

QUALITY CONFIRMATION PROGRAM

STATUS

(AS OF DECEMBER 31, 1982)

BY

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QUALITY CONFIRMATION PROGRAM

QUALITY CONFIRMATION PROGRAM

TASK I: STRUCTURAL STEEL

ACTION BEING TAKEN

- A. 100% VISUAL INSPECTION OF ACCESSIBLE STRUCTURAL STEEL BEAM FIELD WELDS, BRISTOL SHOP WELDS, RE-ENTRANT CORNERS AND WELDED CABLE TRAY FOOT CONNECTIONS.
- B. 100% OF ALL BEAMS INSPECTED ARE COMPARED TO THE DESIGN DRAWINGS AND DESIGN DOCUMENT CHANGES (DDC'S).
- C. 100% VISUAL INSPECTION OF HVAC SUPPORTS IN THE CONTROL ROOM.

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 SRV WATER BLDG	*2992	0	1921	0	65	0	2426
3) CONTROL RM HVAC SPTS	105	0	49	0	47	0	336
TOTAL	3419	0	2292	0	67	0	2762

CURRENT STATUS AND RESULTS

1. NONCONFORMANCE (NR) SUMMARY

AREA	NR'S WRITTEN	NR'S DISPOSITIONED	GENERIC NR'S	ACCEPT AS IS	REWORK	REPAIR	REJECT
DRYWELL	310(892)	221	0	38(59)	210(775)	10(10)	0
GALLERY STL	42(49)	42	0	2(2)	42(93)	2(2)	0
CONTROL RM	38(39)	26	4	18(18)	8(8)	0	0
SWCHGR 567'5"	42(67)	33	2	8(10)	20(27)	5(10)	0
SWCHGR 546'	81(93)	70	8	23(23)	49(61)	8(9)	0
SWCHGR 536'	8(8)	5	3	0	0	0	0
CABLE SPRD 546'	82(92)	32	9	19(19)	7(12)	6(6)	0
ROOF STL 591'	25(19)	16	1	14(14)	0	2(2)	0

NOTE: NUMBERS IN PARENTHESIS ARE THE QUANTITIES OF DEFICIENCIES RECEIVING THAT TYPE OF DISPOSITION, EXCEPT IN THE "NR'S WRITTEN COLUMN" WHERE THE TOTAL DEFICIENCIES IDENTIFIED IS SHOWN.

THE ABOVE FIGURES REPRESENT ONLY THOSE NR'S ISSUED SINCE APRIL 1982, AND DOES NOT INCLUDE GENERIC NR DEFICIENCY INFORMATION OR NR'S REQUIRING CANCELLATION DUE TO DUPLICATION.

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TASK I: (CONT'D)

2. BEAMS BEING INSPECTED ARE COMPARED TO DESIGN DRAWINGS AND DESIGN DOCUMENT CHANGES AT PRESENT, THE BEAMS THAT HAVE BEEN INSPECTED, AND HAVE GONE THROUGH THE DESIGN, DOCUMENT REVIEW, APPEAR ON THE DESIGN DRAWING AND/OR A DESIGN DOCUMENT CHANGE (DDC).

COMMENTS

1. TASK I PROVIDED INSPECTORS TO PERFORM 2 INSPECTIONS FOR TASK IX ON ELECTRICAL CONDUIT SUPPORTS.
2. THE STOP WORK ORDER #82-02 STOPPING ALL WORK IN SCAFFOLDING, PAINT REMOVAL, ETC., WAS NOT LIFTED UNTIL DECEMBER 20, 1982 AND HAS PREVENTED ANY INSPECTION ACTIVITIES THIS MONTH.
3. THE WORK ORDER INTERFACE PROCEDURE QAP 19-QA-13 REV. 1 WAS ISSUED DECEMBER 12, 1982. WORK ORDER REQUESTS HAVE BEEN SUBMITTED BY QCP FOR SCAFFOLDING, PAINT REMOVAL, ETC. REQUIRED FOR THE RESUMPTION OF INSPECTION ACTIVITIES. TO DATE NO REQUESTS HAVE BEEN COMPLETED.
4. THE RANDOM SAMPLE INSPECTION OF 100 CONNECTIONS IN THE SERVICE WATER BUILDING WILL RESUME UPON COMPLETION OF THE WORK ORDER REQUEST. DEFICIENCIES NOTED THUS FAR ARE PRIMARILY COSMETIC IN NATURE.
5. TASK I EFFORTS WERE PRIMARILY DIRECTED AT RESOLVING CAR'S 82-91 AND 82-118.
6. FIVE INSPECTORS ARE ON LOAN TO QUALITY ENGINEERING.

<u>PRESENT MANPOWER SUMMARY</u>	<u>ACTUAL</u>
TASK COORDINATOR	1
QUALITY SPECIALISTS	2
INSPECTORS	12
DOCUMENT REVIEWERS	<u>5</u>
TOTAL	20

STATUS

THIS TASK IS APPROXIMATELY 69% COMPLETE.

ESTIMATED COMPLETION DATE

MARCH 1, 1983

QUALITY CONFIRMATION PROGRAM

TASK II: WELD QUALITY

ACTION BEING TAKEN

- A. PERFORM 100% REVIEW OF CODE PIPING KE-1 WELD DATA SHEETS TO DETERMINE WELD ROD HEAT NUMBERS, INSPECTION STAMPS AND DATES, IDENTIFY MISSED HOLD POINTS, AND MISSING OR ALTERED DOCUMENTATION.
- B. REVIEW OF WELD PROCEDURE AND WELDER QUALIFICATION, PAST AND PRESENT.

