

DmB

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FP	File

STONE AND WEBSTER MICHIGAN, INC.  
 P.O. BOX 1963, MIDLAND, MICHIGAN 48640

50-329  
 50-330

DATE	6-7-84
J O NO.	14509
P O NO.	
LTR NO.	SWM-130
REF	

VIA

TO DISTRIBUTION

DEAR SIRs:

THE FOLLOWING ARE  ATTACHED:  SENT SEPARATELY:

<input checked="" type="checkbox"/> COPIES	<input type="checkbox"/> PRINTS	<input type="checkbox"/> REPRODUCIBLES	<input type="checkbox"/> MICROFILM APERTURE CARDS
EACH OF			
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> SPECIFICATIONS		
<input checked="" type="checkbox"/> DOCUMENTS	<input type="checkbox"/> NOTES OF CONFERENCE		

STATUS		PLEASE NOTE	SENT FOR YOUR	
<input type="checkbox"/> FINAL	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REVISIONS	<input type="checkbox"/> OMISSIONS	<input type="checkbox"/> APPROVAL <input type="checkbox"/> COMMENT
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> APPROVED AS REVISED	<input type="checkbox"/> ADDITIONS	<input type="checkbox"/> CORRECTIONS	<input type="checkbox"/> USE <input type="checkbox"/> INFORMATION
<input type="checkbox"/> NO COMMENT	<input type="checkbox"/> UNACCEPTABLE	<input type="checkbox"/> COMMENTS	<input type="checkbox"/>	<input checked="" type="checkbox"/> FILES <input type="checkbox"/> CONCURRENCE
<input type="checkbox"/> SUGGESTIONS AS NOTED	<input checked="" type="checkbox"/> CLOSED			

YOUR ATTENTION IS DIRECTED TO THE FOLLOWING:

RELEASED FOR:  FABRICATION  PURCHASE OF NECESSARY MATERIALS

PLEASE REVISE AND SUBMIT \_\_\_\_\_ PRINTS \_\_\_\_\_ REPRODUCIBLES \_\_\_\_\_ MICROFILM APERTURE CARDS

PLEASE SUBMIT \_\_\_\_\_ PRINTS \_\_\_\_\_ REPRODUCIBLES \_\_\_\_\_ MICROFILM APERTURE CARDS OF  DOCUMENTS  DRAWINGS  SHOP DETAIL

PLEASE RETURN ONE COPY EACH OF THIS MATERIAL BEARING YOUR APPROVAL OR COMMENTS

PLEASE ACKNOWLEDGE RECEIPT OF THIS MATERIAL BY SIGNING AND RETURNING THE ENCLOSED COPY OF THIS FORM.

WE TRUST THAT THESE NOTES ARE IN ACCORDANCE WITH YOUR UNDERSTANDING IF NOT PLEASE ADVISE US

**IMPORTANT** SHOULD ANY REVISION TO DOCUMENTS OR DRAWINGS RETURNED HEREWITH INVOLVE A PRICE INCREASE THE SUPPLIER MUST NOTIFY STONE & WEBSTER PURCHASING DEPARTMENT WITHIN TEN (10) DAYS EVEN THOUGH A DEFINITE ESTIMATE CANNOT BE GIVEN AT THE TIME OTHERWISE THE PURCHASER WILL CONSIDER THE REVISIONS MADE WITHOUT COST.

The following closed CIO NIR(s) is (are) forwarded for your information:

NIR 023 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*J. E. Karr*  
 J. E. Karr  
 CIO Program Manager

DISTRIBUTION:

- Job File C.4.2 (orig + 1)
- DLQuamme, CPCo
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- BLBurgess, NRC (site)
- APAmoruso (2)
- KRARndt/Chrono/Vault w/o attach(2)
- Initiator

8406120281 840607  
 PDR ADOCK 05000329  
 S PDR

JUN 7 1984

IEO1/11

STONE AND WEBSTER ENGINEERING CORPORATION  
NONCONFORMANCE IDENTIFICATION REPORT

DATE OF NONCONFORMANCE: 3/22/84

NIR NUMBER \_\_\_\_\_

IDENTIFICATION/LOCATION OF ITEMS:

WORK PRINT STATION No. 209

DESCRIPTION OF NONCONFORMANCE:

DURING THE ONGOING EVALUATION OF SITE DOCUMENT CONTROL, CIO PERFORMED A SAMPLE INSPECTION OF DOCUMENTS CONTAINED AT WORK PRINT STATION No. 209. THE POPULATION WAS DETERMINED TO BE 1116 PER 95/5 CRITERIA. A SAMPLE OF 80 DOCUMENTS WERE RANDOMLY SELECTED. THE SAMPLE WAS DETERMINED TO BE ACCEPTABLE WITH 1 REJECT AND ~~ACCEPTABLE~~ WITH 2 REJECTS. DOCUMENTS WERE FOUND TO BE DISCREPANT SEE ATTACHED SHEETS FOR SPECIFIC DETAILS.

W. W. Brown  
INITIATOR

PROGRAM MGR J. E. [Signature]

DATE 3/23/84

DATE 3-23-84

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

CIO determined CPCo's response, provided via CPCo Letter No. CSM-0769 (Attachment 2), to be unacceptable. CPCo's revised response to Item 086, provided via CPCo Transmittal No. CSC-7810 (Attachment 3), has been evaluated and found acceptable. Based on this, CIO considers this NIR closed.

