

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

ZIMMER MONTHLY
STATUS REPORT

MARCH 1983

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PDR ADOCK 05000358
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A. Executive Summary

In a March 7, 1983 letter, Cincinnati Gas and Electric (CG&E) requested approval of Torrey Pines Technology to perform the independent review of the Zimmer project management. On March 16, 1983, Region III requested CG&E to provide additional information on the Torrey Pines Technology proposal. The licensee responded on March 21, 1983. The Region is evaluating the submittals and comments solicited from interested parties. A public meeting in the Cincinnati area was held on March 28, 1983, regarding comments on Torrey Pines Technology. The comments received at the public meeting are being evaluated.

On March 30, 1983, Messrs. J. G. Keppler, R. F. Warnick, and W. B. Menczer briefed Ohio Governor R. F. Celeste on activities at Zimmer.

With regard to allegations of early Bechtel involvement at the Zimmer site, the Office of Investigations had completed its investigation. The allegations were not substantiated.

Region III inspection efforts at the Zimmer facility during the month of March were concentrated on review of nonconformance reports, monitoring and inspection of other ongoing activities including the Quality Confirmation Program (QCP), monitoring of the stopping of safety-related construction, and review of welders qualifications. Region III personnel also responded to numerous requests for information. Inspection Report No. 50-358/82-10 was issued during the month of March.

Approximately 300 inspector man-hours were spent during March 1983 toward answering a congressional inquiry with regard to welder qualifications. The resident inspectors are reviewing records for 538 welders.

Attachment I summarizes the changes in the QCP Task completion status and expected completion dates.

Attachment II is CG&E's QCP status report and summary sheet for the month of February.

B. Other Activities for the Month of March

The National Board of Boiler and Pressure Vessel Inspectors is continuing inspection efforts onsite. The findings of the National Board are consistent with and similar to NRC findings. The National Board issued Interim Report No. 8 on March 15, 1983.

The licensee responded on the following dates in March: 03/07/83, 03/11/83, 03/21/83, and 03/25/83.

In accordance with 10 CFR 50.55(e), the licensee reported the following potential construction deficiency:

On March 7, 1983, the licensee reported that solid state trip devices for low voltage power circuit breakers may be defective. These devices

were manufactured by Brown Boveri Electric, Inc. prior to August 1976. The licensee has located 57 of these devices in safety related equipment. This problem was first reported to the NRC in a Brown Boveri Electric Inc. letter, dated December 10, 1982, to Mr. V. Stello.

Region III is continuing evaluation of the licensee's responses to the Investigation Report 81-13 and civil penalty, some progress was made during the month.

On September 24, 1982, the Region III Regional Administrator issued a 10 CFR 50.54(f) "Demand for Information" with respect to an August 20, 1982 Section 2.206 petition filed by the Government Accountability Project (GAP). The licensee responded to the "Demand for Information" on February 28, 1983. No progress was made on evaluating the response during the month because of other priority work.

C. Zimmer Section Manpower Availability and Utilization

1. Assigned Manpower

Section Chief and Project Manager Assigned to Zimmer full time and onsite part-time.

Three Resident Inspectors onsite full-time.

2. Summary of Manpower Utilization

Onsite and inoffice professional effort from January 2, 1983 through February 26, 1983 was approximately 978 manhours, with 518 of these manhours occurring between January 30 and February 26, 1983. Professional effort for 1982 was approximately 10,641 manhours. (These hours do not include those of OI investigators.)

Attachments

- I. Summary of the progress of the QCP task areas
- II. QCP Status as of February 28, 1983 (Provided by Licensee)

SUMMARY OF THE PROGRESS OF QUALITY CONFIRMATION PROGRAM (QCP) TASK AREAS

TASK AREA	PERCENT COMPLETE/EXPECTED COMPLETION AS OF				
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY
I. STRUCTURAL STEEL*	58% 12/01/82	67% 03/01/83	69% 03/01/83	69% 03/01/83	72% 05/01/83
II. WELD QUALITY*	70% **	70% **	70% **	70% **	70% **
III. HEAT NUMBER TRACEABILITY*	36% **	40% **	41% 12/31/83	44% 12/31/83	45% 12/31/83
IV. SOCKET WELD FITUP	98% 03/01/83	98% 04/30/83	98% 04/30/83	98% 04/30/83	98% 04/30/83
V. RADIOGRAPHS	99% 11/15/82	99% 01/15/83	99% 02/15/83	100% 02/15/83	100% 02/15/83
VI. CABLE SEPARATION*	50% 06/01/83	55% 06/01/83	61% 06/01/83	71% 06/01/83	73% 06/01/83
VII. NONCONFORMANCES	61% 01/30/83	61% 03/31/83	65% 06/01/83	68% 06/01/83	71% 06/01/83
VIII. DESIGN CONTROL AND VERIFICATION	99% 12/15/82	99% 02/28/83	99% 03/15/83	99% 03/15/83	99% 03/15/83
IX. DESIGN DOCUMENT CHANGES	<35% 06/01/83	<37% 06/30/83	<40% 09/30/83	<42% 09/30/83	<43% 09/30/83
X. SUBCONTRACTOR QA PROGRAMS	78% 12/31/82	78% 02/28/83	79% 06/01/83	79% 06/01/83	79% 06/01/83
XI. AUDITS	82% 12/31/82	82% 02/28/83	83% 06/01/83	83% 06/01/83	85% 06/01/83

*Areas viewed by Region III as potentially requiring a significant amount of rework.