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 (APPX)	0	25,841	0	79	0	818
3) LG BORE PIPE (380 PSK'S)	9,400	0	0	0	0	0	1373
4) WELD PROCEDURE REVIEW (PROCEDURES) 121 REV'S	91	0	36	0	40	0	1309
5) WELDER QUAL REVIEW (DOCUMENTS)	4600	0	2574	0	55.9	0	1196
6) WELD ROD CONTROL		0	0	0	0	0	416
7) FINAL SM BORE REVIEW	2725	229	229	8.4	8.4	244	2700
TOTAL	59,846	229	39,680	8.4	70	244	8228

CURRENT STATUS AND RESULTS

1. AREA #1 - HJK TO PROVIDE CORRECTIVE ACTION TO CAR ON CONCERNS ADDRESSED.
2. AREA #2 - 19-QA-14 REVIEWED. THE FINAL REVIEW TO START JANUARY 1983.
3. AREA #3 - TO BE COMPLETED, AFTER COORDINATION WITH HJK IN THEIR NPP-1 AND N-5 PROGRAMS.
4. AREA #4 - WELD PROCEDURES WHICH HAVE BEEN CER'ED ARE ON HOLD UNTIL ALL DOCUMENTS FROM HJK WELD ENGINEERING DEPARTMENT HAVE BEEN REVIEWED AND PLACED IN PROPER PROCEDURE PACKAGES FOR REVIEW AND EVALUATION.

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TASK II: (CONT'D)

5. AREA #5 - WELDER QUALIFICATION REVIEW HAS STOPPED DUE TO THE NUMBER OF QUALITY QA DOCUMENTS BEING 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.
6. AREA #6 - WELD ROD CONTROL, NO RESULTS, DUE TO PERSONNEL BEING PLACED IN HJK'S WELD ENGINEERING DEPARTMENT TO OVERSEE THE RETRIEVAL OF QA QUALITY DOCUMENTS.
7. AREA #7 - FINAL SMALL BORE REVIEW OF DOCUMENTS GENERATED BY OCP TO 19-QA-14 TO START. ESTIMATED MANHOURS 2700, TO COMPLETE FINAL REVIEW.

TO BE RESOLVED

1. COORDINATION WITH HJK REVIEW FOR NPP-1 TO EFFECT A COORDINATED N-5 PROGRAM INCLUDING ITEM (1) IN COMMENTS SECTION.
2. CONFIRM ACCEPTABLE HEAT NUMBERS ESTABLISHED BY TASK III.

<u>MANPOWER SUMMARY</u>	<u>ACTUAL</u>
TASK COORDINATORS	1/2
INSPECTORS	0
DOCUMENT REVIEWERS	4
CLERKS	1/2
TOTAL	<u>5</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'S 4, 5 AND 6 UNDER SUMMARY OF TASK ARE INDETERMINATE, UNTIL ALL AREAS OF CONCERN IN HJK'S WELDING DEPARTMENT HAVE BEEN REVIEWED FOR ORIGINAL QA QUALITY DOCUMENTS, TRANSMITTED TO HJK'S VAULT, REVIEWED AND SORTED INTO THE APPROPRIATE PACKAGES.

ESTIMATED COMPLETION DATE

COMPLETION OF THE FINAL REVIEW 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

ACTION BEING TAKEN

- A. PERFORM A 100% REVIEW OF SMALL BORE PIPING DOCUMENTATION AND CONDUCT A FIELD WALKDOWN OF THE SYSTEMS IDENTIFIED ON THE QCP LIST OF SAFETY-RELATED AND IMPORTANT TO SAFETY SYSTEMS.
- B. PERFORM A 100% INSPECTION AND/OR REVIEW OF DOCUMENTATION OF LARGE BORE PIPING FIELD MODIFICATIONS OF SYSTEMS ON THE SAFETY-RELATED AND IMPORTANT TO SAFETY SYSTEM LIST.
- C. PERFORM A 100% REVIEW OF ALL CODE AND STRUCTURAL PURCHASE ORDERS TO ESTABLISH A LIST OF ACCEPTABLE HEAT NUMBERS.
- D. PERFORM A REVIEW OF PURCHASE ORDERS FOR STRUCTURAL STEEL AND STEEL SHAPES TO DETERMINE IF PURCHASED ESSENTIAL OR NONESSENTIAL (THESE P.O.'S SHALL BE PART OF ACTION C). RESULTS OF THE REVIEW WILL BE USED TO ANSWER TASK 1 CONCERNS REGARDING ACCEPTABILITY OF STRUCTURAL STEEL.
- E. PERFORM INSPECTION AND REVIEW OF GAMMA PLUGS TO GAIN ADDITIONAL INFORMATION FOR EVALUATION AND DISPOSITION OF 10CFR50.55(E) REPORT M-56.

