SPECIAL CONSIDERATION SHEET

This sheet has been inserted to alert the viewer to the following:

☐ Because of its unscanable quality or nature,

_____

is not contained in this file but may be located:

☐ The original of this document contains colored pages. The hardcopy may be located:

☐ In the Nuclear Records Management Vault

_____

☒ Pages which follow this sheet may be of marginal scanable quality. Hardcopy may be viewed at the following Nuclear Records Management Vault location:

_____

RFM/MOD

90-0012

IS IN THE

V O I D

PROCESS

Contact: J. Whitson at ext. 7515

BI 935-0180

Pg 1 of ~~40~~ pg 41

DMN[illegible] DAVIS [illegible] SYSTEM [illegible]

[illegible] DETAIL

DOC DOC

TYPE NUMBER STATUS SUBSYS [illegible] GROUP INDIV

MOD [illegible] RESP DP GLTILL

ORIG DED RNBAIR

SUMMARY: *VOID*ORIG ACID DEGRA[illegible] REC MGT DOC:

FUNC ACCT #:

DESCRIPTION:

INSTALL MULTIPLE ACCESS PORTS WITH CLOSURE PLATES IN THE CLOSURE HEAD TO PERMIT CLEANING AND INSPECTION OF THE REACTOR HEAD.

COMMENTS:

WAS SR

********** THIS MOD IS VOID **********

CURRENT STEP

DESCRIPTION: NRM-CLOSEOUT EST COMP DATE: [illegible]

INPUT: [illegible] UPDATE: [illegible] DUE: [illegible] CLOSE: [illegible]

PF1-ADD PF2-UPDATE PF3-BROWSE PF4-RETRIEVE DOC: [illegible]

PF5-RETURN REL PF7-PRIOR DOC PF8-NEXT DOC PF9-R/S/T S PF11-MENU

RECORD HAS BEEN SUCCESSFULLY PROCESSED

DOCUMENT VOID REQUEST

ED 8052-4

TO

DESIGN PROCESS - MAIL STOP 3245

SECTION 1 - INITIATION

HAS FIELD IMPLEMENTATION BEEN INITIATED FOR THIS DOCUMENT?

☐ YES ☒ NO IF THE ANSWER IS YES, THIS DOCUMENT VOID REQUEST FORM CAN NOT BE USED

DOCUMENT TO BE VOIDED	INITIATING DOCUMENT
MOD 90-0012	RFA-90-0510

JUSTIFICATION FOR VOIDING

MODIFICATION NO LONGER REQUIRED

☐ CONTINUED

INITIATING DOCUMENT REDISPOSITION REQUIRED?

☐ YES - PROVIDE PROPOSED DISPOSITION ☒ NO - PROVIDE WRITTEN JUSTIFICATION ☐ N/A

THIS MODIFICATION WAS INITIATED TO ALLOW EASIER ACCESS FOR INSPECTION OF CONTROL ROD DRIVE MECHANISM (CRDM) FLANGES AND FOR CLEANING OF THE REACTOR VESSEL HEAD. CURRENT INSPECTION TECHNIQUES USING HIGH POWERED CAMERAS PRECLUDE THE NEED FOR INSPECTION PORTS, ADDITIONALLY, CLEANING OF THE REACTOR VESSEL HEAD DURING LAST 3 OUTAGES WAS COMPLETED SUCCESSFULLY WITHOUT REQUIRING ACCESS PORTS.

☐ CONTINUED

REQUESTER (Print Name)	SIGNATURE	MAIL STOP	DATE
THEO S SWIM	Theo S Swim	3210	9/10/92

SECTION 2 - VOID APPROVALS

THE ABOVE NAMED DOCUMENT IS ATTACHED TO THIS REQUEST AND IS BEING FORWARDED FOR YOUR REVIEW AND VOID APPROVAL. IF YOU CONCUR WITH THIS VOID REQUEST, SIGN AND DATE THIS FORM AND RETURN IT TO DESIGN PROCESS. IF NOT, PROVIDE COMMENTS ON A DOCUMENT REVIEW SHEET (ED 6864) AND RETURN THEM WITH THE VOID REQUEST TO DESIGN PROCESS AT THE ABOVE LISTED MAIL STOP.

RESPONSIBLE ENGINEER: T Swim	DATE: 9/15/93	N/A	N/A
ENGINEERING SUPERVISOR: T Swim	DATE: 9/15/93	N/A	N/A
ENGINEERING MANAGER: [illegible]	DATE: 9/17/93	N/A	N/A
DIRECTOR, DB ENGINEERING: [illegible]	DATE: 9/20/93	PLANT MANAGER: [illegible]	DATE: 9/23/93

SECTION 3 - ENGINEERING REVIEW

TO (Print Name)	ORGANIZATION	MAIL STOP
T S Swim	DECV	3210

FROM

DESIGN PROCESS - MAIL STOP 3245

VOIDING OF THE ABOVE DOCUMENT HAS BEEN APPROVED. PLEASE REVIEW THE DOCUMENT AND ITS FILES TO DETERMINE AND COMPLETE THE ENGINEERING ACTION REQUIRED TO VOID IT AND ASSOCIATED DOCUMENTATION. WHEN THE REQUIRED ENGINEERING ACTION IS COMPLETE, SIGN AND DATE THIS FORM BELOW AND RETURN IT TO DESIGN PROCESS AT THE ABOVE LISTED MAIL STOP.

ENGINEERING SUPERVISOR	DATE
Theo Swim	9/27/93

3

DAVIS-BESSE NUCLEAR POWER STATION
REQUEST FOR MODIFICATION (EN-DP-01200)
ED 8070

1. ~~RFM~~ NUMBER: MOD 90-0012

2. SUS NUMBER: 62.01

3. TITLE: REACTOR CLOSURE HEAD ACCESS PORTS

4. TERMS I.D. NO.: N/A

5. INITIATING DOCUMENT: RFA 90-0510

6. STATEMENT OF PROBLEM
BORIC ACID HAS LEAKED FROM THE CRD FLANGES AND HAS ACCUMULATED ON THE REACTOR HEAD. THE REACTOR HEAD IS CARBON STEEL AND THEREFORE IS SUSCEPTIBLE TO DEGRADATION.

VOID

7. DESCRIPTION AND SCOPE OF PROPOSED MODIFICATION
INSTALL MULTIPLE ACCESS PORTS WITH CLOSURE PLATES IN THE CLOSURE HEAD TO PERMIT CLEANING AND INSPECTION OF THE REACTOR HEAD.

8. INITIATING ENGINEER NAME: R.N. BAIR
9. SIGNATURE: R. N. Bair
10. DATE: 3/21/90
11. EXT: 8257

RFM REVIEW AND APPROVAL

12. RESPONSIBLE ENGINEERING SUPERVISOR	13. DATE	14. ENGINEERING DIRECTOR	15. DATE	16. PLANT MANAGER	17. DATE
J.a. Thorm	3/21/90	[signature]	3/22/90	[signature]	3/22/90

18. ☒ REQUEST ENGINEERING EFFORT BEGIN IMMEDIATELY
☐ N/A

☒ APPROVED ☐ REJECTED	ENGINEERING DIRECTOR	DATE	☐ APPROVED ☐ REJECTED	PLANT MANAGER	DATE
	[signature]	3/22/90		[signature]	3/22/90

19. APPROVAL TO PROCEED WITH

☐ SCOPING STUDY		☐ CONCEPTUAL DESIGN		☐ DETAILED DESIGN	
DBAPC	DATE	DBAPC	DATE	DBAPC	DATE
		DBWSC	DATE	DBWSC	DATE

20. ☐ RFM DISAPPROVED — DBAPC/DBWSC — DATE

REASON

21. ☐ THIS IS A PCAQ INITIATED RFM/MOD. FOR PCAQ

QUALITY ASSURANCE — DATE

TOLEDO EDISON COMPANY
REQUEST FOR ASSISTANCE
ED 76332

RFA NO 90-0510

ORIGINATOR	DATE	REQUESTING ORGANIZATION	MAIL STOP	EXTENSION
DAN WILCZYNSKI	3/19/90	SYS-PRIMARY	1056	8566
SUPERVISOR'S SIGNATURE	DATE	SUBSYSTEM	DATE REQUIRED	
[signature]	3/19/90	G2.01	3/28/90	

ASSOCIATED DOCUMENTS: PCAQ 90-0120

EQUIPMENT ID: T 1 / REACTOR VESSEL HEAD SERVICE STRUCTURE

PROBLEM DESCRIPTION

An inspection of the reactor vessel head has revealed several areas where boric acid has leaked down from the CRD flanges and accumulated on the head. The head is carbon steel and is therefore susceptible to degradation from the boric acid.