**Estimated completion date to be determined.

THE CINCINNATI GAS & ELECTRIC COMPANY



CINCINNATI, OHIO 45201
March 14, 1983
EAB-SOL-35

E. A. BORGMANN
SENIOR VICE PRESIDENT

D. F. W.
D. G. L.

PRINCIPAL STAFF	
RA	INF
D/RA	209147
A/RA	PRO
DPRP	SLO
DRMA	ES
DRMSP	
DE	
ML	
OL	FILE

U. S. NUCLEAR REGULATORY COMMISSION
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: Mr. J. G. Keppler
Regional Administrator

RE: Wm. H. Zimmer Nuclear Power Station - Unit 1
MONTHLY STATUS REPORT FOR THE QUALITY
CONFIRMATION PROGRAM
Docket No. 50-358 Construction Permit No. CPPR-88
W. O. 57300 Job E-5590 File 956

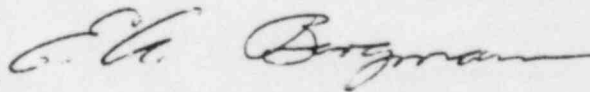
Gentlemen:

Attached is one copy of the Quality Confirmation Program (QCP) February Status Report and Summary Sheet for your review in accordance with Mr. R. F. Warnick's letter dated December 30, 1982.

If you have any questions or comments, you may contact myself or Mr. J. F. Shaffer, Director of Quality Confirmation Program at (513) 553-7609.

Very truly yours,

THE CINCINNATI GAS & ELECTRIC CO.

By 
E. A. Borgmann
Senior Vice President

JCH:rem

cc: Senior Resident Inspector
Attn: W. F. Christianson

NRC Office of Inspection and Enforcement
Washington, D. C. 20555
Attn: J. H. Sniezek

Office of Nuclear Reactor Regulation
Washington, D. C. 20555
Attn: L. Kintner

Zimmer Project Inspector
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

MAR 17 1983

QCP SUMMARY

- Task 1 Structural Steel - This task is currently staffed with 18 people working mainly in the Service Water and Reactor Building during this reporting period. This task is currently estimated to be 72% complete.
- Task 2 Weld Quality - This task is currently staffed with 6 people, working final small bore weld rod heat traceability review and weld procedure review. This task is currently estimated to be 70% complete.
- Task 3 Heat Number Traceability - This task is currently staffed with 8 people, working mostly on the Purchase Order Reviews and Gamma Plug inspections. This task is currently estimated to be 45% complete.
- Task 4 Socket Weld Disengagement - This task is currently staffed with 2 people, mostly concentrating on the review of Document Packages. This review is continuing and is currently estimated to be 98% complete.
- Task 5 Radiographs - This task is being supported by the personnel assigned to Task II!. The final report for this task has been written, and has been submitted to CG&E Technical Coordinator for distribution. This task is essentially complete.
- Task 6 Cable Separation - This task is currently staffed with 6 people, working mainly on the cable tray system walkdown in the Aux. Building and the reinspection of power trays in the Aux. and Reactor Building. This task is currently estimated to be 73% complete.
- Task 7 Nonconformance Reports - This task is currently staffed with 9 people working mainly on the Voided NR and Surveillance Report (SR) review. This task is currently estimated to be 71% complete.
- Task 8 Design Control and Verification - This task was originally supported by Sargent and Lundy (S&L). A draft report has been written by CG&E QCP and is being sent to NED for review. This task is currently estimated to be 99% complete.
- Task 9 Design Document Changes - This task is currently staffed with 12 people, working mainly on the review of DDC's and inspection of cable tray hangers in the Control Room. This task is currently estimated to be 43% complete. (Not including Subtask III)
- Task 10 Subcontractor/QA Program - This task is currently staffed with 2 people, working on the evaluations of past audits reviewed of subcontractors. This task is currently estimated to be 79% complete.
- Task 11 Audits - This task is staffed with the same personnel as Task 10. The audit review has been completed and evaluations are being done. Matrices have been completed for the subcontractors under the scope of Task XI. This task is currently estimated to be 85% complete.

QUALITY CONFIRMATION PROGRAM

STATUS

AS OF FEBRUARY 28, 1983

QUALITY CONFIRMATION PROGRAM

TASK I: STRUCTURAL STEEL

ITEMS WORKED THIS MONTH

- A. 125 BEAMS WERE INSPECTED IN THE ROOF STEEL 591' AREA. 19 BEAMS WERE ACCEPTED. 106 BEAMS HAD DEFICIENCIES.
- B. 24 END CONNECTIONS WERE INSPECTED IN THE SERVICE WATER PUMP STRUCTURE WITH 9 END CONNECTIONS BEING ACCEPTABLE AND 15 END CONNECTIONS WITH DEFICIENCIES.
- C. 23 SPECIFIC NR'S AND 9 GENERIC NR'S WERE WRITTEN COVERING THOSE ITEMS WITH DEFICIENCIES.
- D. 13 WORK REQUESTS WERE SENT TO NPD FOR PROCESSING. NONE OF THESE WORK REQUESTS HAVE BEEN ISSUED.
- E. PROCEDURE 19-QA-34 WAS REVISED TO MAKE THE DOCUMENTATION PROCESS MORE EFFICIENT.
- F. 4 TRAINING CLASSES WERE GIVEN COVERING ITEMS UNDER TASK I (I.E., INSPECTION, WRITING OF NR'S).
- G. MEETINGS ARE BEING HELD TWICE A WEEK WITH CATALYTIC TO HELP EXPEDITE THE WORK REQUESTS SUBMITTED BY TASK I.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
1) DRYWELL LESS 525 ELV.	322	0	322	0	100	0	0
2) REACTOR AUX. SVC. WATER BLDG.	2,992	132	2,102	6	71	439	1,963
3) CONTROL RM. HVAC SPTS	105	0	49	0	47	0	336
TOTAL	3,419	132	2,473	3	72	439	2,299

QUALITY CONFIRMATION PROGRAM

TASK I (CONT'D.)

