

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

ZIMMER MONTHLY  
STATUS REPORT

August and September 1982

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A. Summary of the Project for the Month

The identification of problems at the site continues to increase at a rate faster than they are being addressed. These problems are placing increased demands on the NRC staff to the point that our work load will require increased resources. Additional actions are under active consideration by the NRC to provide greater assurance that the licensee is managing the entire project satisfactorily. In developing these activities, attention is also being pursued on alleviating NRC resource needs. We continue to believe the Quality Confirmation Program is working; however, it is progressing slower than the licensee expected.

Region III inspection efforts at the Zimmer facility during the months of August and September were concentrated on the activities of Catalytic, Inc. (CI), the CG&E overview of CI, monitoring of welder qualifications, review of nonconformance reports, and the routine monitoring and inspection of other ongoing activities including the QCP.

The licensee's review of welder qualifications resulted in the discovery of inadequate documentation to support the qualifications of about 100 onsite welders. Following discussions between the licensee and NRC, the licensee has requalified the welders and is establishing a program for evaluating the past work performed by the welders as appropriate. Region III required the licensee to have qualified observers present to monitor Kaiser's requalification program, and Region III inspectors also monitored the program on a part time basis.

Meetings were conducted with the licensee on September 27, 1982, regarding the proposed CG&E organizational changes.

Region III representatives attended a meeting at Columbus, Ohio between CG&E and the National Board of Boiler and Pressure Vessel Inspectors on August 10, 1982. The second interim report from the National Board and the CG&E response to the first interim report were discussed. The National Board of Boiler and Pressure Vessel Inspectors is continuing inspection efforts onsite. The National Board issued interim reports on May 12, July 1, August 6, and September 30, 1982. The findings of the National Board are consistent with and similar to NRC findings. The licensee responded to the first two reports on August 5 and 30, 1982, respectively.

The Regional Administrator and members of his staff gave testimony before the Subcommittee on Energy and the Environment of the Committee on Interior and Insular Affairs, United States House of Representatives on September 14, 1982. The purpose of the testimony was to provide the subcommittee an update since the hearing on June 10, 1982, and to answer their questions.

The Regional Administrator and members of his staff appeared before the City of Cincinnati's Environmental Advisory Council on September 16, 1982. The purpose was to testify at a public hearing on construction problems at the Zimmer Nuclear Plant and to answer questions on the NRC's inspection and investigation activities at Zimmer.

In accordance with 10 CFR 50.55(e), the licensee reported by telephone the following potential construction deficiencies: August 4, 1982 -- inadequate engagement of "gamma plugs" in large-bore essential piping and lack of heat number traceability of the "gamma plugs". (During radiography of a pipe weld, a gamma source is sometimes inserted through a small hole in the side of the pipe. After radiography, the hole is plugged to provide a pressure boundary). On September 1, 1982, a licensee review, as part of QCP, determined seven cases where electrical design document change (DDC) notices and one nonconformance report were not incorporated into the electrical drawings. This item was determined, by the licensee, to be non-reportable on September 30, 1982. On September 9, 1982 -- during the licensee's review of INPO Significant Operating Report No. 81-10 they determined that the essential relay panel logic could cause all three essential busses to be paralleled with one emergency diesel generator (EDG), thus overloading it. The conditions which would lead to this situation are a LOCA plus loss of offsite power plus one EDG under test. On September 28, 1982 -- the licensee determined that the inspection program and installation procedure for "Nelson studs" relating to electrical hangers was inadequate. Base metal defects were found on all 26 of the base plates that were checked. Half of the "Nelson studs" do not show complete welding. Also on September 28, 1982 -- the licensee determined various deficiencies in the concrete and steel coating program in that they were not in accordance with the QA Program and the Sargent and Lundy (S&L) specification requirements as follows: Specification required submittal of detailed QC procedures for S&L review prior to coating work. H. J. Kaiser (HJK) started coating work on concrete and steel structures in 1976 and did not submit QC procedures until 1981; various nonconforming conditions were accepted by the QC inspectors, for example, 19 MILLS average dry film thickness when a maximum of 6 MILLS was allowed, excessive relative humidity - 98% when maximum was 95%, surface preparation of commercial blast when white metal blast was called for; continuous inspection required, yet no objective evidence that this was done; no objective evidence that the zinc base filler and thinner were properly mixed (quantities and type); coatings may have been applied to steel surfaces with moisture on the surface (steel temperature below dewpoint).

Region III is continuing evaluation of the licensee's responses to the investigation report 81-13 and civil penalty; however, little progress was made during the month because of higher priority work.

Effective August 4, 1982, the Office of Investigations (OI) assumed responsibility for all investigative activity stemming from the allegations relating to the construction of the Zimmer Nuclear Power Station. Region III is transferring all allegations now on hand to OI. All allegations received by Region III in the future will also be transferred to OI.

Since the July Monthly Status Report was prepared, two petitions, both dated August 20, 1982, have been received from the Government Accountability Project (GAP). The first is for reconsideration of



the Commission's Order of July 30, 1982. The second petition is to suspend construction of the Zimmer Station. On September 24, 1982, the RIII Regional Administrator issued a "Demand for Information" pursuant to the Commission's authority under Section 182 of the Atomic Energy Act and 10 CFR 50.54(f) of the Commission's regulations. This "Demand for Information" requires the licensee to admit or deny each of the allegations applicable to the licensee's and its principal contractor's or subcontractor's performance contained in paragraphs 19 through 273 of the petition. If the allegations are not admitted, they must explain the basis for not admitting the allegations. In addition, they must identify the manner in which the Quality Confirmation Program (QCP) addresses the type of existing or potential quality assurance or construction deficiencies and problems identified in each of the above allegations. If the QCP does not address such deficiencies or problems, CG&E must describe the manner in which they will ensure such deficiencies or problems are corrected. They have until December 31, 1982 to respond.

Inspection reports completed and dispatched during August and September 1982 included:

50-358/82-14 - On August - September, 1982, routine, unannounced, safety inspection of preoperational environmental monitoring and environmental protection, including management controls and internal audits; program implementation and results; quality assurance and quality control of analytical measurements of environmental samples and of the chemistry/radio-chemistry program; tour of site and plant laboratory facilities and counting room; and followup of open items identified in previous inspections.

B. Zimmer Section Manpower Availability and Utilization

1. Assigned Manpower

Section Chief (Assigned to Zimmer full time. Onsite part-time.)

Project Manager (Assigned to Zimmer full-time. Onsite as needed.)

Resident Inspectors

Senior Resident (Full-time onsite)

Resident Inspector (Full-time onsite)

Resident Inspector (Full-time onsite)

Investigators (Office of Investigations (OI))

Three Investigators (Full-time)

## 2. Summary of Manpower Utilization

Onsite and in office professional effort from January 3, 1982 through October 2, 1982 was approximately 7,881.5 manhours, with 2,834.5 of these manhours occurring between July 4, and October 2, 1982. (These hours do not include those of OI investigators).

## C. High Visibility Issues

### 1. Inspection of Catalytic, Inc. Activities

Special inspection performed by Region III during weeks of August 10 and September 7 and 13, 1982, regarding the adequacy of licensee control of Catalytic, Inc. work activities and to determine if the licensee had violated the December 24, 1980 NRC Immediate Action Letter (IAL) and the December 30, 1980 CG&E Stop Work Order (SWO).

#### Effort by Licensee

During the NRC inspection a number of corrective actions were taken by the licensee, including the issuance of a Limited Stop Work Order (SWO) on September 10, 1982, on miscellaneous work by Catalytic, Inc.; and a Stop Work Order (SWO) on October 11, 1982, for all essential work activities performed by Catalytic, Inc., following the discussion of the inspection findings with Region III on October 8, 1982.

Immediately prior to the inspection, the licensee notified the NRC that a Stop Work Order (SWO) was initiated on August 5, 1982, regarding Catalytic, Inc. work associated with the removal of Control Rod Drive (CRD) hangers and supports.

#### NRC Effort/Action

The NRC inspection identified a number of apparent programmatic concerns as well as individual findings in the field concerning the Catalytic, Inc. safety-related activities.

A management meeting was conducted at the Greater Cincinnati Airport (Open Meeting) on October 19, 1982, to discuss the inspection findings.

Additional enforcement is being considered by Region III and another working meeting is planned to discuss the specific technical and programmatic issues in more detail.

#### Findings to Date

The licensee and the NRC have identified a number of concerns in the areas of organizational description and interfaces, assignment of responsibilities and authority, training, design control, procedures, document control, inspections, nonconformance control,

corrective action, records, and audits. A number of concerns are considered repeat items. The inspection results indicate a breakdown in the CG&E management controls regarding Catalytic, Inc.

2. H. J. Kaiser (HJK) Internal Investigation Report

Region III anonymously received a partial copy of a report of a HJK investigation conducted at Zimmer. The report was mailed from Cincinnati, Ohio on March 23, 1982, and received by Region III on March 26, 1982. The NRC is investigating to determine the safety significance of the matters described in the investigation report and whether or not NRC reporting requirements were met.

Effort by Licensee

The licensee is conducting a review of the report.

NRC Effort/Action

The NRC investigation into the HJK investigation report and its significance has been transferred to the Office of Investigations.

Findings to Date

The findings will be discussed after the investigation is complete.

3. Review of Welder Qualifications

The qualifications of welders presently onsite and all welders who have worked at Zimmer are being reviewed.

Effort by Licensee

As a part of the QCP and HJK document verification program, a document review task force, consisting of nine H. J. Kaiser and one CG&E full time individuals, is continuing to retrieve and review welder qualification documentation.

To date the review of about 1910 welders qualification records has been completed. Of the 407 active welders onsite, 392 have been reviewed. Over 4600 records for about 2450 welders will be reviewed. The licensee has generated approximately 524 nonconformance reports (NR's) and 43 corrective action reports (CAR's) on welders qualifications.

NRC Effort/Action

Current review of onsite welders is viewed as a priority item by the NRC. Review of ten selected welders' qualifications was performed by Region III in July, 1982. Concerns were identified in 5 out of 10 of the qualifications reviewed.

Some of these concerns were as follows:

- . Some welder qualification records were signed by unqualified individuals.
- . Backup documentation missing from some welder qualification records.
- . Some information for bend test data on the State of Ohio welder qualification records differs from the records on the site.
- . Some welder qualification forms had qualification dates that were prior to the actual radiographic examination or radiographic acceptance date.

The above concerns and a few more (all of which were identified by the licensee) are examples of an item of noncompliance involving inadequate corrective action and will be documented in Inspection Report No. 50-358/82-10.

Region III required the licensee to requalify all welders as appropriate whose records were questioned either by the NRC or the licensee (approximately 100 welders). The resident inspectors are monitoring the ongoing licensee reviews. The NR's and CAR's are being reviewed by the NRC inspectors.

Past welders' qualifications (welders onsite prior to April 8, 1981) are receiving minimal NRC attention at this time. These welders will be reviewed as part of Task II of the QCP.

#### Findings to Date

The licensee and the NRC have identified problems in the documentation of welder qualifications. Although the licensee believed all welders were qualified, they have (at NRC's insistence) requalified approximately 100 welders whose qualifications were questioned. Nonconforming conditions identified concerning welder qualifications included lack of test data, inconsistent records, and inadequate record retention.

Three construction deficiency reports have been identified by the licensee regarding welder qualifications including weld positions, weld thickness, and general welder qualification documentation problems.

The licensee has prepared about 524 NRs and 43 CARs. Of these, 99 NRs and 38 CARs have been closed to date.

#### D. Quality Confirmation Program (QCP)

A summary of the progress of the QCP task areas is provided as Attachment I. The CG&E QCP Status Report as of July 31, August 31,



and September 30, 1982 are included as Attachments II, III, and IV respectively. These attachments include more detail than the following summary presents.

1. Task I, Structural Steel

Review of structural beams, beam welds, re-entrant corners, procurement of beams, beam and steel plate heat number traceability, and inspection of cable tray foot connections.

Effort by Licensee

The licensee is continuing to inspect structural steel items including foot connections, drywell steel, control room steel, gallery steel, and switchgear steel.

The task involves 28 personnel and is reported to be 57% complete with an estimated completion date of December 1, 1982.

NRC Effort/Action

Reviewed 1,767 initial issue nonconformance reports (NRs) and 138 dispositioned NRs and inspected a selected number of those reviewed.

Resident and specialist inspectors performed field walkdowns of actual conditions and rework activities.

Findings to Date

The licensee has generated 846 NRs identifying about 8351 weld deficiencies. The majority of the 4963 deficiencies dispositioned have been dispositioned as "rework".

Three construction deficiency reports have been reported to the NRC concerning laminated angle iron, cable tray hangers/weld deficiencies, and cable tray hanger "Nelson stud" deficiencies.

2. Task II, Weld Quality

Review of welds performed, weld rod control, transfer of weld rod heat numbers, and deletion of weld inspection criteria.

Effort by Licensee

The licensee is continuing to review the areas of structural weld cards, welding procedures, welder qualifications, small-bore piping welds, and large-bore piping welds.

The task involves four people and is reported to be 68% complete with the completion date still to be determined. The licensee is reorganizing the task work with both HJK and CG&E performing the reviews to improve efficiency.



### NRC Effort/Action

Reviewed 461 initial issue NRs and 42 dispositioned NRs and inspected a selected number of those reviewed.

### Findings to Date

The licensee has identified nonconforming conditions regarding weld data sheets, heat numbers, welder qualifications, and welding procedures. Discrepancies being identified include lack of objective evidence, white-outs and cross-outs, signature differences, inconsistent data, and lack of adequate acceptance criteria. (Welder qualifications are being reviewed by a special HJK/CG&E task group and are covered in paragraph C.4 in this report.)

