

STATE OF MICHIGAN
DEPARTMENT OF ATTORNEY GENERAL



STANLEY D. STEINBORN
Chief Assistant Attorney General

FRANK J. KELLEY
ATTORNEY GENERAL

LANSING
48913

PRINCIPAL STAFF	
A	ka
D/RA	
A/RA	
RC	
PAO	cpigt3
PCA	
	File ka

January 27, 1984

Mr. J. Harrison
Office of Special Cases
Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glenn Ellen, IL 60137

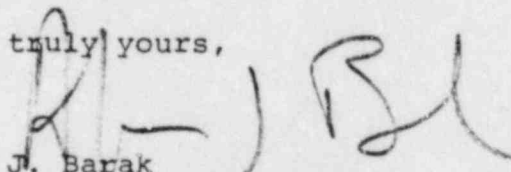
RE: Stone & Webster Meetings on Midland
Docket Nos. 50-329-83-25
50-330-83-26

Dear Mr. Harrison:

I have received the three compilations of notes from Stone & Webster Meetings of October 13, 1983, November 10, 1983, and December 8, 1983. I look forward to receiving additional meeting notes.

Thank you for your courtesy in responding to my request.

Very truly yours,


Alan J. Barak
Assistant Attorney General
Special Litigation Division

AJB/maf

cc: Mr. Dale Bridenbaugh

8406120282 840517
PDR FOIA
RICE84-96 PDR

JAN 30 1984





STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

PRINCIPAL STAFF	
RA*	FCRP
D/PA	DE
A/RA	EMSP
RC	LEA
PAO	SCS ✓
SGA	AL
ENF	FI

January 26, 1984

orig + 3

Mr. D. L. Quamme
 Consumers Power Company
 Midland Nuclear Plant
 3500 E. Miller Road
 Midland, Michigan 48640

Subject: Docket No. 50-329/330
 Midland Plant - Units 1 and 2
 Overview of the Construction
 Completion Program
 Serial No. SWMCP-021

Re: FCR/FCN Review (Electrical)

CIO has completed a review of subject Electrical FCRs/FCNs identified as Phase I and Phase II of the program for resolving stop work orders and considers that the program is adequate and is being correctly implemented. This releases CIO Hold Point Number 011 for the electrical discipline.

During the review, six discrepant conditions were noted as reported on NIR Number 013.

The discrepant conditions noted were not significant enough to reject the total population of Electrical FCRs/FCNs but will require a response indicating the corrective/preventive actions.

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

FB/nl

cc:
 JJKeppler, US NRC Glen Ellyn, IL
 JHarrison, US NRC Glen Ellyn, IL
 RJCook, UR NRC Midland (site)
 RAWells, CPCo Midland (site)
 RBKelly, S&W
 APAmoruso, S&W

8402060290

FEB 1 1984

STONE) WEBSTER MICHIGAN, INC.
 P.O. BOX 1983, MIDLAND, MICHIGAN 48640

DATE	1-26-84
A. Q. NO.	14509
P. Q. NO.	N/A
LTR. NO.	SWOC 84-014
REF.	N/A

VIA

TO D. L. QUAMME, CPCo Midland (site)

DEAR SIRs:

THE FOLLOWING ARE ATTACHED: SENT SEPARATELY:

<input 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 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 AS DEFINED IN SPECIFICATION	<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"/> OPEN			<input checked="" type="checkbox"/> ACTION

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 DETAILS

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 open CIO NIR(s) is (are) forwarded for your action/information

013 _____

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

cc: JGKepler, US NRC
 JHarrison, US NRC
 RJCook, US NRC
 RAWells, CPCo
 CIO Site File