This RFA requests that Design prepare a modification package to install access holes in the service structure to allow cleaning of the head and subsequent inspection. The attached sketches from B+W detail the recommended hole locations and cover plate configuration. (B+W is currently doing the analysis to do this work for Crystal River.)

RESOLUTION

RESOLVING ORGANIZATION	RESPONSIBLE INDIVIDUAL	MAIL STOP	EXTENSION
DED - MECH			

REQUIRED CYCLE

SCHEDULED RESOLUTION DATE

INITIATED/ASSOCIATED DOCUMENTS

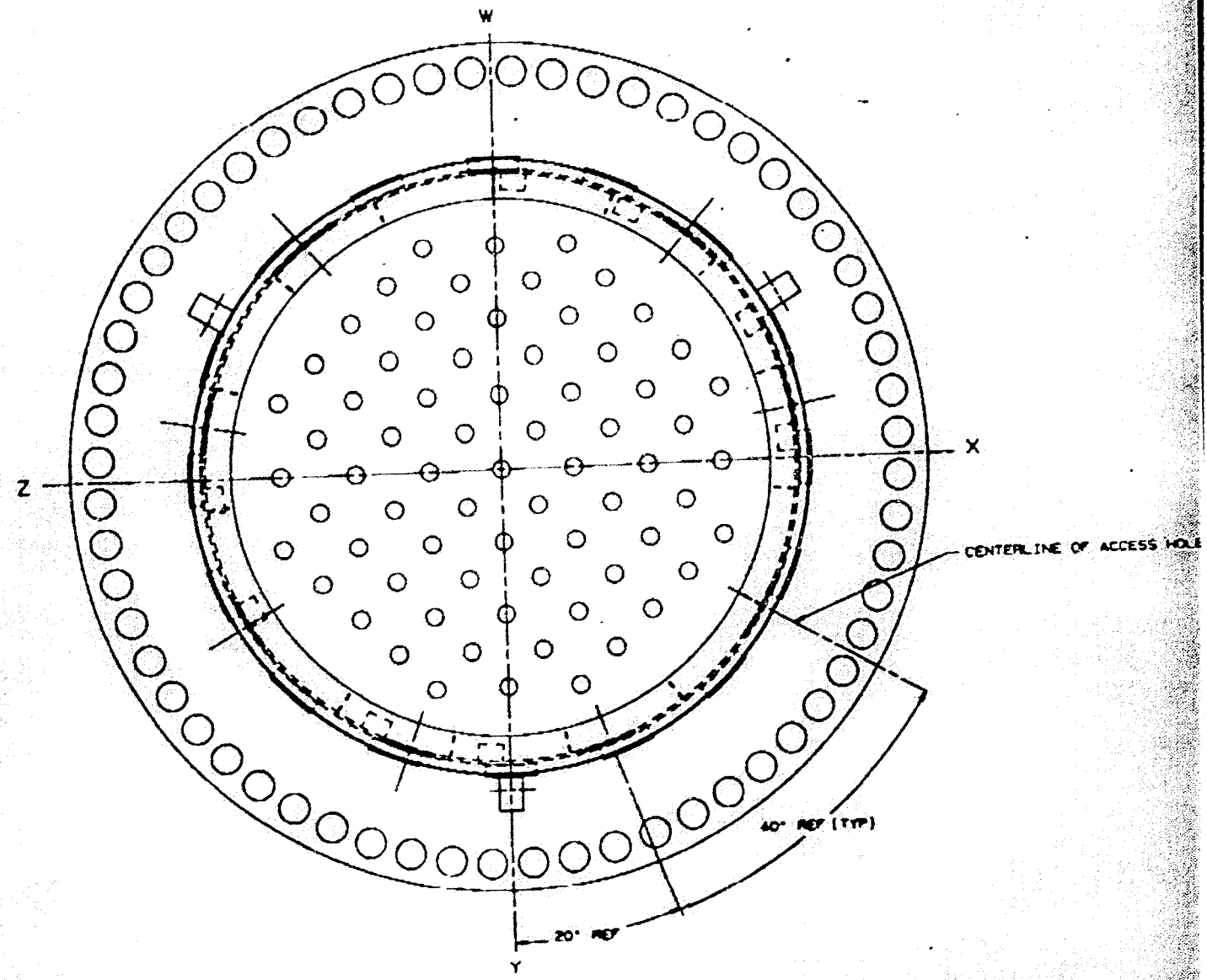
RESOLUTION/DISPOSITION

RESOLVING ORGANIZATION CLOSE OUT SIGNATURE

DATE

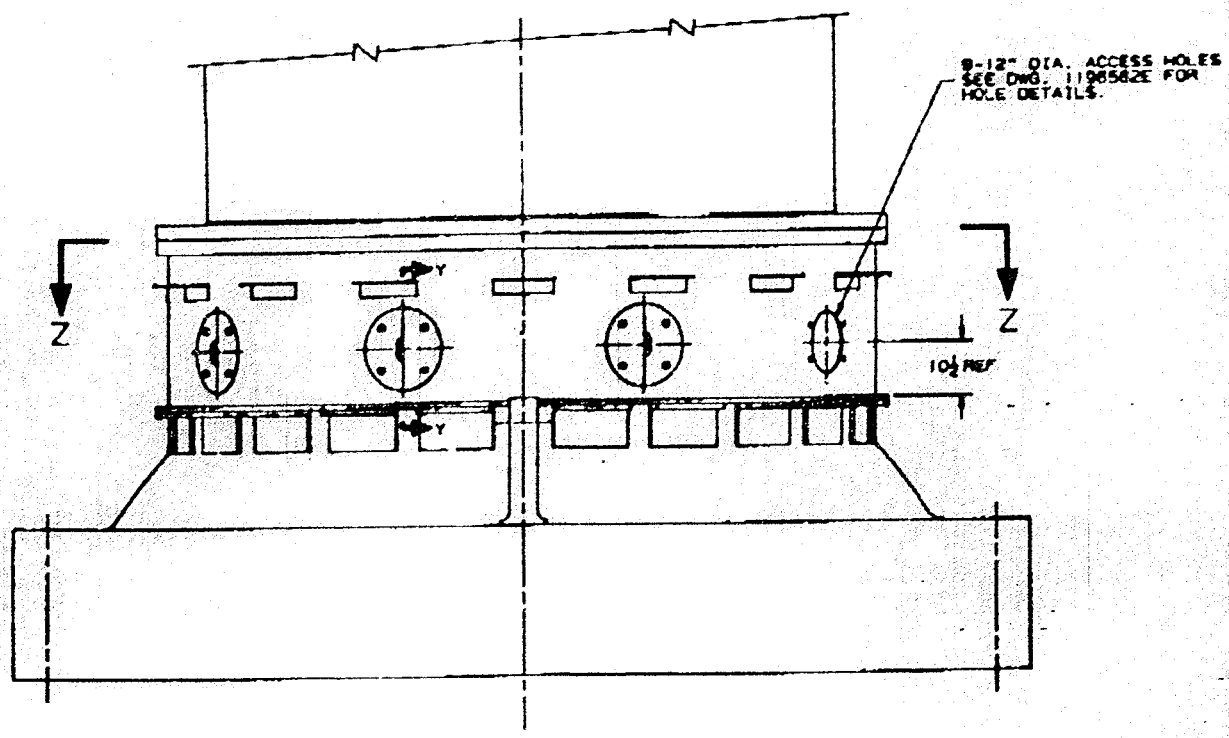
WHITE - ORIGINAL YELLOW - COPY 1 PINK - COPY 2 GOLDENROD - COPY 3

6



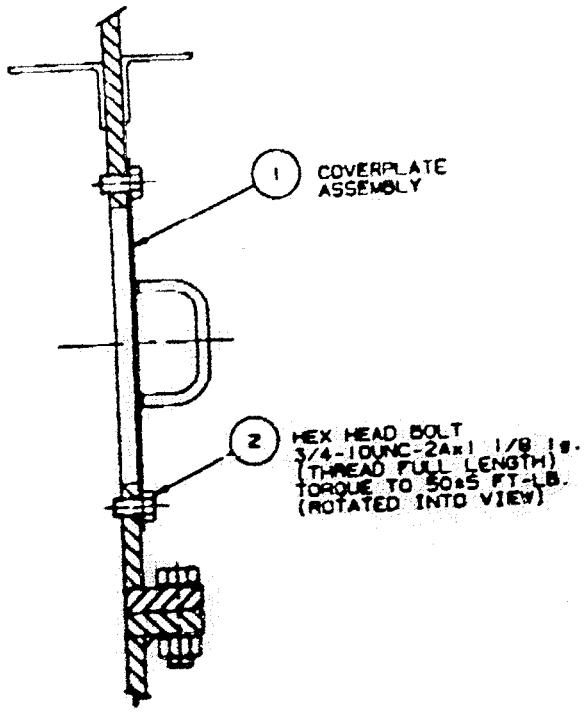
6

SECTION Z-Z



CLOSURE HEAD
ELEVATION VIEW
3/4" = 1'-0"