Due to the identification of the lack of adequate control of drawings, inadequate acceptance criteria, and restart of the review activity under a new program, the large-bore piping weld review has not progressed.

Three construction deficiency reports have been identified to the NRC concerning weld procedure deficiency, carbon weld rod in stainless steel weld, and lack of weld preheat or post weld heat treatment.

### 3. Task III, Heat Number Traceability

Review of installed large-bore and small-bore pipe heat numbers; heat numbers on isometric drawings, incorrect or marked-up heat numbers, and purchase orders.

### Effort by Licensee

The licensee is continuing to review heat number traceability in the areas of large-bore piping, small-bore piping, and by purchase orders.

The task involves 14 people and is reported to be 33% complete with the estimated completion date still to be determined.

### NRC Effort/Action

Reviewed 466 initial issue NRs and 27 dispositioned NRs.

### Findings to Date

The licensee has identified a substantial number of discrepancies regarding small-bore piping, large-bore piping, and purchase orders. The nonconforming conditions include documentation deficiencies, lack of design change control, unsigned reports, use of unapproved vendors, and upgrade of materials.

Three construction deficiencies have been identified to the NRC concerning 2400 ft. of SA-106 Grade B piping, some bolting material, and control of "gamma plugs."

4. Task IV, Socket Weld Fitup

Review of socket weld fitup to ensure adequate disengagement for small bore piping.

Effort by Licensee

The task is substantially complete with 29,821 fitups reviewed of a total of 32,000. The final reviews of the identified discrepancies and radiographs are being made.

The task involves two people, each half time, and is reported as 98% complete with an estimated completion date of December 1, 1982.

NRC Effort/Action

Reviewed 114 initial issue NRs and 84 dispositioned NRs and inspected a selected number of those reviewed.

Findings to Date

The licensee identified 695 weld joints which lacked evidence of disengagement and the joints have been radiographed. Of the 695 welds 111 have been rejected for lack of disengagement.

5. Task V, Radiographs

Review the radiographs which did not meet ASME Code requirements due to inadequately shimmed penetrameters.

Effort by Licensee

The licensee has completed the review of the radiographs and is preparing a code inquiry to ASME concerning the shimming of the penetrameters.

The selected, qualifying radiographs are being reviewed to assess the weld conditions. Of the 61 welds initially identified, 2 welds have been found to be duplicates, 1 weld had been replaced and was removed from the list, and 12 welds are inaccessible. This reduces the total to 46 welds identified. Of these 46, 42 have been re-radiographed and accepted. Mock-ups of the 4 remaining welds are being fabricated.

This activity is reported to be approximately 98% complete with a completion date of November 15, 1982.

NRC Effort/Action

The resident inspector reviewed 8 initial issue NRs and 1 dispositioned NR.

Findings to Date

A substantial number of the M. W. Kellogg radiographs were not shimmed adequately; however, the quality and sensitivity of the radiographs appears adequate.

Two construction deficiency reports have been identified to the NRC concerning radiographs.

6. Task VI, Cable Separation

Review cable separation regarding essential and associated cables.

Effort by Licensee

The licensee is continuing the review and evaluation of wall penetrations/sleeves, associated cables for Class 1E panels, all 1E panels, and responses to engineering evaluation requests (EERs).

The task involves seven persons and is reported to be 44% complete (scope expanded) with a completion date of June 1, 1983 (scope expanded).

NRC Effort/Action

Reviewed 684 initial issue NRs and 285 dispositioned NRs and inspected a selected number of those reviewed.

Findings to Date

Nonconforming conditions have been identified concerning cable separation, identification, and routing. The licensee has written 637 NRs and 314 NRs have been dispositioned (105 rework, 22 repair, and 187 accept-as-is) of which 215 NRs have been closed to date.

Two construction deficiency reports have been identified to the NRC concerning electrical cable separation.

7. Task VII, Nonconformance Reports

Review of nonconformances documented in surveillance reports, punch lists, and exception lists; and nonconformances not documented, not entered, and voided rather than adequately dispositioned. Review 300 closed NRs and solicit NRs not entered into the system.

### Effort by Licensee

The licensee is continuing to review and evaluate nonconformances.

Approximately 200 letters to former QC inspectors soliciting non-conformances not entered into the system return receipt requested were mailed by the licensee. The responses were limited. One report has been received from an individual identifying four potential NRs.

Additional procedures, field walkdowns, and a material impound area are being provided.

The task involved four persons and is approximately 61% complete with an estimated completion date of January 30, 1983.

### NRC Effort/ Action

Reviewed 354 initial issue NRs and 253 dispositioned NRs and inspected a selected number of those reviewed.

### Findings to Date

Thirty five NRs have been written due to reopening of previously voided NRs. Thirteen of these NRs have been dispositioned "Accept-as-is," and five NRs dispositioned "Rework."

## 8. Task VIII, Design Control and Verification

Review procedures controlling design calculation completion, S&L program for controlling deviations from FSAR, correctness and consistency of FSAR, and design deviation identification and disposition.

### Effort by Licensee

A programmatic audit of S&L design control was needed to complete this task. The audit was conducted on September 1-3, 1982 in Chicago. There were no findings. The audit will not be closed until the two recommendations given by the audit team have been resolved.

The task is 99% complete with an estimated completion date of two weeks after the audit closure.

### NRC Effort/Action

The activity is being monitored with a closeout inspection planned to verify completion of the QCP task VIII items, to identify any generic implications, and to evaluate the licensee conclusions.



### Findings to Date

No significant findings have been identified to date regarding the S&L work; although, the S&L system has been made more formal.

One construction deficiency report has been identified to the NRC regarding design control.

### 9. Task IX, Design Document Changes (DDC)

Establish an accurate and complete listing of DDCs, DDC records, and associated QC inspection records.

#### Effort by Licensee

This task was divided into five phases as follows:

Phase I Classification of CG&E, S&L, and HJK, DDCs as essential or nonessential.

Phase IA Classification of WY&B and other site contractor DDCs as essential or nonessential.

Phase II Review inspection documentation to determine if CG&E, S&L, and HJK DDCs have been incorporated and inspected.

Phase IIA Review inspection documentation to determine if WY&B and other site contractor DDCs have been incorporated and inspected.

Phase III Electrical inspections in the control room.

The original task (Phases I and II) is 38.5% complete. Phases IA and IIA are 5.8% complete and Phase III is 8.3% complete.

The task involves 11 persons for Phases I, II, IA, and IIA with an estimated completion date of April 15, 1983. Phase III involves 6 persons with an estimated completion date of January 1, 1983.

#### NRC Effort/Action

Reviewed 429 initial issue NRs and 3 dispositioned NRs and inspected a selected number of those reviewed.

### Findings to Date

A number of deficiencies have been identified concerning missing documentation, misclassification of DDCs, inspection program deficiencies, failure to incorporate deficiencies, premature inspection, and incomplete inspection documentation.



10. Task X, Subcontractor QA Programs

Confirm the quality of the Bristol Steel work and review all subcontractor QA programs or safety-related work to ensure the safety-related activities performed were acceptable.

Effort by Licensee

Bristol field welds are being reviewed within Task I and 80 audits of subcontractors were identified encompassing 13 subcontractors. All 80 audits have been reviewed.

The task involves two persons and is 75% complete with an estimated completion date of October 30, 1982.

NRC Effort/Action

None during this period.

Findings to Date

Task I has identified many Bristol structural welds which do not meet the specifications. 846 NRs have been written on structural beam weld deficiencies and approximately 50% of these NRs address incorrect installation.

Six subcontractor audits may require audits of subsequent activities for confirmation of work that cannot be verified by document review or inspection.

Many of the 80 audits reviewed do not address all applicable criteria.

11. Task XI Audits

Review all past audits of HJK, S&L, GE, GED, EPD, EOTD, and GCD to determine depth and adequacy with respect to Appendix B to 10 CFR 50 and appropriate closeout of audit findings. Justify the acceptability of the areas not audited.

Effort by Licensee

Review of audits, audit summaries prepared, and all of the 296 past audits have been reviewed.

The task involves two persons and is 80 % complete with estimated completion date of November 15, 1982.

NRC Effort/Action

None during this period.

### Findings to Date

Coverage of the audits was not sufficient to verify adequate implementation of program requirements.

#### E. Ongoing Construction Activities

Major ongoing construction activities include installation and modification of pipe supports, drywell steel modifications, installation of drywell air coolers, seismic modification to switchgear, rework of control room structural steel, and installation of seismic columns. A number of these activities are critical path items with completion scheduled by July 1983.

#### F. Potential Plant Problems

The following is a list of areas or items which Region III considers as potential problems and are being monitored by the inspectors.

- . Rust on the stainless steel liner plate in suppression pool
- . Containment liner leak rate channel leakage (welds)
- . Sacrificial shield weld inadequacies (records and actual weld conditions)
- . Control panel mounting plug weld inadequacies
- . Cable tray trapeze weld and support stud inadequacies
- . Past personnel qualifications
- . Past weld procedures
- . Purchase of equipment
- . Structural steel bolting

#### G. Freedom of Information Act (FOIA) Requests

None during this period.

SUMMARY OF THE PROGRESS OF QUALITY CONFIRMATION PROGRAM (QCP) TASK AREAS  
AS OF APRIL, JUNE, JULY, AUGUST, AND SEPTEMBER 1982

<u>TASK AREA</u>	<u>PERCENT COMPLETE/EXPECTED COMPLETION AS OF</u>				
	<u>APRIL</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUGUST</u>	<u>SEPTEMBER</u>
I. STRUCTURAL STEEL*	4% 12/01/82	31% 12/01/82	35% 12/01/82	50% 12/01/82	57% 12/01/82
II. WELD QUALITY*	34% 10/31/82	58% **	58% **	62% **	68% **
III. HEAT NUMBER TRACEABILITY*	55% 10/06/82	30% **	30% **	33% **	33% **
IV. SOCKET WELD FITUP	96% 08/13/82	98% 08/01/82	95% 10/01/82	96% 10/01/82	98% 12/01/82
V. RADIOGRAPHS	95% 10/04/82	97% 08/01/82	97% 09/15/82	98% 11/15/82	98% 11/15/82
VI. CABLE SEPARATION	49% 07/30/82	54% 12/31/82	52% 12/31/82	35% 06/01/83	44% 06/01/83
VII. NONCONFORMANCES	66% 08/20/82	61% 12/31/82	40% 12/31/82	52% 12/31/82	61% 01/30/83
VIII. DESIGN CONTROL AND VERIFICATION	90% 06/01/82	97% 07/15/82	99% 08/15/82	99% **	99% **
IX. DESIGN DOCUMENT CHANGES	28% 12/31/82	34% 12/31/82	35% 12/31/82	<32% 04/15/83	<33% 04/15/83
X. SUBCONTRACTOR QA PROGRAMS	37% 07/16/82	60% 08/13/82	65% 09/15/82	75% 10/15/82	75% 10/30/82
XI. AUDITS	45% 07/16/82	70% 10/08/82	72% 10/08/82	74% 11/15/82	80% 11/15/82

\*Areas viewed by Region III as potentially requiring a significant amount of rework.  
\*\*Estimated completion date to be determined.

QUALITY CONFIRMATION PROGRAM

STATUS

(AS OF JULY 31, 1982)

BY

J. F. SHAFFER

DIRECTOR, QUALITY CONFIRMATION PROGRAM

ATTACHMENT II

TASK 1: STRUCTURAL STEEL

ACTION BEING TAKEN

- A. 100% VISUAL INSPECTION OF ACCESSIBLE STRUCTURAL STEEL 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 FIELD WELDED ELECTRICAL CABLE TRAY SUPPORTS IN THE CONTROL ROOM.
- D. 100% VISUAL INSPECTION OF HVAC SUPPORTS IN THE CONTROL ROOM.

SUMMARY OF TASK

AREA	TOTAL NUMBER OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETED THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAININ
FOOT CONNECTIONS	259	0	259	0	100%	0	0
DRYWELL (LESS 525 ELV)	394	90	326	27	82	450	201
REACTOR, AUX, SRV WATER BLDG	3032	240	1050	7	35	1440	16,153
CONTROL RM ELEC SUPTS	720	0	0	0	0	0	400
CONTROL RM HVAC SUPTS	195	0	0	0	0	0	870

CURRENT STATUS AND RESULTS

1. NONCONFORMANCE REPORT (NR) SUMMARY

AREA	NR'S WRITTEN	QUANTITY DEFICIENCIES IDENTIFIED	NUMBER DEFICIENCIES DISPOSITIONED	ACCEPT AS IS	REWORK	REJECT	REPAIR
FOOT CONNECTIONS	253	975	242	139	88	0	15
DRYWELL	189	901	260	6	249	4	1



TASK 1: (CONT'D)

AREA	WRITTEN	QUANTITY DEFICIENCIES IDENTIFIED	NUMBER DEFICIENCIES DISPOSITIONED	ACCEPT AS IS	REWORK	REJECT	REPAIR
CONTROL RM	144	2,454	2,331	17	2,312	4	1
GALLERY STEEL	39	121	121	0	121	0	1
SWITCHGEAR 567' 5"	6	1,930	1,925	0	1,925	0	0
TOTAL	444	6,381	4,879	162	4,607	4	17

NOTE: 58.3 OF THE DEFICIENCIES ATTRIBUTED TO: OVERLAP 18.19%, UNDERSIZE WELD 9.47%, UNDERCUT 10.25%, WELD PROFILE 12.30%, LACK OF FUSION 9.53%.