NONCONFORMANCE SUMMARY

AREA	TOTAL NR'S WRITTEN	NR'S DISPOSITIONED	NR'S () CLOSED/CANCELLED	NR'S () PEND'G. CANCELL.	GENERIC NR'S	TOTAL* DEFICIENCIES	DEFICIENCIES *			
							AAI	REW.	REP.	REJ
DRYWELL	315	261	8 (10)	37 (98)	0	774	49	793	16	0
GALLERY STL.	47	41	0 (0)	1 (1)	0	85	2	73	2	0
CONTROL RM. 567' 5"	36	17	12 (12)	2 (5)	4	30	8	9	2	0
SWITCH GR. 567' 5"	44	27	0 (0)	11 (22)	2	60	11	28	12	0
SWITCH GR. 546'	98	77	7 (7)	1 (2)	8	111	24	74	9	0
SWITCH GR. 536' 0"	15	8	0 (0)	0 (0)	10	16	7	3	1	0
ROOF STEEL	38	21	0 (0)	0 (0)	3	34	15	1	2	0
HVAC	57	0	0 (0)	0 (0)	0	345	0	0	0	0
CABLE SPREAD	92	68	0 (2)	2 (2)	9	98	46	40	11	0
FOOT CONN.	253	-			0		139	88	15	
TOTAL	995	520	27 (31)	54 (130)	36	1,553	301	1021	70	0

* THIS FIGURE DOES NOT REPRESENT NR'S CANCELLED, CLOSED OR PENDING CANCELLATION.

() TOTAL NUMBER OF DEFICIENCIES.

COMMENTS AND CONCERNS

- A. THE RANDOM SAMPLE INSPECTION OF 100 CONNECTIONS IN THE SERVICE WATER BUILDING IS CONTINUING.
- B. THE SLOW PROCESSING OF WORK REQUESTS AND THE LACK OF TIMELY SUPPORT BY THE CONTRACTOR IS STILL IMPACTING TASK I INSPECTIONS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
QUALITY SPECIALISTS	2
DOCUMENT REVIEWERS	4
INSPECTORS	11
TOTAL	<u>18</u>

STATUS

THIS TASK IS APPROXIMATELY 72% COMPLETE.

ESTIMATED COMPLETION DATE

MAY 1, 1983.

QUALITY CONFIRMATION PROGRAM

TASK II: WELD QUALITY

ITEMS WORKED THIS MONTH

- A. REVIEWED 68 SMALL BORE PACKAGES FOR WELD ROD HEAT TRACEABILITY. 3 NR'S WERE WRITTEN AGAINST AREAS SUCH AS: DISCREPANCIES BETWEEN DOCUMENTATION AND DRAWINGS, DUPLICATION OF WELD NUMBERS, AND ALTERED HEAT NUMBERS ON THE DOCUMENTATION.
- B. A REREVIEW OF 2 WELD PROCEDURES WAS DONE. (SEE ITEM A ' COMMENTS AND CONCERNS) TWO CER'S WERE WRITTEN.
- C. THREE NR'S WERE REVISED THIS MONTH.
- D. PROCEDURE 19-QA-21 (WELDER QUALIFICATION) WAS REWRITTEN AND SUBMITTED FOR REVIEW AND COMMENT. PROCEDURE WAS REWRITTEN TO INCORPORATE THE REQUIREMENTS OF CAR 83-03 WRITTEN AGAINST HJK.
- E. SEVEN CER'S WERE WRITTEN ON WELDER PERFORMANCE QUALIFICATION.
- F. 36 MANHOURS SPENT ON THE SURVEILLANCE OF KAISER WELD PROCEDURE REVIEW.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
1)STRUCT KE-1 REVIEW	11,000	0	11,000	0	98	0	416
2)SM BORE PIPE	32,000	0	25,878	0	79	0	714
	(Appx.)						
3)LG BORE PIPE	9,400 (380 PSK'S)	0	0	0	0	0	1373
4)WELD PRO- CEDURE REVIEW	91 (PROCEDURES) 121 REV'S	0	36	0	40	0	1309
4A) REREVIEW	91	2	2	0	0	160	
5) WELDER QUAL.	4,600	0	2,574	0	55.9	0	1196
6)WELD ROD CONTROL	0	0	0	0	0	0	416
7)FINAL REVIEW	2,725	68	68	2.5	2.5	104	2500
ΣL	59,846	70	39,558	.3	70	264	7924

QUALITY CONFIRMATION PROGRAM

TASK II (CONT'D.)

NONCONFORMANCE SUMMARY

217 NR'S GENERATED TO DATE
70 CER'S GENERATED TO DATE

COMMENTS AND CONCERNS

- A. A REREVIEW BY HJK AND QCP OF SPPM'S STARTED IN FEBRUARY.
- B. WELDER QUALIFICATION REVIEW HAS NOT STARTED DUE TO THE NUMBER OF QUALITY QA DOCUMENTS RECEIVED FROM HJK'S WELDING DEPARTMENT. STATUS SHALL BE DETERMINED AFTER ALL WELDER RECORDS HAVE BEEN TRANSFERRED, SORTED AND FILED IN THE APPROPRIATE WELDER PACKAGES. HJK HAS NOT COMPLETED SORTING OR FILING DOCUMENTS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATORS	1
INSPECTORS	0
DOCUMENT REVIEWERS	4
CLERKS	1
TOTAL	<u>6</u>

STATUS

- * DUE TO THE AMOUNT OF ORIGINAL QUALITY QA DOCUMENTATION RETRIEVED FROM HJK'S WELDING DEPARTMENT IN THE AREA OF WELD PROCEDURES AND WELDER QUALIFICATION RECORDS, AREA 5 UNDER SUMMARY OF TASK IS INDETERMINATE UNTIL ALL AREAS OF CONCERN IN HJK'S WELDING DEPARTMENT HAVE BEEN REVIEWED FOR ORIGINAL QUALITY DOCUMENTS, TRANSMITTED TO HJK'S VAULT, REVIEWED AND SORTED INTO THE APPROPRIATE PACKAGES.