STONE AND WEBSTER ENGINEERING CORPORATION
NONCONFORMANCE IDENTIFICATION REPORT

DATE OF NONCONFORMANCE: 1-25-84		NIR NUMBER 013
IDENTIFICATION/LOCATION OF ITEMS: Review of Electrical FCRs and FCNs/Document Control		
DESCRIPTION OF NONCONFORMANCE: During the review of Electrical FCR/FCN there were eight discrepancies found that are not in accordance with FID 2.400, Rev. 3.		
<ol style="list-style-type: none"> 1) FCN E-997 Sheet No. of affected drawing in Block "C" is missing (Attachment 1). 2) FCN E-1052 & E-1657 Block "A" addressed one drawing. Resolution Sheet addresses more than one drawing (Attachments 2 & 3). 3) FCN E-1647 & E-2003 Block "A" was left blank (Attachments 4 & 5). 4) FCN E-1951 Corrections were made on Resolution Sheet without MPQAD's concurrence (Attachment 6). 5) FCN E-7689 Block "A" plus Block "B" did not equal Block "C" (Attachment 7). 6) FCN E-8810 Reviewed By Block on Resolution Sheet was left blank (Attachment 8). 		
<u>Rich Scallan</u> INITIATOR DATE <u>1-25-84</u>	PROGRAM MGR <u>[Signature]</u> DATE <u>1-26-84</u>	
CORRECTIVE ACTION BY: <u>MPQAD</u>		
IDENTIFY ORGANIZATION TAKING CORRECTIVE ACTION		
VERIFICATION SAT UNSAT INITIATOR _____ DATE _____	NEW NIR# DATE _____	CONCURRENCE PROGRAM MGR _____ DATE _____
REMARKS		



FIELD CHANGE NOTICE

HC
7-30-79

PAGE 1 OF 1
FCN NO. E No 99

JOB NO. 7220	DRAWING OR SPECIFICATION NO. E-42(Q)	SHEET NO. 939A	REV SYM. 41	Q ITEM YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	TITLE OF DWG CONDUIT TRAY NOTES, SYMBOLS & DETAILS
-----------------	---	-------------------	----------------	--	--

CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE D.M. HENRICKS 7/30/79	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE <i>[Signature]</i> 7-31-79	DISPOSITION FOR REVISION DATE
---	---	---	--	----------------------------------

REASON FOR CHANGE NO PLACE WITHIN 10'-0" TO ATTACH TRANSVERSE BRACE

NIR 013
ATTACHMENT 1
SHEET 1 of 1

EXISTING CONDITION TYPE 24A REQUIRES P1001 OR P5501 AS TRANSVERSE BRACE & MAX LENGTH 10'-0" LONG

DESCRIPTION OF CHANGE

USE P1001A3 AS TRANSVERSE BRACE APPROX. 11'-0" LONG. ALLOW $\pm 5^\circ$ VERTICAL TOLERANCE ATTACH 1 1/2" ϕ CONDUIT 2AG086 TO TRANSVERSE BRACE WITHIN 4" OF ϕ CONDUIT AND EDGE OF TUBE STEEL. SUPPORT LOCATED APPROX 305" AT ABOUT EL. 624'-0" IN REACTOR BLDG. UNIT 2.

RESIDENT ENGRS COMMENT HC

OTHER DWGS OR SPECS AFFECTED	CIVIL	ELECTRICAL	INSTRUMENTATION	MECHANICAL	PIPING	WELDING OR OTHERS
	N/A	N/A	N/A	N/A	N/A	N/A
CHECKED BY FIELD LDE	N/A	<i>[Signature]</i>	N/A	N/A	N/A	N/A
CHECKED BY PE GR SUPV		<i>[Signature]</i>				

APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
[Signature] 8-31-79

REMARKS This will be implemented with E-42(Q) as support
No. 1330. H. GULBAYEV 8-14-79
[Signature] 8-28-79

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 2
SHEET 1 of 2

AREA BOP

FCN E-1052

PROBLEM: DOCUMENTS WERE INDICATED IN THE PRIMARY DWG OR "SPEC" BOX OR THE "OTHER DWGS OR SPEC'S AFFECTED" BOX AND WERE INDICATED BY PROJECT ENGINEERING AS NOT REQUIRING INCORPORATION OR REVISION

POTENTIAL IMPACT STATEMENT (YES NO) NO POTENTIAL FOR MISINSTALLATION EXISTS. THE FCN WAS ATTACHED TO MORE DWG(S) THAN REQUIRED PER THE REMARKS SECTION THE FCN WAS FOR A UNIQUE INSTALLATION ONLY AS IDENTIFIED IN THE BODY OF THE FCN

CORRECTIVE ACTION:

