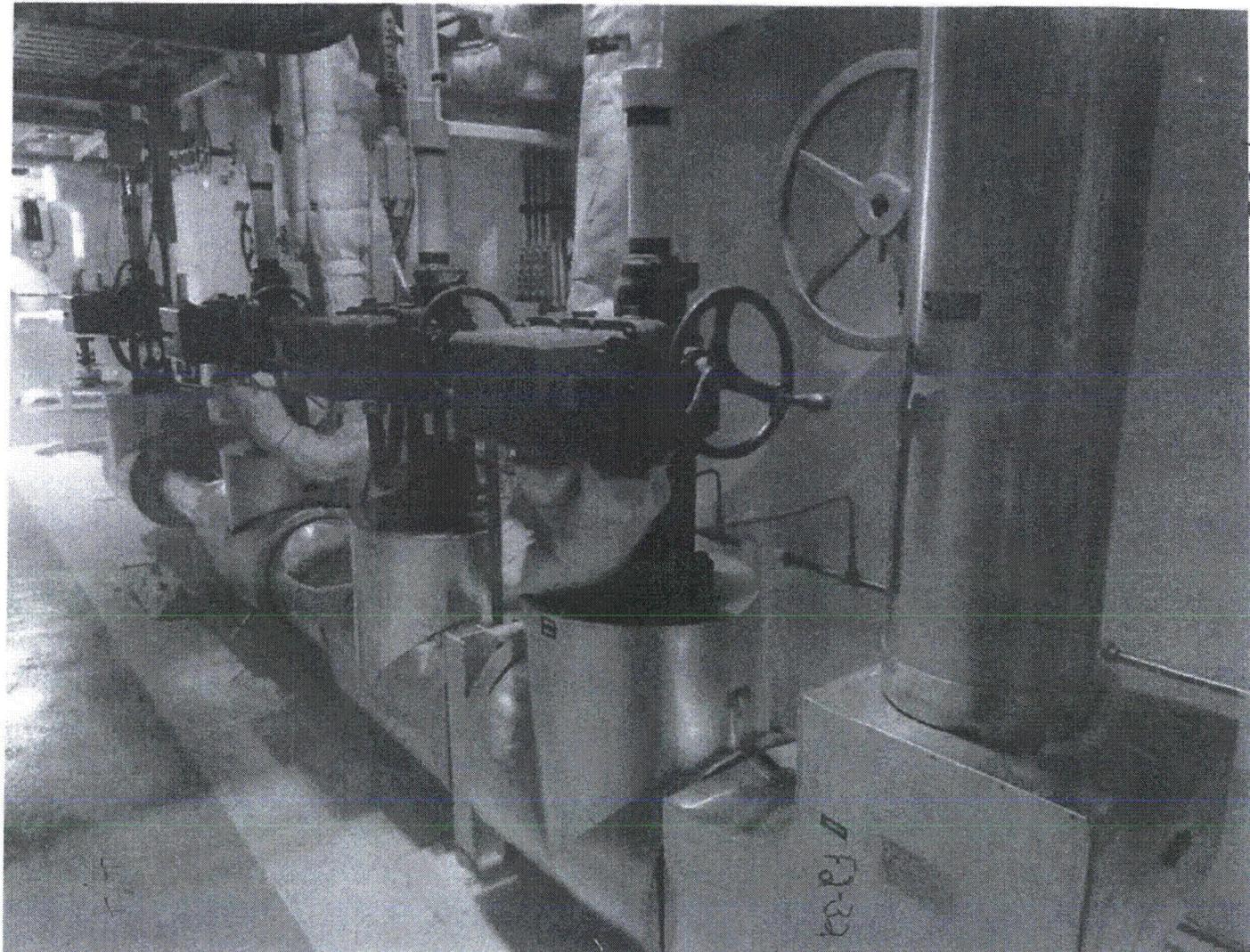
8-27-12

S. YUAN

[Signature]

8-27-12





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Sheet 1 of 2 ^{1/4} PM 8/21
 Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8133A Equip. Class¹ 8

Equipment Description CHG PUMP DISCHARGE HDR ISOLATION

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2175

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

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

IN LINE EQUIP

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

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

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

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 3
Status: Y N U *POM 8/27/12*

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8133A Equip. Class: 8

Equipment Description CHG PUMP DISCHARGE HDR ISOLATION

Interaction Effects

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

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

DOUBLE CHECK P.M. 8/27/12
BLOCK WALLS ARE EVALUATED IN REPORT FTG-C-002 REF. DWG. D-206502, 29
9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