ESTIMATED COMPLETION DATE

- COMPLETION OF THE FINAL REVIEW OF SMALL BORE WELD ROD HEAT TRACEABILITY TO 19-QA-14 IS JUNE 1983.
- * COMPLETION OF WELDER PERFORMANCE QUALIFICATION TEST INDETERMINATE DUE TO STATUS ABOVE.
 - * COMPLETION OF WELD PROCEDURE INDETERMINATE DUE TO STATUS ABOVE.

QUALITY CONFIRMATION PROGRAM

TASK III: HEAT NUMBER TRACEABILITY

ITEMS WORKED THIS MONTH

- A. 24 PURCHASE ORDERS WERE REVIEWED BY TASK III. 11 OF THESE P.O.'S WERE RETURNED TO HJK DUE TO DEFICIENCIES MISSED IN THEIR INITIAL REVIEW. 8 OF THESE WERE CORRECTED AND RETURNED. THE TOTAL NUMBER OF P.O.'S ACCEPTED THIS MONTH IS 21.
- B. 37 GAMMA PLUGS WERE INSPECTED, AND ALL 37 WERE REJECTED. THESE ARE BEING REPORTED ON DEFICIENCY DOCUMENTS.
- C. MEETINGS WERE HELD WITH HJK TO DEFINE METHODS OF DOCUMENTATION REVIEW FOR HEAT NUMBER TRACEABILITY FOR SMALL BORE PIPING.
- D. 6 NR'S WERE REVISED THIS MONTH.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
BORE	2691 ISK	0	52	0	2	0	2494
SM. BORE WALKDOWN	2691 ISK	0	2691	0	100	0	0
B) LG. BORE DOC. (Appx)	380 PSK	0	0	0	0	0	4000
LG. BORE WALKDOWN (Appx)	380 PSK	0	0	0	0	0	1000
C) PURCHASE ORDER REVIEW	2728	21	103	1	40	230	2386
D) HJK STRCTL. STEEL PO'S ESS/NONESS	1940	0	1940	0	95	0	40
E) GAMMA PLUG 50.55(e)M-56	409	37	344	9	84	120	80
TOTAL	11,219	58	5,130	.5	45	350	10,000

NONCONFORMANCE SUMMARY

THERE ARE 8 GENERIC NR'S COVERING GAMMA PLUGS AND 1 GENERIC NR COVERING SMALL BORE HEAT NUMBER TRACEABILITY.

QUALITY CONFIRMATION PROGRAM

TASK III (CONT'D.)

COMMENTS AND CONCERNS

- A. 46 GAMMA PLUGS HAVE BEEN DETERMINED TO BE BURIED, AND 3 ARE ENCASED IN CONCRETE. 10 GAMMA PLUGS HAD BEEN REMOVED, REDUCING THE TOTAL NUMBER OF PLUGS FROM 419 TO 409.
- B. A METHOD OF SURVEILLING THE H. J. KAISER N-5 PROGRAM IS BEING DEVELOPED. RECOMMENDATIONS HAVE BEEN MADE OUTLINING A PROGRAM AND DEFINING NECESSARY INTERFACES.
- C. PROGRAM DEFICIENCIES IDENTIFIED IN HJK'S REVIEW OF SMALL BORE PIPING TRACEABILITY ARE BEING RESOLVED BY HJK.
- D. HJK HAS NOT GIVEN A DATE TO BEGIN THEIR REVIEW OF SMALL BORE PIPING TRACEABILITY. TASK III HAS AN APPROVED PROGRAM TO CONFIRM SMALL BORE TRACEABILITY FOLLOWING HJK REVIEW.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
TASK LEAD	1
INSPECTOR	1
DOCUMENT REVIEWERS	<u>5</u>
TOTAL	8

STATUS

THIS TASK IS 45% COMPLETE

ESTIMATED COMPLETION DATE

DECEMBER 31, 1983

QUALITY CONFIRMATION PROGRAM

TASK IV: SOCKET WELD DISENGAGEMENT

ITEMS WORKED THIS MONTH

A. 200 SMALL BORE PACKAGES WERE REVIEWED. 11 NR'S WERE WRITTEN COVERING DEFICIENCIES SUCH AS: DUPLICATED WELD NUMBERS AND ALTERATIONS OF WELD SYMBOLS.

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
INITIAL REVEIW SOCKET WELD DISENGAGEMENT	32,000	0	29,821	0	98	0	240
FINAL REVIEW	2,725	200	200	9	17.9	220	2200
TOTAL	34,725	200	31,021	.01	98	220	2440

NONCONFORMANCE SUMMARY

142 NR'S AND 1 CER HAVE BEEN WRITTEN TO DATE.

COMMENTS AND CONCERNS

A. THE FINAL REVIEW OF SMALL BORE PACKAGES STARTED OVER THIS MONTH. THE REASON FOR THE RESTART WAS THAT ALL WELDS WERE COUNTED, INSTEAD OF JUST SOCKET WELDS AND CLARIFICATION OF EXISTING WELDS WITH THE OLD ISK'S WAS REQUIRED.

MANPOWER SUMMARY

	<u>ACTUAL</u>
DOCUMENT REVIEWERS	<u>2</u>
TOTAL	2

STATUS

THIS TASK IS 98% COMPLETE.