Page 2 of 3


1
COVERPLATE ASSEMBLY
2
HEX HEAD BOLT
3/4-10UNC-2A x 1 1/8 lg.
(THREAD FULL LENGTH)
TORQUE TO 50±5 FT-LB.
(ROTATED INTO VIEW)

SECTION Y-Y

MOD 90-0012

CORRESPONDENCE

Rev. 1
10/4/90

DPM VOID REVIEW CHECKLIST

DPM Void Technician to check each item listed below to confirm that he/she has performed all the required reviews during the void process.

FCR/MOD/DCR/SCR/SCC Number 90-0012

		YES	NO	N/A
1.	Has DBATS been verified for supplements?	(✓)	( )	( )
2.	Has the complete package been reviewed? (supplements, correspondence, closeout, etc.)	(✓)	( )	( )
3.	Have DCS and applicable logs been verified?	(✓)	( )	( )
4.	Are any SCNs associated with this package? (SPECLOG)	( )	(✓)	( )
5.	Are any OLCNs associated with this package? (DBATS)	( )	(✓)	( )
6.	Are any SDCNs associated with this package? (DPM LOG)	( )	(✓)	( )
7.	Are any DCCNs associated with this package? (DPM LOG)	( )	(✓)	( )
8.	Are any UCN's associated with this package? (NRM/DBATS)	( )	(✓)	( )
9.	Are there any "As-Built" change documents or drawings for this package?	( )	(✓)	( )
10.	Are there any DSCN'S associated with this package?	( )	(✓)	( )
11.	Has a Safety Evaluation number been assigned? (DBATS)	( )	(✓)	( )
12.	Are there any FCNs/FPRs?	( )	(✓)	( )
13.	Are there any MWOs associated with this package?	( )	(✓)	( )
14.	Has an IDW been prepared?	( )	(✓)	( )

Rev. 1
10/4/90

DPM VOID REVIEW CHECKLIST (Continued)

		YES	NO	N/A
15.	Has a Test Requirement sheet been prepared?	( )	(✓)	( )
16.	Is this package Corrective Action related? (PCAQ)	(✓)	( )	( )
17.	Is this package Commitment related (TERMS)?	( )	(✓)	( )
18.	Has Records Management been reviewed?	(✓)	( )	( )
19.	Will package require a Void Supplement/FPR?	( )	(✓)	( )
20.	Have DBATS steps and substeps been updated?	(✓)	( )	( )

COMMENTS: [illegible]

Signature

9/15/93
Date

a

DOC TYPE #: MOD

STEP #	STEP DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SUB STEPS	STATUS
01	INITIATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	COMPL
02	SCOPE-APPROVAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	VOID
03	BUDGET-AUTHORIZATION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
04	CONCEPTUAL-DESIGN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
05	DETAILED-DESIGN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
06	DETAIL-PKG-APPROVAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
07	PRE-IMPLEMENTATION	[illegible]	TWANDE	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
08	IMPLEMENTATION	MNPL	TWANDE	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
09	IMPL-TEST-TURNOVER	MNPL	TWANDE	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
10	ES-CLOSEOUT	DF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
11	CLOSEOUT-REVIEW	DF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
12	DED-CLOSEOUT-APPRVL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Y	OPEN
13	NAM-CLOSEOUT	DF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N	OPEN

PF1-ADD PF2-UPDATE PF4-RETRIEVE [illegible] PF6-SUBSTEP

PF7-PRIOR STEPS PF8-NEXT STEPS PF9-[illegible] PF10-DETAIL PF11-MENU

10

DMX16210 DAVIS-BESSE A[illegible] TRACKING SYSTEM 09/10/93

[illegible]

DOC TYPE #: MOD [illegible] SUMM: [illegible] AVID DEGRAD OF REACTOR

STEP #: [illegible] [illegible] DESCRIPTION: BUDGET-AUTHORIZATION

SUBSTEP #	SUBSTEP DESCRIPTION	RESPONSIBLE GROUP	INDIV'L	EST COMPL DATE	ACT COMPL DATE	STATUS
01	RECEIVE-RPM-FROM-OPM	NOPR	BRBEYE			OPEN
02	CHARGE-ACCT-ASSIGNED	NOPR	BRBEYE			OPEN
03	NOPR-DIRECTOR-APPROVAL	NOPR	BRBEYE			OPEN
04	FORWARD-TO-ENG-SUPPORT	NOPR	BRBEYE			OPEN

COMMENTS: VOID REQUEST RECEIVED [illegible] ON NEW FORM. MOD NO LONGER REQUIRED. RETURNED-TO-ACTIVE PER T.SWIM AND DBPRG.*JSH*

PF1-ADD PF2-UPDATE

PF6-STEPS PF9-R/T R PF10-DOC DETAIL PF11-SELECTION MENU

DM[illegible] DAVIS-BESSE ACTIVITY TRACKING SYSTEM 09/10/93

DOCUMENT SUBSTEPS

DOC TYPE/#: MOD [illegible] SUMM: BORIC ACID DEGRAD OF REACTOR

STEP #: 04 STEP DESCRIPTION: CONCEPTUAL-DESIGN

SUBSTEP #	SUBSTEP DESCRIPTION	RESPONSIBLE TYPE OF INDIV	RESPONSIBLE INDIV	EST COMPL DATE	ACT COMPL DATE	STATUS
01	RECEIVE-RPM-FROM-NSPR	[illegible]	NASEYF			OPEN
02	CONCEPTUAL-DESIGN-MEETING	DESV	TSSWIM			OPEN
03	CONCEPTUAL-DESIGN-COMPL	DED	NLBONN			OPEN

COMMENTS: SENT TO TSSWIM [illegible] RETURNED TO ACTIVE PER T.SWIM AND DB

PRG. *JSH*

PF1-ADD PF2-UPDATE

PF6-STEPS PF9-R/T R PF10-DOC DETAIL PF11-SELECTION MENU

12

'TRA-COMPANY MEMORANDUM

CENTERIOR ENERGY

O	P. J. Mainhardt, Senior Engineer - Nuclear	DATE	July 9, 1992
ROM	J. A. Whitson, Technician III J. A. Whitson	MAIL STOP	3245
UBJECT	MOD 90-0012 Return to Active	PHONE	7515
			NSS-92-00416

MOD 90-0012 was requested void per Document Void Request initiated by E. V. Chimahusky on June 19, 1992. Justification for voiding, was that the modification is no longer required.

Per notification from T. S. Swim on July 8, 1992, the DBPRG meeting of July 7, 1992 asked that this MOD be removed from the void process. It is to be placed in unbudgeted 9R MODs until after 8R and will be re-evaluated.

This MOD has been removed from the void process and returned to an active status. The current category has been changed to scheduled, and DBATS updated to reflect this information.

If you have any questions, contact me at extension 7515.

jsh

cc: E. V. Chimahusky
T. S. Swim
G. L. Tillman
D. R. Whalen

3

DOCUMENT VOID REQUEST

ED 8052-3

TO

DESIGN PROCESS - MAIL STOP 3245

SECTION 1 - INITIATION

DOCUMENT TO BE VOIDED	INITIATING DOCUMENT
MOD 90-0012	RFA 90-0510

JUSTIFICATION FOR VOIDING

Modification no longer required.

PER PRG MTG OF 7/7/92 PLEASE REMOVE FROM VOID PROCESS THIS IS TO BE PLACED IN UNBUDGETED 9R MODS UNTIL AFTER 8R Ted Swim 7/8/92

☐ CONTINUED

INITIATING DOCUMENT REDISPOSITION REQUIRED?