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

Other Adverse Conditions

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

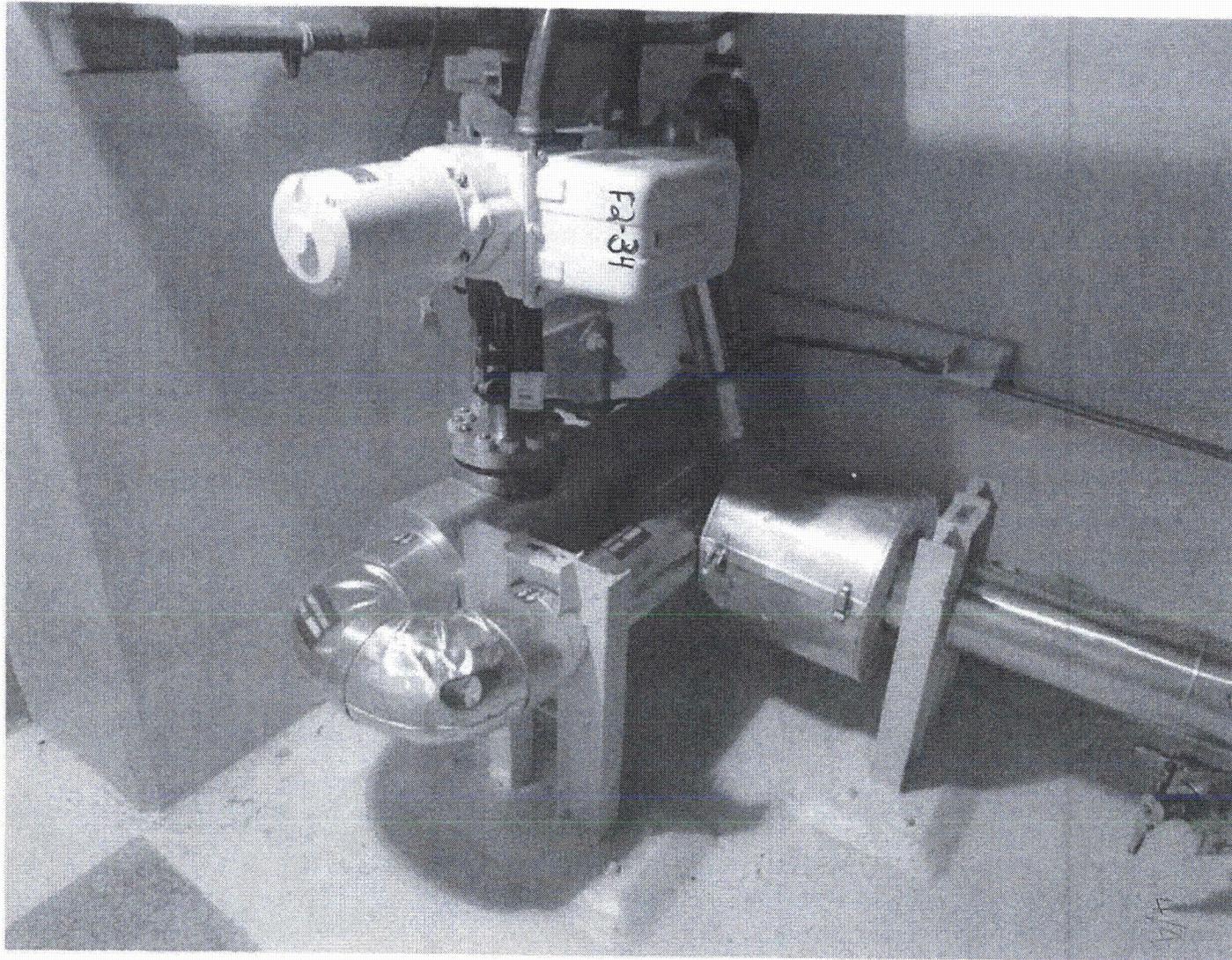
Comments (Additional pages may be added as necessary)

NONE

Evaluated by: P. MIKTOS *P. Miktos* Date: 8-27-12
S. YUAN *Steph Y* 8-27-12



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SHEET 3 OF 4





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Sheet 1 of 3 4

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8885 Equip. Class¹ 8

Equipment Description HHSI TO RCS COLD LEG ISOLATION

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2184

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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