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
A) SM BORE DOC	2691 ISK	0	52	0	2	8	2518
SM BORE WLKDOWN	2691 ISK (APPX)	0	2691	0	100	0	0
B) LG BORE DOC	380 PSK (APPX)	0	0	0	0	0	4000*
LG BORE WLKDOWN	380 PSK	0	0	0	0	0	1000*
C) PURCHASE ORDER REVIEW	2728	17	76	.6	2.8	63	2763**
D) HJK STRCTL STEEL PO'S ESS/NONESS	1940	0	1940	0	95	0	40***
E) GAMMA PLUG 50.55(E)M-56	404	0	219	0	54	0	209
TOTAL	11,214	17	4978	.6	40	71	10,530

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TASK III: (CONT'D)

- 1) *MANHOURS BASED ON SURVEILLING THE HJK N-5 PROCESS TO OBTAIN DATA FOR QCP COMMITMENTS.
- 2) **INCLUDES STRUCTURAL STEEL PO'S IDENTIFIED IN ACTION D.
- 3) ***5% REMAINING TO COMPLETE IS TO PERFORM FINAL REVIEW.

CURRENT STATUS AND RESULTS

1. 4 PO'S WERE REVIEWED AND REJECTED BACK TO HJY DUE TO DEFICIENCIES MISSED IN THEIR REVIEW. ITEMS COMPLETED REPRESENTS CONFIRMED PO'S ONLY.
2. 1940 STRUCTURAL STEEL PURCHASE ORDERS HAVE BEEN IDENTIFIED, OF THIS NUMBER, 1174 WERE ORDERED ESSENTIAL AND 766 WERE ORDERED NONESSENTIAL. APPROXIMATELY 113 PO'S WERE BOUGHT NONESSENTIAL AND ISSUED ESSENTIAL.
3. 219 OF 404 GAMMA PLUGS HAVE BEEN INSPECTED. THE DATA HAS BEEN SUBMITTED TO CG&E NUCLEAR ENGINEERING DEPARTMENT. ACTION ON THIS ITEM IS STOPPED PENDING NED EVALUATION.

TO BE RESOLVED

1. A METHOD OF SURVEILLING THE H. J. KAISER N-5 PROGRAM IS BEING DEVELOPED TO ADDRESS ACTION B.
2. ADDITIONAL PROGRAM DEFICIENCIES HAVE BEEN IDENTIFIED IN HJK'S REVIEW OF SMALL BORE PIPING TRACEABILITY. TASK III HAS DEVELOPED ACCEPTANCE CRITERIA AND IS PROPOSING ITS IMPLEMENTATION. TO DATE, HJK DOES NOT HAVE AN ADEQUATE PROGRAM TO ADDRESS SMALL BORE PIPING CONCERNS.

COMMENTS

1. ON DECEMBER 9, 1982, HJK BEGAN AN INVENTORY OF PURCHASE ORDERS. NO PO'S HAVE BEEN AVAILABLE FOR REVIEW SINCE THEN, AND WON'T BE AVAILABLE UNTIL JANUARY 3, 1983.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
TASK LEAD	1
INSPECTORS	1
DOCUMENT REVIEWERS	<u>3</u>
TOTAL	6

QUALITY CONFIRMATION PROGRAM

TASK III: (CONT'D)

STATUS

THIS TASK IS 41% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 31, 1983

QUALITY CONFIRMATION PROGRAM

TASK IV: SOCKET WELD DISENGAGEMENT

ACTIONS BEING TAKEN

- A. IDENTIFY SMALL BORE PIPING SOCKET WELDS FOR WHICH VERIFICATION FOR DISENGAGEMENT DOES NOT EXIST.
- B. RADIOGRAPH 100% OF THE ACCESSIBLE WELD NOT HAVING VERIFICATION OF DISENGAGEMENT.

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
IV SOCKET WELD DISENGMT	32,000	0	29,821	0	98	0	240
FINAL REVIEW	2725	229	229	8.4	8.4	244	2700
TOTAL	34,725	229	30,050	8.4	98	244	2940

CURRENT STATUS AND RESULTS

- A. 348 RADIOGRAPHS TO DATE HAVE BEEN TRANSMITTED TO QADVG.
- B. 111 SOCKET WELDS HAVE BEEN REJECTED FOR LACK OF DISENGAGEMENT.
- C. 695 WELDS HAVE BEEN IDENTIFIED TO DATE AS LACKING EVIDENCE OF A QUALITY INSPECTION.
- D. REJECT WELDS HAVE BEEN IDENTIFIED ON NONCONFORMANCE REPORTS.
- E. FINAL REVIEW OF DOCUMENTS GENERATED BY QCP STARTED DECEMBER 15TH. ADDITIONAL FINAL REVIEW TO SUMMARY OF TASK, 2725 DOCUMENT PACKAGES, TOTAL NUMBER OF MANHOURS REMAINING IS BASED ON A 40 HOUR WEEK FOR TWO DOCUMENT REVIEWERS.

COMMENTS

- 1. PERSONNEL TRAINED TO PERFORM REVIEW TO 19-QA-02.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1/2
CLERKS	1/2
DOCUMENT REVIEWERS	<u>2</u>
TOTAL	3

QUALITY CONFIRMATION PROGRAM

TASK IV: (CONT'D)

STATUS

THIS TASK IS 98% COMPLETE. A FINAL REVIEW OF 2725 DOCUMENTS PACKAGES, GENERATED BY QCP STARTED DECEMBER 15, 1982.