☐ YES - PROVIDE PROPOSED DISPOSITION ☒ NO - PROVIDE WRITTEN JUSTIFICATION ☐ N/A

This modification was initiated to allow easier access for inspection of Control Rod Drive Mechanism (CRDM) flanges and for cleaning of the reactor vessel head. Current inspection techniques using high powered cameras preclude the need for inspection ports. Additionally, cleaning of the reactor vessel head during last 2 outages was completed successfully without requiring access ports. Request MOD 90-0012 be voided.

REJECTED

☐ CONTINUED

REQUESTER (Print Name)	SIGNATURE	MAIL STOP	DATE
E. V. Chimahusky	Evchimahusky	1056	6/19/92

SECTION 2 - VOID APPROVALS

THE ABOVE NAMED DOCUMENT IS ATTACHED TO THIS REQUEST AND IS BEING FORWARDED FOR YOUR REVIEW AND VOID APPROVAL. IF YOU CONCUR WITH THIS VOID REQUEST, SIGN AND DATE THIS FORM AND RETURN IT TO DESIGN PROCESS. IF NOT, PROVIDE COMMENTS ON A DOCUMENT REVIEW SHEET (ED 6864) AND RETURN THEM WITH THE VOID REQUEST TO DESIGN PROCESS AT THE ABOVE LISTED MAIL STOP.

RESPONSIBLE ENGINEER	DATE		
ENGINEERING SUPERVISOR	DATE		
ENGINEERING MANAGER	DATE		
DIRECTOR - DB ENGINEERING	DATE	PLANT MANAGER	DATE

SECTION 3 - ENGINEERING REVIEW

TO (Print Name)	ORGANIZATION	MAIL STOP

FROM

DESIGN PROCESS - MAIL STOP 3245

VOIDING OF THE ABOVE DOCUMENT HAS BEEN APPROVED. PLEASE REVIEW THE DOCUMENT AND ITS FILES TO DETERMINE AND COMPLETE THE ENGINEERING ACTION REQUIRED TO VOID IT AND ASSOCIATED DOCUMENTATION. WHEN THE REQUIRED ENGINEERING ACTION IS COMPLETE, SIGN AND DATE THIS FORM BELOW AND RETURN IT TO DESIGN PROCESS AT THE ABOVE LISTED MAIL STOP.

ENGINEERING SUPERVISOR	DATE	

14

DMX16212 DAVIS-BESSE ACTIVITY TRACKING SYSTEM 06/22/92

DOCUMENT STEPS

DOC TYPE/#: MOD 90-0012-00 SUMM: BORIC ACID DEGRAD OF REACTOR

STEP #	STEP DESCRIPTION	RESPONSIBLE GROUP	RESPONSIBLE INDV	PLAN DAYS	ESTIMATE COMPL	ACTUAL COMPL	SUB STEPS	STATUS
01	INITIATION	DECV	RNBAIR	007	03/28/90	03/22/90	Y	COMPL
02	SCOPE-APPROVAL	INPL	DRLIGH	090	03/01/92	11/21/91	Y	VOID
03	BUDGET-AUTHORIZATION	INPL	DRLIGH	060			Y	OPEN
04	CONCEPTUAL-DESIGN	DECV	TSSWIM	090			Y	OPEN
05	DETAILED-DESIGN	DECV	TSSWIM	120			Y	OPEN
06	DETAIL-PKG-APPROVAL	PMGR	LFSTOR	030			Y	OPEN
07	PRE-IMPLEMENTATION	MNPL	TWANDE	060			Y	OPEN
08	IMPLEMENTATION	MNPL	TWANDE	360			Y	OPEN
09	IMPL-TEST-TURNOVER	MNPL	TWANDE	030			Y	OPEN
10	ES-CLOSEOUT	DP	GLTILL	030			Y	OPEN
11	DED-CLOSEOUT-APPRVL	DECV	TSSWIM	030			Y	OPEN
12	NRM-CLOSEOUT	DP	GLTILL	014			N	OPEN

PF1-ADD PF2-UPDATE PF4-RETRIEVE STEPS: T N PF5-SUBSTEP

PF7-PRIOR STEPS PF8-NEXT STEPS PF9-R/T P PF10-DETAIL PF11-MENU

15

DMX16211 DAVIS-BESSE ACTIVITY TRACKING SYSTEM 06/22/92

DOCUMENT SUBSTEPS

DOC TYPE/#: MOD 90-0012-00 SUMM: BORIC ACID DEGRAD OF REACTOR

STEP #: 03 STEP DESCRIPTION: BUDGET-AUTHORIZATION

SUBSTEP #	SUBSTEP DESCRIPTION	RESPONSIBLE GROUP	RESPONSIBLE INDIV'L	EST COMPL DATE	ACT COMPL DATE	STATUS
01	RECEIVE-RFM-FROM-OPM	NUPR	BRBEYE			OPEN
02	CHARGE-ACCT-ASSIGNED	NUPR	BRBEYE			OPEN
03	NUPR-DIRECTOR-APPROVAL	NUPR	BRBEYE			OPEN
04	FORWARD-TO-ENG-SUPPORT	NUPR	BRBEYE			OPEN

COMMENTS:

PF1-ADD PF2-UPDATE

PF5-STEPS PF9-R/T R PF10-DOC DETAIL PF11-SELECTION MENU

16

MX16213 DAVIS-BESSE ACTIVITY TRACKING SYSTEM 06/22/92

DOCUMENT SUBSTEPS

DOC TYPE/#: MOD 90-0012-00 SUMM: BORIC ACID DEGRAD OF REACTOR

STEP #: 04 STEP DESCRIPTION: CONCEPTUAL-DESIGN

SUBSTEP #	SUBSTEP DESCRIPTION	RESPONSIBLE GROUP	RESPONSIBLE INDIV'L	EST COMPL DATE	ACT COMPL DATE	STATUS
01	RECEIVE-RFM-FROM-NUPR	ES	NASEYF			OPEN
02	CONCEPTUAL-DESIGN-MEETING	DECV	TSSWIM			OPEN
03	CONCEPTUAL-DESIGN-COMPL	DED	VMWATS			OPEN

COMMENTS:

PF1-ADD PF2-UPDATE

PF5-STEPS PF9-P/T R PF10-DOC DETAIL PF11-SELECTION MENU

17

Rev. 1
10/4/90

DPM VOID REVIEW CHECKLIST

DPM Void Technician to check each item listed below to confirm that he/she has performed all the required reviews during the void process.

FCR/MOD/DCR/SCR/SCC Number 90-0012

		YES	NO	N/A
1.	Has DBATS been verified for supplements?	(✓)	( )	( )
2.	Has the complete package been reviewed? (supplements, correspondence, closeout, etc.)	(✓)	( )	( )
3.	Have DOCS and applicable DCS logs been verified?	(✓)	( )	( )
4.	Are any SCNs associated with this package? (SPECLOG)	( )	(✓)	( )
5.	Are any QLCNs associated with this package? (DBATS)	( )	(✓)	( )
6.	Are any SDCNs associated with this package? (DPM LOG)	( )	(✓)	( )
7.	Are any DCCNs associated with this package? (DPM LOG)	( )	(✓)	( )
8.	Are any UCN's associated with this package? (NRM/DBATS)	( )	(✓)	( )
9.	Are there any "As-Built" change documents or drawings for this package?	( )	(✓)	( )
10.	Are there any DSCN'S associated with this package?	( )	(✓)	( )
11.	Has a Safety Evaluation number been assigned? (DBATS)	( )	(✓)	( )
12.	Are there any FCNs/FPRs?	( )	(✓)	( )
13.	Are there any MWOs associated with this package?	( )	(✓)	( )
14.	Has an IDW been prepared?	( )	(✓)	( )

THE TOLEDO EDISON COMPANY
TELEPHONE CALL DOCUMENTATION
FD 6650

8

FILE MOD 90-0012

ORIGINATOR: Helen Quicke	COMPANY/ORGANIZATION: Design Process	ROUTE TO: 1.
CALL MADE TO: Clare Lynott	COMPANY/ORGANIZATION: Systems & Procedures	2.
CONFERENCE CALL PARTIES: N/A		3.
N/A		4.
STATION UNIT: DB-1	DATE: June 23, 92 / TIME: 8:00 a.m. p.m.	5.

SUBJECT: Notification of Voided Document Work Packages

Systems and Procedures was notified on the above date and time that the Design Process Void Review has been completed for MOD 90-0012.