VERIFICATION <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	NEW NIR#	CONCURRENCE
INITIATOR <u>W. W. Brown</u>		PROGRAM MGR <u>[Signature]</u>
DATE <u>6-1-84</u> <small>232-1-84</small>	DATE	DATE <u>6-1-84</u>

REMARKS

1071

DISCREPANCIES @ STATION 204

32261

DOCUMENT NUMBER	REV DWG	REV DOCUMENTS IN REG	DOCUMENTS IN QUESTION	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
1) 22EBB-3-1-1	1	1				NOT ON FIDDLE (5TH LOG SHEET) TAKEN OFF 10-7-83 LEGIBILITY
2) 22EBB-15-3	4	4				LEGIBILITY
3) 22EBB-39-2	5					LEGIBILITY
4) FSK-M-22CB-101-1	1			NOT LISTED		
5) 2EBB-1-1	1	②				HOLD 3870 IS ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY
6) 2EBB-2-2	4	④				IDEN 3881 ATTACHED NOT ON REGISTER 2) LEGIBILITY
7) FSK-M-2EBB-3-1	3	④				1) LEGIBILITY - IDEN 8928
8) 2EBB-3-2	4	⑤				1) FCR C-4139 ATTACHED BUT NOT ON REGISTER 2) IDEN 8978/FCR C-4139 3) LEGIBILITY
9) FSK-M-2EBB-4-1	3	④				1) IDEN 8191 PG #2 LEGIBILITY
10) 2EBB-4-3	3	④				1) HOLD 3809 ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY
11) 2EBB-7-4	1	②				1) IDEN 8299 ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY IDEN 8399 PG #2
12) 2EBB-7-5	0	0				1) FCR 6698 ATTACHED BUT NOT LISTED ON FRONT 2) IDEN 8004 PG #2 LEGIBILITY
13) 2EBB-8-11	2	③				3) FCR M-6690/6698/65485 ATTACHED BUT NOT ON REGISTER. 1) IDEN 8297/HOLD 3757 ATTACHED BUT NOT ON REGISTER 2) IDEN 5297 PG #2 LEGIBILITY
14) 2EBB-10-1	3	④				IDEN 6092 LEGIBILITY
15) 2EBB-7-1	3	3				IDEN NOT WRITTEN ON FRONT OF DIV 9 FCR 11078 NOT WRITTEN ON FRONT OF DIV 9
16) 2EBB-8-5	4	+				1) FCR 6153 ATTACHED BUT NOT ON REGISTER 2) FCR 6183 NOT WRITTEN ON FRONT OF DIV 9
17) 2HCB-160-1	2	2				1) FCR M-13620 NOT LISTED ON FRONT OF DIV 9 2) DIV 9 NOT ON DIV 9
18) 2HCB-82-6	0	0				

## DISCREPANCIES @ STATION

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
19) M604 SH1 19) 2.HCD-555-1	1	1					1) FCN M-3638 ATTACHED NOT ON REGISTER 2) LEGIBILITY ON TOP OF FCN
20) M-604 SH1	5	12					FCR M 9562 / FCN M 12871 ATTACHED BUT NOT ON FRONT OF DRAWING.
21) M-604 SH1	11/F1						1) FCR M-3701 ATTACHED NOT ON REGISTER
22) M604 SH1	11/F2	14					1) FCR 6834 ATTACHED NOT ON REGISTER 2) JOB STAMP NOT ON FRONT DRAWING
23) M604 SH1S	11/F1	14					1) NO "STATUS STAMP" ON FRONT OF DRAWING 2) LEGIBILITY
24) M639-14	11/F1	14					1) ICS 4 NOT LISTED ON FRONT OF DRAWING
25) FSK-DVI-M 601-1	5	5					1) LEGIBILITY 2) IDCN 9382 PAGE 2 STRUCK-OUT
26) FSK-DVI-M 601-B	7	7					IDCN 9311 PAGE 2 ILLEGIBLE
OTHER CONCERNS:							
1) PERSONNEL AT THE WORK PRINT STATION STATED THEY HAD NOT BEEN TRAINED TO WRITE CHANGE PAPER OR FRONT OF DRAWINGS. NO RECORD OF TRAINING EXISTS ON COMPANY RECORDS/PRINTOUT. IT APPEARED PERSONNEL HAD NOT BEEN ADEQUATELY TRAINED.							
2) ACTIONS BY RECEIPT ORGANIZATIONS SUCH AS FILING, LOGGING AND CONTROL OF DOCUMENTS APPEAR TO VARY FROM STATION TO STATION.							



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

May 4, 1984

Mr J E Karr  
Stone and Webster Michigan, Inc  
P O Box 1963  
Midland, Michigan 48640

MIDLAND ENERGY CENTER PROJECT - GW07020  
STONE AND WEBSTER CONSTRUCTION IMPLEMENTATION OVERVIEW  
NONCONFORMANCE IDENTIFICATION REPORT NUMBER 023 DATED 03-23-84  
FILE 24.2 SERIAL 27884 CSM-0769 LWW-12-84

In pursuance of Nonconformance Identification Report number 023, a response is attached to address your concerns delineated in your nonconformance identification report form.

Should you or your staff have any questions on the content, contact Lonnie Worley at extension 7707.

D L Quamme  
Site Manager

CC DDJohnson, MEC  
BHPeck, MEC  
NIReichel, MEC  
TASpellman, MEC  
JBKepler, Regional Administrator, Region III  
JJHarrison, Chief, Midland Section, Region III  
BBurgess, NRC Resident Inspector  
RAWells, MEC

RECEIVED

MAY 14 1984

S & W CAP. 174 CIO  
J.O. NO. 14509.00

Serial 27884

2

Response to Nonconformance Identification Report number 023.

Workprint Station 209 is located with team 9. Distribution is done by Document Control and maintenance of the station is the responsibility of the team receiving the documents. This workprint station will be transferred to a controlled document station and placed under the responsibility of Document Control for maintenance as well as distribution. This program is in line with our corrective action plan submitted in response to MCARR-DAT-1. Workprints that have not completed the conversion/verification process or been distributed as new workprints since lifting of the stop work orders have not been released by MPQAD for Q-work.

The following items address each of the concerns identified:

1. All workprints audited were old workprints that had not gone through the conversion/verification process. None of the drawings audited are being used in work packages. One drawing which was voided, was previously used in a work package.