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).
3. COSMETIC REWORK HAS BEEN REQUIRED ON 70% OF THE BEAMS INSPECTED, TO OBTAIN RESULTS IN COMPLIANCE WITH AWS D1.1 1972 ACCEPTANCE CRITERIA.
4. PROCEDURE FOR THE INSPECTION OF CONDUIT HANGERS AND HVAC SUPPORTS WILL BE COMPLETED AUGUST 30, 1982.
5. PROCEDURE 19-QA-32 (INSPECTION OF ELECTRICAL CABLE TRAY SUPPORTS) WILL BE COMPLETED BY AUGUST 6, 1982.

TO BE RESOLVED.

1. PRELIMINARY RANDOM INSPECTION OF THE SERVICE WATER BUILDING'S STRUCTURAL WELDS, INDICATES THAT THE WELDS APPEAR TO MEET AWS D1.1-72. A RANDOM SAMPLE INSPECTION OF WELDS MAY BE SUBMITTED TO NRC FOR JUSTIFICATION OF LESS THAN 100% INSPECTION.

COMMENTS

1. TASK 1 HAS EXPANDED OUTSIDE OF THE ORIGINAL SCOPE OF NRC REPORT 81-13 TO INCLUDE THE INSPECTION OF ELECTRICAL AND HVAC SUPPORTS IN THE CONTROL ROOM. THIS WILL REQUIRE ADDITIONAL MANPOWER (11 INSPECTORS) TO COMPLETE. REQUEST FOR INCREASE IN MANPOWER WILL BE SUBMITTED 8-9-82.
2. DECREASE IN PERCENTAGE COMPLETE OF DRYWELL DUE TO STRUCTURAL SUPPORT WELDS NOT INCLUDED IN ORIGINAL INSPECTION.

TASK 1: (CONT'D)

PRESENT MANPOWER SUMMARY

ACTUAL

TASK COORDINATOR	1
ENGINEERS	0
QUALITY SPECIALISTS	3
INSPECTORS	14
DOCUMENT REVIEWERS	10
CLERKS	0
TOTAL	<u>28</u>

STATUS

THIS TASK IS APPROXIMATELY 35% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 1, 1982

TASK -I: WELD QUALITY

ACTION BEING TAKEN

- A. PERFORM A 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. VERIFY PROPER WELD PROCEDURE AND WELDER QUALIFICATION.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETE THIS MONTH	PERCENT COMPLETE TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
STRUCTURAL KE-1 REVIEW	11,000	0	11,000	0	98*	16	416
SM. BORE PIPE	32,000	0	25,841	0	79	196	837
LG. BORE PIPE	(APPX) 9400 (380 PSK'S)	0	0	0	0	0	1,373
WELD PROCEDURE REVIEW	77 (PROCEDURES)	0	0	0	0*	50	302*
WELDER QUALIFICATION REVIEW	4600 (DOCUMENTS)	305	1,608	7	35	120	1,430
WELD ROD CONTROL		0	0	0	0	11*	416

- 1) \*REMAINING 2% TO COMPLETE REPORT.
- 2) (#4)\*PRELIMINARY REVIEW HAS BEEN CONDUCTED. 93% COMPLETE.
- 3) (#6)\*MANHOURS EXPENDED TO ESTABLISH DIRECTION FOR REVIEW.

CURRENT STATUS AND RESULTS

- 1. PROCEDURE FOR THE QCP REVIEW OF WELD PROCEDURES WILL BE COMPLETED AUGUST 13, 1982.
- 2. PROCEDURE BEING WRITTEN FOR WELD ROD CONTROL. PROCEDURE WILL GO OUT FOR REVIEW BY AUGUST 13, 1982.
- 3. LARGE BORE PIPE PROCEDURE BEING WRITTEN TO OVERSEE HJK'S REVIEW. THIS PROCEDURE WILL GO OUT FOR REVIEW BY AUGUST 18, 1982.
- 4. APPROXIMATELY 7% OF SMALL BORE WELDS HAVE NR'S WRITTEN AGAINST WELD QUALITY DOCUMENTS.

TASK II: (CONT'D)

TO BE RESOLVED

1. COORDINATION WITH HJK REVIEW FOR NPP-1 PROGRAM TO EFFECT A COORDINATED N-5 PROGRAM.

COMMENTS

1. WELD ROD HEAT NUMBERS WILL BE COMPARED WITH THE CONFIRMED ACCEPTABLE HEAT NUMBER LIST ESTABLISHED BY TASK III. IN ADDITION, REVIEW OF PROCEDURES, AUDITS, AND SURVEILLANCE REPORTS WILL BE INITIATED TO CONFIRM PROPER ROD CONTROL AND STORAGE.
2. LARGE BORE PROGRAM BEING COORDINATED WITH HJK DOCUMENT REVIEW TO MINIMIZE DUPLICATION AND EXPEDITE COMPLETION.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	0
QUALITY SPECIALISTS	2 1/2
INSPECTORS	1
DOCUMENT REVIEWERS	0
CLERKS	1/2
TOTAL	<u>4</u>

STATUS

THIS TASK IS APPROXIMATELY 58% COMPLETE.

ESTIMATED COMPLETION DATE

TO BE DETERMINED BY HJK SCHEDULE OF NPP-1/N-5 PROGRAMS (TO DATE, SCHEDULE NOT POSTED.)

TASK III: HEAT NUMBER TRACEABILITY

ACTION BEING TAKEN

- A. PERFORM A 100% REVIEW OF PURCHASE ORDERS TO ESTABLISH A LIST OF ACCEPTABLE HEAT NUMBERS.
- B. 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.
- C. PERFORM A 100% REVIEW OF PURCHASE ORDERS FOR STRUCTURAL BEAMS AND STEEL PLATE TO DETERMINE ACCEPTABILITY OF THE BEAMS AND PLATE. RESULTS OF THE REVIEW WILL BE USED TO ANSWER TASK I CONCERNS ABOUT BEAMS RECEIVED FROM UN-APPROVED VENDORS AND RESOLVE IDENTIFICATION NOT BEING MAINTAINED ON SOME BEAMS AND PLATE.
- D. 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.

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) SM. BORE DOCUMENTATION	2691 ISK	0	0	0	0	300*	3200*
2) SM. BORE WALKDOWN	2691 ISK	88	2691	3.6	100	*	*
3) LG. BORE DOCUMENTATION	(APPX) 380 PSK	0	0	0	0	0	74,600** 36 man/years
4) LG. BORE WALKDOWN	(APPX) 380 PSK	0	0	0	0	0	**
5) PURCHASE ORDER REV. ESSENTIAL/ NONESSENTIAL	7592	333	7592	5	100	240	0
6) PURCHASE ORDER REVIEW ESSENTIAL	4700	0	0	0	0	0	3210



TASK III: (CONT'D)

- 1) \* TOTAL MANHOURS SHOWN IS FOR BOTH SMALL BORE DOCUMENTATION AND WALKDOWN.
- 2) \*\* MANHOURS REMAINING IS FOR BOTH LARGE BORE WALKDOWN AND DOCUMENTATION.
- 3) (#5) PURCHASE ORDER REVIEW TO DETERMINE ESSENTIAL, NON-ESSENTIAL STATUS.

CURRENT STATUS AND RESULTS

1. OVERALL PURCHASE ORDER REVIEW IS 35% COMPLETE.
2. VALIDATING CMTR'S FOR STRUCTURAL ITEMS RECEIVED ON NONESSENTIAL PO'S THROUGH USER TESTS OR QUALIFYING SUPPLIER. SIMILAR REVIEW AND ACTION BEING COMPLETED FOR ASME PIPING COMPONENTS.
3. 1355 STRUCTURAL STEEL PURCHASE ORDERS HAVE BEEN IDENTIFIED. OF THIS NUMBER, 1022 ARE ESSENTIAL AND 333 NONESSENTIAL.

TO BE RESOLVED

1. FINAL REVIEW OF DOCUMENTATION GENERATED OR VERIFIED BY SMALL BORE WALKDOWN HAS NOT STARTED AT THIS TIME. A PROPOSED PROGRAM USING A STATISTICAL SAMPLING PLAN OR A QCP OVERVIEW OF HJK SMALL BORE DOCUMENTATION REVIEWS IS BEING CONSIDERED.

COMMENTS

1. THE FIGURE SHOWN FOR LARGE BORE REFLECTS AN APPROXIMATE NUMBER OF MANHOURS NECESSARY FOR THE QCP TO PERFORM THE LARGE BORE WALKDOWN AND DOCUMENTATION REVIEW. THIS FIGURE WOULD BE MUCH LESS IF HJK PERFORMED THIS FUNCTION AND QCP PERFORMED A SURVEILLANCE OF THEIR ACTIVITY.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	1
QUALITY ENGINEERS	2
INSPECTORS	1 1/2
DOCUMENT REVIEWERS	1
CLERKS	1/2
TOTAL	5

STATUS

THIS TASK IS 30% COMPLETE.

ESTIMATED COMPLETION DATE

TO BE DETERMINED AFTER COORDINATION WITH HJK AND C. E. DOCUMENTATION REVIEW GROUP.

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 ACCESSABLE WELDS NOT HAVING VERIFICATION OF DISENGAGEMENT.

SUMMARY OF TASK

AREA	TOTAL # NUMBER 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 DISENGAGE- MENT	32,000	0	29,821	0	95	0	190

CURRENT STATUS AND RESULTS

- A. REVIEW OF HJK ISK DRAWINGS ALONG WITH THE BACK-UP DOCUMENTATION TO DETERMINE WHICH SOCKET WELDS WILL REQUIRE RADIOGRAPHY IS 95% COMPLETE.
- B. 565 WELDS HAVE BEEN IDENTIFIED AS LACKING EVIDENCE OF DISENGAGEMENT AND RADIOGRAPHED.
- C. 106 WELDS HAVE BEEN REJECTED BY RADIOGRAPHY FOR LACKING DISENGAGEMENT.
- D. REJECTED WELDS ARE IDENTIFIED ON NONCONFORMANCE REPORTS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	0
QUALITY ENGINEERS	0
INSPECTORS	0
DOCUMENT REVIEWER	0
CLERKS	0
TOTAL	0

CG&E LEVEL III RADIOGRAPHER IS ALSO PROVIDING SUPPORT (NOT INCLUDED ABOVE).

STATUS

THIS TASK IS 95% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 1, 1982

TASK V: RADIOGRAPHS

ACTION TO BE TAKEN

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	61	20	20	30.3	30.3	60	180

CURRENT STATUS AND RESULTS

- A. REVIEW OF 4250 WELD RADIOGRAPHS FOR SENSITIVITY IS COMPLETE.
- B. 61 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. 20 OF THE 61 RADIOGRAPHS HAVE BEEN RE-RADIOGRAPHED, AND ACCEPTED.

TO BE RESOLVED

COMMENTS

AT PRESENT, THE REVIEW OF THESE RADIOGRAPHS ARE BEING DONE BY CG&E LEVEL III.

MANPOWER SUMMARY

PERSONNEL ASSIGNED TO TASK III WILL SUPPORT THIS ACTIVITY.

STATUS

THIS TASK IS APPROXIMATELY 97% COMPLETE.

ESTIMATED COMPLETION DATE

SEPTEMBER 15, 1982.

TASK-VI: CABLE SEPARATION

ACTION BEING TAKEN

100% INSPECTION OF SLEEVES AND CLASS IE FLOOR PENETRATIONS FOR SEPARATION IDENTIFICATION AND ROUTING.

100% INSPECTION OF CABLES INSIDE 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.

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.

TRACK RESOLUTION OF SIX SAMPLES OF FAILURE TO MEET CABLE SEPARATION CRITERIA IDENTIFIED BY THE NRC.

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>
WALL PENETRATION SLEEVES	182	0	182	0	100	0	160
ASSC. CABLES CLASS IE PANELS	392	0	391	0	100	680	0
IE PANELS (CABLE RM TO CONTROL RM)	4210	0	0	0	0	0	6,941
REVIEW OF EER RESPONSES		0	18	0	49	20	0
ADMINISTRATIVE	0	0	0	7.0	56	272	1,728
TRAY SYSTEM WALKDOWN	1778	0	0	0	0	0	9,779

CURRENT STATUS AND RESULTS

A. A TOTAL OF 504 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN FOR SEPARATION, IDENTIFICATION AND ROUTING DEFICIENCIES. 273 NR'S DISPOSITIONED (101 REWORK, 172 ACCEPT-AS-IS). 203 OF THE 273 DISPOSITIONED NR'S HAVE BEEN CLOSED.

TASK VI: (CONT'D)

- B. TASK VI EXPANDED TO INSPECT ALL CLASS IE PANELS WITH POTENTIAL SEPARATION PROBLEMS. PROCEDURE 19-QA-31 IS PREPARED AND APPROVED TO PERFORM THIS INSPECTION.
- C. THE DECISION HAS BEEN MADE TO WALKDOWN TRAY SYSTEM IN PLACE OF CLOSING OUT ASSOCIATED CABLE INSPECTION RECORDS SINCE CONFIDENCE LEVEL HAS NOT BEEN MET. THE PROCEDURE FOR TRAY INSPECTION WILL BE SUBMITTED FOR REVIEW ON 8-16-82.
- D. STATUS OF SIX EXAMPLES OF LACK OF SEPARATION: (2) CORRECTED, (1) IN-PROCESS, (2) ACCEPTED BY ENGINEERING, AND (1) IDENTIFIED ON NR.