NONE
 CORRECT DISTRIBUTION

INITIATE CORRECT FCN

PLACE FCN ON HOLD

WRITE NCR

INVESTIGATE FURTHER

REMOVE FCN FROM THE FOLLOWING DRAWING DISTRIBUTION LIST E-92(W)

FCN HAS BEEN RETIRED FROM E-92(W) REF. FCN

This is a one time deviation

RE CONTACT W. J. ... 11/14/83

REPAIRED BY: Stan ... 11/15/83 FE
DATE

CORRECTIVE ACTION COMPLETE
DATE

REVIEWED BY: ... 11/14/83 LEAD
DATE

MPQAD Accept of Proposed C/A
By George ... 11-16-83

VERIFIED BY



FIELD CHANGE NOTICE

JQC
8-1-79

PAGE 1 OF 1

FCN NO.

E No 105

JOB NO. 7220	DRAWING NO. E-42 (Q)	SHEET NO. —	REV SYM. 41	Q ITEM YES NO <input checked="" type="checkbox"/> <input type="checkbox"/>	TITLE OF DWG CONDUIT & TRAY NOTES, SYMBOLS & DETAILS
CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE Joe Clinton 8/1/79	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE L. Dill 8-3-79		DISPOSITION BY DATE

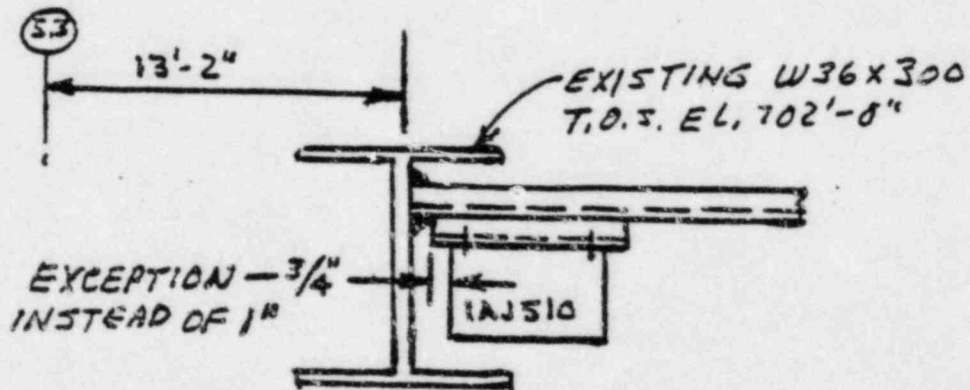
REASON FOR CHANGE
SPACE LIMITATIONS

NIR 013
ATTACHMENT 2
SHEET 2 of 2

EXISTING CONDITION
BOX 1AJS10 REQUIRES A SUPPORT

RETIRED
DOCUMENT REVISION
NOT REQUIRED
Signed *[Signature]* Date 8-21-79

DESCRIPTION OF CHANGE
TYPE 22 JUNCTION BOX SUPPORT WITH
EXCEPTION AS SHOWN



EL. LOOKING NORTH, 2 FEET
NORTH OF K LINE

OTHER DWGS OR SPECS AFFECTED	CIVIL N/A	ELECTRICAL N/A	INSTRUMENTATION N/A	MECHANICAL N/A	PIPING N/A	WELDING OR OTHERS N/A
CHECKED BY FIELD LDE	N/A	BAM	N/A	N/A	N/A	N/A
CHECKED BY PE GR SUPV	A. Resedee					INCL

FCR

APPROVED YES NO

PROJECT ENGINEER SIGNATURES AND DATE
[Signature] 10/9/79

REMARKS
NO DRAWINGS INCORPORATION REQUIRED

[Signature] 9-13-79

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 3
SHEET 1 of 2

AREA BOP

FCN E-1657

PROBLEM: DOCUMENTS WERE INDICATED IN THE PRIMARY DWG OR "SPEC" BOX OR THE "OTHER DWGS OR SPEC'S AFFECTED" BOX AND WERE INDICATED BY PROJECT ENGINEERING AS NOT REQUIRING INCORPORATION OR REVISION

POTENTIAL IMPACT STATEMENT (YES/NO) (YES) NO POTENTIAL FOR MISINSTALLATION EXISTS. THE FCN WAS ATTACHED TO MORE DWG(S) THAN REQUIRED PER THE REMARKS SECTION. THE FCN WAS FOR A UNIQUE INSTALLATION ONLY AS IDENTIFIED IN THE BODY OF THE FCN