ESTIMATED COMPLETION DATE

AN ESTIMATED COMPLETION DATE FOR THE SECOND REVIEW IS APRIL, 1983

QUALITY CONFIRMATION PROGRAM

TASK V: RADIOGRAPHS

ITEMS WORKED THIS MONTH

A. THE FINAL REPORT WAS WRITTEN IN JANUARY AND SUBMITTED TO THE CG&E TECHNICAL COORDINATOR.

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED - THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
RADIOGRAPHY REVIEW	4250	0	4250	0	100	0	0
RADIOGRAPHS PHASE II	46	0	46	0	100	5	0
TOTALS	4296	0	4296	0	100	5	0

NONCONFORMANCE SUMMARY

N/A

COMMENTS AND CONCERNS

N/A

MANPOWER SUMMARY

PERSONNEL ASSIGNED TO TASK III SUPPORT THIS ACTIVITY.

STATUS

THIS TASK IS ESSENTIALLY COMPLETE, PENDING ACCEPTANCE

ESTIMATED COMPLETION DATE

N/A

QUALITY CONFIRMATION PROGRAM

TASK VI: CABLE SEPARATION

ITEMS WORKED THIS MONTH

- A. 410 TRAY SECTIONS (2510 UNITS) WERE INSPECTED IN THE AUXILARY BUILDING. THIS INVOLVED 897 UNITS OF REINSPECTED POWER TRAYS AND 1613 UNITS OF ONGOING CABLE TRAY INSPECTION.
- B. 69 NR'S WERE GENERATED COVERING ELECTRICAL SEPARATION VIOLATIONS FOR TRAY TO TRAY, TRAY TO CONDUIT AND TRAY OVERFILL.
- C. 60 NR'S WERE RETAGGED DUE TO DISPOSITIONS OF NR'S BEING COMPLETED OR REDISPOSITION OF NR'S BEING DONE.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
CABLE TRAYS (See Note C)	1903(TR) 12446(UN)	1613(UN)	7100(UN)	18	79	624	2636*
P. OF POWER TRAYS	575(TR) 3508(UN)	897(UN)	897(UN)	25.6	25.6	240	*
PANELS (See Note D)	8951 CABLES (35804 UN)		SEE NOTE B-COMMENTS AND CONCERNS				0
SLEEVE & FLR.PENET.	182		SEE NOTE A-COMMENTS AND CONCERNS				1880
ASSOC. CABLES	392	0	392	0	100	0	0
TOTAL	**16,528	2,510	83	2	73	864	4,516

- * MANHOURS GIVEN FOR CABLE TRAY INSPECTION, COVER REINSPECTION OF POWER TRAYS.
- ** TOTAL DOES NOT INCLUDE PANELS (SEE COMMENT B)

NONCONFORMANCE SUMMARY

- A. A TOTAL OF 1104 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN FOR SEPARATION, IDENTIFICATION, AND ROUTING DEFICIENCIES. 593 NR'S DISPOSITIONED (317 REWORK, 59 REPAIR, 217 ACCEPT-AS-IS). 232 OF THE 593 DISPOSITIONED NR'S HAVE BEEN CLOSED. 16 NR'S WERE CANCELLED BECAUSE OF DUPLICATION. 495 NR'S HAVE NOT BEEN DISPOSITIONED.

QUALITY CONFIRMATION PROGRAM

TASK VI (CONT'D.)

COMMENTS AND CONCERNS

- A. DUE TO CRITERIA CHANGES, A PROCEDURE IS BEING PREPARED FOR THE REINSPECTION OF SLEEVES AND FLOOR PENETRATIONS.
- B. THE INSPECTION OF CLASS IE PANELS AND CABLES IN AIR HAS BEEN ASSIGNED TO S&L, NED AND HJK IN A JOINT EFFORT, WHICH WILL CONSEQUENTLY REMOVE THIS INSPECTION FROM THE SCOPE OF QCP TASK VI.
- C. STATUS OF THE SIX EXAMPLES OF LACK OF SEPARATION: (2) CORRECTED, (1) IN PROCESS OF BEING REWORKED, (2) ACCEPTED BY ENGINEERING, AND (1) IDENTIFIED ON AN NR.
- D. 100% REINSPECTION OF POWER TRAYS IN CATEGORY I STRUCTURES DUE TO THE ISSUANCE OF DDC SLE-556 REV. A (MORE STRINGENT INSPECTION CRITERIA). THE 575 POWER TRAYS AFFECTED CONSTITUTES 28% OF THE TOTAL CABLE TRAY INSPECTION.

MANPOWER SUMMARY

ACTUAL

TASK COORDINATOR/QUALITY ENGINEER	1
LEAD INSPECTOR	1
INSPECTOR	3
DOCUMENTATION (NR'S & SCOPING PKGS.)	<u>1</u>
TOTAL	6

STATUS

73% COMPLETE

ESTIMATED COMPLETION DATE

JUNE 1, 1983.

