



**Consumers
Power
Company**

Midland Project: PO Box 1963, Midland, MI 48640 • (517) 631-8650

January 4, 1984

50-329
50-330

Mr S W Baranow
Stone & Webster Michigan, Inc
P O Box 1963
Midland, MI 48640

MIDLAND ENERGY CENTER GWO 7020
NIR'S 001, 006, 007, 008 & 009
File: Bl.1.7, 0655 UFI: 99*08, 53*50*04 Serial: CSC-7133

Attached are MPQAD QAR's for the corresponding S&W NIR's as indicated:

<u>QAR No</u>	<u>NIR No</u>
RT-00016	001
RT-00017	009
RT-00019	006
RT-00020	007
RT-00021	008

These QAR's were written to enter the S&W identified nonconforming conditions into MPQAD's QUAIL System and to review the corrective actions to determine if process corrective action is required.

Dean L. Quamme

DLQ/DDJ/klp

cc: JGKeppler, NRC Region III w/a
JHarrison, NRC Region III w/a
RJCook, NRC Site w/a
BHPeck, MEC w/a
NIREichel, MEC w/a
RAWells, MPQAD w/a

8401120274 840104
PDR ADOCK 05000329
A PDR

Dean L Quamme
Site Manager
Midland Project

PRINCIPAL STAFF			
RA	<i>ha</i>	PRP	
D/RA		DE	
A/RA		CRMSF	
RC		DRMA	
PAO		SCS	
SGA		ML	
ENF		File	<i>ha</i>

3 to 4

JAN 9 1984

1801

QUALITY ACTION REQUEST

6. QAR NO: RT-00016

7. DATE ISSUED: 12/29/83 8 REV: 0

1. REQUIREMENT:

Bechtel Training Matrix requires Code 3 training for AG C-9.00 for Lead Team Support Engineer.

9. PAGE 1 OF 3

10. ASME RELATED

☐ YES ☒ NO

2. DEFICIENCY:

Training records show Code 2 training for Roger Guard as reported on S&W NIR #001.

11. POTENTIAL 50.55(e)
YES ☐ NO ☒

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

N/A

12. REPORTED TO MPQA
MANAGER:
DATE N/A

3. ACTION ITEM NO:

S04120

15. ITEM PRIORITY:

4

17. S/U CODE:

PGM00

19. ACTION ORGANIZATION

Bechtel Construction
Training Coordinator

20. QAR REVIEWED BY:

H. Ewert

4. DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

N/A

21. DATE:

12/29/83

22. CAUSE:

Unknown. See S&W NIR #001.

23. PROPOSED CORRECTIVE ACTION:

See NIR #001
This QAR is issued to enter the NIR into the
QUAIL System.

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

Bechtel Construction/Training Coordinator

25. PROPOSED COMPLETION DATE

Actual completion was 8/15/83.

26. DISPOSITION CONCURRENCE:

H. Ewert 12/29/83
QAR REVIEWER DATE

N/A
PQAE (ASME ONLY) DATE

27. DISPOSITION ACTION TAKEN:

A construction training record for Mr Guard was completed on August 15, 1983 (copy attached). No further action required. The checked box on the construction training record is consistent with Code 3 training required by FPG 2.000 paragraph 5.2.

28. METHOD OF DISPOSITION VERIFICATION

See NIR #001

29. QAR CLOSED BY

H. Ewert 12/29/83
MPQAD DATE

N/A
PFQCE (ASME ONLY) DATE

ACCEPTABLE ☒ UNACCEPTABLE ☐ SUPERCEDING QAR

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QAR No. RI-00016
Page 2 of 3
QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE:

August 9, 1983

NIR NUMBER 001

IDENTIFICATION/LOCATION OF ITEMS:

CONSTRUCTION TRAINING RECORDS FOR AG-C.900

DESCRIPTION OF NONCONFORMANCE:

Computer records show LSE Roger Guard as trained to Code 3. Training Matrix require's training to Code 3. Actual Training Records show Code 2.

INITIATOR

DATE

8/17/83

PROGRAM MGR

DATE

August 17, 1983

CORRECTIVE ACTION BY:

BECHTEL TRAINING COORDINATOR

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

A construction training record for Mr. Guard was completed on August 15, 1983, copy attached. No further action required.

The checked box on the construction training record is consistant with code 3 Training required by FPG 2.000 Paragraph 5.2.