Anchorage

- 1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
Infinite component, no anchorage
- 2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
- 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
- 4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
- 5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
- 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U
YES TMM 8/22/12

¹ Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 4
Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21MOV8885 Equip. Class: 8

Equipment Description: HHSI TO RCS COLD LEG ISOLATION

Interaction Effects

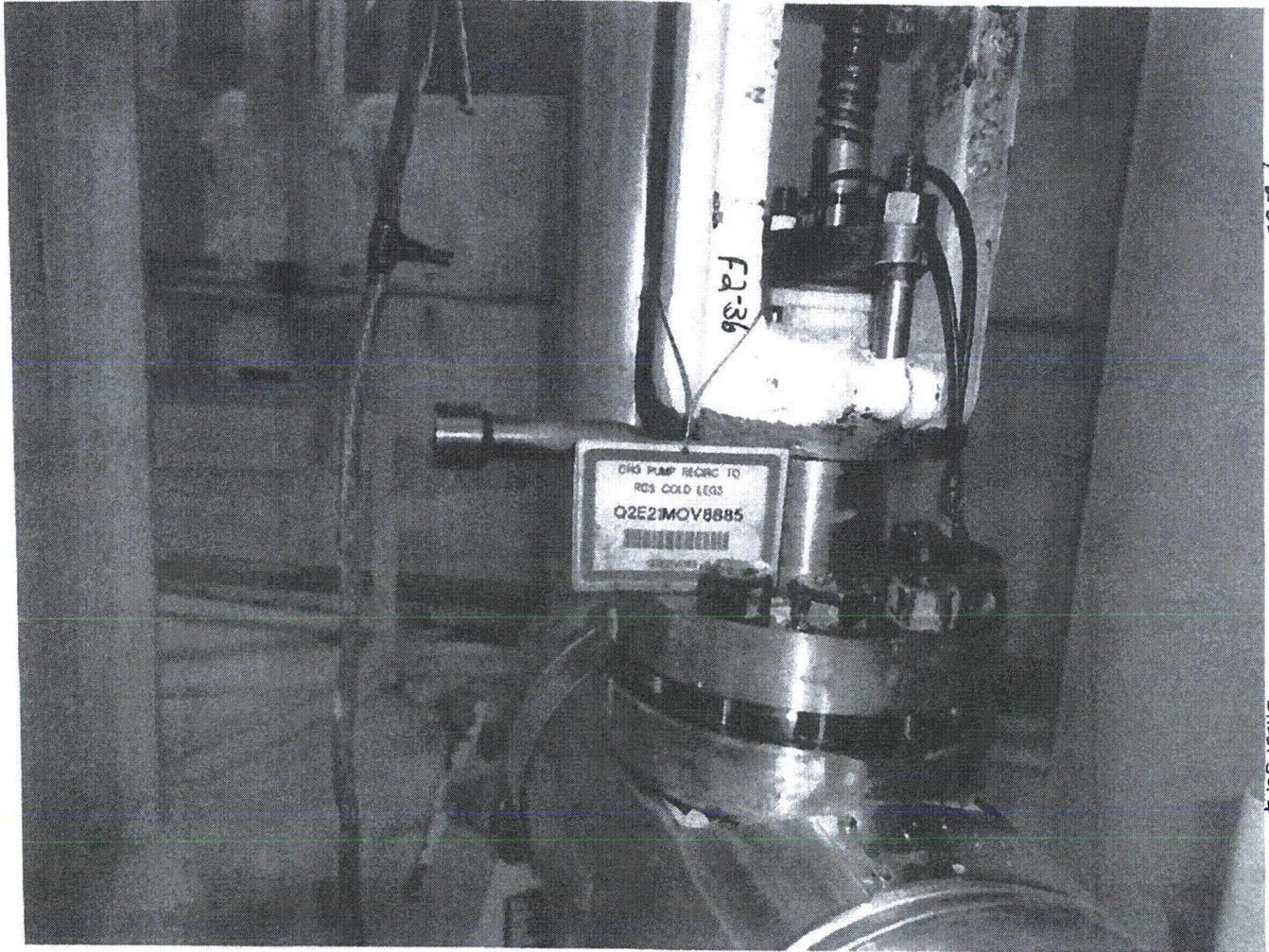
- 7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A
Scaffold #381 is erected next to Q2E21MOV8885 but is not a seismic concern due to its location next to a rigid support. It cannot hit the valve therefore it is seismically adequate.
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A
- 9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