ESTIMATED COMPLETION DATE

AN ESTIMATED COMPLETION DATE FOR THE SECOND REVIEW IS APRIL 1983. IMPLEMENTATION OF 19-QA-02 DECEMBER 15, 1982.

QUALITY CONFIRMATION PROGRAM

TASK V: RADIOGRAPHS

ACTION TO BE TAKEN

- A. CONFIRM THAT THE EXISTING RADIOGRAPHS OF LARGE BORE PIPING SUPPLIED BY M. W. KELLOGG ARE ADEQUATE TO IDENTIFY WELD DEFICIENCIES.

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
RADIOGRAPHY REVIEW	4250	0	4250	0	100	0	0
RADIOGRAPHS PHASE II	46	0	46	0	100	5	5
TOTALS	4296	0	4296	0	100	5	5

CURRENT STATUS AND RESULTS

- A. REVIEW OF 4250 WELD RADIOGRAPHS FOR SENSITIVITY IS COMPLETE.
- B. 46 WELDS HAVE BEEN IDENTIFIED TO BE RE-RADIOGRAPHED, COVERING ALL VARIATION IN PIPE AND WALL THICKNESS.
- C. PROGRAM TO CONFIRM RADIOGRAPHS HAS BEEN APPROVED BY THE NATIONAL BOARD OF BOILER PRESSURE VESSEL INSPECTORS AND THE STATE OF OHIO.
- D. 46 OF THE 46 RADIOGRAPHS HAVE BEEN RE-RADIOGRAPHED, AND ACCEPTED.
- E. MOCK-UPS OF THE 4 INACCESSABLE WELDS WERE FABRICATED AND RADIOGRAPHED.

TO BE RESOLVED

COMMENTS

A FINAL REPORT FOR TASK V HAS BEEN WRITTEN AND SUBMITTED FOR REVIEW AND WILL BE PRESENTED TO ALL APPLICABLE PARTIES AFTER RESOLUTION OF ALL COMMENTS.

MANPOWER SUMMARY

PERSONNEL ASSIGNED TO TASK III WILL SUPPORT THIS ACTIVITY.

STATUS

OVERALL TASK IS APPROXIMATELY 99% COMPLETE.

ESTIMATED COMPLETION DATE

FEBRUARY 15, 1983.

QUALITY CONFIRMATION PROGRAM

TASK VI: CABLE SEPARATION

ACTION BEING TAKEN

- A. 100% INSPECTION OF SLEEVES AND CLASS IE FLOOR PENETRATIONS FOR SEPARATION IDENTIFICATION AND ROUTING.
- B. INSPECT A MINIMUM OF 10% OF THE ASSOCIATED CABLES TO ARRIVE AT A 95% CONFIDENCE LEVEL THAT 95% OF THE ASSOCIATED CABLES ARE PROPERLY SEPARATED IN TRAYS AND CONDUITS. CONFIDENCE LEVEL WAS NOT MET. THIS INSPECTION IS SUPERSEDED BY THE INSPECTION OF CABLE TRAYS.
- C. 100% INSPECTION OF CABLE TRAYS IN CATEGORY I STRUCTURES.
- D. 100% INSPECTION OF CALBES REQUIRING SEPARATION INSIDE PANELS AND TO THE FIRST ASSIGNED RACEWAY TO VERIFY PROPER SEPARATION AND IDENTIFICATION. THIS INCLUDES ALL CABLES INSTALLED BETWEEN THE CABLE SPREADING ROOM AND THE MAIN CONTROL ROOM.
- E. TRACK RESOLUTION OF SIX SAMPLES OF FAILURE TO MEET CABLE SEPARATION CRITERIA IDENTIFIED BY THE NRC.

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
WALL PEN-ETRATION SLEEVES (SEE NOTE B)	182	0	182	0	100	0	32
ASSOC. CABLES	392	0	392	0	100	0	0
TRAY SYS WLKDOWN (SEE NOTE C)	2049(TR) (12,446 UN)	1808(UN)	9085(UN)	14.6	73	692	6867
CABLES RE-QUIRING SEP IN-SIDE PANELS (SEE NOTE D)	8951 CABLES (35,804 UN)	0	0	0	0	0	6357
REVIEW OF EER RESPONSES		0	37	0	100	0	0
ADMIN	-	-	-	-	-	651	127
TOTAL	48,824	1808	9696	5.8	61	1359	13,383

QUALITY CONFIRMATION PROGRAM

TASK VI: (CONT'D)