COMMENT

- A. IT IS ESTIMATED THAT 9,799 MANHOURS WILL BE REQUIRED FOR TRAY SYSTEM WALK-DOWN (NOTE ITEM C ABOVE).

MANPOWER SUMMARY

ENGINEERS  
QUALITY ENGINEERS  
INSPECTORS  
DOCUMENT REVIEWERS  
CLERKS

ACTUAL

3  
-  
4  
-  
-

TOTAL

---

7

STATUS

52% COMPLETE (EXPANDED SCOPE MANHOURS)

ESTIMATED COMPLETION DATE

DECEMBER 31, 1982



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	1769	0	1031	0	58	0	921
VOIDED NR REVIEW SECONDARY	1769	0	900	0	50	0	807
SURVEILLANCE REPORT REV.	3500	0	3129	0	89	0	5590
PUNCHLIST REVIEW	(APPX) 25,000	0	0	0	0	0	1200
CLOSED NR REVIEW	300	0	0	0	15	0	200
NR'S FROM INSPECTORS	UNKNOWN	0	-	0	-	0	80

CURRENT STATUS AND RESULTS

- A. PROCEDURES FOR THE REVIEW OF PUNCHLIST ITEMS (19-QA-20) AND CLOSED NR'S (19-QA-29) BEING DEVELOPED AND WILL BE OUT FOR REVIEW BY AUGUST 18, 1982.
- B. THE COMPLETED REVIEW OF 290 CLOSED NR'S REPORTED LAST MONTH WAS INCOMPLETE. THE PROCEDURE FAILED TO REQUIRE A QUALITY ENGINEER'S REVIEW OF THE DISPOSITION. THE PORTION OF THE REVIEW COMPLETED ESTABLISHED THE FOLLOWING:
  - 1) NR FORM WERE COMPLETE WITH ALL REQUIRED SIGNATURES.
  - 2) DISPOSITION OF THE NR ADDRESSED ALL ASPECTS OF THE NONCONFORMING CONDITION.

TASK VII: (CONT'D)

- C. THE PROCEDURE FOR REVIEW OF VOIDED NR'S IS BEING REWRITTEN TO INCLUDE VOIDED CG&E 7000 SERIES NR'S AND A GROUP OF DOCUMENTS (i.e. SURVEILLANCE REPORTS, RECEIPT DOCUMENTS) LISTING NONCONFORMING CONDITIONS.
- E. 38 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN DUE TO REOPENING OF VOIDED NR'S. FIFTEEN HAVE BEEN DISPOSITIONED TO DATE, 10 ACCEPT AS IS, 5 REWORK.

COMMENTS

MANPOWER SUMMARY

ACTUAL

ENGINEERS	-
QUALITY SPECIALIST	1
INSPECTORS	-
DOCUMENT REVIEWERS	2
CLERKS	-
TOTAL	<u>3</u>

STATUS

THIS TASK IS APPROXIMATELY 40% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 31, 1982

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 REVIEW AND VERIFICATION IS COMPLETE. ALL DOCUMENTATION HAS BEEN RECEIVED FROM S&L AND A FINAL REPORT WILL BE ISSUED BY AUGUST 15, 1982. THE NRC REVIEW WILL BE PERFORMED DURING THE WEEK OF 8-9-82.

TASK IX: DESIGN DOCUMENT CHANGES

ACTION BEING TAKEN

COMPILE A COMPUTER LISTING OF ALL DDC'S.

REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTORS' DDC'S TO DETERMINE PROPER CLASSIFICATION.

REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTOR'S ESSENTIAL DDC'S TO DETERMINE IF DDC'S WERE INCORPORATED IN INSPECTION DOCUMENTATION.

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
IX							
PHASE I	19,711	0	18,725	0	95	0	80
PHASE II	9,111	137	2,788	1.5	31	1584.5	15,858.5
PHASE IA	2,600	564	564	21.6	21.6	44	166
PHASE IIA	2,200	0	0	0	0	31	5,500

CURRENT STATUS AND RESULTS

- A. CLASSIFICATION OF CG&E, S&L AND HJK DDC'S AS ESSENTIAL OR NONESSENTIAL IS 95% COMPLETE.
- B. REVIEW OF INSPECTION DOCUMENTATION IS 31% COMPLETE FOR THE ORIGINAL SCOPE. 643 DEFICIENCIES IDENTIFIED FOR REPORTING VIA DOCUMENT DEFICIENCY NOTICES OR NONCONFORMANCE REPORTS AS APPLICABLE.

<u>PROBLEM/DEFICIENCY</u>	<u>ELECT.</u>	<u>MECH.</u>	<u>STRUCT.</u>	<u>TOTAL</u>
1. MISSING DOCUMENTATION	82	8	104	194
2. DDC MIS-CLASSIFICATION	10	3	3	16
3. INSPECTION PROGRAM DEFICIENCIES & MISC.	13	25	21	59
4. DDC NOT INCORPORATED IN DOCUMENTATION	85	10	236	331
5. INSPECTION PRIOR TO DDC BEING WRITTEN (AS-BUILT)	3	10	-	13
6. INCOMPLETE INSPECTION	8	-	22	30
TOTAL	201	56	386	643

TASK IX: (CONT'D)

C. THE FOLLOWING CER'S WERE INITIATED BY TASK IX THE PAST MONTH DUE TO DOCUMENTATION DEFICIENCIES:

- A. DRYWELL AREA STEEL.
- B. DOWNCOMER BRACING STEEL.
- C. MSRV SUPPORT STEEL.
- D. PIPE WHIP RESTRAINTS.

TO BE RESOLVED

COMMENTS

WE ARE WAITING FOR HJK TO SUPPLY BACKUP DOCUMENTATION AND CG&E QA TO RESPOND TO CER'S AND CAR'S IN ORDER TO REVIEW SOME DDC'S.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	5
QUALITY ENGINEERS	-
INSPECTORS	-
DOCUMENT REVIEWERS	5
CLERKS	1
TOTAL	<u>11</u>

STATUS

THIS TASK IS APPROXIMATELY 35% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 31, 1982



TASK X: SUBCONTRACTOR/QA PROGRAM

ACTION BEING TAKEN

- A. ALL CG&E QA AUDITS OF SUBCONTRACTORS/VENDORS HAVE BEEN IDENTIFIED.
- B. MATRICES HAVE BEEN DEVELOPED SHOWING WHICH 10CFR50 APPENDIX B CRITERIAS WERE VERIFIED DURING THESE AUDITS.
- C. AUDIT REPORTS ARE BEING REVIEWED AND SUMMARIZED ON INDIVIDUAL FORMS.
- D. EVALUATIONS ARE MADE OF THE SCOPE AND DEPTH OF THE AUDITS TO DETERMINE WHETHER THESE AUDITS COVERED ALL APPLICABLE 10CFR50, APPENDIX B CRITERIAS IN SUFFICIENT DETAIL.
  1. IF EVALUATIONS PROVE SUBCONTRACTORS PROGRAMS ACCEPTABLE THESE CAN BE CLOSED.
  2. IF EVALUATIONS CANNOT PROVIDE EVIDENCE THAT SUBCONTRACTOR PROGRAMS WERE SATISFACTORY, ALTERNATE MEASURE TO VERIFY HARDWARE INTEGRITY, SUCH AS REVIEW OF INTERNAL AUDITS PERFORMED BY SUBCONTRACTORS, REVIEW OF QUALITY DOCUMENTATION (INSPECTION RESULTS) TO PROVE ADEQUATE PROGRAM COVERAGE, COVERAGE IN OTHER QCP TASKS, RE-AUDIT OR HARDWARE INSPECTION AND/OR TESTING, WILL BE PURSUED.

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
SUBCONTRACTOR QA PROGRAMS	80	-	72	-	65	-	-

CURRENT STATUS AND RESULTS

- A. PROCEDURE FOR INTERFACE WITH OTHER QCP TASKS TO VERIFY ADEQUACY OF WORK IS BEING DEVELOPED. DRAFT OF THIS PROCEDURE WILL BE COMPLETED AND READY FOR REVIEW THE WEEK OF AUGUST 7, 1982.
- B. EIGHTY (80) AUDITS OF SUBCONTRACTORS WERE IDENTIFIED AS BEING PERFORMED PRIOR TO APRIL 8, 1981. THESE AUDITS ENCOMPASSED THIRTEEN (13) DIFFERENT SUBCONTRACTORS. OF THE THIRTEEN SUBCONTRACTORS, SIX MAY REQUIRE AUDITS OF SUBSEQUENT ACTIVITIES FOR CONFIRMATION OF THE WORK WHICH CANNOT BE ACCOMPLISHED BY DOCUMENT REVIEW OR INSPECTION. AT THIS TIME, 72 OF THE 80

TASK X: (CONT'D)

AUDITS HAVE BEEN REVIEWED. THE SCOPE OF MANY OF THE AUDITS DO NOT ADDRESS APPLICABLE CRITERIA.

TO BE RESOLVED

COMMENTS

- A. THE ESTIMATED TIME REQUIRED FOR COMPLETION IS 45 MAN DAYS WHICH INCLUDES COMPLETION OF THE REVIEW, EVALUATION OF PAST AUDITS, AND POTENTIAL AUDITS OF SIX SUBCONTRACTORS.
- B. IF THE SCOPE AT THIS TASK IS EXPANDED TO INCLUDE VENDORS WHICH SUPPLIED MATERIAL BUT HAVE NOT BEEN AUDITED, IT IS ESTIMATED THAT A MINIMUM OF 10 MAN DAYS PER VENDOR WILL BE REQUIRED TO COMPLETE AN AUDIT.

STATUS

THIS TASK IS 65% COMPLETE.

ESTIMATED COMPLETION DATE

SEPTEMBER 15, 1982

TASK XI: AUDITS

ACTION BEING TAKEN

- A. REVIEW ALL PAST QA AUDITS OF HJK, S&L, GE, NPD, NED, EOTD, AND GCD.
- B. DEVELOPE MATRICES SHOWING WHICH 10CFR50 APPENDIX B CRITERIA WERE IDENTIFIED DURING AUDITS.

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
AUDITS REVIEWED	296	8	215	2	72	-	-

CURRENT STATUS AND RESULTS

- A. PRELIMINARY EVALUATION INDICATES THAT MOST AUDITS WERE OF LIMITED SCOPE, HOWEVER COLLECTIVELY DUE TO THE LARGE NUMBER OF AUDITS PERFORMED, THE APPLICABLE 18 CRITERIA WERE COVERED FOR HJK, EOTD, NED, GCD, AND NPD. THERE WERE AREAS NOT COVERED IN AUDITS OF S&L AND GE SUBSEQUENT TO APRIL 8, 1981, HOWEVER, CURRENT AUDITS OF S&L AND GE HAVE COVERED THE MAJORITY OF APPLICABLE CRITERIA.
- B. PROCEDURE FOR INTERFACE WITH THE QCP TASKS TO VERIFY ADEQUACY OF WORK IS BEING DEVELOPED. DRAFT OF THIS PROCEDURE WILL BE COMPLETE AND READY FOR REVIEW THE WEEK OF AUGUST 7, 1982.

COMMENTS

- A. IT IS ESTIMATED THAT 75 MAN DAYS WILL BE REQUIRED FOR REVIEW AND EVALUATION OF THE REMAINING AUDITS, AND FOR AUDITING THE REMAINING MISSED CRITERIA.

STATUS

THIS TASK IS 72% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 8, 1981

QUALITY CONFIRMATION PROGRAM

STATUS

(AS OF AUGUST 31, 1982)

BY

J. F. SHAFFER

DIRECTOR, QUALITY CONFIRMATION PROGRAM

ATTACHMENT III

TASK I: STRUCTURAL STEEL

ACTION BEING TAKEN

- A. 100% VISUAL INSPECTION OF ACCESSIBLE STRUCTURAL STEEL FIELD WELDS, BRISTOL SHOP WELDS, RE-ENFRANT 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 FIELD WELDED ELECTRICAL CABLE TRAY SUPPORTS IN THE CONTROL ROOM.
- D. 100% VISUAL INSPECTION OF HVAC SUPPORTS IN THE CONTROL ROOM.

SUMMARY OF TASK

AREA	TOTAL NUMBER OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETE TO DATE	MANHOURS EXPANDED THIS MONTH	MANHOURS REMAINING
DRYWELL LESS 525 ELV	322	18	322	6	100	90	0
REACTOR, AUX SRV WATER BLDG	3002	329	1386	10	46	1974	9696
CONTROL RM HVAC SUFTS	105	0	0	0	0	0	630

CURRENT STATUS AND RESULTS

1. NONCONFORMANCE REPORT (NR) SUMMARY

AREA	NR'S WRITTEN	QUANTITY DEFICIENCIES IDENTIFIED	NUMBER DEFICIENCIES DISPOSITIONED	ACCEPT AS IS	REWORK	REJECT	REPAIR
FOOT CONNECTIONS	253	975	242	139	88	0	15
DRYWELL	276	1790	279	10	271	4	3
CONTROL RM.	146	2488	2331	17	2312	4	1
GALLERY STL	40	122	121	0	121	0	1
WITCHGR 567'5"	29	1953	1955	0	1933	0	2
WITCHGR 546'	30	869	0	8	7	0	1
AUX. BLD ROOF 591'	1	119	0	0	0	0	0
TOTAL	775	8316	4928	174	4732	8	23



TASK I: (CONT'D)

NOTE: 70% OF THE DEFICIENCIES ATTRIBUTED TO: OVERLAP 26%, UNDERSIZE WELD 8%, UNDERCUT 24%, WELD PROFILE 3%, LACK OF FUSION 9%.