Other Adverse Conditions

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

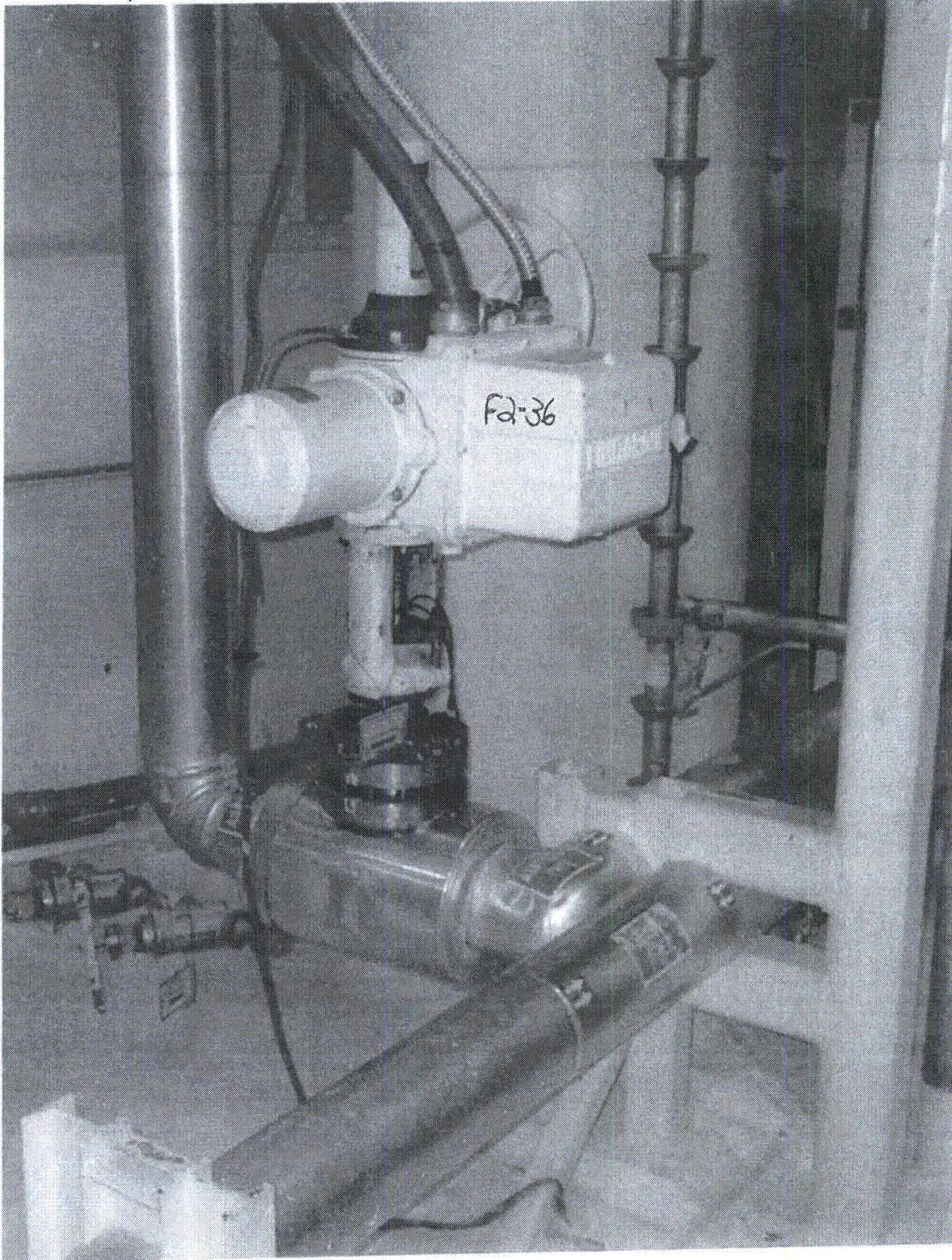
Comments: (Additional pages may be added as necessary)

Evaluated by: Laura MacLay Laura MacLay Date: 8-22-12
Terry A. Mullerix Terry A. Mullerix 8/24/2012



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08/12/14

Sheet 1 of 35

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21P002B Equip. Class* 5

Equipment Description CHARGING/HHSI PUMP P002B SWING PUMP

Location: Bldg. AUXILIARY Floor El. 100 Room, Area 2.174

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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Anchorage

- 1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)? Y N
- 2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A
- 3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A
- 4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A
- 5. Is the anchorage configuration consistent with plant documentation? Y N U N/A
(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
ref SEWS pkg for Q1E21 P002A
- 6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions? Y N U