VERIFICATION (SAT) UNSAT

INITIATOR

DATE

8/17/83

NEW NIR#

DATE

N/A

CONCURRENCE

PROGRAM MGR

DATE

August 17, 1983

REMARKS

CONSTRUCTION TRAINING RECORD

NAME ROGER L. GUARD DATE AUG. 15, 1983
DEPARTMENT BULK HANDLER TEAM # 30
ASSIGNMENT LEAD TEAM SUPPORT ENGINEER

CHECK THE APPROPRIATE BOX (ONE BOX ONLY)

- ☐ COMPLETED READING
- ☒ COMPLETED READING AND REVIEW WITH SUPERVISOR
- ☐ COMPLETED TRAINING
- ☐ EXEMPT FROM TRAINING DUE TO PRIOR WORK EXPERIENCE (NOTE #1)

SIGNATURES REQUIRED

- EMPLOYEE & SUPERVISOR
- EMPLOYEE & SUPERVISOR
- EMPLOYEE, SUPERVISOR, & TRAINER
- EMPLOYEE, SUPERVISOR, & CPCO-SMO

DOCUMENT TITLE

AG C-9.00
CONTROLLED ACCESS
REVISION 2 5-9-83

DOCUMENT TITLE

SIGNATURES

EMPLOYEE Roger L. Guard
SUPERVISOR Edward C. Smith
TRAINER _____
CPCO-SMO _____

DATE

Aug 15, 1983
8/15/83

NOTE: EXEMPTION REQUESTS MUST BE SUPPORTED BY DOCUMENTATION OF WORK RELATED EXPERIENCE ON THE REVERSE SIDE OF THIS FORM. REVIEW OF REQUESTS FOR EXEMPTION, WITH SUPPORTING DOCUMENTATION, WILL BE THE RESPONSIBILITY OF THE TRAINING COORDINATOR. HE WILL SECURE THE

QUALITY ACTION REQUEST

6. QAR NO: RT-00017

7. DATE ISSUED: 12/29/83 8. REV: 0

1. REQUIREMENT:

FPD 1.000, section 7.1.2 requires that the document controller maintain up to date controlled sticks at locations designated by the PFE.

9. PAGE 1 OF 2

10. ASME RELATED

☐ YES ☒ NO

2. DEFICIENCY:

Stone and Webster NIR #009 identified the fact that one drawing in a sample of 50 was missing.

11. POTENTIAL 50.55(e)
YES ☐ NO ☒

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

N/A

12. REPORTED TO MPQA

MANAGER:
DATE N/A

3. ACTION ITEM NO:

S04121

15. ITEM PRIORITY:

4

17. S/U CODE:

PGM00

19. ACTION ORGANIZATION

Field Document Control Center

20. QAR REVIEWED BY:

21. DATE:

12/29/83

4. DISCIPLINE:

N/A

16. TPEND CODE:

DNT

18. RESB CODE:

N/A

22. CAUSE:

Unknown. See S&W NIR #009.

23. PROPOSED CORRECTIVE ACTION:

See NIR #009. This QAR is issued to enter the NIR into the QAAIL system.

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

Field Document Control Supervisor/Judy Davis

25. PROPOSED COMPLETION DATE

Actual completion was 12/12/83.

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

N/A
PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

Corrective action had been accomplished. CIO verified that the missing drawings had been added to the controlled stick drawings and performed a sample inspection of the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev 3, Review and Resolution Program. Corrective action completed on December 12, 1983.

28. METHOD OF DISPOSITION VERIFICATION

See NIR #009.

29. QAR CLOSED BY

MPQA

DATE

N/A

PFQCE (ASME ONLY)

DATE

ACCEPTABLE ☒ UNACCEPTABLE ☐ SUPERCEDING QAR

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QAR No. RT-00017
Page 2 of 2
QCI 15.01
Attachment 4.1
Revision 2

DATE OF NONCONFORMANCE: December 11, 1983

NIR NUMBER 009

IDENTIFICATION/LOCATION OF ITEMS: Support Services Building
Q.C. Station #55

DESCRIPTION OF NONCONFORMANCE:

A sample inspection was performed of controlled Architechural drawings at Q.C. Station No. 55. A sample size of 50 drawings representing a lot size of 224 drawings was selected. Accept/Reject criteria is; Accept 0 Reject 1. Drawing No. A-213 was missing from Station 55 control drawing sticks. As a result, the entire lot of the 224 drawings has been rejected.