Per this notification Systems and Procedures is requested to return any IDW/Summary Sheet documentation to be placed in the work package file.

This package will/will not be routed to Systems and Procedures.

COPIES TO: C. Lynott

PREPARED BY: Helen Quicke — Helen Quicke — DATE: 6/23/92

51 KA-91-0341 Pg 1 of 38 19

...AL CONDITION ...O QUALITY REPORT

SEE INSTRUCTIONS ON BACK

PCAQR NO 90-0120 PAGE 1 OF 1

PART 1 per telecon with Anthony Fine BTW 2-22-90 INITIATION

A DATE	B TIME	C EQUIP NO	D SYSTEM NO	E LOCATION
~~2/6/90~~ 2-12-90	02:00	55-02	N/A	R.V. Head Service Structure Shroud

F CLASSIFICATION: ☒ Q ☐ NO ☐ ASME

G FINDING REPORT NO: N/A

H INITIATED FOR: ☐ SUPPLIER DEVIATION ☐ SOFTWARE ☒ INSTALLED HARDWARE ☐ NON-INSTALLED HARDWARE ☐ CONDITIONAL RELEASE

I REQUIREMENT/COMMITMENT VIOLATED

Observation of a potential concern involving Boron leakage OR CRDM stator cooling air duct flow.

☐ CONTINUED

J DESCRIPTION OF POTENTIAL CONDITION ADVERSE TO QUALITY

During an inspection of the CRDM to Nozzle Flange Interface (R.V. Head) a chunk of Boron was noticed laying on the floor of the CRDM stator cooling plenum (Ductwork) in front of the "I" air flow hole in the R.V. Head Service Structure shroud. This chunk was cone shaped, approximetly 5 inches from the tip to base of the cone, and approximetly 8 inches in diameter. It was loose on the inside floor of the plenum and was left as is (there were smaller chunks also which may have fallen off). Flange leakers were noticed during this inspection.

INITIATING ORGANIZATION

K INITIATOR (PRINT NAME)	ORGANIZATION	L SUPERVISOR (PRINT NAME)	TITLE
Anthony S. Fine	BTW	AH Reynolds	BWNS MgR

SIGNATURE	DATE	EXTENSION	SIGNATURE	DATE	EXTENSION
[signature]	2/21/90	7833	A. H. Reynolds	2/21/90	8517

SHIFT SUPERVISOR

PART 2 STATUS AND REPORTABILITY

A MODE	B REACTOR POWER %	C MWE	D REPORTABILITY	E OPERABLE	F REFERENCES
6	0	0	☐ 1 HR ☐ 4 HR ☐ 24 HR ☒ N/A	☒ YES ☐ NO	DB-TS-00004

G IMMEDIATE ACTION/COMMENTS none, this condition was identified 2/6/90 but not brought to SS until 2/21/90.

☐ CONTINUED

H COMPLETED BY: D. Inlay DATE 2/21/90 ☐ CONTINUED

TECHNICAL PLANNING

PART 3 REPORTABILITY

A REPORTABLE	B LER NO	C DETERMINED BY	DATE
☐ YES ☒ NO ☐ POTENTIAL	N/A	Joseph J. Miller	2/22/90

D PRINCIPAL REFERENCE/JUSTIFICATION: DB-TS-00004 ☐ CONTINUED

E PCAQR SUBJECT: Boron Found on CRDM Stator Cooling Plenum

PCAQRS QAD

PART 4 INITIAL REVIEW

A MGT CORR ACTION	B MGT CORR ACTION NO	C ASSIGNED EVALUATOR (PART 5)	DUE DATE	PRIORITY
☐ YES ☐ NO ☒ N/A	N/A	Systems Engr	2/12/90	3

B QA DIRECTOR	DATE	D PCAQRS APPROVAL	DATE
N/A		[signature]	2/22/90

QA

PART 7 COMPLETION REVIEW/CLOSURE

A QC INSPECTOR (PART 5)	Q HOLD/CR TAGS REMOVED DATE	B QA CLOSURE REVIEW BY	DATE
[signature]	[illegible] ☒ N/A [illegible]	[signature]	5-31-91

19A 2

POTENTIAL CONDITION ADVERSE TO QUALITY REPORT

SEE INSTRUCTIONS ON BACK

PCAQR NO 90-0120 | PAGE 2 OF

PART 5 — REMEDIAL ACTION

A. PROPOSED DISPOSITION (NONCONFORMING HARDWARE ITEM)

☐ USE AS IS ☐ USE AS IS TEMPORARILY ☐ REPAIR ☒ REWORK ☐ REJECT ☐ N/A (Software Only)

B. [illegible] REPORTABLE — IF YES DATE/TIME — IF YES DATE/TIME SHIFT SUPERVISOR/TECHNICAL PLANNING NOTIFIED

☐ YES ☒ NO

C. SPECIFIED FUNCTION IMPAIRED Changed to ☒ YES ☒ NO (YES) DVW 3/19/90 — D. SHIFT SUPERVISOR NOTIFIED ☒ NA ☒ YES DVW/3/19/90 — IF YES, DATE/TIME 1600 HRS 3/19/90

E. ROOT CAUSE/CATPR (Part 6) REQUIRED ☒ YES ☐ NO — JUSTIFICATION

This condition (leaking CRD flanges) is repetitive and therefore a Root Cause determination and CATPR are required.

RECEIVED PCAQRB MAR 09 1990

ASSIGNED EVALUATOR

F. PROPOSED REMEDIAL ACTION AND JUSTIFICATION

1) Each of the leaking CRDs should be disassembled, cleaned and reassembled using new gaskets. (See attached continuation sheet for leaking flange identification.

2) A PM is scheduled to be done on the service structure vent fans this outage (MWO # 3-90-4322-01). As part of the work under this PMWO an inspection of the fan internals will be done to ensure that there is no damage/potential damage from any boric acid that may have reached the fans. The results of this inspection will be documented in this PCAQ.

☒ CONTINUED

G. AN CONCURRENCE	DATE	EXTENSION	H. DETERMINED BY	DATE	EXTENSION
R. Acomb	3-9-90	7547	DAN WILCZYNSKI / Dan Wilczynski	3/8/90	8566
I. APPROVED BY	DATE	EXTENSION	J. ENGINEERING APPROVAL	DATE	EXTENSION
F. D. Hughes	3/9/90	7581	N/A		

PCAQRB

K. ASSIGNED REMEDIAL ACTION ORGANIZATION(S)	PRIORITY	L. WORK COMPLETION DUE DATE
MNPL	3	3/20/90
Issue MWO		M. PCAQRB APPROVAL: John Johnson — DATE 3/14/90

ASSIGNED REMEDIAL ACTION ORGANIZATION

N. REMEDIAL ACTION TAKEN

O. WORK COMPLETION DOCUMENTS (LIST): 1-89-1943-05

See response dated 3-15-90 by 3-26-90

☐ CONTINUED ☐ CONTINUED

P. COMPLETED BY	DATE	EXTENSION	Q. APPROVED BY (SUPERVISOR)	DATE	EXTENSION

POTENTIAL CONDITION ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120 | PAGE 3 OF

PART | ITEM | CONTINUATION

F

CRD Flange Leak Inspection Results

An inspection (video) of the CRD flanges was performed by [illegible] and reviewed by System Engineering to determine which CRD flanges show evidence of leakage and therefore should be reworked during OR.

Based on the inspection the following locations identify which CRD flanges should be reworked:

F2, C5, L2, D8, C9, F8, L6, H8, O7, O9, L12, H14, E3, D4, F4, G7, N8, K11, ~~K12~~ (H12), G13, F14 and N10.

Any additional leaking flanges that are identified during the rework of the above twenty-two (22) flanges shall also be reworked.

Reference procedure DB-MM-09567.02 for coordinate locations.

Dan Wlazynski 3/8/90

2) In addition to the first two actions, a video inspection of the reactor vessel head (below the insulation) will be done during OR to ensure that there ~~are~~ is no leakage into the head itself.