The new workprint process and copies of the workprint stamp are described in FPD-1.000.

2. Findings 5, 6, 7, 8, 9, 10, 11, 13, 15, 16. In all drawings identified in these findings, the register reflects the new revision status which has been processed. However, none of these drawings (or change paper) had been distributed. The sticks should reflect previously distributed information. This "historical" information is available in system 38 and can be provided to the auditors upon request. This processing cycle information was reviewed in the audit entrance meeting.

Document Control has verified that all drawings and change paper that were noted on the audit report are correct on the sticks according to the current distribution status. No further action is deemed necessary.

3. Findings 21, 22, 23, 24. The auditors reviewed the home office revision information as opposed to the field status which is the revision we construct to. (There are large bore isometrics which are revised in the field to add additional welding information. See procedure FPP-1.00). Therefore, the wrong information was reviewed in the register.

Document Control reviewed all drawings against the field status, noted discrepancies and took corrective action.

These are old workprints and would have been corrected during the conversion/verification process to new workprints.

The legibility of the other drawings/change papers was reviewed again during the conversion/verification process to new workprints.

Serial 27884

3

4. Findings 23, 14, 25, 26. Drawing FSK-DVI-M-604-8, was corrected during the conversion/verification process to new workprints.

The legibility of the other drawings/change paper was reviewed again during the conversion/verification process to new workprints.

5. Findings 4, 12, 17, 19. Change paper has been removed or added to the drawings per pullback instructions. This would have been corrected during the conversion/verification process to new workprints.
6. Findings 18, 20. An FCN was not listed on the front but was attached. This was a clerical error and was corrected.

Document Control is unable to verify the information in the Audit Report on finding 20. Additional information will be required.

7. Other concerns noted on the Audit Report.
  - a. Training - the Construction Assistant responsible for this workprint location, attended training sessions on January 6, 1984 and January 10, 1984. Instructions on posting and other requirements of FPD-1.000 and FPP-3.000 were discussed. Document Control has reviewed requirements with the Construction Assistant.
  - b. Processes followed in workprint stations - These issues will be resolved when the workprint stations are maintained by Document Control as part of the Document Control Corrective Action Plan. Until this conversion is complete, Document Control will review training needs with the Construction Assistants and arrange for training as appropriate.
8. Quality Action Request number RA-00155 dated 03-29-84 was written in response to Nonconformance Identification Report 023 and closed on 05-03-84.

LWW  
5/4/84

**ORIGINAL**



**Consumers  
Power  
Company**

MIDLAND PROJECT  
QUALITY ASSURANCE DEPARTMENT  
QUALITY ACTION REQUEST

6. QAR Number RA-00155	
7. Date Issued 3/29/84	8. Revision 0
9. Page <u>1</u> of <u>4</u>	
10. ASME Related <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

1. Requirement

FPG 7.300 Rev 4  
FPD 3.000 Rev 11  
FPD 1.000 Rev 19

2. Deficiency Stone and Webster NIR-023 identifies the following deficiencies during a CIO evaluation of work print station 209:

- 1) Attachments not referenced or attached
- 2) Work prints and attachments illegible
- 3) Drawing stamp errors have been identified
- 4) Attachment status on work prints does not always reflect System 38 (DDR)

11. Potential 50.55(e)  
 Yes  No

3. QAR Originated by <i>Sta Mc Donald</i>		4. Discipline/Division/Section PAP - Tech Services		5. Response Due Date 4/05/84		12. Date Reported to MPQA Mgr N/A	
13. Action Item No. SO 5721		15. Item Priority 5		17. S/U Code PGMOO		20. QAR Reviewed by <i>P. Doe</i>	
14. Discipline N/A		16. Trend Code ZD-5-0001		18. Resb Code BCPCo - STF-G		21. Date 3-29-84	

22. Cause  
**SEE ATTACHED SHEETS**

23. Proposed Corrective Action  
**SEE ATTACHED SHEETS**

24. Responsible Organization/Person DDC		25. Proposed Completion Date 4-3-84	
--	--	--	--

26. Disposition Concurrence <i>P. Doe</i> 4/5/84 QAR Reviewer Date		VA <i>SN</i> 4/30/84 PQAE (ASME Only) Date	
--	--	---	--

27. Disposition Action Taken  
**SEE ATTACHED SHEETS**  
*J. H. Brown*

28. Method of Disposition Verification <b>SEE ATTACHED FOR CLOSURE JUSTIFICATION.</b>		29. QAR Closed by <i>SN</i> 5/3/84 MPQAD Date	
--	--	---	--

Acceptable     Unacceptable     Superceding QAR

NA *SN* 5/3/84  
PFQCE (ASME Only) Date



Response to NIR 023, dated March 23, 1984, QAR PA-00155, dated March 28, 1984

Subject: Workprint Station 209

Workprint station 209 is located with team 9. Distribution is done by Document Control and maintenance of the station is the responsibility of the team receiving the documents. This workprint station will be transferred to a controlled document station in 4-6 weeks and placed under the responsibility of document control for maintenance as well as distribution. This program is inline with our corrective action plan submitted in response to MCARR-DAT-1. Workprints that have not completed the conversion/verification process or been distributed as new work prints since the lifting of the stop work orders have not been released by MPQAD for Q-work.

Note: For ease of reading, the findings have been grouped by subject. The letter identification noted on the NIR has been retained for cross-referencing.

1. Old Workprints versus New Workprints

All workprints audited were old workprints that had not gone through the conversion/verification process. None of the drawings audited are being used in work packages. One drawing which was voided, was previously used in a work package. These workprints will need to complete the conversion/verification process if they are to be used in the field in work packages. The new workprint process and copies of the workprint stamp are described in FPD-3.000.