* Enter the equipment class name from Appendix B: Classes of Equipment

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Amst

Sheet 2 of 25

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2E21P002B Equip. Class 5

Equipment Description CHARGING/HHSI PUMP P002B SWING PUMP

Interaction Effects

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

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

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

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

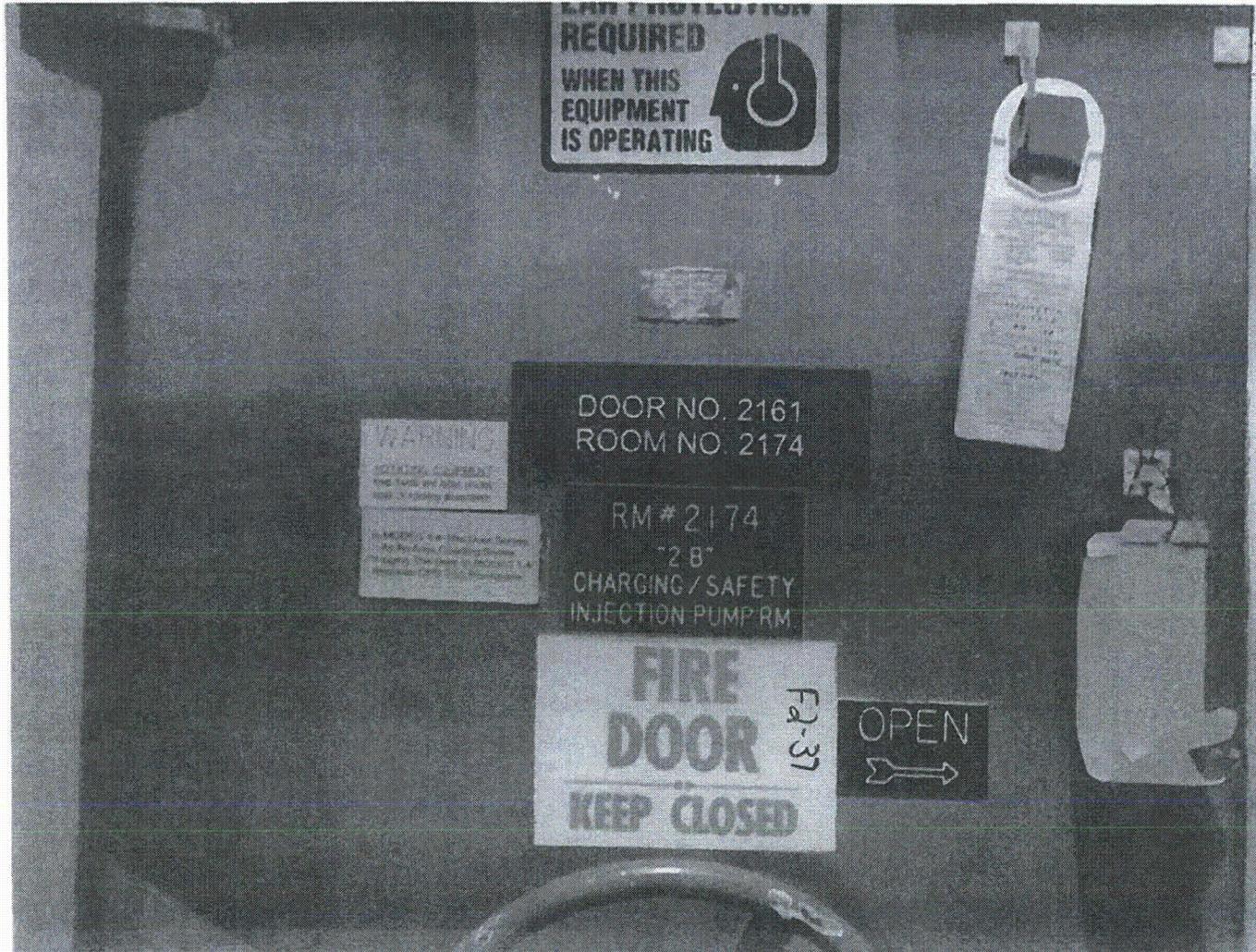
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