This NIR describes a deficiency against the Document Control Center. A check of the Control Card for drawing A-213 does not show any FCR/FCNs as being applicable.

Richard Scollan
INITIATOR

DATE 12/12/83

PROGRAM MGR [Signature]

DATE Dec 12, 1983

CORRECTIVE ACTION BY:

MPQAD

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

Corrective action had been accomplished by MPQAD. CIO verified that the missing dwgs had been added to the controlled stick dwgs and performed a sample inspection on the drawings at this station. The review was considered to be satisfactory and acceptable in meeting the requirements of FID-2.400 Rev. 3, Review and Resolution Program. Corrective Action completed on December 12, 1983.

VERIFICATION SAT ☒ UNSAT
INITIATOR R. Scollan
DATE 12/13/83

NEW NIR# N/A
DATE

CONCURRENCE
PROGRAM MGR [Signature]
DATE December 13, 1983

REMARKS This NIR as issued is closed as corrective action has been completed.

QUALITY ACTION REQUEST

6. QAR NO:	RT-00019
7. DATE ISSUED:	8 REV:
12/29/83	0
9. PAGE	1 OF 3
10. ASME RELATED	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

REQUIREMENT:

FPG-2.000 Rev 5 identifies requirements for maintaining construction training records.

DEFICIENCY:

Stone and Webster NIR #006 identified numerous deficiencies in construction training records.

11. POTENTIAL 50.55(e)
YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

1/6/84

12. REPORTED TO MPQA
MANAGER:

DATE N/A

ACTION ITEM NO:

SO4122

15. ITEM PRIORITY:

3

17. S/U CODE:

PGM00

19. ACTION ORGANIZATION

Bechtel Construction
Training Coordinator

20. QAR REVIEWED BY:

[Signature]

DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

BC PCO FEST

21. DATE:

12/29/83

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFQCE (ASME ONLY)

DATE

ACCEPTABLE ☐

UNACCEPTABLE ☐

SUPERCEDING QAR

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

Page 2 of 3
QCI 15.01
Attachment 4.1
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE: OCTOBER 27, 1983 NIR NUMBER 006

IDENTIFICATION/LOCATION OF ITEMS:

BECHTEL DOCUMENT CONTROL CENTER

DESCRIPTION OF NONCONFORMANCE:

During the review of 2054 non-manual Construction Training Records, three areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #5, 6, 8, 9, 12, 13, 16, 17, 19, 20, 25, 26, (27/28), 29, 30, 31, 32/33), BHO Team Staff.

(See attached for descriptions of Discrepancies)

Walter H. Sienkiewicz
INITIATOR

DATE October 28, 1983

PROGRAM MGR

Lawrence

DATE October 28, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION SAT UNSAT

NEW NIR#

CONCURRENCE

INITIATOR

PROGRAM MGR

DATE

DATE

DATE

REMARKS

- 1) Course Rosters Attachment D to FPG-2.000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. FIG. No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel
10	(a) Signature (b) Print Last Name	Either a or b missing
5	Instructor Name	Instructor Department
In addition many entries were left blank		

- 2) Reading Records Attachment C to FPG-2.000 exhibited one or more of the following discrepancies:

Reading Record

- 1) The department and or assignment lines are illegible or incomplete.
- 2) Assigned reading performed on October 11, 1983 and September 29, 1983 were not documented on Reading Form Attachment C, Rev. 5.
- 3) Team Records and TSR (Training Status Report) show training completed Document Control Files showed no record of training. For example:

<u>NAME</u>	<u>TEAM #</u>	<u>TRAINING REQUIREMENT</u>	<u>DISCREPANCY</u>
Kranzfelder	Management	FPD-2.000 Code 2	No Record in File
J. Hull	32/33	M-204 Code 5	No Record in File

In addition to these violations, inconsistency was noted in 4 areas: (1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form as listed in Procedure FPG-2.000 were not utilized. (6) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.

QUALITY ACTION REQUEST

6. QAR NO: RT-00020	
7. DATE ISSUED: 12/29/83	8. REV: 0
9. PAGE 1 OF 3	
10. ASME RELATED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

1. REQUIREMENT:
FPG-2.000 Rev 5 identifies the requirements for generating and maintaining records of the training of construction personnel.