CURRENT STATUS AND RESULTS

- A. A TOTAL OF 957 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN FOR SEPARATION, IDENTIFICATION, AND ROUTING DEFICIENCIES. 519 NR'S DISPOSITIONED (270 REWORK, 46 REPAIR, 204 ACCEPT-AS-IS). 230 OF THE 519 DISPOSITIONED NR'S HAVE BEEN CLOSED. 16 NR'S WERE CANCELLED BECAUSE OF DUPLICATION. 422 NR'S HAVE NOT BEEN DISPOSITIONED.
- B. WALL PENETRATION AND SLEEVE INSPECTIONS COMPLETE. LEVEL II REVIEW OF INSPECTION RECORDS REMAINING.
- C. THE DECISION HAS BEEN MADE TO INSPECT CABLE TRAYS IN PLACE OF CLOSING OUT ASSOCIATED CABLE INSPECTION RECORDS SINCE CONFIDENCE LEVEL HAS NOT BEEN MET. THE PROCEDURE FOR TRAY INSPECTION 19-QA-38 WAS APPROVED ON AUGUST 24, 1982. THE CABLE TRAY INSPECTIONS FOR THE CONTROL ROOM AND THE SERVICE WATER PUMP STRUCTURE ARE COMPLETE AND INSPECTIONS ARE BEING PERFORMED IN THE REACTOR BUILDING.
- D. THERE ARE 4210 CABLES THAT REQUIRE INSPECTION IN THE CONTROL ROOM AND FROM THE CABLE SPREADING ROOM TO THE CONTROL ROOM. INSPECTIONS CANNOT START UNTIL THE SEPARATION REQUIREMENTS ARE FINALIZED.
- E. 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 NR.

COMMENT

<u>MANPOWER SUMMARY</u>	<u>ACTUAL</u>
TASK COORDINATOR/QUALITY ENGINEER	1
LEAD INSPECTOR	1
INSPECTORS	4
DOCUMENTATION (NR'S & SCOPING PACKAGES)	<u>2</u>
TOTAL	8

STATUS

61% COMPLETE (EXPANDED SCOPE MANHOURS).

ESTIMATED COMPLETION DATE

JUNE 1, 1983

QUALITY CONFIRMATION PROGRAM

TASK VII: NONCONFORMANCE REPORTS

ACTION BEING TAKEN

- A. 100% REVIEW OF ALL VOIDED NONCONFORMANCE REPORTS (NR'S), SURVEILLANCE REPORTS (SR'S), PUNCHLIST AND EXCEPTION LIST ITEMS.
- B. 100% SOLICITATION TO PAST AND PRESENT QC INSPECTORS, BY CERTIFIED MAIL, REQUESTING THEIR KNOWLEDGE OF ANY NONCONFORMANCE REPORTS NOT ENTERED INTO THE SYSTEM.
- C. REVIEW 300 RANDOMLY SELECTED, CLOSED NR'S.

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
VOIDED NR REVIEW INITIAL	1318	0	1150	0	87	0	479
VOIDED REVIEW SECONDARY	1318	0	659	0	50	25	561
SURVEILLANCE RPT REVIEW	3500	0	3285	0	94	0	5406
PUNCHLIST REVIEW	(APPX) 25,000	0	0	0	0	0	1130
CLOSED NR REVIEW	300	0	50	0	16.66	0	145
NR'S FROM INSPECTORS	UNKNOWN	0	0	(NO NR'S RECEIVED THIS MONTH)		0	
TOTAL	31,436	0	5,144	0	61	25	7869

CURRENT STATUS AND RESULTS

- A. 50 VOIDED I/R'S WERE REVIEWED, - NO STATUS - REVIEW CONTINUING. 126 NR'S WERE SENT TO HJK (TO INCLUDE 76 AS REPORTED LAST MONTH). ORIGINAL 50, RETURNED, LETTER DATED AUGUST 9, 1982.
- B. NO NR COMMITTEE HELD THIS MONTH.
- C. 20 MANHOURS WERE EXPENDED THIS PERIOD FOR DISCUSSION AND PREPARATION OF PROCEDURES TO CLOSE OUT PUNCHLIST ITEI'S.

QUALITY CONFIRMATION PROGRAM

TASK VII: (CONT'D)

- D. RE-WROTE 19-QA-09 - IN REVIEW STAGE.
- E. MASSIVE RE-TRAINING OF TASK VII PERSONNEL (100% COMPLETE), APPROXIMATELY 120 HOURS.
- F. TOTAL RECERTIFICATION OF TASK VII PERSONNEL (80% COMPLETE).
- G. NEW TASK COORDINATOR ASSIGNED-REORGANIZED TASK VII.
- H. 58 NR'S HAVE BEEN GENERATED FROM THE REVIEW OF VOIDED HJK NR'S AND SURVEILLANCE REPORTS. 15 REWORK, 1 REPAIR, 27 ACCEPT-AS-IS DISPOSITIONS.

MANPOWER SUMMARY

ACTUAL

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

STATUS

THIS TASK IS APPROXIMATELY 65% COMPLETE.

ESTIMATED COMPLETION DATE

JUNE 1, 1983

QUALITY CONFIRMATION PROGRAM

TASK VIII: DESIGN CONTROL AND VERIFICATION

ACTION BEING TAKEN

VERIFY ADEQUACY OF S&L DESIGN CONTROL AND VERIFICATION PROGRAM. PROCEDURES WERE IN PLACE AND WERE CLARIFIED.

CURRENT STATUS AND RESULTS

THE FINAL REPORT FOR TASK VIII IS BEING WRITTEN.

STATUS

THIS TASK IS 99% COMPLETE TO DATE.

ESTIMATED COMPLETION DATE

MARCH 15, 1983

QUALITY CONFIRMATION PROGRAM

TASK IX: DESIGN DOCUMENT CHANGES

ACTION BEING TAKEN

1. COMPILE A COMPUTER LISTING OF ALL DDC'S.
2. REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTORS' DDC'S TO DETERMINE PROPER CLASSIFICATION.
3. REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTORS' ESSENTIAL DDC'S TO DETERMINE IF DDC'S WERE INCORPORATED IN INSPECTION DOCUMENTATION.
4. PERFORM ELECTRICAL INSPECTIONS IN THE CONTROL ROOM FOR CABLE TRAY HANGERS, CONDUIT, AND CONDUIT SUPPORTS. (ADDITION TO ORIGINAL QCP WORK SCOPE).