CORRECTIVE ACTION:

- NONE
- CORRECT DISTRIBUTION
- INITIATE CORRECT FCN
- PLACE FCN ON HOLD
- WRITE NCR
- INVESTIGATE FURTHER

REMOVE FCN FROM THE FOLLOWING DRAWING DISTRIBUTION LIST

E-644(D)

* CLARIFICATION ONLY - THIS IS A ONE TIME DEVIATION

PH 12/10/83

APW 12/10/83

RE CONTACT P.R. Kelley 11/14/83

MPQAD Accept
of Proposed C/A

By Bobby Houston Date 1-25-84

PREPARED BY: Steve Perry 11/13/83 FE
DATE

CORRECTIVE ACTION COMPLETE

REVIEWED BY: W. L. ... 11/14/83 LEAD
DATE

W DATE

MPQAD Accept
of Proposed C/A

By Colby D. ...
Date 12/15/83

VERIFIED BY



FIELD CHANGE NOTICE

J.A.A.
12-20-79

PAGE 1 OF 1
FCN NO. E No 165

JOB NO. 7220	DRAWING OR SPECIFICATION NO. E-644 (Q)	SHEET NO. 2	REV SYM. 4	Q ITEM YES NO <input checked="" type="checkbox"/> <input type="checkbox"/>	TITLE OF DWG OR SPEC CONDUIT AND TRAY PLAN CONTROL PLAN EL. 654'-0"
-----------------	---	----------------	---------------	---	---

CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE P.P. WILLEMS 12/19/79	CHANGE APPROVED YES NO <input checked="" type="checkbox"/> <input type="checkbox"/>	PFE SIGNATURE AND DATE <i>[Signature]</i> 12-26-79	DISPOSITION OF FCN REQUIRED BY DATE N/A
--	---	--	---	--

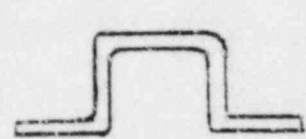
REASON FOR CHANGE
DRAWING CALLS FOR A FITTING THAT IS NOT CARRIED IN THE WAREHOUSE.

NIR 013 ATTACHMENT SHEET 2 of 2

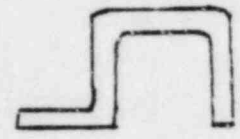
EXISTING CONDITION
ON DCN NO. 11 A PS 677 IS CALLED UP WHICH IS NOT STOCKED IN THE WAREHOUSE.

REF. RAW #126

DESCRIPTION OF CHANGE
MANUFACTURE A PS-~~6~~⁶77 BY CUTTING OFF A LEG FROM A PS-613.



PS-613



PS-~~6~~⁶77

CONTROLLED
NOT TO BE USED FOR CONSTRUCTION

OTHER DWGS OR SPECS AFFECTED	CIVIL N/A	ELECTRICAL N/A	INSTRUMENTATION N/A	MECHANICAL N/A	PIPING N/A	WELDING OR OTHERS N/A
CHECKED BY FIELD LDE	N/A	<i>[Signature]</i>	N/A	N/A	N/A	N/A
CHECKED BY PE GR SUPV	<i>[Signature]</i>					

APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
[Signature] 1/7/80

REMARKS
CHANGE APPROVED - NO DRWG REVISION REQUIRED
180 1-3-80
J.A.A. 1-4-80



FIELD CHANGE NOTICE

PAGE 1 OF 1

FCN NO.

E No 164

JOB NO. 7220	DRAWING OR SPECIFICATION NO. E-900	SHEET NO. —	REV SYM. 38	Q ITEM YES NO <input type="checkbox"/> <input type="checkbox"/>	TITLE OF DWG OR SPEC Connection List
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CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE D. Clayton Gene Quayle 12/11/77	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE W. T. Kelly 12-13-77	DISPOSITION FOR REQUIRE BY DATE ASB
---	--	---	--	--

REASON FOR CHANGE
Terminal block provided in motor operated valve 1M0190 is not compatible with field wiring change as shown on connection list
NIR 013