Dan Wlazynski 3/8/90

☐ CONTINUED

21

POTENTIAL CONDITION ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO. 90-120 PAGE 22 OF

PART	ITEM	CONTINUATION
5	N	To: PCAQRB
		From: MNPC
		Response to 3-14-90 Assignment of page 2.
		MWO 1-82-1943-05 is presently working to correct the noted deficiencies. The MWO is implementing FCR 82-0042 to install the new split nut rings on the leaking CRDM nozzle flanges. The work will be completed prior to startup for the 22 noted leakers.
		3-15-90
		James B. Michaels 3-15-90
		RECEIVED PCAQRB MAR 15 1990
		PCAQRB 3/26/90

☐ CONTINUED

22 5

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-0120 | PAGE 4 OF

PART	ITEM	CONTINUATION
5	A+C	
	TO:	Systems
	DUE:	3/23/90
	PRI:	3
	ACTION:	Address Part 5A+C. Per NG-QA-00702 if 5A is rework and 5C is NO, an use-as is-temp disposition is required.
		PCAQRB John Johnson 3-14-90
	TO:	PCAQRB
	FROM:	SYSTEMS
		To address the above action the answer to block 5C was revised to "YES" and the shift supervisor (Larry Keller) was notified. The disposition in part 5A was not changed to "Use As-Is Temporarily" because this is clearly not the intent. The intent of the disposition is to return the CRD flanges to their original specified condition
		RECEIVED PCAQRB MAR 21 1990
		Dan Wilczynska 3/19/90
		J Marley for L Hughes 3/20/90
		PCAQRB John Johnson 3/26/90

☐ CONTINUED

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POTENTIAL CONDITION ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-0120 | PAGE 4 of

PART	ITEM	CONTINUATION
5	N	

TO: Systems
DUE: 4/12/90
PRI: 3
ACTION: Coordinate inspection of fans and CRD Flanges. Report any additional work required.

PCAQRB [signature] 3-14-90

TO: PCAQRB
FROM: Systems

Inspection of fan internals found no boron deposits in either fan. Based on additional inspection of CRD flanges during rework of the originally identified flanges, K-11 was not reworked because it was not leaking and G-3 was added to the ones to be reworked because it appeared to be leaking. Inspection of the reactor vessel lower head below the insulation found three areas with boron deposits. The areas were located near reactor vessel stud holes 3, 34 and 45. The areas were accessible through the seismic structure mounting flange drain holes. The three areas were cleaned by Radiological Control personnel using wire brushes and a vacuum cleaner. After cleaning, the three areas were visually inspected by Systems Engineering personnel to be sure the deposits were removed and that there was no surface irregularities from the deposits. The deposits were removed and no surface irregularities were found.

RECEIVED PCAQRB APR 13 1990

R.L. Ashe 4-10-90
[signature] 4/10/90
[signature] 4/10/90

DCAQRB [signature] ~~4/10/90~~ 4/17/90 ☐ CONTINUED

24 7

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120

PAGE 4b of

PART	ITEM	CONTINUATION
	TO	MNPL
	DEG	6R
	PRI	3
	ACTION	Track MWO to completion (1-89-1943-05)
		PCAQRB [signature] 3-26-90

☐ CONTINUED

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120 | PAGE 42 OF

PART	ITEM	CONTINUATION
		To: PCAQRB From: MNPL
		The same MWO's that correct deficiencies for PCAQ 90-0080 are used for this PCAQ. The MWO 1-89-1943-05 is currently with the Shift Supervisor to be checked for leaks at full temperature and pressure.
		This completes the actions of the PCAQ for MNPL
		RECEIVED PCAQRB JUN 8 1990
		6-8-90 6/8/90

☐ CONTINUED

20 9

POTENTIAL CONDITION ADVERSE TO QUALITY REPORT

SEE INSTRUCTIONS ON BACK

PCAOR NO 90-0120 | PAGE 5 OF

PART 6 — ROOT CAUSE/CATPR

PCAORB

A. ASSIGNED EVALUATOR: Systems | DUE DATE: 4/12/90 | PRIORITY: 3 | B. PCAORB APPROVAL: [signature] | DATE: 3-14-90

C. DESCRIBE ROOT CAUSE: The Root Cause of the problem of leaking CRDM flanges, boron in the CRDM ventilation system ductwork and boron on the reactor vessel closure head is inadequate CRDM flange gasket performance. This has been a known problem and was researched by B+W to identify a fix (reference B+W letter to Toledo Edison EXT-89-08194).

ASSIGNED EVALUATOR

☐ CONTINUED

D. DETERMINED BY: R. L. Ach | DATE: 4-10-90 | EXTENSION: 7458 | E. APPROVED BY: [signature] | DATE: 4/10/90 | EXTENSION: 7581

F. PROPOSED CORRECTIVE ACTION TO PREVENT RECURRENCE: In future refueling outages when leaking CRDM flanges are found, replace the gaskets with the new spiral wound stainless steel graphite filled gaskets as was done during this refueling outage. Also install the new gaskets with ultrasonic measurement techniques to provide controlled bolt loads and gasket loads as was done during this refueling outage.

RECEIVED PCAORB APR 13 1990

G. ANI CONCURRENCE: R. Acomb | DATE: 4-10-90 | EXTENSION: 7587

☐ CONTINUED

H. DETERMINED BY: R. L. Ach | DATE: 4-10-90 | EXTENSION: 7458 | I. APPROVED BY: [signature] | DATE: 4/10/90 | EXTENSION: 7581

PCAORB

J. ASSIGNED CATPR ORGANIZATION(S): See Cont. Sheet | PRIORITY: N/A

K. WORK COMPLETION DUE DATE: See Cont. Sht.

L. PCAORB APPROVAL: [signature] | DATE: 5-16-90

ASSIGNED CATPR ORGANIZATION

M. CORRECTIVE ACTION TO PREVENT RECURRENCE TAKEN: The identified leakers during OR were replaced with the spiral wound stainless steel graphite filled gaskets. This same style gasket will be used in the future based on the fact that an action should be assigned to Maint. to change DB AM-09023 (See response to our latest action on page 6 of this PAQ)

N. WORK COMPLETION DOCUMENTS (LIST): 1-89-1943 05

☐ CONTINUED | ☐ CONTINUED

O. COMPLETED BY: [signature] | DATE: 5/8/90 | EXTENSION: 9566 | P. APPROVED BY (SUPERVISOR): [signature] | DATE: 5/8/90 | EXTENSION: 7581

27 10

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120 | PAGE 6 OF

PART | ITEM | CONTINUATION

TO: Systems Engr
Due: 5/30/90
Pri: 3
Action: Provide details on How to implement CATPR

PCAQRB John Johnson 4/17/90

TO: PCAQRB
FROM: Systems

Change maintenance procedure DB-MM-09023, Routine CRDM Maintenance, to reflect the use of spiral wound stainless steel graphite filled gaskets as spare parts. Also, change this procedure to require the use of ultrasonic measurement techniques to provide controlled bolt and gasket loads. Based on a conversation with Maintenance, these changes to this procedure are already identified on a revision scheduled. Transfer PCAQ to Maintenance for completion of procedure changes.

Rick Ackerman 5-8-90
Dan Wilczynski 5/8/90
[illegible] 5/8/90

RECEIVED
PCAQRB
MAY 11 [illegible]

☐ CONTINUED

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-0120 | PAGE 7 of

PART	ITEM	CONTINUATION
	TO.	MECH
	DUE	9-25-90
	PRI	3
ACTION.		Revise DB-MM-09023
		PCAQRB [signature] 5/16/90
	TO:	PCAQRB
		DB-MM-09023 has been revised and now includes use of graphite + stainless gaskets and ultrasonic bolt loading measurements
		Effective date is 10/23/90
		Determined by: [signature] 10/25/90
		Approved by: [signature] 12/28/90

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PCAQRB
JAN 2 1991

☐ CONTINUED

29 12

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120 PAGE 8 OF

PART	ITEM	CONTINUATION
7	A	QC closeout based on review of MWO 1-89-1943-05 and fan inspection results documented on this PCAQR.