2. DEFICIENCY:
Stone and Webster NIR #007 identified numerous discrepancies in the records kept on construction personnel.

11. POTENTIAL 50.55(e)
YES ☐ NO ☒

3. QAR ORIGINATED BY: DMTurnbull		4. DISCIPLINE/DIVISION/SECTION QSD		5. RESPONSE DUE DATE 1/6/84		12. REPORTED TO MPQA MANAGER: DATE N/A	
3. ACTION ITEM NO: SO4123	15. ITEM PRIORITY: 3	17. S/U CODE: PGMOO	19. ACTION ORGANIZATION Bechtel Construction Training Coordinator		20. QAR REVIEWED BY: <i>H. Ewert</i>		
4. DISCIPLINE: N/A	16. TREND CODE: DNT	18. RESB CODE: BC PCO FEST			21. DATE: 12/29/83		

22. CAUSE:		23. PROPOSED CORRECTIVE ACTION: FOR INFORMATION ONLY	
24. RESPONSIBLE ORGANIZATION/PERSON:		25. PROPOSED COMPLETION DATE	

26. DISPOSITION CONCURRENCE:

QAR REVIEWER	DATE	PQAE (ASME ONLY)	DATE
--------------	------	------------------	------

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION		29. QAR CLOSED BY	
		MPQAD	DATE
		PFQCE (ASME ONLY)	DATE
ACCEPTABLE <input type="checkbox"/> UNACCEPTABLE <input type="checkbox"/> SUPERCEDING QAR _____			

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

QAR NO. RI-00020
Page 2 of 3
QC# 15.01
Attachment 4.1
Revision 2
Page 1 of 2

DATE OF NONCONFORMANCE: November 7, 1983

NIR NUMBER 007

IDENTIFICATION/LOCATION OF ITEMS:

DESCRIPTION OF NONCONFORMANCE:

During the review of 834 non-manual Construction Training Records, two areas of discrepancies were observed which were not in compliance with the requirements of FPG-2.000 Rev. 5, "Training of Construction Personnel." (The following Teams were evaluated #24, Field Procurement, Sub Contractors, Managements, F.E. Staff, and CGSO.

(See attached for descriptions fo Discrepancies)

Walter H. Siemkiewicz
INITIATOR

PROGRAM MGR W. Buchanan

DATE NOVEMBER 7, 1983

DATE November 7, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION SAT UNSAT

NEW NIR#

CONCURRENCE

INITIATOR

PROGRAM MGR

DATE

DATE

DATE

REMARKS

NIR 007

- 1) Course Rosters Attachment D to FPG-2000 exhibited one or more of the following discrepancies.

<u>BLOCK NO.</u>	<u>ENTRY REQUIRED</u>	<u>ENTRY RECORDED</u>
1	CCP	DWG. No. Fig. No. Course No.
2	(a) Name of lesson (b) Procedures (c) Revision	Either a, b, or c missing
6	Location of Session	Bechtel

In addition some entries
were left blank

- 2) In addition to these violations, inconsistencies were noted in 6 areas:

(1) Modification to records, some lined through, signed and dated and others simply lined through. (2) Some entries on course register are completed using pencil while most are in ink. (3) Difficulty is experienced in determining the accuracy of records where attendance at a course carries credit for several others. (4) Some entries carried the revision number to procedures and some omitted the revision. (5) Proper "Course Roster Form" as listed in Procedure FPG-2.000 were not utilized. (6) Some courses on Rosters contain information not identical to matrix listing.

It is recommended that the disposition to this NIR include a commitment to verify training records of each individual prior to status assessment assignment.

QUALITY ACTION REQUEST

6. QAR NO:	RT-00021
7. DATE ISSUED:	8 REV:
12/29/83	0
9. PAGE	1 OF 3
10. ASME RELATED	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

1. REQUIREMENT:

FPG 2.000 identifies the requirements for, and the approvals required for training matrices. Various people generate and approve the matrices but the one common factor is that CP Co SMO gives final approval to all of them.

2. DEFICIENCY:

Stone and Webster NIR #008 identified five inadequacies in the system team training matrix in a sample of 50 which represented 318 job assignments.