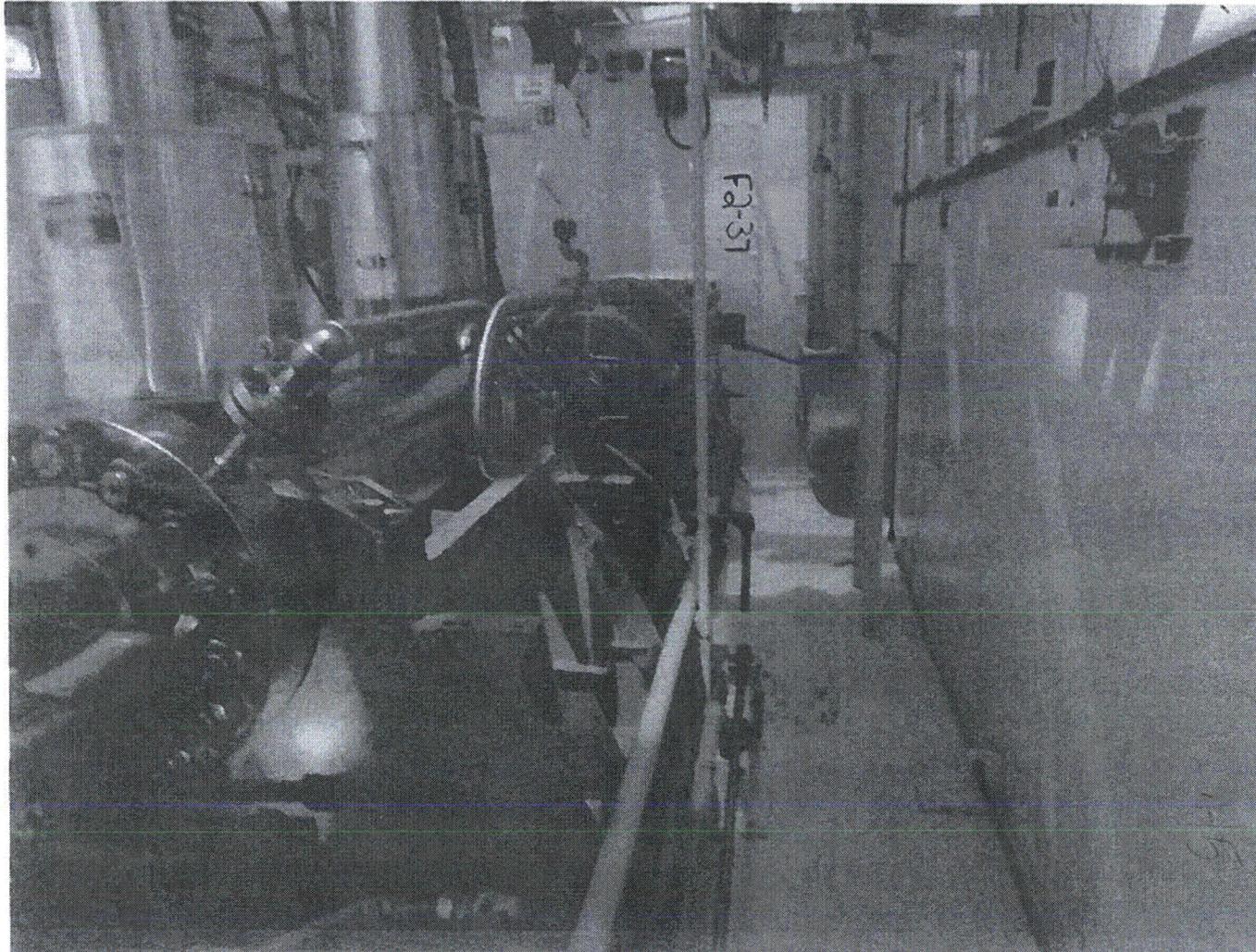
COULD NOT SEE PUMP TAG # ON PUMP ^{HOWEVER,} ROOM DEDICATED ^{THE} FOR Q2E21P002B