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).
3. COSMETIC REWORK HAS BEEN REQUIRED ON 70% OF THE BEAMS INSPECTED, TO OBTAIN RESULTS IN COMPLIANCE WITH AWS D1.1 1972 ACCEPTANCE CRITERIA.
4. PROCEDURE FOR THE INSPECTION OF HVAC SUPPORTS WAS COMPLETED AUGUST 25, 1982.

TO BE RESOLVED

1. PRELIMINARY RANDOM INSPECTION OF THE SERVICE WATER BUILDING'S STRUCTURAL WELDS, INDICATES THAT THE WELDS APPEAR TO MEET AWS D1.1 1972. A RANDOM SAMPLE INSPECTION OF WELDS MAY BE SUBMITTED TO NRC FOR JUSTIFICATION OF LESS THAN 100% INSPECTION.

COMMENTS

1. TASK 1 HAS EXPANDED OUTSIDE OF THE ORIGINAL SCOPE OF NRC REPORT 81-13 TO INCLUDE THE INSPECTION OF HVAC SUPPORTS IN THE CONTROL ROOM, THE INSPECTION OF CONDUIT HANGER AND CABLE TRAY SUPPORTS IDENTIFIED IN LAST MONTHS REPORT HAS BEEN TRANSFERRED TO TASK IX.

PRESENT MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
ENGINEERS	0
QUALITY SPECIALISTS	3
INSPECTORS	12
DOCUMENT REVIEWERS	9
CLERKS	0
TOTAL	<u>25</u>

STATUS

THIS TASK IS APPROXIMATELY 50% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 1, 1982

## TASK II: WELD QUALITY

### ACTION BEING TAKEN

- A. PERFORM A 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. VERIFY PROPER WELD PROCEDURE AND WELDER QUALIFICATION.

### SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	PERCENT COMPLETE THIS MONTH	PERCENT COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
) STRUCTURAL KE-1 REVIEW	11,000	0	11,000	0	98*	16	416
) SM BORE PIPE	32,000 (APPX)	0	25,841	0	79	196	837
) LG BORE PIPE	9400 (380 PSK'S)	0	0	0	0	0	1373
) WELD PRO- CEDURE REVIEW	91 (PROCEDURES) 121 REV'S	0	0	0	0* (SEE NOTE 2 & 3 UNDER CURRENT STATUS)	34	302*
) WELDER QUAL. REVIEW	4600 (DOCUMENTS)	198	1806	4	39	37	1393
) WELD ROD CONTROL		0	0	0	0	11*	416

- 1) \*REMAINING 2% TO COMPLETE REPORT.
- 2) (#4)\*PRELIMINARY REVIEW. 93% COMPLETE.
- 3) (#6)\*MANHOURS EXPENDED TO ESTABLISH DIRECTION FOR REVIEW.

### CURRENT STATUS AND RESULTS

1. THE REVISED PROCEDURE FOR QCP REVIEW OF WELD PROCEDURES WAS REVIEWED AND SIGNED AUGUST 23, 1982.
2. MANHOURS EXPENDED WERE USED TO RESEARCH DATA ON WELD PROCEDURES (I.E. AUDITS BY CG&E, HJK, CAR'S AND STOP WORK ORDERS).
3. MANHOURS REMAINING NOT REDUCED, MANHOURS REMAINING REPRESENTS TIME TO PERFORM ACTUAL REVIEW OF PROCEDURES (I.E. CHECK LIST, CER'S).
4. APPROXIMATELY 7% OF SMALL BORE WELDS HAVE NR'S WRITTEN AGAINST WELD QUALITY DOCUMENTS.

TASK II: (CONT'D)

COMMENTS

1. A PROCEDURE TO BE WRITTEN FOR THE LARGE BORE REVIEW PROGRAM, WHICH IS COORDINATED WITH HJK - TO MINIMIZE DUPLICATION OF REVIEW.
2. PROCEDURE NOT WRITTEN FOR WELD ROD CONTROL YET, DUE TO LACK OF PERSONNEL TO PERFORM INVESTIGATION FOR PROCEDURE.
3. 100 MANHOURS EXPENDED IN THE RESEARCH OF RCI'S QA PROGRAM, FIELD WALKDOWN FOR INFORMATION, REVIEW OF STOPWORK ORDER AND ALL CORRESPONDENCE WHICH DID OR DID NOT EFFECT RCI'S WORK AND OR THE STOP WORK ORDER AND DRAWING RETRIEVAL FROM S&L.
4. THE NUMBER OF WELD PROCEDURES AND REV'S IS BASED ON S&L INFORMATION SUPPLIED ON SLC NO. 23775 AUGUST 19, 1982 PROJECT NO. 6020-26.

TO BE RESOLVED

1. COORDINATION WITH HJK REVIEW FOR NPP-1 PROGRAM TO EFFECT A COORDINATED N-5 PROGRAM.
2. CONFIRM ACCEPTABLE HEAT NUMBERS ESTABLISHED BY TASK III.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	0
QUALITY SPECIALISTS	1/2
INSPECTORS	1
DOCUMENT REVIEWERS	2
CLERKS	1/2
TOTAL	<u>4</u>

STATUS

THIS TASK IS APPROXIMATELY 62% COMPELTE.

ESTIMATED COMPLETION DATE

TO BE DETERMINED BY HJK SCHEDULE OF NPP-1/N-5 PROGRAMS (TO DATE, SCHEDULE NOT POSTED.)

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 I 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
) SM BORE DOC	2691 ISK	0	0	0	0	300*	3200*
SM BORE WLKDOWN	2691 ISK (APPX)	88	2691	3.6	100	*	*
) LG BORE DOC	380 PSK (APPX)	0	0	0	0	0	74,600**
LG BORE WLKDOWN	380 PSK	0	0	0	0	0	**
) PURCHASE ORDER REVW.	6293	0	0	0	0	0	3210****
) HJK STRCTL STEEL P.O.'S ESS/NONESS.	1593	1260	1593	75	95	200	40*****
) GAMMA PLUG 50.55e M-56	420	0	0	0	0	160	682*****

TASK III: (CONT'D)

- 1) \*TOTAL MANHOURS SHOWN IS FOR BOTH SMALL BORE DOCUMENTATION AND WALKDOWN.
- 2) \*\*MANHOURS REMAINING IS FOR BOTH LARGE BORE WALKDOWN AND DOCUMENTATION.
- 3) \*\*\*INCLUDES STRUCTURAL STEEL P.O.'S IDENTIFIED IN ACTION D.
- 4) \*\*\*\*5% REMAINING TO COMPLETE IS TO PERFORM FINAL REVIEW.
- 5) \*\*\*\*\*MANHOURS EXPENDED WERE TO PERFORM PRELIMINARY RESEARCH AND PROCEDURE PREPARATIONS.

CURRENT STATUS AND RESULTS

1. HJK IS VALIDATING CMTR'S FOR STRUCTURAL ITEMS RECEIVED ON NONESSENTIAL PO'S THROUGH USER TESTS OR QUALIFYING SUPPLIER. SIMILAR REVIEW AND ACTION BEING COMPLETED FOR ASME PIPING COMPONENTS.
2. 1593 STRUCTURAL STEEL PURCHASE ORDERS HAVE BEEN IDENTIFIED. OF THIS NUMBER, 957 WERE ORDERED ESSENTIAL AND 636 WERE ORDERED NONESSENTIAL.
3. A LIST OF ALL CODE RELATED GAMMA PLUGS AND THEIR LOCATION HAS BEEN PREPARED. INSPECTION WILL COMMENCE WHEN PROCEDURE IS APPROVED.

TO BE RESOLVED

1. FINAL REVIEW OF DOCUMENTATION GENERATED OR VERIFIED BY SMALL BORE WALKDOWN HAS NOT STARTED AT THIS TIME. A PROPOSED PROGRAM USING A STATISTICAL SAMPLING PLAN OR A QCP OVERVIEW OF HJK SMALL BORE DOCUMENTATION REVIEW IS BEING CONSIDERED.

COMMENTS

1. THE FIGURE SHOWN FOR LARGE BORE REFLECTS AN APPROXIMATE NUMBER OF MANHOURS NECESSARY FOR THE QCP TO PERFORM THE LARGE BORE WALKDOWN AND DOCUMENTATION REVIEW. THIS FIGURE WOULD BE MUCH LESS IF HJK PERFORMED THIS FUNCTION AND QCP PERFORMED A SURVEILLANCE OF THEIR ACTIVITY. THE DETAILS OF A SURVEILLANCE PROGRAM ARE BEING RESEARCHED.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	1
QUALITY ENGINEERS	1
INSPECTORS	3
DOCUMENT REVIEWERS	1
CLERKS	<u>1/2</u>
TOTAL	6 1/2



TASK III: (CONT'D)

STATUS

THIS TASK IS 33% COMPLETE.

ESTIMATED COMPLETION DATE

TO BE DETERMINED AFTER COORDINATION WITH HJK AND CG&E DOCUMENTATION REVIEW GROUP.

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 WELDS 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 DISENGAGEMENT	32,000	0	29,821	0	95	30	160

CURRENT STATUS AND RESULTS

- A. 93 RADIOGRAPHS HAVE BEEN SENT TO QADVG.
- B. REVIEW OF HJK ISK DRAWINGS ALONG WITH THE BACK-UP DOCUMENTATION TO DETERMINE WHICH SOCKET WELDS WILL REQUIRE RADIOGRAPHY IS 95% COMPLETE.
- C. 695 WELDS HAVE BEEN IDENTIFIED AS LACKING EVIDENCE OF DISENGAGEMENT AND RADIOGRAPHED.
- D. 108 WELDS HAVE BEEN REJECTED BY RADIOGRAPHY FOR LACKING DISENGAGEMENT.
- E. 70 DDN'S ISSUED FOR ACCEPTABLE RADIOGRAPHS, TO CLEAR DOCUMENTATION.
- F. REJECTED WELDS ARE IDENTIFIED ON NONCONFORMANCE REPORTS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	0
QUALITY ENGINEERS	1/2
INSPECTORS	0
DOCUMENT REVIEWER	0
CLERKS	0
TOTAL	<u>1/2</u>

CG&E LEVEL III RADIOGRAPHER IS ALSO PROVIDING SUPPORT (NOT INCLUDED ABOVE).

TASK IV: (CONT'D)

STATUS

THIS TASK IS 96% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 1, 1982 PENDING APPROVAL OF NEW PROCEDURE AND MANPOWER REQUESTED.

TASK V: RADIOGRAPHS

ACTION TO BE TAKEN

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	61	14	34	25	55.7	60	120

CURRENT STATUS AND RESULTS

- A. REVIEW OF 4250 WELD RADIOGRAPHS FOR SENSITIVITY IS COMPLETE.
- B. 61 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. 34 OF THE 61 RADIOGRAPHS HAVE BEEN RE-RADIOGRAPHED, AND ACCEPTED.

TO BE RESOLVED

COMMENTS

AT PRESENT, THE REVIEW OF THE PHASE II RADIOGRAPHS ARE BEING DONE BY CG&E LEVEL III.

MANPOWER SUMMARY

PERSONNEL ASSIGNED TO TASK III WILL SUPPORT THIS ACTIVITY.

STATUS

THIS TASK IS APPROXIMATELY 98% COMPLETE.

ESTIMATED COMPLETION DATE

NOVEMBER 15, 1982

TASK VI: CABLE SEPARATION

ACTION BEING TAKEN

100% INSPECTION OF SLEEVES AND CLASS IE FLOOR PENETRATIONS FOR SEPARATION IDENTIFICATION AND ROUTING.

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.

100% INSPECTION OF CABLES 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.

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	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
WALL PENETRATION SLEEVES	182	0	182	0	100	0	160
ASSOC. CABLES CLASS IE PANELS	392	0	392	0	100	680	0
TRAY SYSTEM WALKDOWN (SEE NOTE "C")	1778	41	41	2.3	2.3	106	9,673
CABLES REQUIRING SEP. INSIDE PANELS (SEE NOTE "D")	8951	0	0	0	0	347	6,594
REVIEW OF EER RESPONSES		0	37	0	100	0	0
ADMINISTRATIVE	-	-	-	-	-	711	- 1017



TASK VI: (CONT'D)

CURRENT STATUS AND RESULTS

- A. A TOTAL OF 541 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN FOR SEPARATION, IDENTIFICATION AND ROUTING DEFICIENCIES. 296 NR'S DISPOSITIONED (101 REWORK, 22 REPAIR, 173 ACCEPT-AS-IS). 205 OF THE 296 DISPOSITIONED NR'S HAVE BEEN CLOSED. 11 NR'S WERE CANCELLED BECAUSE OF DUPLICATION. 234 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 INSPECTION SCOPING PACKAGE FOR THE CONTROL ROOM IS COMPLETE AND INSPECTIONS WERE STARTED IN THE CONTROL ROOM. THERE ARE 110 CABLE TRAY INSPECTIONS RECORDS FOR THE CONTROL ROOM.
- D. TASK VI EXPANDED TO INSPECT CABLES REQUIRING SEPARATION INSIDE PANELS. INSPECTION SCOPING PACKAGES ARE COMPLETED FOR THE GREEN SWITCHGEAR ROOM AND ARE BEING PREPARED FOR THE CONTROL ROOM. INSPECTIONS IN THE CONTROL ROOM WILL START AFTER THE CABLE TRAY INSPECTION IN THE CONTROL ROOM IS COMPLETED. THERE ARE 4210 CABLES THAT REQUIRE INSPECTION IN THE CONTROL ROOM AND FROM THE CABLE SPREADING ROOM TO THE CONTROL ROOM.
- 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

A MEETING WAS HELD ON AUGUST 16, 1982 WITH S&L TO CLARIFY AND RESOLVE SEPARATION REQUIREMENTS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
ENGINEERS	1
QUALITY ENGINEERS	1
INSPECTORS	5
DOCUMENT REVIEWERS	-
CLERKS	-
TOTAL	<u>7</u>

TASK VI: (CONT'D)

STATUS

35% COMPLETE (EXPANDED SCOPE MANHOURS).