3. QAR ORIGINATED BY:

DMTurnbull

4. DISCIPLINE/DIVISION/SECTION

QSD

5. RESPONSE DUE DATE

1/6/84

11. POTENTIAL 50.55(e)
YES ☐ NO ☒

12. REPORTED TO MPQA
MANAGER:
DATE N/A

3. ACTION ITEM NO:

S04124

15. ITEM PRIORITY:

3

17. S/U CODE:

PGM00

19. ACTION ORGANIZATION

CP Co Site Management
Organization

20. QAR REVIEWED BY:

H. Ewert

4. DISCIPLINE:

N/A

16. TREND CODE:

DNT

18. RESB CODE:

CPCO SM

21. DATE:

12/29/83

22. CAUSE:

23. PROPOSED CORRECTIVE ACTION:

FOR INFORMATION ONLY

24. RESPONSIBLE ORGANIZATION/PERSON:

25. PROPOSED COMPLETION DATE

26. DISPOSITION CONCURRENCE:

QAR REVIEWER

DATE

PQAE (ASME ONLY)

DATE

27. DISPOSITION ACTION TAKEN:

28. METHOD OF DISPOSITION VERIFICATION

29. QAR CLOSED BY

MPQAD

DATE

PFQCE (ASME ONLY)

DATE

ACCEPTABLE ☐ UNACCEPTABLE ☐ SUPERCEDING QAR _____

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORTQCI 15.01
Attachment 4.1
Revision 2

PAGE 1 OF 2

DATE OF NONCONFORMANCE:

NOVEMBER 8, 1983

NIR NUMBER

008

IDENTIFICATION/LOCATION OF ITEMS:

SYSTEM TEAM TRAINING MATRIX, REV.1, DATED JULY 20, 1983

DESCRIPTION OF NONCONFORMANCE:

During the review of the adequacy of the construction training matrices, a sample size of 50 training level assignments, representing a lot size of 318 assignments, five unsatisfactory conditions were observed in the training level assignments. The System Team Training Matrix of the Construction Training Program was utilized to perform the review.

See the attached for unsatisfactory conditions observed. The five unsatisfactory conditions reported represents a reject condition for this lot size of 318.

INITIATOR

DATE

11/9/83

PROGRAM MGR

DATE

October 10, 1983

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION SAT UNSAT

NEW NIR#

CONCURRENCE

INITIATOR

PROGRAM MGR

DATE

DATE

DATE

REMARKS

1. • FPG 9.700, "System Team Charter"

FPG 9.700 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. Paragraph 5.2.7 of this procedure identifies the job responsibilities and reporting relationships for the system team field engineers. As such, a level of training of "0" (no training) is not satisfactory.

2. FPO 1.201, "Bechtel Assigned Post Turnover (PTO) Work".

FPO 1.201 appears on the "System Team Training Matrix" as a Level "0" (no training required) for the system team field engineer, mechanical. In discussion with the Team #5 supervisor, it was noted that the Team members do get involved in Post Turnover Work. Because of this involvement by the Team members, a level of training of "0" (no training) is not satisfactory.

3. FIG 1.400 "Preparation, Review and Routing of Field Engineer's Reports."

FIG 1.400 includes responsibilities for several disciplines, ie; mechanical, civil, welding, and instrumentation as well as including responsibilities for the electrical discipline. The following conditions were noted as being unsatisfactory;

(a) The "System Team Training Matrix" under the column entitled "Responsible Discipline" shows this procedure to be an electrical discipline procedure.

(b) The "System Team Training Matrix" requires the field engineers of the mechanical and the instrumentation disciplines to receive a level "2" training whereas the field engineers of the electrical and welding disciplines receive a level "3" training. There is an inconsistency of training levels being assigned.

4. Specification M-214, "Piping System Erection Fit-up Control Requirements."

M-214 appears on the "System Team Training Matrix" as a level "0", (no training required) for the system team field engineer, welding. Specification pages 3, 5, 7B and 8 address welding. Also, weld fit-ups are addressed throughout this specification. As such, a level of training of "0" (no training) is not satisfactory.

5. Drawing E-039 - "Seismic Wireway Supports."

E-039 appears on the "System Team Training Matrix," as a level "0" (no training required) for the system team field engineer, welding. This drawing contains weld sizes and weld symbols for typical wireway supports. As such, a level of training of "0" (no training) is not satisfactory.

It is recommended that the disposition to this NIR include a commitment to verify the adequacy of all training matrices.