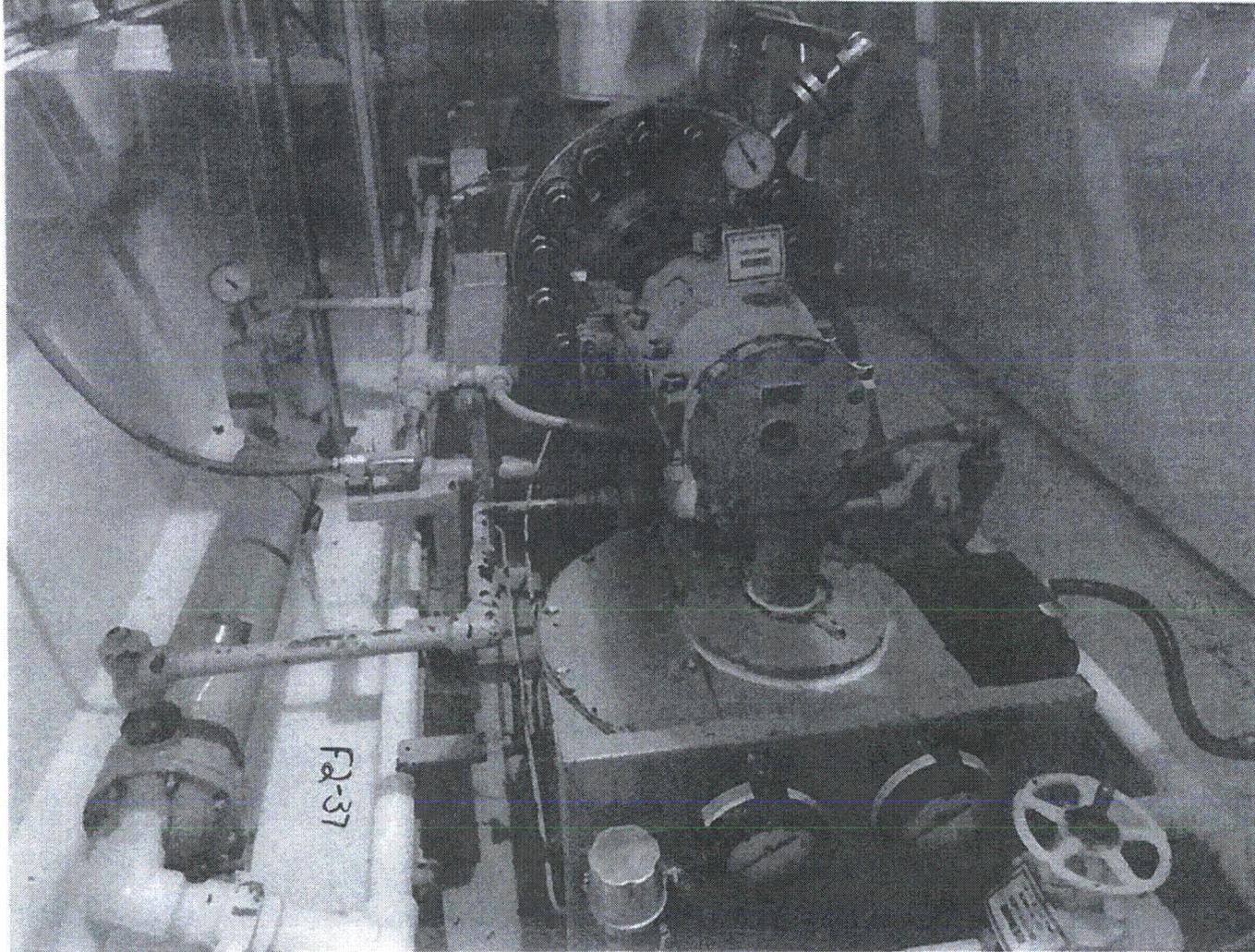
Evaluated by: P. MIKTUS *Paul Miktus* Date: 8-27-12
S. YVAN *Steph Yvan* 6-27-12



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3 of 5





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f238

Sheet 1 of 34 *26*

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2F16LT0501 Equip. Class# 18

Equipment Description RWST LEVEL TRANSMITTER

Location: Bldg. YARD Floor El. 155 Room, Area RWST

Manufacturer, Model, Etc. (optional but recommended) _____

Instructions for Completing Checklist

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Anchorage

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

2. Is the anchorage free of bent, broken, missing or loose hardware? Y N U N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation? Y N U N/A

Base plates and bolts have more than mild corrosion. Existing CR 366965 (Structural Monitoring) has already addressed these similar issues and provided structural adequacy, acceptability.

4. Is the anchorage free of visible cracks in the concrete near the anchors? Y N U N/A

New CR 509889 was written since support has not been cleaned and coated to have this done sooner.

Based on eval. of CRs transmitter anchorage has capacity to support

5. Is the anchorage configuration consistent with plant documentation? Y N U N/A

(Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)

Item during seismic event

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

Enter the equipment class name from Appendix B: Classes of Equipment.