QUALITY CONFIRMATION PROGRAM

TASK VII: NONCONFORMANCE REPORTS

ITEMS WORKED THIS MONTH

- A. 20 VOIDED NR'S WERE INITIALLY REVIEWED AND 67 VOIDED NR'S WERE FINAL REVIEWED. OF THOSE 67 VOIDED NR'S FINAL REVIEWED, 18 WERE REJECTABLE, AND WERE PLACED ON "Q" NR'S.
- B. 867 SURVEILLANCE REPORTS (SR'S) WERE INITIALLY REVIEWED AND 100 SR'S WERE FINAL REVIEWED. OF THOSE 100 SR'S FINAL REVIEWED, 8 WERE REJECTABLE AND WRITTEN UP ON NR'S.
- C. COMMENTS MADE DURING VOIDED NR REVIEW COMMITTEE MEETINGS 006 AND 007 ARE BEING RESOLVED. 90 OF THE 100 NR'S INVOLVED HAVE BEEN ANSWERED THE REMAINING 10 NR'S ARE STILL BEING INVESTIGATED BY TASK VII PERSONNEL.
- D. QCP COMMENTS ON PROCEDURE 19-QA-20, REVIEW OF PREOPERATION PUNCH-LIST ITEMS, HAVE BEEN RESOLVED AND THE PROCEDURE HAS BEEN FORWARDED TO THE QA PROCEDURE GROUP.
- E. APPROXIMATELY 50 HOURS WERE EXPENDED FOR ONGOING TRAINING OF TASK VII PERSONNEL.
- F. TRAINING WAS GIVEN TO THE CG&E AND HJK QUALITY ENGINEERS DESIGNATED AS REPRESENTATIVES TO THE VOIDED NR REVIEW COMMITTEE.
- G. A PROCEDURE COVERING THE NRC CONCERNS REGARDING TAGGING OF HARDWARE AFFECTED BY VOIDED NR'S WAS WRITTEN AND SUBMITTED TO THE PROCEDURE GROUP.
- H. TASK VII PARTICIPATED IN 2 PROCEDURE REVIEW BOARDS.
- I. 2 MEETINGS WERE HELD WITH HJK CONCERNING NOTIFICATION OF PAST QC INSPECTORS.

QUALITY CONFIRMATION PROGRAM

TASK VII (CONT'D.)

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
VOIDED NR REVIEW INITIAL	1318	20	1198*	1.5	90.9	100	309
VOIDED NR REVIEW SECONDARY	1318	67	778	5	59	150	186
SURVEILLANCE REPORT REVIEW INITIAL	3300	867	3190	26	96	241	59
SURVEILLANCE REPORT REVIEW SECONDARY	3300	100	123	.03	1.03	250	4750
PUNCHLIST REVIEW	APPX 25,000	0	4618	0	18	0	923
CLOSED NR FROM W	300	0	50	0	16.66	0	145
NR'S FROM INSPECTORS	UNKNOWN	0	0	(NO NR'S RECEIVED THIS MONTH)			-
TOTAL	34,536	1,054	9,957	4.6	71	741	6,372

* LAST MONTH, REPORTED ITEMS COMPLETED TO DATE AS 1278 THIS WAS A TYPO. SHOULD HAVE BEEN 1178.

NONCONFORMANCE SUMMARY

57 NR'S HAVE BEEN WRITTEN TO DATE. 43 NR'S HAVE BEEN DISPOSITIONED. 32 ACCEPT AS IS, 16 REWORK, 1 REPAIR, 0 REJECT. (NOTE: SOME NR'S HAVE MULTIPLE DISPOSITIONS). 4 NR'S HAVE BEEN CLOSED.

COMMENTS AND CONCERNS

- A. QCP IS STILL AWAITING THE RETURN OF 26 VOIDED NR'S SUBMITTED TO KAISER FOR INVESTIGATION.
- B. "PERCENT COMPLETED TO DATE" AND "THIS MONTH" NOW REFLECT WORK ACCOMPLISHED AGAINST 1318 VOIDED DOCUMENTS. ALL VOIDED DOCUMENTS (LESS THE 120 MISSING UNIDENTIFIED VOIDED DOCUMENTS NOT IN THE POSSESSION OF TASK VII) HAVE RECEIVED AN INITIAL REVIEW. SECONDARY REVIEW OF THESE DOCUMENTS WILL CONTINUE TO BE ACCOMPLISHED TO THE PRIORITIES IDENTIFIED IN SITE COMMUNIQUE NO. 21.

QUALITY CONFIRMATION PROGRAM

TASK VII (CONT'D.)

C. 3,190 SR'S HAVE BEEN CLASSIFIED AS TO DISCIPLINE AND LOGGED BY TASK VII. COPIES OF THESE SR'S ARE IN THE POSSESSION OF TASK VII. OF THE 938 SR'S REPORTED AS NOT IN THE POSSESSION OF TASK VII, 867 HAVE BEEN LOCATED WITH THE REMAINDER BEING RESEARCHED FOR LOCATION BY THE HJK DOCUMENT CENTER.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
DOCUMENT REVIEWERS	<u>8</u>
TOTAL	9

STATUS

THIS TASK IS APPROXIMATELY 71% COMPLETE.

ESTIMATED COMPLETION DATE

JUNE 1, 1983

QUALITY CONFIRMATION PROGRAM

TASK VIII: DESIGN CONTROL AND VERIFICATION

ITEMS WORKED THIS MONTH

- A. THE DRAFT REPORT IS BEING REVIEWED BY N.E.D. TO DATE NO COMMENTS HAVE BEEN RECEIVED.

SUMMARY OF TASK

DRAFT REPORT IS UNDER REVIEW

NONCONFORMANCE SUMMARY

N/A

COMMENTS AND CONCERNS

N/A

MANPOWER SUMMARY

THIS TASK IS SUPPORTED BY THE QCP ADMINISTRATIVE STAFF

STATUS

THIS TASK IS APPROXIMATELY 99% COMPLETE

ESTIMATED COMPLETION DATE

MARCH 15, 1983

QUALITY CONFIRMATION PROGRAM

TASK IX: DESIGN DOCUMENT CHANGES

ITEMS WORKED THIS MONTH

- A. TASK IX IS PARTICIPATING ON AN AS-NEEDED BASIS ON A STRUCTURAL DDC NR REVIEW BOARD TO FACILITATE THE DISPOSITIONING OF DOCUMENT DEFICIENCIES IDENTIFIED BY TASK IX. LAST MONTH 1 MEETING WAS ATTENDED.
- B. CLASSIFICATION OF SEVEN (7) DDC'S WAS PERFORMED AS PART OF PHASE I AND PHASE IA, AND REVIEW OF 208 DDC'S WAS PERFORMED AS PART OF PHASE II AND IIA.
- C. 109 NR'S WERE WRITTEN COVERING MISSING DOCUMENTATION AND DDC'S NOT BEING INCORPORATED INTO THE DOCUMENTATION.
- D. 7 HJK PROCEDURES WERE REVIEWED TO DETERMINE IF THE PROCEDURES ADDRESS THE CONCERNS OF TASK IX. THIS IS BEING DONE TO EXPEDITE CER'S WRITTEN BY THIS TASK. WE ARE CURRENTLY INVESTIGATING THE POSSIBILITY OF A MORE COMPREHENSIVE PROGRAM TO ADDRESS THE CONCERNS COVERED BY THE CER'S.