ESTIMATED COMPLETION DATE

JUNE 1, 1983

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	1769	*223	1254	12	70	121	800
VOIDED NR REVIEW SECONDARY	1769	**100	1000	5.5	55.5	82	725
SURVEILLANCE RPT REVIEW	3500	***53	3182	1.4	90.9	90	5500
PUNCHLIST REVIEW	(APPX) 25,000	0	0	0	0	0	1200
CLOSED NR REVIEW	300	****25	25	8.3	8.3	35	165
NR'S FROM INSPECTORS	UNKNOWN	*****32	32	-	-	-	-

CURRENT STATUS AND RESULTS

- A. \*OF THE 223 NR'S REVIEWED, 50 HAVE BEEN TRANSMITTED TO HJK, AND 173 WERE SEGREGATED FOR TAGGING (HOLD TAGS) OF WHICH 17 ITEMS HAVE BEEN TAGGED.
- B. \*\*100 VOIDED NR'S HAVE GONE THROUGH COMMITTEE AND WERE SUBMITTED TO THE NRC FOR CONCURRENCE OF PROPER CLOSURE.
- C. \*\*\*THREE NR'S WERE ISSUED AS A RESULT OF SR'S REVIEWED THIS MONTH.

TASK VII: (CONT'D)

- D. \*\*\*\*25 CLOSED HJK NR'S WERE SUBMITTED TO CG&E QUALITY ENGINEERING FOR INITIAL DISPOSITION REVIEW.
- E. \*\*\*\*\*ALL ITEMS IDENTIFIED BY UNKNOWN INSPECTORS RESULTED IN THE ISSUANCE OF AN NR FOR DISPOSITION (THREE TOTAL).
- F. PROCEDURES FOR THE REVIEW OF PUNCHLIST ITEMS (19-QA-20) AND CLOSED NR'S (19-QA-29) BEING DEVELOPED AND WILL BE OUT FOR REVIEW BY SEPTEMBER 15, 1982. THE REVISED PROCEDURE FOR REVIEW OF VOIDED NR'S (19-QA-18) WILL BE SUBMITTED FOR REVIEW BY SEPTEMBER 3, 1982.
- G. 46 NR'S HAVE BEEN GENERATED FROM THE REVIEW OF VOIDED HJK NR'S. TO DATE, SIXTEEN HAVE BEEN DISPOSITIONED, 11 ACCEPT AS-IS, 5 REWORK.

COMMENTS

DUE TO DIRECTIVES BY THE NRC CONCERNING THE HOLD TAG IDENTIFICATION OF ITEMS IDENTIFIED DURING VOIDED NR REVIEWS, TASK VII EXPENDED 70 MANHOURS IN THE SEGREGATION OF VOIDED NR'S, HANGING OF HOLD TAGS AND SUPPLY OF DOCUMENTS REQUESTED BY THE NRC.

<u>MANPOWER SUMMARY</u>	<u>ACTUAL</u>
ENGINEERS	-
QUALITY SPECIALIST	1
INSPECTORS	-
DOCUMENT REVIEWERS	2
CLERKS	-
TOTAL	<u>3</u>

STATUS

THIS TASK IS APPROXIMATELY 52% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 31, 1982

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

REQUIREMENTS TO COMPLETE TASK VIII WERE REVIEWED WITH MR. P. BARRETT OF THE NRC AND IT WAS CONCLUDED THAT A PROGRAMMATIC AUDIT OF S&L DESIGN CONTROL WOULD HAVE TO OCCUR IN ORDER TO CLOSE OUT THE TASK. THE AUDIT IS SCHEDULED FOR SEPTEMBER 1 THROUGH 3, 1982 IN CHICAGO.

THE REPORT SHOULD BE COMPLETE WITHIN 2 WEEKS OF THE AUDIT REPORT PENDING NO FINDINGS. THIS TASK IS 99% COMPLETE TO DATE.



TASK IX: DESIGN DOCUMENT CHANGES

ACTION BEING TAKEN

COMPILE A COMPUTER LISTING OF ALL DDC'S.

REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTORS' DDC'S TO DETERMINE PROPER CLASSIFICATION.

REVIEW CG&E, HJK, S&L AND OTHER SITE CONTRACTOR'S ESSENTIAL DDC'S TO DETERMINE IF DDC'S WERE INCORPORATED IN INSPECTION DOCUMENTATION.

SUMMARY OF TASK

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
(IX)							
PHASE I	19,711	0	18,725	0	95	0	80
PHASE II	9,111	165	2,953	1.8	32.4	963	14,895.5
PHASE IA	2,600	564	564	21.6	21.6	0	166
PHASE IIA	2,200	0	0	0	0	0	5,500
PHASE III (SEE NOTE "C")	714	0	0	11.5	11.5	610.5	4689.5

CURRENT STATUS AND RESULTS

- A. CLASSIFICATION OF CG&E, S&L AND HJK DDC'S AS ESSENTIAL OR NONESSENTIAL IS 95% COMPLETE.
- B. REVIEW OF INSPECTION DOCUMENTATION IS 32.4% COMPLETE FOR THE ORIGINAL SCOPE. \*615 DEFICIENCIES IDENTIFIED FOR REPORTING VIA DOCUMENT DEFICIENCY NOTICES OR NONCONFORMANCE REPORTS AS APPLICABLE.
- C. TASK IX HAS BEEN ASSIGNED TO PERFORM ELECTRICAL INSPECTIONS IN THE CONTROL ROOM. THIS ACTIVITY HAS BEEN DESIGNATED PHASE III OF TASK IX WORK SCOPE.
- D. TASK IX INITIATED THE FOLLOWING INSPECTION PROCEDURES DURING THE PAST MONTH:
  - 19-QA-32 CABLE TRAY HANGERS
  - 19-QA-35 CONDUIT AND CONDUIT SUPPORTSTHESE PROCEDURES ARE APPROVED AND READY FOR INSPECTION TO BEGIN.

TASK IX: (CONT'D)

<u>PROBLEM/DEFICIENCY</u>	<u>ELECT.</u>	<u>MECH.</u>	<u>STRUCT.</u>	<u>TOTAL</u>
1. MISSING DOCUMENTATION	32	8	117	157
2. DDC MIS-CLASSIFICATION	10	3	3	16
3. INSPECTION PROGRAM DEFICIENCIES & MISC.	13	25	24	62
4. DDC NOT INCORPORATED IN DOCUMENTATION	74	10	253	337
5. INSPECTION PRIOR TO DDC BEING WRITTEN (AS-BUILT)	3	10	-	13
6. INCOMPLETE INSPECTION	8	-	22	30
TOTAL	*140	56	419	615

\*THIS TOTAL REPRESENTS A NET REDUCTION OF 61 PRELIMINARY ELECTRICAL DEFICIENCIES PREVIOUSLY IDENTIFIED WHICH ARE NOW RESOLVED DUE TO M CAR 82-01.

TO BE RESOLVED

TASK IX IS WAITING FOR HJK & GE TO RESPOND TO CAR'S IN ORDER TO COMPLETE SOME DDC REVIEWS.

COMMENTS

1. 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.
2. PHASE III OF TASK IX REQUIRES SPACE AND MANPOWER IN ORDER TO ACHIEVE COMPLETION BY THE DATE INDICATED BELOW. A TOTAL OF 14 PEOPLE WILL BE REQUIRED BY SEPTEMBER 15, 1982 IN ORDER TO MEET THE COMPLETION DATE.

MANPOWER SUMMARY

	PHASES I, II, IA, IIA
ENGINEERS (INCLUDING TASK COORDINATOR)	4
QUALITY ENGINEERS	-
INSPECTORS	-
DOCUMENT REVIEWERS	3
CLERKS	1
TOTAL	8
	PHASE III
DOCUMENT REVIEWERS	3**
INSPECTORS	2
CLERK	-
TOTAL	5

TASK IX: (CONT'D)

TOTAL MANPOWER TASK IX

13

\*\* NUMBER INCLUDES PHASE COORDINATOR. TWO DOCUMENT REVIEWERS ARE ALSO CERTIFIED AS ELECTRICAL INSPECTORS.

STATUS

THE ORIGINAL TASK (PHASES I & II) IS APPROXIMATELY 37% COMPLETE. PHASES IA AND IIA ARE APPROXIMATELY 1.6% COMPLETE. OVERALL THE TASK IS 32% COMPLETE (DOES NOT INCLUDE PHASE III).

ESTIMATED COMPLETION DATE

PHASES I, II, IA, IIA - APRIL 15, 1983

PHASE III - DECEMBER 1, 1982

TASK X: SUBCONTRACTOR/QA PROGRAM

ACTION BEING TAKEN

- A. ALL CG&E QA AUDITS OF SUBCONTRACTORS/VENDORS HAVE BEEN IDENTIFIED.
- B. MATRICES HAVE BEEN DEVELOPED SHOWING WHICH 10CFR50 APPENDIX B CRITERIAS WERE VERIFIED DURING THESE AUDITS.
- C. AUDIT REPORTS ARE BEING REVIEWED AND SUMMARIZED ON INDIVIDUAL FORMS.
- D. EVALUATIONS ARE MADE OF THE SCOPE AND DEPTH OF THE AUDITS TO DETERMINE WHETHER THESE AUDITS COVERED ALL APPLICABLE 10CFR50, APPENDIX B CRITERIAS IN SUFFICIENT DETAIL.
  - 1. IF EVALUATIONS PROVE SUBCONTRACTORS PROGRAMS ACCEPTABLE THESE CAN BE CLOSED.
  - 2. IF EVALUATIONS CANNOT PROVIDE EVIDENCE THAT SUBCONTRACTOR PROGRAMS WERE SATISFACTORY, ALTERNATE MEASURE TO VERIFY HARDWARE INTEGRITY, SUCH AS REVIEW OF INTERNAL AUDITS PERFORMED BY SUBCONTRACTORS, REVIEW OF QUALITY DOCUMENTATION (INSPECTION RESULTS) TO PROVE ADEQUATE PROGRAM COVERAGE, COVERAGE IN OTHER QCP TASKS, RE-AUDIT OR HARDWARE INSPECTION AND/OR TESTING, WILL BE PURSUED.

SUMMARY OF TASK

AREA	TOTAL # NUMBER ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
SUBCONTRACTOR QA PROGRAMS	80	4	76	5	70	50	200

CURRENT STATUS AND RESULTS

- A. PROCEDURE FOR INTERFACE WITH OTHER QCP TASKS TO VERIFY ADEQUACY OF WORK HAS BEEN DEVELOPED. THIS PROCEDURE HAS BEEN SUBMITTED FOR REVIEW.
- B. EIGHTY (80) AUDITS OF SUBCONTRACTORS WERE IDENTIFIED AS BEING PERFORMED PRIOR TO APRIL 8, 1981. THESE AUDITS ENCOMPASSED THIRTEEN (13) DIFFERENT SUBCONTRACTORS. OF THE THIRTEEN SUBCONTRACTORS, SIX MAY REQUIRE AUDITS OF SUBSEQUENT ACTIVITIES FOR CONFIRMATION OF THE WORK WHICH CANNOT BE ACCOMPLISHED BY DOCUMENT REVIEW OR INSPECTION. AT THIS TIME, 76 OF THE 80 AUDITS HAVE BEEN REVIEWED. THE SCOPE OF MANY OF THE AUDITS DO NOT ADDRESS APPLICABLE CRITERIA.

TASK X: (CONT'D)

TO BE RESOLVED

COMMENTS

- A. THE ESTIMATED TIME REQUIRED FOR COMPLETION IS 25 MAN DAYS WHICH INCLUDES COMPLETION OF THE REVIEW, EVALUATION OF PAST AUDITS, AND POTENTIAL AUDITS OF SIX SUBCONTRACTORS.
- B. IF THE SCOPE AT THIS TASK IS EXPANDED TO INCLUDE VENDORS WHICH SUPPLIED MATERIAL BUT HAVE NOT BEEN AUDITED, IT IS ESTIMATED THAT A MINIMUM OF 10 MAN DAYS PER VENDOR WILL BE REQUIRED TO COMPLETE AN AUDIT.

STATUS

THIS TASK IS 75% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 15, 1982 FINAL REPORT AND EVALUATION.



TASK XI: AUDITS

ACTION BEING TAKEN

- A. REVIEW ALL PAST CG&E QA AUDITS OF HJK, S&L, GE, NPD, NED, EOTD, AND GCD.
- B. DEVELOP MATRICES SHOWING WHICH 10CFR50 APPENDIX B CRITERIA WERE IDENTIFIED DURING AUDITS.

SUMMARY

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
AUDITS REVIEWED	296	20	235	2	74	38	320

CURRENT STATUS AND RESULTS

- A. PRELIMINARY EVALUATION INDICATES THAT MOST AUDITS WERE OF LIMITED SCOPE, HOWEVER COLLECTIVELY DUE TO THE LARGE NUMBER OF AUDITS PERFORMED, THE APPLICABLE 18 CRITERIA WERE COVERED FOR HJK, EOTD, NED, GCD, AND NPD. THERE WERE AREAS NOT COVERED IN AUDITS OF S&L AND GE SUBSEQUENT TO APRIL 8, 1981, HOWEVER, CURRENT AUDITS OF S&L AND GE HAVE COVERED THE MAJORITY OF APPLICABLE CRITERIA.
- B. PROCEDURE FOR INTERFACE WITH THE QCP TASKS TO VERIFY ADEQUACY OF WORK HAS BEEN DEVELOPED. THIS PROCEDURE HAS BEEN SUBMITTED FOR REVIEW.