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
PHASE I	19,711	0	18,725	0	95	0	80
PHASE II	9,111	222	3,679	2.4	40.4	501.5	12,922
PHASE IA	2,600	13	770	.5	29.6	2	143
PHASE IIA	2,200	130	415	5.9	18.9	326	4,402.5
PHASE III DOC.	714	0	124*	0	17.3	72	-
INSPECT.	714	0	121*	0	17.0	0	-
OTHER	-	-	-	-	-	1,000.5**	-
TOTAL	35,050	365	23,834	2.9	40.1	1902	16,395

* EQUIVALENT ITEMS

** OTHER TIME SPENT FOR TRAINING AND CERTIFICATION OF PERSONNEL, PROBLEM RESEARCH AND OTHER RESOLUTION, PROCEDURE PREPARATION, CLERICAL, PHASE III ADMINISTRATION, AND SETTING UP A DDC REVIEW AND HANDLING SYSTEM. (205.5 HOURS FOR DDC SYSTEM).

PHASE I - CLASSIFICATION OF CG&E, S&L AND HJK, DDC'S AS ESSENTIAL OR NONESSENTIAL.

PHASE II - REVIEW INSPECTION DOCUMENTATION TO DETERMINE IF CG&E, S&L AND HJK DDC'S HAVE BEEN INCORPORATED AND INSPECTED.

PHASE IA - CLASSIFICATION OF WY&B AND OTHER SITE CONTRACTOR DDC'S AS ESSENTIAL NONESSENTIAL.

PHASE IIA - REVIEW INSPECTION DOCUMENTATION TO DETERMINE IF WY&B AND OTHER SITE CONTRACTOR DDC'S HAVE BEEN INCORPORATED AND INSPECTED.

QUALITY CONFIRMATION PROGRAM

TASK IX: (CONT'D)

PHASE III - ELECTRICAL INSPECTIONS IN THE CONTROL ROOM.

PHASE IV - COMPILE COMPUTER LISTING OF DDC'S, INCLUDING DDC STATUS AND CONSTRUCTION STATUS.

RESULTS

1. IN PHASES II AND IIA, 977 DEFICIENCIES IDENTIFIED TO DATE FOR REPORTING VIA DOCUMENT DEFICIENCY NOTICES OR NONCONFORMANCE REPORTS AS APPLICABLE.
2. IN PHASE III, 142 DEFICIENCIES HAVE BEEN IDENTIFIED TO DATE FOR REPORTING VIA NONCONFORMANCE REPORTS. THESE DEFICIENCIES ARE DUE TO WELD DEFICIENCIES.

<u>PROBLEM/DEFICIENCY</u>	<u>ELECT.</u>	<u>MECH.</u>	<u>STRUCT.*</u>	<u>TOTAL</u>
1. MISSING DOCUMENTATION	32	-	275	307
2. DDC MIS-CLASSIFICATION	13	-	3	16
3. INSPECTION PROGRAM DEFICIENCIES & MISC.	46	-	37	83
4. DDC NOT INCORPORATED IN DOCUMENTATION	101	10	339	450
5. INSPECTION PRIOR TO DDC BEING WRITTEN (AS-BUILT)	3	-	-	3
6. INCOMPLETE INSPECTION	8	-	22	30
7. UNCLASSIFIED	7	-	81	88
TOTAL	210	10	757	977

* INCLUDES WY&B DDC'S

TO BE RESOLVED

- A. TASK IX IS STILL WAITING FOR HJK TO RESPOND TO CAR'S IN ORDER TO COMPLETE SOME DDC REVIEWS.
- B. A PROCEDURE/METHOD NEEDS TO BE DEVELOPED FOR VERIFYING AND COMPILING A COMPUTER STATUS LISTING OF ALL DDC'S (PHASE IV). THIS PROCEDURE NEEDS TO BE INTEGRATED WITH 19-QA-15 SO THAT WORK COMPLETED TO DATE FOR PHASES II AND IIA DDC/INSPECTION DOCUMENTATION REVIEWS CAN BE CHECKED FOR CORRECT DDC STATUS.
- C. A PROCEDURE/METHOD NEEDS TO BE DEVELOPED FOR HANDLING, LOGGING, AND CONTROLLING DDC'S AS THEY ARE RECEIVED FROM DOCUMENT CONTROL FOR PHASES I, II, IA AND IIA.
- D. THE METHOD USED TO CALCULATE CONDUIT DEAD LOADS, AS CONTAINED IN THE E189 SERIES GENERAL NOTES, MAY BE INADEQUATE. SUBTASK III IS STILL WAITING FOR THIS TO BE ADDRESSED BY QUALITY ENGINEERING(CER INITIATED BY TASK IX PERSONNEL).