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
PHASE I	19,711	4	18,733	0	95	1	78
PHASE II	9,111	108	3,876	1	43	482	11,979
PHASE IA	2,600	3	854	0	33	1	139
PHASE II A	2,200	100	605	4.15	28	150	4,074
TOTAL	33,622	215	24,068	1	43	634	16,270

NONCONFORMANCE SUMMARY

<u>PROBLEM/DEFICIENCY</u>	<u>ELECT.</u>	<u>MECH.</u>	<u>STRUCT.*</u>	<u>TOTAL</u>
1. MISSING DOCUMENTATION	32	-	434	466
2. DDC MIS-CLASSIFICATION	13	-	3	16
3. INSPECTION PROGRAM DEFICIENCIES & MISC.	51	-	38	89
4. DDC NOT INCORPORATED IN DOCUMENTATION	103	10	443	556
5. INSPECTION PRIOR TO BEING WRITTEN (AS-BUILT)	3	-	-	3
6. INCOMPLETE INSPECTION	8	-	22	30
TOTAL	210	10	940	1,160

QUALITY CONFIRMATION PROGRAM

TASK IX - CONT'D.

* INCLUDES WY&B DDC'S

COMMENTS & CONCERNS

- A. TASK IX IS STILL WAITING FOR HJK TO RESPOND TO CAR'S IN ORDER TO COMPLETE SOME DDC REVIEWS. IN LIEU OF THIS, TASK IX IS INVESTIGATING OTHER POSSIBILITIES. SEE ITEM "D" FOR "ITEMS WORKED THIS MONTH".
- B. S&L WILL ISSUE A COMPLETE COMPUTER LISTING OF DDC'S BY MARCH 31, 1983. HOWEVER, THIS COMPUTER LIST WILL NOT CONTAIN THE STATUS OF CONSTRUCTION AS REQUIRED BY THE TASK, SO OTHER ALTERNATIVES ARE BEING INVESTIGATED.

MANPOWER SUMMARY

	PHASES I, II, IA, IIA
ENGINEERS (INCLUDING TASK COORDINATOR)	3
DOCUMENT REVIEWERS	3
CLERKS	<u>1</u>
TOTAL	7

STATUS

PHASE I AND II - 46% COMPLETE
PHASE IA AND IIA - 28% COMPLETE
THE OVERALL TASK IS 43% COMPLETE (DOES NOT INCLUDE PHASE III).

ESTIMATED COMPLETION DATE

PHASE I, II, IA, IIA - SEPTEMBER 30, 1983

QUALITY CONFIRMATION PROGRAM

TASK IX, SUBTASK III

CABLE TRAY HANGERS, CONDUIT HANGERS AND
CONDUITS IN THE MAIN CONTROL ROOM

ITEMS WORKED THIS MONTH

- A. PREPARE PROCEDURE 19-QA-32, CABLE TRAY HANGER INSPECTION (MAIN CONTROL ROOM) ESTIMATED APPROVAL DATE MARCH 14, 1983.
- B. PREPARE INSPECTION PACKAGES FOR CABLE TRAY HANGER INSPECTION.
- C. REVIEW 250 DESIGN DOCUMENT CHANGES FOR APPLICABILITY TO SUBTASK III.
- D. 13 NONCONFORMANCE REPORTS WRITTEN COVERING AREAS SUCH AS: DAMAGED FLEX, MINIMUM BEND RADIUS VIOLATIONS, INCORRECT HANGER INSTALLATIONS.
- E. 3 CONDITION EVALUATION REPORTS WRITTEN AGAINST: ANCHOR TORQUING, WELD SYMBOL DISCREPENCIES, AND NR PROCESSING.
- F. TWO MEETINGS HELD WITH S&L CONCERNING WELD AND SEISMIC CRITERIA. WELD CRITERIA FOR THE CONTROL ROOM BEING ISSUED BY S&L IN THE FORM OF A DDC. DDC TO BE ISSUED BY MARCH 3, 1983. SEISMIC CRITERIA FOR THE CONTROL ROOM TO BE ISSUED BY S&L IN THE FORM OF A DDC ON MARCH 7, 1983.
- G. WORK REQUEST #83-09 ISSUED FOR REMOVAL OF FIREPROOFING, GALVANOX AND PROVIDING SCAFFOLDING AS NECESSARY IN THE CONTROL ROOM. TO DATE THIS WORK HAS NOT BEEN STARTED.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
INSPECTION	714	0	124*	0	17.3*	0	8,000
LEVEL II DOC. REVIEW	714	0	121*	0	17 *	0	2,000
ADMINISTRATIVE (SEE NOTE)	-	-	-	-	-	783	-
TOTAL	1,428	0	245*	0	17 *	783	10,000

NOTE: ADMINISTRATIVE INCLUDES NR AND CER PREPARATION AND PROCESSING, PROCEDURE PREPARATION, INSPECTION PACKAGE PREPARATION, DDC REVIEW, MEETINGS ATTENDED, ETC.