COMMENTS

- A. IT IS ESTIMATED THAT 40 MAN DAYS WILL BE REQUIRED FOR REVIEW AND EVALUATION OF THE REMAINING AUDITS, AND FOR AUDITING THE REMAINING MISSED CRITERIA.

STATUS

THIS TASK IS 74% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 15, 1982 REVIEWS

NOVEMBER 15, 1982 FINAL REPORT AND EVALUATIONS.

**QUALITY CONFIRMATION PROGRAM**

**STATUS**

**(AS OF SEPTEMBER 30, 1982)**

**BY**

**J. F. SHAFFER**

**DIRECTOR, QUALITY CONFIRMATION PROGRAM**

TASK I: STRUCTURAL STEEL

ACTION BEING TAKEN

- A. 100% VISUAL INSPECTION OF ACCESSIBLE STRUCTURAL STEEL 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 FIELD WELDED ELECTRICAL CABLE TRAY SUPPORTS IN THE CONTROL ROOM.
- D. 100% VISUAL INSPECTION OF HVAC SUPPORTS IN THE CONTROL ROOM.

SUMMARY OF TASK

AREA	TOTAL NUMBER OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETE TO DATE	MANHOURS EXPANDED THIS MONTH	MANHOURS REMAIN
DRYWELL SS 525 ELV	322	18	322	6	100	90	0
REACTOR, AUX SRV WATER BLDG.	*2992	219	1605	7	54	1314	8322
CONTROL RM HVAC SUPTS.	105	49	49	47	47	294	336

\* Total items decreased by ten, the beams were installed after April 8, 1981 or are WY&B HVAC Supports and are counted under Item 3.

CURRENT STATUS AND RESULTS

1. NONCONFORMANCE REPORT (NR) SUMMARY

AREA	NR'S WRITTEN	QUANTITY DEFICIENCIES IDENTIFIED	NUMBER DEFICIENCIES DISPOSITIONED	ACCEPT AS IS	REWORK	REJECT	REPAIR
FOOT CONNECTIONS	253	975	242	139	88	0	15
DRYWELL	279	1825	314	10	306	4	3
CONTROL RM.	173	2488	2331	17	2312	4	1
GALLERY STEEL	40	122	121	0	121	0	1
SWITCHGR 567'5"	34	1953	1955	0	1933	0	2
SWITCHGR 546'	66	869	0	8	7	0	1
AUX. BLD ROOF 591'	1	119	0	0	0	0	0
TOTAL	846	8351	4963	174	4767	8	23

NOTE: 70% OF THE DEFICIENCIES ATTRIBUTED TO: OVERLAP 26%, UNDERSIZE WELD 8%, UNDERCUT 24%, WELD PROFILE 3%, LACK OF FUSION 9%.

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).
3. COSMETIC REWORK HAS BEEN REQUIRED ON 70% OF THE BEAMS INSPECTED, TO OBTAIN RESULTS IN COMPLIANCE WITH AWS D1.1 1972 ACCEPTANCE CRITERIA.

TO BE RESOLVED

1. PRELIMINARY RANDOM INSPECTION OF THE SERVICE WATER BUILDING'S STRUCTURAL WELDS, INDICATES THAT THE WELDS APPEAR TO MEET AWS D1.1 1972. A RANDOM SAMPLE INSPECTION OF WELDS MAY BE SUBMITTED TO NRC FOR JUSTIFICATION OF LESS THAN 100% INSPECTION.

COMMENTS

1. WHEN AVAILABLE, TASK I IS PROVIDING INSPECTORS TO TASK IX FOR ELECTRICAL CONDUIT SUPPORT INSPECTION.
2. THE STOP WORK ORDER #82-02 STOPPING ALL WORK ON SCAFFOLDING, PAINT REMOVAL, ETC., HAS IMPACTED THE TOTAL NUMBER OF INSPECTIONS COMPLETED THIS MONTH.

PRESENT MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
QUALITY SPECIALISTS	3
INSPECTORS	15
DOCUMENT REVIEWERS	9
TOTAL	<u>28</u>

STATUS

THIS TASK IS APPROXIMATELY 57% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 1, 1982

TASK II: WELD QUALITY

ACTION BEING TAKEN

- A. PERFORM A 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. VERIFY PROPER WELD PROCEDURE AND WELDER QUALIFICATION.

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) STRUCTURAL KE-1 REVIEW	11,000	0	11,000	0	98*	0	416
2) SM BORE PIPE	32,000	0	25,841	0	79	0	837
3) LG BORE PIPE	(APPX) 9400 (380 PSK'S)	0	0	0	0	0	1373
4) WELD PROCEDURE REVIEW	91 (PROCEDURES) 121 REV'S	10	10	11	11	130	1600'
5) WELDER QUAL. REVIEW	4600 (DOCUMENTS)	293	2099	6.4	46	90	1303
6) WELD ROD CONTROL		0	0	0	0	0	416

1) \*SEE ITEM #1 BELOW.

CURRENT STATUS AND RESULTS

- 1. MANHOURS REMAINING REPRESENTS TIME TO PERFORM ACTUAL REVIEW OF PROCEDURES (I.E. CHECK LSIT, CER'S). INCREASE IS BASED ON PERSONNEL AND AMOUNT OF INDEPTH REVIEW REQUIRED TO PERFORM THE TASK CORRECTLY.
- 2. APPROXIMATELY 7% OF SMALL BORE WELDS HAVE NR'S WRITTEN AGAINST WELD QUALITY DOCUMENTS.



TASK II: (CONT'D)

COMMENTS

1. A PROCEDURE TO BE WRITTEN FOR THE LARGE BORE REVIEW PROGRAM, WHICH IS COORDINATED WITH HJK - TO MINIMIZE DUPLICATION OF REVIEW.
2. PROCEDURE NOT WRITTEN FOR WELD ROD CONTROL YET, DUE TO LACK OF PERSONNEL TO PERFORM INVESTIGATION FOR PROCEDURE.
3. THE NUMBER OF WELD PROCEDURES AND REV'S IS BASED ON S&L INFORMATION SUPPLIED ON SLC NO. 23775 AUGUST 19, 1982 PROJECT NO. 6020-26.

TO BE RESOLVED

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

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1/2
INSPECTORS	1
DOCUMENT REVIEWERS	2
CLERKS	1/2
TOTAL	<u>4</u>

STATUS

THIS TASK IS APPROXIMATELY 68% COMPLETE.

ESTIMATED COMPLETION DATE

TO BE DETERMINED BY HJK SCHEDULE OF NPP-1/N-5 PROGRAMS (TO DATE, SCHEDULE NOT POSTED).

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
SM BORE DOC	2691 ISK	25	25	1	1	434	2766
SM BORE WALKDWN	2691 ISK (APPX)	0	2691	0	100	0	0
LG BORE DOC	380 PSK (APPX)	0	0	0	0	0	74,600*
LG BORE WALKDWN	380 PSK	0	0	0	0	0	*
PURCHASE ORDER REVW	6610	18	18	.3	.3	44	3166**
STRCTL STEEL P.O.'S	1910	317	1910	17	95	66	40***
ESSENTIAL/NONESS							
GAMMA PLUG 0.55(e)M-56	420	40	40	9.5	9.5	250	432

### TASK III: (CONT'D)

- 1) \*TOTAL MANHOURS SHOWN IS FOR BOTH LARGE BORE DOCUMENTATION AND WALKDOWN.
- 2) \*\*INCLUDES STRUCTURAL STEEL P.O.'S IDENTIFIED IN ACTION D.
- 3) \*\*\*5% REMAINING TO COMPLETE IS TO PERFORM FINAL REVIEW, ADDITIONAL P.O.'S WERE IDENTIFIED AND ADDED TO TOTAL NUMBER OF ITEMS.

#### CURRENT STATUS AND RESULTS

1. HJK IS VALIDATING CMTR'S FOR STRUCTURAL ITEMS RECEIVED ON NONESSENTIAL P.O.'S THROUGH USER TESTS OR QUALIFYING SUPPLIER. SIMILAR REVIEW AND ACTION BEING COMPLETED FOR ASME PIPING COMPONENTS.
2. 1910 STRUCTURAL STEEL PURCHASE ORDERS HAVE BEEN IDENTIFIED, OF THIS NUMBER, 1147 WERE ORDERED ESSENTIAL AND 763 WERE ORDERED NONESSENTIAL.

#### TO BE RESOLVED

1. A METHOD OF SURVEILLING THE H.J. KAISER PROGRAM IS BEING RESEARCHED TO ADDRESS ACTION B.

#### COMMENTS

1. THE FIGURE SHOWN FOR LARGE BORE REFLECTS AN APPROXIMATE NUMBER OF MANHOURS NECESSARY FOR THE QCP TO PERFORM THE LARGE BORE WALKDOWN AND DOCUMENTATION REVIEW. THIS FIGURE WOULD BE MUCH LESS IF HJK PERFORMED THIS FUNCTION AND QCP PERFORMED A SURVEILLANCE OF THEIR ACTIVITY.

#### MANPOWER SUMMARY

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

#### STATUS

THIS TASK IS 33% COMPLETE.

#### ESTIMATED COMPLETION DATE

TO BE DETERMINED AFTER COORDINATION WITH HJK AND CG&E DOCUMENTATION REVIEW GROUP.

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 DISENGAGEMENT	32,000	0	29,821	0	95*	30	240**

CURRENT STATUS AND RESULTS

- A. 202 RADIOGRAPHS HAVE BEEN SENT TO QADVG THIS MONTH. 295 RADIOGRAPHS TOTAL TO DATE.
- B. \*REVIEW OF HJK ISK DRAWINGS ALONG WITH THE BACK-UP DOCUMENTATION TO DETERMINE WHICH SOCKET WELDS WILL REQUIRE RADIOGRAPHY IS 95% COMPLETE.
- C. 695 WELDS HAVE BEEN IDENTIFIED AS LACKING EVIDENCE OF DISENGAGEMENT AND RADIOGRAPHED.
- D. 111 WELDS HAVE BEEN REJECTED BY RADIOGRAPHY FOR LACKING DISENGAGEMENT TO DATE.
- E. 155 DDN'S ISSUED FOR ACCEPTABLE RADIOGRAPHS, TO CLEAR DOCUMENTATION. 225 TOTAL TO DATE.
- F. REJECTED WELDS ARE IDENTIFIED ON NONCONFORMANCE REPORTS.
- G. 76 MANHOURS EXPENDED IN TURNOVER OF ABOVE ITEMS.

COMMENTS

- 1. \*\*MANHOURS INCREASED DUE TO THE FACT THAT HOURS SUBTRACTED HAVE BEEN FOR DOCUMENT TURNOVER, NOT DOCUMENTATION REVIEW. SEE (G) IN STATUS.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1/2
CLERKS	1/2
TOTAL	<u>1</u>

TASK IV: (CONT'D)

STATUS

THIS TASK IS 98% COMPLETE.

ESTIMATED COMPLETION DATE

DECEMBER 1, 1982 PENDING APPROVAL OF THE H. THIELSCH REPORT.



TASK V: RADIOGRAPHS

ACTION TO BE TAKEN

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	8	42	17	72.7	40	80

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. 42 OF THE 46 RADIOGRAPHS HAVE BEEN RE-RADIOGRAPHED, AND ACCEPTED.
- E. MOCK-UPS OF THE 4 REMAINING WELDS ARE BEING FABRICATED.

TO BE RESOLVED

COMMENTS

AT PRESENT, THE REVIEW OF THE THASE II RADIOGRAPHS ARE BEING DONE BY CG&E LEVEL III.

MANPOWER SUMMARY

PERSONNEL ASSIGNED TO TASK III WILL SUPPORT THIS ACTIVITY.

STATUS

THIS TASK IS APPROXIMATELY 98% COMPLETE.

ESTIMATED COMPLETION DATE

NOVEMBER 15, 1982

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 CABLES 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 PENETRATION SLEEVES (SEE NOTE B)	182	0	182	0	100	0	32
ASSOC. CABLES	392	0	392	0	100	0	0
TRAY SYS. WLKDN (SEE NOTE C)	1778(TR) (12446 UN)	3334(UN)	3686(UN)	26.8	29.6	962.5	8710.5
CABLES REQUIRING SEP. INSIDE PANELS (SEE NOTE D)	8951 CABLES (35,804 UN)	0	0	0	0	20	6574
REVIEW OF EER RESPONSES		0	37	0	100	0	0
ADMINISTRATIVE	-	-	-	-	-	457.5	2181.5

(TR = TRAYS)

(UN = UNITS)

TASK VI: (CONT'D)

CURRENT STATUS AND RESULTS

- A. A TOTAL OF 637 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN FOR SEPARATION, IDENTIFICATION AND ROUTING DEFICIENCIES. 314 NR'S DISPOSITIONED (105 REWORK, 22 REPAIR, 187 ACCEPT-AS-IS). 215 OF THE 314 DISPOSITIONED NR'S HAVE BEEN CLOSED. 11 NR'S WERE CANCELLED BECAUSE OF DUPLICATION. 312 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. INSPECTION SCOPING PACKAGES ARE BEING PREPARED FOR THE CONTROL ROOM. INSPECTIONS IN THE CONTROL ROOM WILL START THE WEEK OF OCTOBER 4, 1982. THERE ARE 4210 CABLES THAT REQUIRE INSPECTION IN THE CONTROL ROOM AND FROM THE CABLE SPREADING ROOM TO THE CONTROL ROOM.
- 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

A MEETING WAS HELD ON AUGUST 26, 1982 WITH S&L TO CLARIFY AND RESOLVE SEPARATION REQUIREMENTS. S&L REVISED AND RE-ISSUED DRAWING E-280 (SEGREGATION CHART) ON SEPTEMBER 21, 1982.