[signature] QC 1-16-91

☐ CONTINUED

30 13

QA VERIFICATION CLOSEOUT REVIEW

ED #004-1

PCAQR NO	PAGE
90-0120	9 OF

		YES	NO	N/A
1	Verify that the remedial action that was performed corrects the condition that was identified		*	
2	Verify that the root cause is reasonable for the identified condition adverse to quality			
3	Verify that the corrective action to prevent recurrence of the condition addresses the identified root cause of the condition			
4	Verify that any maintenance work orders or modifications initiated as a means to perform remedial or corrective action to prevent recurrence have a work scope consistent with the proposed action identified on the corrective action document			
5	Verify that documents such as procedures, drawings, and specifications that were initiated or revised as part of the corrective action are referenced on the corrective action document by a procedure and revision number and their effective date(s)			
6	Verify that any training or meetings required by the proposed corrective action was performed and referenced on the corrective action document by course name, number, and date of training			
7	Verify that any proposed corrective action that was identified was completed as described			
8	Verify that all appropriate parts of the form are complete			
9	Verify that ANI concurrence (ASME Code only) has been documented			

DOCUMENTS REVIEWED FOR CLOSURE

☐ CONTINUED

COMMENTS QA CLOSURE REVIEW HAS IDENTIFIED THE FOLLOWING DEFICIENCIES WHICH REQUIRE RESOLUTION:

NO ACTION HAS BEEN INITIATED TO PRECLUDE THE USEAGE OF THE OBSOLETE NON-INSTALLED HARDWARE. STOCK NUMBER 33-0858I INDICATES THAT IT REPLACES 33-2385I FOR THE CRDM FLANGES (GASKET SET). CMMS SHOWS 7 OF THE OBSOLETE GASKET STYLE ARE LOCATED IN THE WAREHOUSE AT BIN LOCATION 04E042 FROM PO # 018734 (6-10-88).

RECEIVED
PCAQRE
FEB [illegible]

☐ CONTINUED

COMPLETED BY (QA Reviewer) [signature] KEVIN L. BROWNING DATE 2-8-91

REVIEWED BY (Quality Systems Manager or unacceptable) [signature] DATE 2/8/91

31 14

POTENTIAL CONDITION
ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO. 90 0120 | PAGE 10 OF

PART	ITEM	CONTINUATION
	TO	SYSC
	Due	3/1/91
	PRI	3
	ACTION	Please respond to QA's comments.
		Kristi Reese 2.11.91
		PCAQR Administrator
	TO:	PCAQR Administrator
	FROM:	Systems Engineering
		See attached Telephone Call Documentation for resolution of QA's comments. It will take approximately 2 weeks to complete the actions requested in the Telephone Call Documentation.
		Rick A[illegible] 4-29-91
		[signature]
		Eugene C Matranga 4/29/91
		RECEIVED PCAQRB APR 29 1991
		See att. 2
		PCAQRB Chairman [signature] 5/3/91

☐ CONTINUED

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POTENTIAL CONDITION ADVERSE TO QUALITY REPORT CONTINUATION SHEET

PCAQR NO 90-120 | PAGE 11 OF

PART	ITEM	CONTINUATION
5	K	
	TO:	MATC
	Due:	5/20/91
	Pri:	3
	Action:	(1) Delete the CRDM stainless steel/asbestos gasket material ~~from~~ stock description from stock code 33-2385.
		(2) Remove all CRDM stainless steel/asbestos gasket from stock.
		PCAQRB [signature] 5/3/91
		All actions were completed on 5/1/91
		Attached are copies of the CMMIS description with the "Delete" notation, the MRS with instructions to delete from the inventory and a copy of the "On hand inventory screen" with 0 on hand balance.
		[signature] #2344 5/13/91

RECEIVED PCAQRB MAY 13 1991

☐ CONTINUED

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QA VERIFICATION CLOSEOUT REVIEW

(ED R004 1)

PCAQR NO	PAGE
90-0120	12 OF

		YES	NC	N/A
1	Verify that the remedial action that was performed corrects the condition that was identified	X		
2	Verify that the root cause is reasonable for the identified condition adverse to quality	X		
3	Verify that the corrective action to prevent recurrence of the condition addresses the identified root cause of the condition	X		
4	Verify that any maintenance work orders or modifications initiated as a means to perform remedial or corrective action to prevent recurrence have a work scope consistent with the proposed action identified on the corrective action document	X		
5	Verify that documents such as procedures, drawings, and specifications that were initiated or revised as part of the corrective action are referenced on the corrective action document by a procedure and revision number and their effective date(s)	X		
6	Verify that any training or meetings required by the proposed corrective action was performed and referenced on the corrective action document by course name, number, and date of training			X
7	Verify that any proposed corrective action that was identified was completed as described	X		
8	Verify that all appropriate parts of the form are complete	X		
9	Verify that ANI concurrence (ASME Code only) has been documented	X		

DOCUMENTS REVIEWED FOR CLOSURE MWO's 3-90-4322-01, 1-89-1943-05, PROCEDURES DB-MM-09023 R0, DB-MM-11053 R0 C-2, PROCUREMENT PACKAGE 332385 R1

☐ CONTINUED

COMMENTS ACTIONS HAVE BEEN COMPLETED SATISFACTORILY TO ALLOW CLOSEOUT.

☐ CONTINUED

COMPLETED BY (QA Reviewer) [signature] KEVIN L. BROWNING — DATE 5-31-91

REVIEWED BY (Quality Systems Manager if unacceptable) N/A — DATE

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17

PCAQR EXTENSION REQUEST

FD 7910-1

TO BE COMPLETED BY INITIATING ORGANIZATION

PCAQR NUMBER 90-0120	GROUP REQUESTING EXTENSION MM
CURRENT PRIORITY NO 3	CURRENT ASSIGNED DUE DATE 10/30/90
ORIGINAL DUE DATE (If not first extension) 9/25/90	EXTENSION REQUESTED UNTIL ~~11/30/90~~ 11-1-90 12/31/90

PCAQ SUBJECT Leaking CRDM flanges.

REASON FOR REQUEST Procedure is out for cross comment review for the second time due to major changes. Additional time is for comment resolution & processing.

☐ CONTINUED

1. Based on the information available to you, could the granting of this extension and the delay in implementing the relevant corrective action cause or allow a system or component related to this PCAQ to become inoperable? ☐ YES ☑ NO
2. Are there drawings, procedures, or other documents related to this PCAQ that could be used by the Station or Engineering that are incorrect and that could cause improper work or operator action? ☐ YES ☑ NO
3. If the answer to either Question 1 or 2 is Yes, describe the interim measures being taken to minimize any adverse affect on the Station. (Use Continuation Sheet on back if necessary)

SIGNATURE OF PREPARER	DATE 10/29/90	SIGNATURE OF MGR/SUPT	DATE 10-29-90

TO BE COMPLETED BY CORRECTIVE ACTION COORDINATOR

NUMBER OF PREVIOUS EXTENSIONS 1

REMARKS

RECEIVED
PCAQRB
OCT 29 1990

SIGNATURE OF CAC	DATE 10/29/90

TO BE COMPLETED BY PCAQRB CHAIRMAN

REMARKS

APPROVED – PCAQRB SIGNATURE	DATE 11/1/90

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PCAOR EXTENSION REQUEST

TO BE COMPLETED BY INITIATING ORGANIZATION

PCAOR NUMBER: 90-130

GROUP REQUESTING EXTENSION: Mech Maint

CURRENT PRIORITY NO: 3

CURRENT ASSIGNED DUE DATE: 9/3/90

ORIGINAL DUE DATE (If not first extension): N/A

EXTENSION REQUESTED UNTIL: 10/30/90

PCAO SUBJECT: Leaking CRDM Flanges

REASON FOR REQUEST: Procedure mod has proven to be complex. Additional time needed for review, validation and cross-comment.

☐ CONTINUED

1. Based on the information available to you, could the granting of this extension and the delay in implementing the relevant corrective action cause or allow a system or component related to this PCAO to become inoperable? ☐ YES ☒ NO
2. Are there drawings, procedures, or other documents related to this PCAO that could be used by the Station or Engineering that are incorrect and that could cause improper work or operator action? ☐ YES ☒ NO
3. If the answer to either Question 1 or 2 is Yes, describe the interim measures being taken to minimize any adverse effect on the Station. (Use Continuation Sheet on back if necessary)

SIGNATURE OF PREPARER: [illegible] DATE: 9/5/90 SIGNATURE OF MGR/SUPT: [illegible] DATE: 9/15/90

TO BE COMPLETED BY CORRECTIVE ACTION COORDINATOR

NUMBER OF PREVIOUS EXTENSIONS: 0

RECEIVED PCAORB SEP 19 1990

REMARKS

SIGNATURE OF CAC: Kristi Reiss DATE: 9-19-90

TO BE COMPLETED BY PCAORB CHAIRMAN

REMARKS

APPROVED PCAORB SIGNATURE: [illegible] DATE: 9/21/90

30 19

PCAQR EXTENSION REQUEST

SEE INSTRUCTIONS ON BACK

PCAQR NO 90-0120 | PAGE OF

TO BE COMPLETED BY INITIATING ORGANIZATION

GROUP REQUESTING EXTENSION
Systems Engineering

CURRENT PRIORITY NO
3

CURRENT ASSIGNED DUE DATE
3/1/91

ORIGINAL DUE DATE (If not first extension)
NA

EXTENSION REQUESTED UNTIL
4/30/91

PCAQR ACTION
Respond to QA's comments

REASON FOR REQUEST
Due to ~~personnell~~ RS 3/1/91 personnel supporting request for quote for 7RFO work, the current assigned due date cannot be met

☐ CONTINUED

DELAY JUSTIFICATION
Delay of this PCAQ response will have minimal ~~response~~ RS 3/1/91 effect on the station. No work is planned on the CRDM flanges until 7RFO. Although the obsolete gasket is not the preferred gasket, it would be acceptable to use if necessary.