2. Discrepancies Between Registers and Information on Sticks (Findings 5, 6, 7, 8, 9, 10, 11, 13, 15, 16)

In all drawings identified in these findings, the register reflects the new revision status which has been processed. However, none of these drawings (or change paper) had been distributed. The sticks should reflect previously distributed information. This "historical" information is available in System 38 and can be provided to the auditors upon request. This processing cycle information was reviewed in the audit entrance meeting.

Document Control has verified that all drawings and change paper that were noted on the audit report are correct on the sticks according to current distribution status. No further action is deemed necessary.

3. Misinterpretation of Register Revision Information (Findings 21, 22, 23, 24)

The auditors reviewed the home office revision information as opposed to the field status which is the revision we construct to. (These are large bore isometrics which are revised in the field to add additional welding information. See procedure FPP-1.000). Therefore the wrong information was reviewed in the register.

Document Control reviewed all drawings against the field status, noted discrepancies and took corrective action as follows:

Finding	(22)-	FCR was removed.
	-	ICS stamp was placed on front of drawing.
Finding	(23)-	Status stamp was placed on front of drawing.
Finding	(24)-	ICS stamp will be noted on front of drawing.

These are old workprints and would have been corrected during the conversion/verification process to new workprints.

4. Legibility (Findings 23, 14, 25, 26)

Drawing FSK-DVI-M-604-8, was illegible. It will be corrected during the conversion/verification process to new workprints. FSK-DVI-M-6048 will be checked at all other stations for legibility by April 6, 1984.

The legibility of the other drawings/change paper is believed to be acceptable. It will be reviewed again during the conversion/verification process to new workprints.

5. Change Paper Not Removed or Added to Drawings (Findings 4, 12, 17, 19)

Change paper had not been removed from or added to the drawings per pull back instruction. This would have been corrected during the conversion/verification process to new workprints.

6. Other Miscellaneous (Findings 18, 20)

An FCN was not listed on the front but was attached. This is a clerical error and will be corrected.

Document Control is unable to verify the information in the audit report on finding 20. Additional information will be required.

7. Other Concerns Noted on the Audit Report

a) Training

The construction assistant responsible for this workprint location attended training sessions on January 6, 1984 and January 10, 1984. Instructions on posting and other requirements of FPD-1.000 and FPP-3.000 were discussed. (Attendance sheets attached). Document Control will again review requirements with the construction assistant.

b) Processes followed In Workprint Stations

These issues will be resolved when the workprint stations are maintained by Document Control as part of the Document Control Corrective Action Plan. Until this conversion is complete, document control will review training needs with the construction assistants and arrange for training as appropriate.

*F.A. Swan*  
4-3-84

STONE AND WEBSTER ENGINEERING CORPORATION  
NONCONFORMANCE IDENTIFICATION REPORT

DATE OF NONCONFORMANCE: 3/22/84

NIR NUMBER 023

IDENTIFICATION/LOCATION OF ITEMS:

WORK PRINT STATION No. 209

DESCRIPTION OF NONCONFORMANCE:

DURING THE ONGOING EVALUATION OF SITE DOCUMENT CONTROL, CTO PERFORMED A SAMPLE INSPECTION OF DOCUMENTS CONTAINED AT WORK PRINT STATION No. 209. THE POPULATION WAS DETERMINED TO BE 1,116 PER 95/5 CRITERIA. A SAMPLE OF 80 DOCUMENTS WERE RANDOMLY SELECTED. THE SAMPLE WAS DETERMINED TO BE ACCEPTABLE WITH 1 REJECT AND ~~ACCEPTABLE~~ WITH 2 REJECTS. DOCUMENTS WERE FOUND TO BE DISCREPANT SEE ATTACHED SHEETS FOR SPECIFIC DETAILS.

W. W. Brown  
INITIATOR

PROGRAM MGR J. Ellis

DATE 3/23/84

DATE 3.23.84

CORRECTIVE ACTION BY:

IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION	SAT	UNSAT	NEW NIR#	CONCURRENCE
INITIATOR			DATE	PROGRAM MGR
DATE				DATE

REMARKS

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
M2EBD-38-1-H2	1	1					NOT ON FDDL (5TH LOG SHOWS TAKEN OFF 10-7-83.
2CCB-15-3	4	4					LEGIBILITY.
2CCB-37-2	5						LEGIBILITY
FSK-M-2CCB-101-1	1				NOT LISTED		
2EBB-1-1	1	(2)					1) HOLD 3870 IS ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY.
2EBB-2-2	<sup>Reg. #119</sup> 4	(4)					1) IDCN 3861 ATTACHED NOT ON REGISTER 2) LEGIBILITY
FSK-M-2EBB-3-1	3	(4)					1) LEGIBILITY - IDCN 8968
2EBB-3-2	4	(5)					1) VFCR C-4139 ATTACHED BUT NOT ON REGISTER 2) IDCN 8978 / FCR C-4139 LEGIBILITY
FSK-M-2EBB-4-1	3	(4)					1) IDCN 8191 PG#2 LEGIBILITY.
2EBB-4-3	3	(4)					1) HOLD 3809 ATTACHED BUT NOT ON REGISTER.
2EBB-7-4	1	(2)					1) IDCN 8299 ATTACHED BUT NOT ON REGISTER. 2) LEGIBILITY IDCN 8299 PG#2
2EBB-7-5	0	0					1) FCR 6698 ATTACHED BUT NOT LISTED ON FRONT 2) IDCN 8004 PG#2 LEGIBILITY
2EBB-8-11	2	(3)					3) FCR M-6690/6698/C5485 ATTACHED BUT NOT ON REGISTER. 1) IDCN 8297 / HOLD 3757 ATTACHED BUT NOT ON REGISTER 2) IDCN 8297 PG#2 LEGIBILITY
2EBB-10-1	3	(4)					IDCN 6092 LEGIBILITY.
2ECB-7-1	3	3				FCR →	IDCN NOT WRITTEN ON FRONT OF DWG. FCR M10146 NOT WRITTEN ON FRONT OF DWG.
2EEB-8-5	4	4					1) FCN 6183 ATTACHED BUT NOT ON REGISTER 2) FCN 6183 NOT WRITTEN ON FRONT OF DWG.
2HBC-160-1	2	2					1) FCN M-13620 NOT LISTED ON FRONT OF DWG. 2) DWG NOT ON DWG.
2HCD-82-6	6	6					