EXISTING CONDITION
Terminal block provided in 1M01903 does not have terminals P1, P2, P3, K1, K2
The connection list wiring change says to disconnect wires from these non-existing terminals and rewire them to the rotor terminals.
ATTACHMENT 4 SHEET 1 of 1

DESCRIPTION OF CHANGE
Equip 1M01903

Delete Field Wiring Change 1AB5509

Revise termination information for cable

1AB5509 B	color	term. No	wire No.
	BK	TB-X	1X1
	WH	Rotor 3 - TM-12	21
	RD	Rotor 2 - TM-7	3R
	GR	SPARE	4SP
	OR	Rotor 1 TM-3	5G
	BL	Rotor 2 TM-8	6
	W-BK	Rotor 3 TM-9	7
	R-BK	SPARE	8SP
	G-BK	Rotor 1 TM-4	9

OTHER DWGS OR SPECS AFFECTED	CIVIL	ELECTRICAL	INSTRUMENTATION	MECHANICAL	PIPING	WELDING OR OTHERS
	N/A	N/A	N/A	N/A	N/A	N/A
CHECKED BY FIELD LDE	N/A	RIS Bm	N/A	N/A	N/A	N/A
CHECKED BY PE GR SUPV		<i>[Signature]</i>				

APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
P. G. [Signature] 12/21/77

REMARKS DWG # E-900 WILL BE REVISED TO SHOW THE CHANGE

[Handwritten notes]

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 5
SHEET 1 of 3

SH. 2 of 2

AREA BOP

FCN E2003

PROBLEM: SEE SHEET 1

CLARIFICATION OF CORRECTIVE ACTION STATEMENT IS REQUIRED TO SATISFY D.C.C. PROGRAM TO CORRECT DISTRIBUTION AND COMPASS REGISTER.

POTENTIAL IMPACT STATEMENT (R YES NO) SEE SHEET 1

CORRECTIVE ACTION:

NONE

CORRECT DISTRIBUTION
(see sheet 1)

INITIATE CORRECT FCN

PLACE FCN ON HOLD

WRITE NCR

INVESTIGATE FURTHER

PER A TITLE BLOCK REVIEW, FCN HAS BEEN INCORPORATED INTO E20 SH.31 Rev. 16
4/8/80

RE CONTACT A. ... 11/29/83

PREPARED BY: A. ... DATE 11/29/83 FE

CORRECTIVE ACTION COMPLETE

REVIEWED BY: Mark E. ... DATE 11/28/83 LEAD

DATE

MPQAD Account of Foreign C/A By R.H.H. NON-Q 3 Date 1-25-84

M.H. VERIFIED BY

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 5
SHEET 2 of 3

SH. 10F2

AREA BOP

FCN E-2003

PROBLEM: THE "REMARKS" SECTION, DOES NOT IDENTIFY ALL OF THE DRAWINGS LISTED IN THE "PRIMARY DWG / SPEC" AND "OTHER AFFECTED DWG / SPEC" BOXES AS REQUIRING INCORPORATION

POTENTIAL IMPACT STATEMENT (Q YES NO) THE POTENTIAL IMPACT IS THAT THE FCN WAS ATTACHED TO MORE DWG(S) THAN REQUIRED PER THE REMARKS SECTION. DRAWING LISTED IN "OTHER AFFECTED DWG'S OR SPEC'S" BLOCK WAS ONLY LISTED FOR REFERENCE. NO INCORPORATION REQUIRED.

CORRECTIVE ACTION:

NONE

CORRECT DISTRIBUTION

INITIATE CORRECT FCN

PLACE FCN ON HOLD

WRITE NCR

INVESTIGATE FURTHER

FCN HAS BEEN MISAPPLIED TO THE FOLLOWING DRAWING.

E-861-2

REMOVE FROM DISTRIBUTION.