QUALITY CONFIRMATION PROGRAM

TASK IX: (CONT'D)

- E. THE WELD INSPECTORS HAVE STATED THAT THEY CANNOT DETERMINE WHICH WELDS ON TRAY SUPPORTS WERE MADE BY THE SMAW PROCESS AND WHICH WERE MADE BY THE MIG PROCESS. AFTER THE WELDS HAVE BEEN HOT-DIPPED GALVANIZED. THERE IS PRESENTLY NO WAY TO DETERMINE WHICH SUPPORTS WERE FABRICATED BY THE VENDOR AND WHICH WERE FABRICATED HERE ON SITE. THE LATTER REQUIRE INSPECTION OF THE "SHOP" WELDS. SUBTASK III IS STILL WAITING FOR THIS TO BE ADDRESSED BY CG&E QUALITY ENGINEERING, (CER WRITTEN BY TASK IX PERSONNEL).
- F. A LARGE NUMBER OF CONDUIT SUPPORTS IN THE MAIN CONTROL ROOM STILL HAVE OPEN WORK TICKETS FOR LINE REVISIONS. THE PRESENT HJK PROGRAM ONLY REQUIRES INSPECTION OF THE ACTUAL REVISION, AND NOT THE ENTIRE SUPPORT. THEREFORE, SINCE THESE SUPPORTS HAVE BEEN PREVIOUSLY ACCEPTED, THEY STILL FALL UNDER 19-QA-35. THIS PROBLEM HAS NOT YET BEEN ADDRESSED, BUT WILL REQUIRE RESOLUTION BEFORE ALL OF THE SUPPORTS CAN BE COMPLETED.
- G. TASK IX IS GOING TO PARTICIPATE ON A STRUCTURAL DDC NR REVIEW BOARD WHICH IS GOING TO BE FORMED TO FACILITATE THE DISPOSITIONING OF DOCUMENTATION DEFICIENCIES. THIS REVIEW BOARD NEEDS TO BE FORMED.
- H. WAITING FOR RESOLUTION OF PROBLEMS WITH X & Y DIMENSION TOLERANCES ON CONDUIT HANGERS (CER WRITTEN BY TASK IX PERSONNEL).
- I. WAITING FOR RESOLUTION/CLARIFICATION OF HANGER SEPARATION CRITERIA. (CER WRITTEN BY TASK IX PERSONNEL).
- J. SUBTASK III IS CURRENTLY WORKING ON CLARIFICATION OF WELD INSPECTION CRITERIA AND DEVELOPING INSPECTION AND IMPLEMENTATION PROCEDURES.

COMMENTS

- 1. THERE ARE APPROXIMATELY 900 DDC'S LISTED AS OPEN AGAINST THE E-189 DRAWINGS, SPECIFICATIONS, AND OTHER DRAWINGS USED FOR THE ELECTRICAL INSPECTIONS IN THE MAIN CONTROL ROOM. OF THESE LISTED DDC'S, APPROXIMATELY 200 ACTUALLY APPLY TO THE INSPECTIONS BEING PERFORMED. A SYSTEM IS CURRENTLY BEING DEVELOPED TO ASSURE THAT ALL APPLICABLE DDC'S ARE INCLUDED IN THE INSPECTIONS. TO EFFECTIVELY WORK WITH SUCH A LARGE NUMBER OF DDC'S, THE SYSTEM BEING DEVELOPED INCLUDES A DETAILED REVIEW OF ALL DDC'S LISTED ON THE APPLICABLE DRAWINGS AND SPECIFICATIONS AND A LOG OF THE RESULTS. VERIFICATION OF THE INITIAL REVIEW AND LOG IS NOW COMPLETE. INFORMATION FROM THE LOG IS CURRENTLY BEING CATEGORIZED AND COLLATED FOR EASE OF REFERENCE.

QUALITY CONFIRMATION PROGRAM

TASK IX: (CONT'D)

MANPOWER SUMMARY

PHASES I, II, IA, IIA

ENGINEERS (INCLUDING TASK COORDINATOR)	4
DOCUMENT REVIEWERS	2
CLERKS	<u>1</u>
TOTAL	7

PHASE III

DOCUMENT REVIEWERS	3**
INSPECTORS	<u>5</u>
TOTAL	8

** NUMBER INCLUDES PHASE COORDINATOR AND LEAD INSPECTOR.

STATUS

PHASE I AND II - 44% COMPLETE.

PHASE IA AND IIA - 19% COMPLETE.

PHASE III - 17% COMPLETE.

THE OVERALL TASK IS 40% COMPLETE (DOES NOT INCLUDE PHASE III).

ESTIMATED COMPLETION DATE

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

PHASE III - MAY 31, 1983*

* BASED ON RESOLUTION OF ITEMS "D", "E", "F", "H", "I", AND "J" BY
JANUARY 15, 1983.