DISCREPANCIES @ STATION

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
2HCD-555-1	1	1					1) FCN M-3638 ATTACHED NOT ON REGISTER 2) LEGIBILITY ON TOP OF FCN
M-604 SH1	5	12					FCN M 9562 / FCN M 12871 ATTACHED BUT NOT ON FRONT OFF DRAWING.
M-604 SH1	11/F1						1) FCN M-3701 ATTACHED NOT ON REGISTER
M604 SH9	11/F2	14					1) FCN 6634 ATTACHED NOT ON REGISTER
M604 SH15	11/F1	14					2) JCS STAMP NOT ON FRONT DRAWING 1) NO "STATUS STRAIP" ON FRONT OF DRAWING 2) LEGIBILITY
M639-14	11/F1	14					1) ICS 4 NOT LISTED ON FRONT OF DRAWING
FSK-DVI-M-604-1	5	5					1) LEGIBILITY 2) IDCN 9382 PAGE 2 STRUCK-OUT
FSK-DVI-M-604-8	7	7					1) IDCN 9311 PAGE 2 ILLEGIBLE
OTHER CONCERNS:							
1) PERSONNEL AT THE WORK PRINT STATION STATED THEY HAD NOT BEEN TRAINED TO WRITE CHANGE PAPER ON FRONT OF DRAWINGS. NO RECORD OF TRAINING EXISTS ON COMPUTER RECORD/PRINTOUT. IT APPEARED PERSONNEL HAD NOT BEEN ADEQUATELY TRAINED.							
2) ACTIONS BY RECEIPT ORGANIZATIONS SUCH AS FILING, LOGGING AND CONTROL OF DOCUMENTS APPEAR TO VARY FROM STATION TO STATION.							

Sigo FD, Please 1-10-84  
Maurice

Terry Rivera	Team 30	Area 119
Mary Casken	Team 30	Area 110
Janis Brown	Team 30	Area 110
Susan Love		Area 10
Val Costanzo		49, 7 + 72B

Jina Stephens	Team 9	Area 43
Calla Parsons	Team 5	Area 43
Patricia Buttery	Team 17	Area 43

1-10-84  
Maurice

Laura Payne	X 7049	Team 18
Cara Goss	X 7447	Area 32, 52, 48A-D
Jan Miller	X 7217	Area 46
Lynn Beckett	X 7240	13, 42, 45, 46, 54
Lucy Singleton	X 7084	Team 19
C. Graham	7218	Team 19
Robert	6210	Exec STAFF (Area 83)
Wimford	7483	S/C
Nancy Clark	7442	48A-48D, 32, 33
Frank Smith	6215	Staff 51 - 51 R3

Cablin Butterf - Area 43 / <sup>TM 7</sup> GRP III - 7682

Jina Stephens Area 43 <sup>TM 9</sup> Staff III - 7373

Lou Katz Area #9 MP3AD-OC 6073

Valerie Laberge Area 27B <sup>STAFF</sup> GRP III 7296

Chris Leese Area 48A, 0, 32, 52 7447

Betty MacIntyre Area 48 B 7360  
D'borah Evans Area 64, 66, 20 7026

Janne Nelson Area 30, 64, 66 7086

Kelley Robinson Area 48C 7626

Gay Cable Jr. Area 48C 7626

Handwritten initials or signature at the bottom right.

DISTRIBUTION FOR QAR # RA-00155

ACTIONEE:           BTFoote, Bechtel-Midland

INFORMATION:       JABauer, Midland  
                      WRBird, P-14-418A  
                      JEBrunner, M-1079  
                      RECameron, Midland  
                      JWCook, P-26-336B  
                      GREagle, AAO-TASK  
                      DEHorn, Midland  
                      LRJessmore, Midland  
                      JPKnight, P-14-416  
                      ODLanham, Midland  
                      BWMarguglio/DJones, JSC-220A  
                      ERMouser, Midland  
                      GEParker, Midland  
                      RCSember, Midland  
                      CMThompson (ALAB - 2)



To LWWorley  
FROM <sup>Rjo</sup> ROutley  
DATE May 2, 1984  
SUBJECT MIDLAND ENERGY CENTER PROJECT -  
QAR RA-00155  
FILE 17.0 SERIAL 27881

**Consumers  
Power  
Company**

INTERNAL  
CORRESPONDENCE

LWW 10-84

CC

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During an overview of Document Control Station (209 team 9) items 1 through 7 were found to be corrected.

Action implemented as a result of QAR RA-00155:

- 1) Attachments not referenced or attached
- 2) Work prints and attachments illegible
- 3) Drawing stamp errors have been identified
- 4) Attachment status on work prints does not always reflect system 38.

Action of Document Control Assurance Group:

- 1) Document Control Assurance Group performed 100% overview of Station 209 of discrepancies identified in the (QAR RA-00155). The discrepancies noted have been corrected. No other discrepancies were found.

Recommend closure of QAR number RA-00155.