ATTACHMENT IS NOT APPLICABLE

RM 11/28/83

AW 11/29/83

RE CONTACT AW 11/10/83

PREPARED BY: [Signature] DATE 11/9/83

CORRECTIVE ACTION COMPLETE

REVIEWED BY: [Signature] DATE 11/9/83 LEAD

gm DATE

[Signature] 11/14/83

MPQAD Accept of Proposed CIA

By [Signature] NON-Q

Date 1-25-84

VERIFIED BY



DC
3/10/80

FIELD CHANGE NOTICE

PAGE 1 OF 1
FCN NO. ENO 200

JOB NO. 7220	DRAWING OR SPECIFICATION NO. E20	SHEET NO.	REV SYM. 15	Q ITEM YES NO <input type="checkbox"/> <input type="checkbox"/>	TITLE OF DWG OR SPEC M.C.C Schedule UNIT-2
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CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE VERNON GARRAWAY 3/11/80 G. PFALTZ	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE <i>[Signature]</i> 3/10-80	NIR 013 ATTACHMENT SHEET 3 of
---	--	---	--	-------------------------------

REASON FOR CHANGE TO REVISE DWG E20 SH 31 REV 7-TO SHOW THE CORRECT EQUIPMENT NUMBER & LOAD DESCRIPTION AT CUBICLE 2B5712 LOCATION 3B OF M.C.C 2B57 AS SCHEMATIC DWG E482 SH 6 REV 2

EXISTING CONDITION DWG E20 SH 31 REV 7-DETAILS THE LOAD DESCRIPTION & EQUIPMENT NUMBER AT CUBICLE 2B5712-LOCATION 3-B OF M.C.C 2B57 INCORRECTLY.
NOT IN ACCORDANCE WITH DWG E482-SH 6 REV 2

DESCRIPTION OF CHANGE
REVISE DWG E20 SH 31 REV 7-cubicle 2B5712-LOCATION 3-B OF M.C.C 2B57 TO SHOW LOAD DESCRIPTION & EQUIPMENT NUMBER AS IN SCHEMATIC DWG E482 SH 6 REV 2 :-

UNCONTROLLED
NOT TO BE USED FOR CONSTRUCTION
AAO CONTACT: J. R. WILLIS
" Turbine BLDg Chiller
2VM-66c oil Pump
2VP-66c "

OTHER DWGS OR SPECS AFFECTED	CIVIL N/A	ELECTRICAL E861-2	INSTRUMENTATION N/A	MECHANICAL N/A	PIPING N/A	WELDING OR OTHERS N/A
CHECKED BY FIELD LDE	A	Bm	A	A	A	A
CHECKED BY PE GR SUPV	A	Thom Apple	A	A	A	A

APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
R. Green for L. G. G. 3/12/80

REMARKS DWG E20 WILL BE REVISED TO SHOW THE CHANGE

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 6
SHEET 1 of 1

SH 2 OF 4

AREA BOP FCN E 1951

PROBLEM: THE "REMARKS" SECTION, DOES NOT IDENTIFY ALL OF THE DRAWINGS LISTED IN THE "PRIMARY DWG./SPEC" AND "OTHER AFFECTED DWG./SPEC" BOXES AS REQUIRING INCORPORATION

POTENTIAL IMPACT STATEMENT (Q YES NO) NO POTENTIAL FOR MISINSTALLATION BECAUSE THE FCN ~~COULD HAVE BEEN~~ ^{WAS} ~~ATTACHED TO~~ ^{MADE 11/9/83} MORE DRAWINGS THAN REQUIRED. PROJECT ENR'S INCORRECTLY OMITTED E-900 & E-7-140-5 FROM THE REMARKS COLUMN. MA 11/9/83

CORRECTIVE ACTION:

- NONE
- CORRECT DISTRIBUTION
- INITIATE CORRECT FCN
- PLACE FCN ON HOLD
- WRITE NCR
- INVESTIGATE FURTHER

FCN SHOULD HAVE BEEN LISTED AS REQUIRING INCORPORATION INTO E900 & E-7-140-5. ~~DRAWINGS HAS BEEN REMOVED~~ ^{HAVE} ~~PER NOTATION ON REVERSE SIDE OF FCN, THE FCN HAS BEEN REMOVED.~~ ^{RETIRED 11/9/83}