☐ CONTINUED

SIGNATURE OF PREPARER EXTENSION	DATE	SIGNATURE OF SUPERVISOR EXTENSION	DATE
[signature]	3/1/91	C. A. Henggs	3-1-91

TO BE COMPLETED BY PCAQ ADMINISTRATOR

NUMBER OF EXTENSIONS
1

REMARKS

RECEIVED
PCAQRB
MAR 1 1991

SIGNATURE OF PA
Kristi Reiss

DATE
3/1/91

TO BE COMPLETED BY PCAQRB CHAIRMAN

REMARKS

APPROVED — PCAQRB CHAIRMAN
[signature]

DATE
3/5/91

0 5 1 4 0 0 4 1

37

20

(51)

SIGNATURE OF FIRST AND MIDDLE NAME AND ENTIRE LAST NAME (PERSON)		4/2/90	4/3/90	4/4/90	4/5/90	4/6/90
Chasteen RR	mech	10	10	10	6	10
Smith O	Mech	10	10	10	10	10
Bedford J	mech	10	10	10	10	10
Minier J	mech	10	10	10	10	10
Bongiorno P	mech	10		10	10	10
Barry W	mech	10				
Rawlings R	mech	10	10	10	10	10
Meta W	mech	10	10		4	2

REQUIRED ENTER NUMBER: 95

N/A HS 3/29/90

MATERIAL VENDOR PART USED	STOCK CODE NO	QUANTITY	MIT PO NUMBER
Dow Corning 200/600 ✓	49-5045	as needed	MIT 806715 P.O. 069716A
O-ring 7 in. I.D. 7 3/8 in. OD. ✓	7826283	6	[illegible]
O-ring 7 in. I.D. 7 3/8 in. OD ✓	7826283	12	012155
O-ring 7 in. I.D. 7 3/8 in. OD. ✓	7826283	4	P081954A
O-ring 4 1/4 I.D. 4 5/8 in. OD ✓	7826284	22	P.O. 66572
NEOLube #2 ✓	49-5035	1 PT	[illegible]
GLYCEROL ✓	49-9062	2 PT.	9008800147 C602731090
GASKET SET ✓	33-0858	22 SETS	9006000206 S009644089
BOLT, CONE, 1 1/8" - 12NF x 8" SHANK ✓	82-1651	177 ea.	9004700820 S008928090
SPLIT NUT RINGS ✓	46-6423	20 SETS	9006700007 016463
SPLIT NUT RINGS ✓	46-6923	2 SETS	9006700007 P65899
SCREW, 5/16" x 2" - 18UNC 2A ✓	15-0504	44 ea.	9005100178 S009697090
GEAR ASSM. [illegible] ✓	86-[illegible]41	1 EA	[illegible]
HELICOIL INSERT ✓	82-4353	2 EA.	9008400037 019243
RETAINING RING ✓	86-6712	2 EA.	9007500189 020380

PCAOR 90-0120

ATTACHMENT 1

PAGE ____ OF ____

PERSONNEL RECORD

USE INITIAL OF FIRST AND MIDDLE NAME AND ENTIRE LAST NAME (Print)		7/3 40	7/3 40	7/4 40	7/5 40	7/6 40
NAME	CRAFT					
Chastreen RR	mech	10	10	10	6	10
SMITH O	Mech	10	10	10	10	10
DeLORD J	mech	10	10	10	10	10
MINICK J	mech	10	10	10	10	10
BONGIORNO P	mech	10		10	10	10
BARRY W	mech	10				
RAWLINGS R	mech	10	10	10	10	10
Mota W	mech	10	10		4	2

PERSONNEL NO. & CALIBRATION DUE DATE

95

N/A MS 2/29/84

MATERIAL INDICATE PART USED	STOCK CODE NO.	QUANTITY	MFT. NO. NUMBER
Dow Corning 200/600 ✓	49-5045	NORCO	P.O. 697-64
O-ring 7 in. ID 7/8 in. OD ✓	T-836283	6	
O-ring 7 in ID 7/8 in OD ✓	T-836283	2	
O-ring 7 in ID 7/8 in OD ✓	T-836283	4	
O-ring 4 1/4 in ID 4 5/8 in OD ✓	82-[illegible]	22	
NEOLube 2 ✓	49-5035	1 PT	
GLYCEROL ✓	49-9062	2 PT.	
~~Gasket Set~~ ✓	~~53-[illegible]~~	~~22 SETS~~	
BOLT, CONE 1 1/8 - 12NF X 8" SHANK ✓	82-[illegible]	177	
SPLIT NUT RINGS ✓	46-6923	20	
SPLIT NUT RINGS	46-6923	2 SETS	
SCREW, 5/16 x 2" - 18UNC 2A ✓	15-0504	44 EA	
GEAR ASSM. FIE P.S. TYPE ✓	86-3441	1 EA	
HELICOIL INSERT ✓	82-4853	2 EA	
RETAINING RING ✓	86-6712	2 EA	

PCADR H. Lilal

ATTACHMENT

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TOLEDO EDISON

DOCUMENT TRANSMITTAL FORM

ED 7947-1

(1) DATE 3-22-90	(2) NUMBER N/A
(3) TO ENGINEERING PLANNING	(4) MAIL STOP 3160
(5) ORGANIZATION OUTAGE AND PROGRAM MANAGEMENT	
(6) FROM ENGINEERING SERVICES	
(7) DOCUMENT NAME MOD 90-0012-00	(8) CONTROL COPY N/A

(9) ☑ ORIGINAL - FOR SUBMITTAL TO DAVIS-BESSE WORK SCOPE COMMITTEE

(9) ☐ CHANGE

(9) ☐ REVISION

(9) ☐ REVIEW - RETURN MARKED UP COPY IN FIVE (5) DAYS

(10) ☐ REVIEW & DESTROY

(10) ☐ INSERT

This Form should be signed, dated and returned by 5 working days

(11) RECIPIENT (Signature) Sheila Scott	DATE 3-22-90
(12) RETURN TO ENGINEERING SERVICES	MAIL STOP 3245
(13) FOR ASSISTANCE CALL NANCY SEYFERTH	
(14) PHONE EXTENSION 8462	MAIL STOP 3245

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THE TOLEDO EDISON COMPANY
TELEPHONE CALL DOCUMENTATION
D 6650

FILE: RFM 90-0012

ORIGINATOR: Rich Ackerman	COMPANY/ORGANIZATION: TE/Systems Engineering	ROUTE TO: 1.
CALL MADE TO: Bill Brewer	COMPANY/ORGANIZATION: FPC/Crystal River (904) 795-6486 X-4730	2.
CONFERENCE CALL PARTIES		3.
		4.
STATION/UNIT: Davis-Besse Unit #1	DATE: July 9, 19 90 / TIME: 11:45 a.m. ~~p.m.~~	5.

SUBJECT: Service Structure Inspection Openings for Access to the Reactor Vessel Head

Mr. Brewer was contacted to find out what Crystal River's experience was during their recent refueling outage when they modified their service structure. Mr. Brewer had the following comments:

Nine 12" diameter holes were installed. The holes are equally spaced 360° around the service structure. No problems were encountered during the installation. It took two 10 hour shifts to do the machining of the access holes and bolt holes. The covers take approximately 30 minutes to install. Boron was found on the head. The boron was removed with scrapers and a vacuum cleaner. Approximately a half a wheelbarrow of boron was removed. No degredation of the reactor vessel head or insulation support steel was found. Crystal River has done many visual and video inspections of the reactor vessel head through the mouse holes. In 1981 or 1982, they tried to clean the head through the mouse holes using long handled tools. The cleaning was unsuccessful due to poor access and the inability to see the entire head. Overall, the modification was worthwhile.

COPIES TO

PREPARED BY: Rich Ackerman R.L. Ack

DATE: July 12, 1990