STONE AND WEBSTER ENGINEERING CORPORATION  
NONCONFORMANCE IDENTIFICATION REPORT

DATE OF NONCONFORMANCE: 3/22/84 NIR NUMBER 023

IDENTIFICATION/LOCATION OF ITEMS:  
WORK PRINT STATION No. 209

DESCRIPTION OF NONCONFORMANCE:  
DURING THE ONGOING EVALUATION OF SITE DOCUMENT CONTROL, CIO PERFORMED A SAMPLE INSPECTION OF DOCUMENTS CONTAINED AT WORK PRINT STATION No. 209. THE POPULATION WAS DETERMINED TO BE 1116 PER 95/5 CRITERIA. A SAMPLE OF 80 DOCUMENTS WERE RAND-ONLY SELECTED. THE SAMPLE WAS DETERMINED TO BE ACCEPTABLE WITH 1 REJECT AND REJECTABLE WITH 2 REJECTS. DOCUMENTS WERE FOUND TO BE DISCREPANT SEE ATTACHED SHEETS FOR SPECIFIC DETAILS.

<u>MLW Brown</u> INITIATOR	PROGRAM MGR <u>J. Ellis</u>
DATE <u>3/23/84</u>	DATE <u>3-23-84</u>

CORRECTIVE ACTION BY: \_\_\_\_\_  
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION

VERIFICATION	SAT	UNSAT	NEW NIR#	CONCURRENCE
INITIATOR _____			DATE _____	PROGRAM MGR _____
DATE _____			DATE _____	DATE _____

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
ED-1-1	1	1					NOT ON EDDL (STN LOG SHOWS TAKEN OFF 10-7-83)
A-1-1	4	4					LEGIBILITY
A-2-1	5						LEGIBILITY
A-2-2	1				NOT LISTED		
A-3-1	1	(2)					1) HOLD 3810 IS ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY
A-3-2	4 <sup>1/2</sup> 3	(4)					1) IDCN 3881 ATTACHED NOT ON REGISTER 2) LEGIBILITY
A-4-1	3	(4)					1) LEGIBILITY - IDCN 8468
A-4-2	4	(5)					1) FCR C-4139 ATTACHED BUT NOT ON REGISTER 2) IDCN 8478/FCR C-4139 LEGIBILITY
A-5-1	3	(4)					1) IDCN 8191 PG#2 LEGIBILITY
A-5-2	3	(4)					1) HOLD 3807 ATTACHED BUT NOT ON REGISTER
A-5-3	1	(2)					1) IDCN 8299 ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY IDCN 8299 PG#2
A-5-4	0	0					1) FCR 2698 ATTACHED BUT NOT LISTED ON FRONT 2) IDCN 8009 PG#2 LEGIBILITY
A-5-5	2	(3)					3) FCR M-6690/6698/C5485 ATTACHED BUT NOT ON REGISTER 1) IDCN 8297/HOLD 3757 ATTACHED BUT NOT ON REGISTER 2) IDCN 8297 PG#2 LEGIBILITY
A-5-6	3	(4)					1) IDCN 6042 LEGIBILITY
A-5-7	3	3					FCR → IDCN NOT WRITTEN ON FRONT OF DWG.
A-5-8	4	4					FCR M10186 NOT WRITTEN ON FRONT OF DWG.
A-5-9	2	2					1) FCN 6183 ATTACHED BUT NOT ON REGISTER 2) FCN 6183 NOT WRITTEN ON FRONT OF DWG.
A-5-10	6	6					1) FCN M-13620 NOT LISTED ON FRONT OF DWG. 2) DWG NOT ON DWG



CONSUMERS POWER COMPANY  
MIDLAND ENERGY CENTER

Transmittal No: CSC- 7810


Date: May 29, 1984

To: Stone & Webster  
P O Box 1963  
Midland, MI 48640

Attached Is:  Partial Response To  
 Complete Response To  
 For Your Information  
 Other

Description:

Tracked Action Item 086.

Signature: 

cc: JGKepler, NRC Region III w/a  
JHarrison, NRC Region III w/a  
RJCook, NRC Site w/a  
RAWells, MPQAD w/a  
BHPeck, MEC w/a  
NIReichel, MEC w/a  
DDJohnson, MEC w/a  
LWorley, MPQAD w/a  
DEHorn, MEC w/a

RECEIVED

MAY 29 1984

S & W *CR 193* CIO  
J.O. NO. 14509.00

## ITEM/HOLD POINT NOTIFICATION FORM

Sheet 1 of 1

<b>STONE &amp; WEBSTER</b> <b>CONSTRUCTION IMPLEMENTATION</b> <b>OVERVIEW</b> <b>MIDLAND NUCLEAR PLANT J.O. NO. 14509</b>		ITEM NUMBER 086	HOLD POINT NUMBER
		<input checked="" type="checkbox"/> TRACKED ACTION ITEM	
		<input type="checkbox"/> TRACKED INFORMATION ITEM	
		<input type="checkbox"/> TRACKED RECOMMENDATION ITEM	
		<input type="checkbox"/> UNTRACKED ITEM	
		<input type="checkbox"/> HOLD POINT NOTIFICATION	
REFERENCE(S) QAR RA-00155/QAR RA-00157			
<b>CONDITION DETAILS</b> Due to the conflicting responses received from Bechtel and that of MPQAD (See Reference below) concerning NIR 022/NIR 023, we request <u>one</u> reply clarifying our initial findings. Current replies provide inaccurate and conflicting information.			
Reference:    1. Stone & Webster NIR No. 022    2. Stone & Webster NIR No. 023 CPCo Letter #CSM-0768                    CPCo Letter #CSM-0769 QAR RA-00157                                    QAR RA-00155			
<input type="checkbox"/> YES    (PAGE NO'S) <input checked="" type="checkbox"/> NO			
<b>ATTACHMENTS</b>			
DATE RESPONSE REQ'D. 5-24-84	INITIATOR/DATE <i>Rich Scallan 5/22/84</i>	INITIATION APPROVED/DATE <i>J. Han 5-22-84</i>	
<b>RESPONSE (SEE NOTE)</b>  Attachments 1 and A provide a complete response to NIR-022.  Attachments 2 and B provide a complete response to NIR-023.			
<input checked="" type="checkbox"/> YES    (PAGE NO'S)    7 <input type="checkbox"/> NO			
<b>ATTACHMENTS</b> 1, A, 2 & B			
EST. CORRECTIVE ACTION COMPLETION DATE <i>N/A</i>	RESPONDENT <i>[Signature]</i>	TITLE <i>Const Supt</i>	DATE <i>5/29/84</i>
RESPONSE ACCEPTED	DATE	RESPONSE VERIFIED/CLOSED	DATE

Attachment 1  
Page 1 of 2

The following response is to clarify the response to your initial findings in NIR No. 22 as requested in Tracked Action Item 086.