* THE REPORTED FIGURES OF 124 & 17.3%, 121 & 17.0% REFLECT PARTIAL INSPECTIONS THAT HAVE BEEN COMPLETED.

QUALITY CONFIRMATION PROGRAM

TASK IX, SUBTASK III (CONT'D.)

NONCONFORMANCE SUMMARY

TOTAL NUMBER OF NONCONFORMANCES, CER'S CAR'S WRITTEN TO DATE:
NONCONFORMANCE REPORTS - 18, NONE DISPOSITIONED TO DATE.
CONDITION EVALUATION REQUESTS - 15, 8 OF THESE CER'S HAVE BEEN
TURNED INTO CAR'S
4 CER'S HAVE BEEN ANSWERED AS "CONDITION ACCEPTABLE".
3 CER'S HAVE NOT BEEN DISPOSITIONED.

COMMENTS AND CONCERNS

A. IT IS ESTIMATED THAT INSPECTION OF THE CABLE TRAY HANGERS IN THE
CONTROL ROOM WILL BEGIN THE WEEK OF MARCH 7, 1983. THIS IS CON-
TINGENT UPON ITEMS A, G AND H OF "ITEMS WORKED THIS MONTH".

MANPOWER SUMMARY

INSPECTOR	3
DOC. REVIEWER	<u>2</u>
TOTAL	5

STATUS

* 17% COMPLETE. (SEE * PRECEDING PAGE)

ESTIMATED COMPLETION DATE

MAY 31, 1983

QUALITY CONFIRMATION PROGRAM

TASK X: SUBCONTRACTOR QA PROGRAMS

ITEMS WORKED THIS MONTH

- A. PROCEDURE 19-QA-40 (SUBCONTRACTOR QA PROGRAMS) WAS SUBMITTED FOR FORMAL PROJECT REVIEW AND COMMENT. COMMENTS ARE BEING RESOLVED. (SEE ITEM A UNDER "COMMENTS AND CONCERNS").
- B. A REVIEW OF TASK X WAS CONDUCTED TO DETERMINE THE VALIDITY OF THE PLACEMENT OF SUBCONTRACTORS IN TASK X, RESULTS OF WHICH CULMINATED IN THE DELETION OF ONE SUBCONTRACTOR FROM TASK X AND THE TRANSFER OF TWO SUBCONTRACTORS TO TASK XI. (SEE ITEM B UNDER "COMMENTS AND CONCERNS").
- C. DATA IS BEING ACCUMULATED TO SUPPORT THE EVALUATIONS TO BE DONE. EXAMPLES OF DATA BEING ACCUMULATED ARE: SPECIFICATIONS, PURCHASE ORDERS AND WORK SHEETS.

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
SUBCONTRACTOR AUDITS	76	0	76	0	100	0	0
AUDIT REVIEW SHEETS	76	0	76	0	100	0	0
SUBCONTRACTOR MATRICES	11	0	11	0	100	0	0
SUBCONTRACTOR EVALUATIONS	87	0	0	0	0	0	800
TOTAL	250	0	163	0	79	0	800

NONCONFORMANCE SUMMARY

N/A

COMMENTS AND CONCERNS

- A. A MEETING HAS BEEN SET UP TO RESOLVE THE COMMENTS AND CONCERNS GIVEN BY QUALITY ENGINEERING ON PROCEDURE 19-QA-40.

QUALITY CONFIRMATION PROGRAM

TASK XI: AUDITS

ITEMS WORKED THIS MONTH

- A. A REVIEW OF TASK XI WAS PERFORMED BY TASK PERSONNEL. THIS WAS DONE IN CONJUNCTION WITH THE TASK X REVIEW. TWO SUBCONTRACTORS HAVE BEEN ADDED TO THE SCOPE OF TASK XI.
- B. TASK XI HAS BEGUN TO PERFORM FUNCTIONAL EVALUATIONS OF THE HJK AUDIT HISTORY TO DETERMINE THE POTENTIAL IMPACT ON THE KAISER ORGANIZATION.
- C. 7 MATRICES WERE DEVELOPED FOR THE ORGANIZATIONS INVOLVED IN THE SCOPE OF TASK XI.

SUMMARY OF TASK

<u>AREA</u>	<u>TOTAL # OF ITEMS</u>	<u>ITEMS COMPLETED THIS MONTH</u>	<u>ITEMS COMPLETED TO DATE</u>	<u>PERCENT COMPLETED THIS MONTH</u>	<u>PERCENT COMPLETED TO DATE</u>	<u>MANHOURS EXPENDED THIS MONTH</u>	<u>MANHOURS REMAINING</u>
AUDITS	329	0	329	0	100	0	0
ORGANIZATIONS	7	0	5	0	100	0	0
REVIEWS	329	0	329	0	100	0	0
MATRICES	7	7	7	100	100	70	0
EVALUATIONS	329	0	0	0	0	0	1400
TOTAL	1009	7	670	2	85	70	1400

NONCONFORMANCE SUMMARY

N/A

COMMENTS AND CONCERNS

- A. A PROCEDURE FOR TASK XI EVALUATION PHASE IS CURRENTLY UNDERGOING TASK XI REVIEW AND MODIFICATION. THIS PROCEDURE 19-04-41 WILL BE REVISED AND SUBMITTED FOR INTERNAL OCP REVIEW AND INPUT.
- B. REVIEW SHEETS HAVE BEEN COMPLETED FOR EACH AUDIT.

MANPOWER SUMMARY

SUPPORTED BY TASK X PERSONNEL

QUALITY CONFIRMATION PROGRAM

TASK XI (CONT'D.)

STATUS

THIS TASK IS 85% COMPLETE.

ESTIMATED COMPLETION DATE

JUNE 1, 1983.