QUALITY CONFIRMATION PROGRAM

TASK X: SUBCONTRACTOR/QA PROGRAM

ACTION BEING TAKEN:

- A. CG&E/QA AUDITS OF SUBCONTRACTORS/VENDORS HAVE BEEN IDENTIFIED.
- B. REVIEW SHEETS HAVE BEEN IDENTIFIED FOR EACH OF THE AVAILABLE AUDITS SHOWING WHICH 10CFR50, APPENDIX B CRITERIA WERE ADDRESSED DURING THE COURSE OF THE AUDIT.
- C. MATRICES HAVE BEEN GENERATED AND COMPLETED FOR EACH SUBCONTRACTOR/VENDOR, GRAPHICALLY DEMONSTRATING WHICH APPENDIX B CRITERIA HAVE BEEN ADDRESSED FOR THE AUDITS OF THAT SUBCONTRACTOR/VENDOR.
- D. EVALUATIONS WILL BE MADE OF THE SCOPE AND DEPTH OF THE AUDITS OF EACH SUBCONTRACTOR/VENDOR TO DETERMINE WHETHER THE AUDITS SUFFICIENTLY ADDRESSED ALL APPLICABLE APPENDIX B CRITERIA IN SUFFICIENT DETAIL.
 - 1. IF THE EVALUATIONS DETERMINE THAT THERE IS SUFFICIENT OBJECTIVE EVIDENCE TO PROVIDE FOR ACCEPTANCE OF A SUBCONTRACTOR'S/VENDOR'S QUALITY PROGRAM. THESE WILL BE CLOSED.
 - 2. IF EVALUATIONS CANNOT PROVIDE SUFFICIENT OBJECTIVE EVIDENCE THAT SUBCONTRACTOR/VENDOR PROGRAMS WERE ACCEPTABLE, ALTERNATE MEASURES TO PROVIDE THAT EVIDENCE WILL BE REVIEWED, SUCH AS:
 - a. REVIEW OF SUBCONTRACTOR/VENDOR INTERNAL AUDITS.
 - b. REVIEW OF QUALITY DOCUMENTATION (INSPECTION RESULTS).
 - c. COVERAGE BY OTHER QCP TASKS.
 - d. RE-AUDIT
 - e. ACTUAL HARDWARE REINSPECTION AND/OR TESTING

SUMMARY OF TASK

AREA	TOTAL NUMBER OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETE TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
SUBCONTRACTOR AUDITS	113	0	113	0	100	0	0
AUDIT REVIEW SHEETS	113	1	113	1.13	100	8	0
SUBCONTRACTOR MATRICES	14	1	14	0.14	100	5	0
SUBCONTRACTOR EVALUATIONS	127	0	0	0	0	0	800
TOTAL	367	2	240	1.2	60	13	800

TASK X: (CONT'D)

CURRENT STATUS AND RESULTS

- A. PROCEDURE FOR TASK X HAS BEEN DEVELOPED. THIS PROCEDURE IS CURRENTLY BEING SUBJECTED TO REVIEW AND INPUT INTERNALLY WITHIN QCP.
- B. ONE HUNDRED THIRTEEN (113) AUDITS OF SUBCONTRACTORS/VENDORS HAVE BEEN IDENTIFIED AS BEING PERFORMED PRIOR TO APRIL 8, 1981. THESE AUDITS ENCOMPASSED FOURTEEN (14) DIFFERENT SUBCONTRACTORS. ALL 113 AUDITS HAVE BEEN REVIEWED AND OBJECTIVE EVIDENCE OF THESE REVIEWS ARE ON FILE.
- C. MATRICES OF EACH OF THE FOURTEEN (14) SUBCONTRACTORS HAVE BEEN PREPARED AND ARE ON FILE.
- D. EVALUATIONS OF THE AUDITS AND EACH SUBCONTRACTOR WILL COMMENCE WHEN THE PROCEDURE FOR THIS TASK IS APPROVED.

TO BE RESOLVED

- A. THE ULTIMATE SCOPE OF TASK X

STATUS

THIS TASK IS 79% COMPLETE.

ESTIMATED COMPLETION DATE

JUNE 1, 1983

QUALITY CONFIRMATION PROGRAM

TASK XI: AUDITS

ACTION BEING TAKEN

- A. REVIEW PAST CG&E/QA AUDITS OF HJK, NPD, NED, EOTD, AND GCD.
- B. DEVELOP REVIEW SHEETS FOR EACH AUDIT SHOWING WHICH 10CFR50 APPENDIX B CRITERIA WERE ADDRESSED DURING EACH AUDIT.
- C. DEVELOP MATRICES FOR EACH ORGANIZATIONAL ENTITY.

SUMMARY OF TASK

AREA	TOTAL NUMBER OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
AUDITS	293	0	293	0	100	0	0
ORGANIZATIONS	5	0	5	0	100	0	0
REVIEWS	293		293	0	100	0	0
MATRICES	5	0	0	0	0	0	0
EVALUATIONS	298	0	0	0	0	0	1400
TOTAL	894	0	591	0	50	0	1400

CURRENT STATUS AND RESULTS

- A. PROCEDURE FOR TASK XI IS CURRENTLY UNDER GOING TASK XI REVIEW AND MODIFICATION. THIS PROCEDURE 19-QA-41 WILL BE REVISED AND SUBMITTED FOR INTERNAL QCP REVIEW AND INPUT.
- B. REVIEW SHEETS HAVE BEEN COMPLETED FOR EACH AUDIT.
- C. MATRICES WILL BE DEVELOPED FOR EACH ORGANIZATIONAL ENTITY INVOLVED.
- D. EVALUATIONS MUST BE PERFORMED OF EACH AUDIT AND EACH ORGANIZATIONAL ENTITY.

TO BE RESOLVED

- A. ULTIMATE SCOPE OF TASK XI.
- B. CORRELATION WITH THE WORK OF TASK X.

STATUS

THIS TASK IS 83% COMPLETE.

ESTIMATED COMPLETION DATE

JUNE 1, 1983