Note: For ease of reading, the findings have been numbered per attachment A and have been grouped by subject.

Workprint station 219 is located with team 19. Distribution was done by Document Control and maintenance of the station was the responsibility of the team receiving the documents at the time of the audit. This workprint station has been transferred to a controlled satellite station (main library) and placed under the responsibility of document control for maintenance as well as distribution. All workprints audited were new workprints (either distributed after the stop work order or reviewed in the conversion/verification process). This program is in line with our corrective action plan submitted in response to MCARR-DAT-1.

1. Missing Documents (findings 1 and 11)

Documents were found to be missing at the workprint station. These have been corrected.

2. In-Process Work Activities (findings 2, 9, 17)

In all cases, distribution (distribution may include new documents or pullbacks) had been made from document control and the distribution date (distribution date of pullbacks are not given on the register but were obtained from a pullback call up from the computer) was noted on the register. In some cases, the attachments in question were pullbacks which had not been received by the station. Therefore, even though the register indicated an update, the station logs and documents had not been updated. The changes had not been posted by the personnel at the workprint station. Therefore, the amendment stamp on the front of the drawing and the logs were not updated accordingly. No unreasonable time delays were found. A procedure to clarify posting requirements (FPD-1.000) was issued on March 23, 1984. These findings would all be in compliance with the new procedural requirements of FPD-1.000 which requires posting be completed within three working days of the distribution date. Construction assistants were reminded that changes must be completed in three working days per new procedural requirements (FPD-1.000). Discrepancies listed have been corrected.

3. Update of Work Station logs and/or Amendment Stamps on front of drawing to reflect conversion/revision (findings 3, 4, 5, 6, 7, 8, 9, 10, 14, 16, 18)

Workprint station logs and/or amendment stamps on front of drawings were not updated to reflect workprints that had been converted/verified. Personnel were reminded of the need to update logs. Workprint maintenance requirements were reviewed with team personnel responsible for maintaining workprints.

This workprint station has been transferred to a controlled satellite document station (main library). Workprint station logs/cards have been standardized. Discrepancies listed have been corrected.

Attachment 1  
Page 2 of 2

4. Conversion/Verification Errors (finding 12, 13)

Change paper had not been removed, therefore, the workprint station log and amendment stamp on the front of these drawings had not been revised. The change paper has been removed from these drawings and the amendment stamp on the front of the drawings and the workprint station log have been corrected.

5. Legibility (findings 19, 20)

Drawings were replaced. Workprint personnel were reminded of the need to check drawing legibility.

6. Miscellaneous (findings 3, 10, 15)

Finding 3 - FRL-1 was incorporated in drawing M-652-1-H130 Revision 1 and is presently not listed on the front of the drawing as indicated on the Audit Report.

Finding 10 - Drawing M-18-176 is revision 1 per the register and the sepia.

Finding 15 - Drawing M-18-370; there are 1064 pages including alpha and numeric pages. This total page count is used for microfilming.



## DISCREPANCIES @ STATION 219

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS	IN STA. LOG
RTBD-572-1	4	4	FCR M10265	YES	YES	No		YES
M652-1-H6	0	0	IDCN 20123	No	YES	YES		YES
M652-1-H130	1	1	FRL 1	No	YES	No		YES
M-652-2	3/FI	3/FI	ICS # 8	No	<del>YES</del> No	<del>YES</del> No		YES
M-652-2-H22	2	2	IDCN 20040	No	No	No		YES
M18-151	5	5	FCR 2291 & 2292	X No	YES	No		YES
M18-152	5	5	FCR 2291 & 2292	No	YES	No		YES
M-652-1	11/FI	11/FI	ICS 3, 8, 13, 14	YES	YES	YES		No
M-652-1-H16	0	0	FCR 3942	No	No	No		YES
" " " "	0	0	IDCN 20133	No	YES	YES		YES
M18-176	7	17	FCN M1295 OR 2195	No	YES AS FCN M1295	No	TRANSPOSED NUMBERS CORRECT ISSUE	YES AS FCN M-2195
M18-175	7	8	—	—	—	—		—
M18-310-3	9	9	M-4139	No	YES	YES	DRAWING HAS NEW WORKPRINT STAMP ATTACHMENT HAS OLD WORKPRINT STAMP	YES
M18-310-4	5	5	E-7551	No	YES	YES	SAME AS ABOVE	YES
M18-348-2	4	4	E-2613	No	YES	No		YES
M18-370	7	7	—	—	—	—	TITLE PAGE SHOWS 1064 AS LAST PAGE. LAST PAGE IS 1031	—
M652-1-H2	0	0	IDCN 20119	<del>YES</del> No	No	No		YES
M652-1-H8	0	0	IDCN 20125	No	YES	YES		YES
M652-1-H18	—	—	FCN-8000	No	YES	YES		YES
M652-1-H-145	2	2	—	—	—	—	AREA'S NOT LEGIBLE	—
M-652-1-H-147	1	1	—	—	—	—	AREA'S NOT LEGIBLE	—

The following response is to clarify the response to your initial findings in NIR No. 23 as requested in Tracked Action Item 086.

Note: For ease of reading, the findings have been numbered per attachment B and have been grouped by subject.