RE CONTACT 11/9/83

FD
12/8/83
SEE SHEET 1

PREPARED BY: [Signature] DATE 11/9/83 FE

CORRECTIVE ACTION COMPLETE

REVIEWED BY: [Signature] DATE 11/9/83 LEAD

DATE

APQAD Accept
of Proposed C/A

By George Smith Date 11-12-83

VERIFIED BY

11/10

FIELD CHANGE NOTICE

PAGE 1 OF 1

FCN NO. **E No 7689**

S/JS SYS ICKA/2CKA

JOB NO. 7220	DRAWING OR SPECIFICATION NO. E-37.	SHEET NO. N/A	REV SYM. 56	Q ITEM YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	TITLE OF DWG OR SPEC Electrical CIRCUIT SCHEDULE
CHANGE PROPOSED FCN <input checked="" type="checkbox"/>	PREPARED BY AND DATE Yury Linetsky 7/26/82	CHANGE APPROVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	PFE SIGNATURE AND DATE <i>[Signature]</i> 7/30/82		NIR 013 ATTACHMENT SHEET 1 of

REASON FOR CHANGE
 Electrical scheme E-131 SH. 33 RW. 4 note 3 calls for cables **ING0127^{BV}_{AZ}** & **2NG0127^{BV}_{AZ}**

EXISTING CONDITION
 cables involved:
 ONPS071 BD **ING0127^{BV}_{AZ}**
 ONPS071 AU **2NG0127^{BV}_{AZ}**

DESCRIPTION OF CHANGE
 two cables (ONPS071 BD, ONPS071 AU) are being transferred to E-131 & retaged to **ING0127^{BV}_{AZ}**, **2NG0127^{BV}_{AZ}** respectively.

RESIDENT ENGINEER COMMENT

RESIDENT ENGINEER COMMENT

REFERENCE IDCN # 2557 AGAINST E-490 ^{BNA}
 REFERENCE IDCN # 3065 AGAINST E-131 ^{BNA}
 ANN ARBOR CONTACT: KHALID KHAN

OTHER DWGS OR SPECS AFFECTED	CIVIL	ELECTRICAL	INSTRUMENTATION	MECHANICAL	PIPING	WELDING OR OTHERS
	N/A	N/A	N/A	N/A	N/A	N/A
CHECKED BY FIELD LDE	S	<i>[Signature]</i>	S	S	S	S
CHECKED BY PE GR SUPV		<i>[Signature]</i>				

FCR APPROVED YES NO PROJECT ENGINEER SIGNATURE AND DATE
[Signature] **9/10/82**
 for LPA Center

REMARKS **FCN APPROVED AS NOTED. CHANGES WILL BE INCORPORATED INTO E-37 JS 8-6-82**

FCN RESOLUTION SHEET

NIR 013
ATTACHMENT 8
SHEET 1 of 1

SH. 1 OF 2

AREA BOP

FCN E-8810

PROBLEM: DRAWINGS LISTED IN THE PRIMARY DRAWING OR SPECIFICATION BLOCK, OTHER DRAWINGS OR SPECIFICATIONS AFFECTED BLOCK AND DRAWINGS LISTED IN THE REMARKS BLOCK AS REQUIRING INCORPORATION DO NOT AGREE

POTENTIAL IMPACT STATEMENT (YES/NO) (YES) NO POTENTIAL FOR MISINSTALLATION AS "Q" WORK IS ON HOLD. THE DRAWING NOT SHOWN IN THE OTHER DRAWINGS OR SPECIFICATIONS BLOCK IS LISTED BUT NOT TIED DIRECTLY TO THE BLOCK. PER REVIEW OF FIELD DOCUMENT CONTROL REGISTER, THE FCN WAS PICKED UP AS AN ATTACHMENT TO E-6900

CORRECTIVE ACTION:

NONE

CORRECT DISTRIBUTION

INITIATE CORRECT FCN

PLACE FCN ON HOLD

WRITE NCR

INVESTIGATE FURTHER

SH. 1 C.

FCN E8810 HAS BEEN INCORPORATED INTO DOCUMENT OUTSTANDING E6900(S) SH. 1 C.
JDJM 12/16/83 PER TITLE BLOCK
JDJM 1/7/84 REVIEW
REV 7 11/1/83 JDJM 1/23/84

RE CONTACT P. Kelly 11/1/83

Robert Guisada 1/25/84

PREPARED BY Robert M. Deha 11/10/83 FE

DATE

CORRECTIVE ACTION COMPLETE

REVIEWED BY: Robert M. Deha 1/25/84 LEAD

DATE

BB

DATE

MPQAD Accept Reviewed
of Proposed C/A By R. Guisada Date 11-13-83

VERIFIED BY