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Sheet 2 of 8

Status: Y N U

Seismic Walkdown Checklist (SWC)

Equipment ID No. Q2F16LT0501 Equip. Class 18

Equipment Description RWST LEVEL TRANSMITTER

Interaction Effects

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

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

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

End of conduit on support nearby to transmitter touches the transmitter. Both transmitter and conduit support are attached to floor which would act together, no seismic interaction concern

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

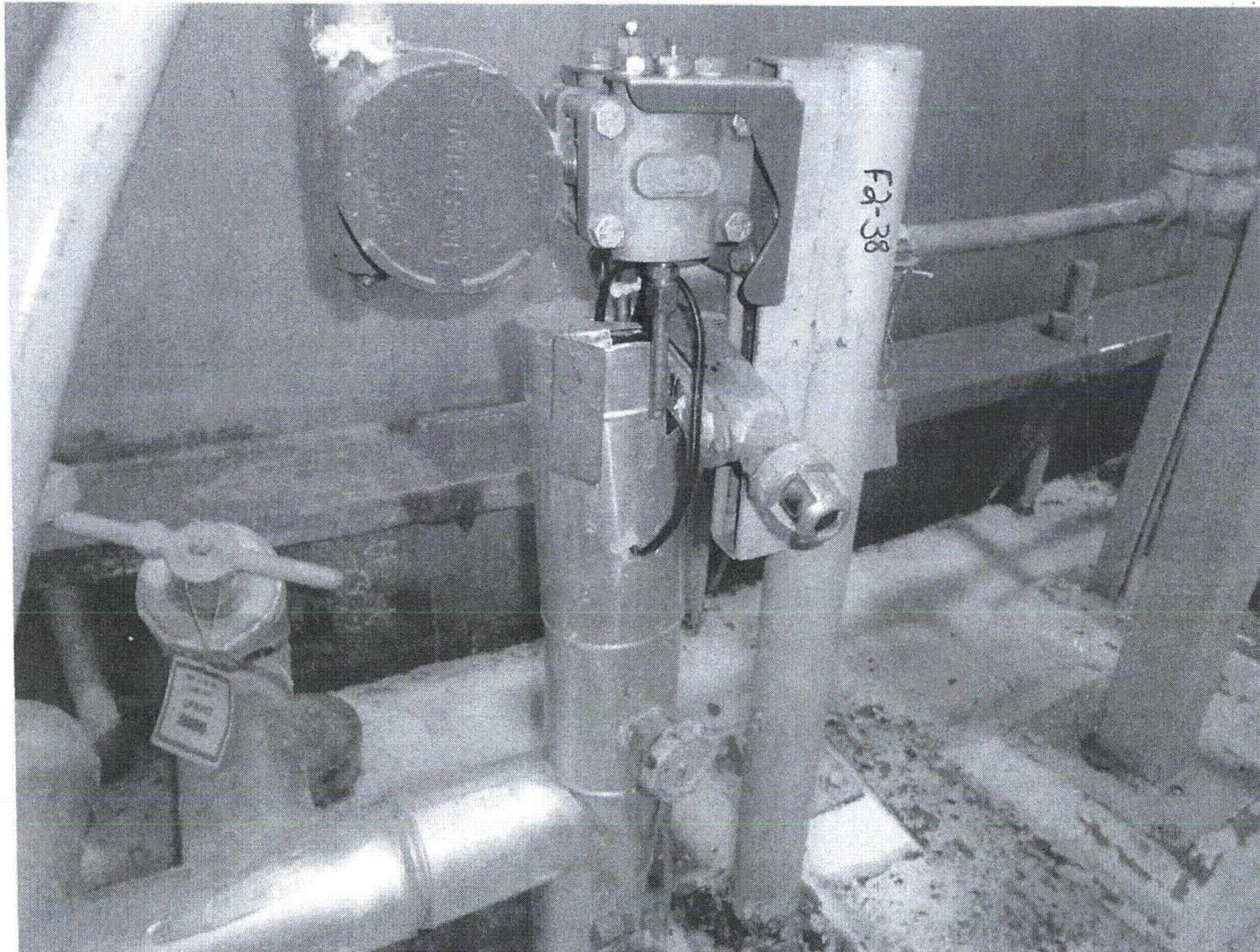
Other Adverse Conditions

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

Comments (Additional pages may be added as necessary)

NONE

Evaluated by: Scott Warden Date: 8.30.2012
Crystal Lovelady 8/30/2012



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VALVE 0501

Sheet 3 of 4