Workprint station 209 is located with team 9. Distribution was done by Document Control and maintenance of the station was the responsibility of the team receiving the documents at the time of the audit. This workprint station has been transferred to a satellite controlled document station (main library) and placed under the responsibility of Document Control for maintenance as well as distribution. This program is in line with our corrective action plan submitted in response to MCARR-DAT-1. Workprints that had not completed the conversion/verification process or been distributed as new workprints since the lifting of the stop work orders had not been released by MPQAD for Q-work.

1. Old Workprints versus New Workprints

"Old" workprints were eliminated by April 14, 1984 in the field. The Document Control Assurance Group has not found any "old" workprints since April 14, 1984 and will continue to monitor. The new workprint process and copies of the workprint stamp are described in FPD-3.000.

2. Discrepancies between Registers and Information on Sticks (findings 5, 6, 7, 8, 9, 10, 11, 13, 15, 16)

In all drawings identified in these findings, the register reflects the new revision status which has been processed. However, none of these drawings (or change paper) had been distributed. The sticks should reflect previously distributed information. This "historical" information is available in System 38 and can be provided to the auditors upon request. This processing cycle information was reviewed in the audit entrance meeting.

Document Control has verified that all drawings and change paper that were noted on the audit report are correct on the sticks according to current distribution status. No further action is deemed necessary.

3. Misinterpretation of Register Revision Information and Miscellaneous Discrepancies (findings 21, 22, 23, 24)

The auditors reviewed the home office revision information as opposed to the field status which is the revision constructed to. (These are large bore isometrics which are revised in the field to add additional welding information. (See procedure FPP-1.000). Therefore the wrong information was reviewed in the register.

Document Control reviewed the drawings against the field status, noted discrepancies and took corrective action as follows:

- Finding (22) - FCR was removed  
- ICS stamp was placed on front of drawing
- Finding (23) - Status stamp was placed on front of drawing
- Finding (24) - ICS stamp was placed on front of drawing

4. Legibility (findings 2, 3, 5, 6, 7, 8, 9, 11, 12, 13, 14, 19, 23, 25, 26)

The Document Control Assurance Group reviewed these drawings at station 209 on May 23, 1984. It was found that four (4) of these drawings have been deleted from distribution for station 209. Nine (9) of these drawings have been superseded by later revisions and one (1) of these drawings was voided. In all cases, the review for legibility of the existing drawings found the drawings adequate for use by construction.

5. Change Paper not removed or added to Drawings (findings 4, 12, 17, 19)

Change paper had not been removed from or added to the drawings per pull back instruction. Discrepancies have been corrected.

6. Other Miscellaneous (findings 18, 20)

An FCN was not listed on the front but was attached. This is a clerical error and has been corrected.

Document Control is unable to verify the information in the audit report on finding 20. Additional information will be required.

7. Other Concerns noted on the Audit Report

a) Training

The construction assistant responsible for this workprint location attended training sessions on January 6, 1984 and January 10, 1984. Instructions on posting and other requirements of FPD-1.000 and FPD-3.000 were discussed. Document Control has also reviewed the requirements with the construction assistant since these training sessions.

b) Processes followed in Workprint Stations

These issues will be resolved when the workprint stations are maintained by Document Control as part of the Document Control Corrective Action Plan. Until this conversion is complete, Document Control will review training needs with the construction assistants and arrange for training as appropriate.

DOCUMENT NUMBER	REV DWG	REV REG	DOCUMENTS IN QUESTION	IN REG	LISTED ON FRONT	ATTCH. TO BACK	OTHER COMMENTS
1) M3EOD-38-1-11	1	1					NOT ON FDDL (5TH LOG SHOWS TAKEN OFF 10-7-83.
2) 2CCB-15-3	4	4					LEGIBILITY.
3) 2CCB-39-2	5						LEGIBILITY
4) FSK-M-2CCB-101-1	1				NOT LISTED		
5) 2EBB-1-1	1	(2)					1) HOLD 3870 IS ATTACHED BUT NOT ON REGISTER 2) LEGIBILITY.
6) 2EBB-2-2	4 <sup>Aug-119</sup> 3	(4)					1) IDCN 3861 ATTACHED NOT ON REGISTER 2) LEGIBILITY.
7) FSK-M-2EBB-3-1	3	(4)					1) LEGIBILITY - IDCN 8968
8) 2EBB-3-2	4	(5)					1) FCR C-4139 ATTACHED BUT NOT ON REGISTER 2) IDCN 8978/FCR C-4139 LEGIBILITY
9) FSK-M-2EBB-4-1	3	(4)					1) IDCN 8191 PG#2 LEGIBILITY.
10) 2EBB-4-3	3	(4)					1) HOLD 3809 ATTACHED BUT NOT ON REGISTER.
11) 2EBB-7-4	1	(2)					1) IDCN 8299 ATTACHED BUT NOT ON REGISTER. 2) LEGIBILITY IDCN 8299 PG#2
12) 2EBB-7-5	0	0					1) FCR 6698 ATTACHED BUT NOT LISTED ON FRONT 2) IDCN 8004 PG#2 LEGIBILITY 3) FCR M-6690/6698/C5485 ATTACHED BUT NOT ON REGISTER.
13) 2EBB-8-11	2	(3)					1) IDCN 8297/HOLD 3757 ATTACHED BUT NOT ON REGISTER 2) IDCN 8297 PG#2 LEGIBILITY
14) 2EBB-10-1	3	(4)					IDCN 6092 LEGIBILITY.
15) 2ECB-7-1	3	3				FCR →	IDCN NOT WRITTEN ON FRONT OF DWG. FCR M10146 NOT WRITTEN ON FRONT OF DWG.
16) 2ECB-8-5	4	4					1) FCN 6183 ATTACHED BUT NOT ON REGISTER
17) 2HAC-160-1	2	2					2) FCN 6183 NOT WRITTEN ON FRONT OF DWG.
18) 2HCD-82-6	6	6					1) FCN M-13620 NOT LISTED ON FRONT OF DWG. 2) DWG NOT ON DWG.