MANPOWER SUMMARY

	<u>ACTUAL</u>
TASK COORDINATOR	1
QUALITY ENGINEER	1
INSPECTORS	6
TOTAL	<u>8</u>

STATUS

44% COMPLETE (EXPANDED SCOPE MANHOURS).

ESTIMATED COMPLETION DATE

JUNE 1, 1983

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
A. VOIDED NR REVIEW INITIAL	1769	177	1431	10	80	136	664
B. VOIDED NR REVIEW SECONDARY	1769	100	1100	6	62	80	645
C. SURVEILLANCE RPT REVIEW	3500	103	3285	3	94	70	5430
D. PUNCHLIST REVIEW	(APPX) 25,000	0	0	0	0	10	1200
E. CLOSED NR REVIEW	300	25	50	8	17	20	145
F. NR'S FROM INSPECTORS	UNKNOWN	0	0	(NO NR'S RECEIVED THIS MONTH)			-

CURRENT STATUS AND RESULTS

- A. OF THE 177 NR'S REVIEWED, 79 ARE CG&E (7000 SERIES) 89 ARE BEING TRANSMITTED TO COMMITTEE FOR CLOSURE AND 9 HAVE BEEN GENERATED AS "Q" NR'S.
- B. 100 NR'S HAVE GONE TO COMMITTEE AND WILL BE SUBMITTED TO THE NRC FOR CONCURRENCE OF PROPER CLOSURE.
- C. TWO "Q" NR'S WERE ISSUED AS A RESULT OF THE SR'S REVIEWED THIS MONTH.

TASK VII: (CONT'D)

- D. TEN MAN HOURS WERE EXPENDED THIS PERIOD FOR DISCUSSION AND PREPARTION OF PROCEDURES TO CLOSE-OUT PUNCH-LIST ITEMS.
- E. 25 CLOSED HJK NR'S WERE SUBMITTED TO CG&E QUALITY ENGINEERING FOR INITIAL DISPOSITION REVIEW, TO DATE TASK VII HAS NOT RECEIVED A RESPONSE.
- F. TWO ADDITIONAL "Q" NR'S WERE GENERATED AS A RESULT OF NR'S RECEIVED LAST REPORT PERIOD.
- G. PREPARTION OF PROCEDURE (19-QA-20 REVIEW OF PUNCHLIST) IN PROGRESS AS OF THIS DATE. PROCEDURE AND FINAL REVIEW CYCLE TO BE COMPLETED BY OCTOBER 20, 1982. THE REVISED PROCEDURE (19-QA-18 REVIEW OF VOIDED NR'S) WAS COMPLETED, REVIEWED AND ISSUED ON SEPTEMBER 21, 1982.
- H. 55 NR'S HAVE BEEN GENERATED FROM THE REVIEW OF VOIDED HJK NR'S. TO DATE, 18 HAVE BEEN DISPOSITIONED, 13 ACCEPT-AS-IS, 5 REWORK.

COMMENTS

DUE TO DIRECTIVES BY THE NRC CONCERNING THE HOLD TAG IDENTIFICATION OF ITEMS IDENTIFIED DURING VOIDED NR REVIEWS, TASK VII EXPENDED 20 MANHOURS IN THE SEGREGATION OF VOIDED NR'S AND HANGING OF HOLD TAGS.

MANPOWER SUMMARY

TASK COORDINATOR  
DOCUMENT REVIEWERS  
TOTAL

ACTUAL

1  
3  

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4

STATUS

THIS TASK IS APPROXIMATELY 61% COMPLETE.

ESTIMATED COMPLETION DATE

JANUARY 30, 1983



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

REQUIREMENTS TO COMPLETE TASK VIII WERE REVIEWED WITH MR. P. BARRETT OF THE NRC AND IT WAS CONCLUDED THAT A PROGRAMMATIC AUDIT OF S&L DESIGN CONTROL WOULD HAVE TO OCCUR IN ORDER TO CLOSE OUT THE TASK. THIS AUDIT WAS CONDUCTED SEPTEMBER 1 THROUGH 3, 1982 IN CHICAGO. THERE WERE NO FINDINGS, HOWEVER, THERE WERE TWO RECOMMENDATIONS GIVEN. PENDING RESOLUTION OF THESE RECOMMENDATIONS, THE AUDIT WILL BE CLOSED.

THE FINAL REPORT FOR TASK VIII SHOULD BE COMPLETE WITHIN 2 WEEKS OF THE AUDIT CLOSURE.

THIS TASK IS 99% COMPLETE TO DATE.

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 CONTRACTOR'S 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	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOUR REMAINING
PHASE I	19,711	0	18,725	0	95	0	80
PHASE II	9,111	123	3,076	1.4	33.8	485.5	14,410.0
PHASE IA	2,600	0	564	0	21.6	0	166
PHASE IIA	2,200	99	99	4.5	4.5	241.5	5,258.5
PHASE III							
DOCUMENTATION	714	100*	100*	14	14	358.5	-
INSPECTION	714	19*	19*	2.7	2.7	138.0	-
OTHER**	-	-	-	-	-	589.25	-

\* EQUIVALENT ITEMS

\*\* OTHER TIME SPENT FOR TRAINING AND CERTIFICATION OF PERSONNEL, CONTROL ROOM WALKDOWN AND DOCUMENTATION, PROBLEM RESEARCH AND RESOLUTION, PROCEDURE PREPARATION, CLERICAL, AND PHASE III ADMINISTRATION

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

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 OR NONESSENTIAL

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

PHASE III - ELECTRICAL INSPECTIONS IN THE CONTROL ROOM.

TASK IX: (CONT'D)

RESULTS

1. IN PHASES II & IIA, 635 DEFICIENCIES IDENTIFIED FOR REPORTING VIA DOCUMENT DEFICIENCY NOTICES OR NONCONFORMANCE REPORTS AS APPLICABLE.
2. IN PHASE III, 19 DEFICIENCIES HAVE BEEN IDENTIFIED VIA NONCONFORMANCE REPORTS. A MAJORITY OF THESE DEFICIENCIES ARE DUE TO INCORRECT DIMENSIONS UTILIZED IN DEVELOPING THE HANGER CALCULATION SHEETS FOR CONDUIT SUPPORTS.
3. TASK IX GENERATED THE FOLLOWING CER'S DURING THE PAST MONTH:
  - i) DOCUMENTATION FOR BLOCKWALLS
  - ii) DOCUMENTATION FOR COREBORES
  - iii) DOCUMENTATION FOR HVAC
  - iv) MATERIAL TRACEABILITY FOR ELECTRICAL HANGERS
  - v) CONDUIT HANGER DEADWEIGHT CALCULATIONS
  - vi) APPEAL PROCESS FOR NR'S AND CER/CAR'S
  - vii) LACK OF CONTROL OF OPEN DDC'S AGAINST SPECIFICATIONS
  - viii) DISAPPROVAL OF REVISIONS TO APPROVED DDC'S
  - ix) LOSS OF REV'S. 5 AND 6 TO FCP2.6
  - x) FAILURE TO MAINTAIN REPRODUCTIONS OF DRAWING REVISIONS

<u>PROBLEM/DEFICIENCY</u>	<u>ELECT.</u>	<u>MECH.</u>	<u>STRUCT.</u>	<u>TOTAL</u>
1. MISSING DOCUMENTATION	32		124	156
2. DDC MIS-CLASSIFICATION	10		3	13
3. INSPECTION PROGRAM DEFICIENCIES & MISC.	13		28	41
4. DDC NOT INCORPORATED IN DOCUMENTATION	99	10	283	392
5. INSPECTION PRIOR TO DDC BEING WRITTEN (AS-BUILT)	3			3
6. INCOMPLETE INSPECTION	8		22	30
TOTAL	165	10*	460	635

\*THIS TOTAL REPRESENTS A NET REDUCTION OF 46 PRELIMINARY MECHANICAL DEFICIENCIES PREVIOUSLY IDENTIFIED WHICH ARE NOW COVERED BY APPROPRIATE CER'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. THE METHOD USED TO CALCULATE CONDUIT DEAD LOADS, AS CONTAINED IN THE E-189 SERIES GENERAL NOTES, MAY BE INADEQUATE. THIS IS BEING ADDRESSED BY CG&E QUALITY ENGINEERING.

TASK IX: (CONT'D)

- C. 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. THIS PROBLEM IS BEING ADDRESSED BY CG&E QUALITY ENGINEERING.
- D. THERE ARE SEVERAL HUNDRED DDC'S OPEN AGAINST THE E-189 DRAWINGS, OF WHICH MORE THAN 150 APPLY TO THE CONTROL ROOM AREA. A SYSTEM IS CURRENTLY BEING DEVELOPED TO ASSURE THAT ALL APPLICABLE DDC'S ARE INCLUDED IN THE INSPECTION PACKAGES AND PROVIDE FOR VERIFICATION OF THAT FACT.
- E. 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.
- F. 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 REVIEW BOARD NEEDS TO BE FORMED.

COMMENTS

- 1. PHASE III OF TASK IX REQUIRES MANPOWER ELECTRICAL INSPECTORS IN ORDER TO ACHIEVE COMPLETION BY THE DATE INDICATED BELOW. A TOTAL OF 14 PEOPLE WILL BE REQUIRED BY NOVEMBER 1, 1982 IN ORDER TO MEET THE COMPLETION DATE.
- 2. CABLE TRAY SUPPORT INSPECTIONS WILL COMMENCE AFTER REVISION OF 19-QA-32 WHICH SCHEDULED FOR COMPLETION ON 10/1/82.

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	4 **
INSPECTORS	<u>2</u>
TOTAL	6

\*\* NUMBER INCLUDES PHASE COORDINATOR. TWO DOCUMENT REVIEWERS ARE ALSO CERTIFIED

TASK IX: (CONT'D)

STATUS

PHASE I 95% COMPLETE

PHASE II 33.8% COMPLETE

PHASE IA 21.6% COMPLETE

PHASE IIA 4.5% COMPLETE

PHASE III 8.3% COMPLETE (ITEMS COMPLETED)

THE ORIGINAL TASK (PHASES I & II) IS APPROXIMATELY 38.5% COMPLETE.

PHASES IA AND IIA ARE APPROXIMATELY 5.8% COMPLETE.

THE OVERALL TASK IS 33% COMPLETE (DOES NOT INCLUDE PHASE III)

ESTIMATED COMPLETION DATE

PHASES I, II, IA, IIA - APRIL 15, 1983

PHASE III - JANUARY 1, 1983



TASK X: SUBCONTRACTOR/QA PROGRAM

ACTION BEING TAKEN

- A. ALL CG&E QA AUDITS OF SUBCONTRACTORS/VENDORS HAVE BEEN IDENTIFIED.
- B. MATRICES HAVE BEEN DEVELOPED SHOWING WHICH 10CER50 APPENDIX B CRITERIAS WERE VERIFIED DURING THESE AUDITS.
- C. AUDIT REPORTS ARE BEING REVIEWED AND SUMMARIZED ON INDIVIDUAL FORMS.
- D. EVALUATIONS ARE MADE OF THE SCOPE AND DEPTH OF THE AUDITS TO DETERMINE WHETHER THESE AUDITS COVERED ALL APPLICABLE 10CFR50, APPENDIX B CRITERIAS IN SUFFICIENT DETAIL.
  - 1. IF EVALUATIONS PROVE SUBCONTRACTORS PROGRAMS ACCEPTABLE THESE CAN BE CLOSED.
  - 2. IF EVALUATIONS CANNOT PROVIDE EVIDENCE THAT SUBCONTRACTOR PROGRAMS WERE SATISFACTORY, ALTERNATE MEASURE TO VERIFY HARDWARE INTEGRITY, SUCH AS REVIEW OF INTERNAL AUDITS PERFORMED BY SUBCONTRACTORS, REVIEW OF QUALITY DOCUMENTATION (INSPECTION RESULTS) TO PROVE ADEQUATE PROGRAM COVERAGE, COVERAGE IN OTHER QCP TASKS, RE-AUDIT OR HARDWARE INSPECTION AND/OR TESTING, WILL BE PURSUED.

SUMMARY OF TASK

AREA	TOTAL NUMBER ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
SUBCONTRACTOR QA PROGRAMS	80	4	80	5	75*	50	150

\*REMAINING 25% TO COMPLETE EVALUATION

CURRENT STATUS AND RESULTS

- A. PROCEDURE FOR INTERFACE WITH OTHER QCP TASKS TO VERIFY ADEQUACY OF WORK HAS BEEN DEVELOPED. THIS PROCEDURE HAS BEEN SUBMITTED FOR REVIEW.
- B. EIGHTY (80) AUDITS OF SUBCONTRACTORS WERE IDENTIFIED AS BEING PERFORMED PRIOR TO APRIL 8, 1981. THESE AUDITS ENCOMPASSED THIRTEEN (13) DIFFERNT SUBCONTRACTORS OF THE THIRTEEN SUBCONTRACTORS, SIX MAY REQUIRE AUDITS OF SUBSEQUENT ACTIVITIES FOR CONFIRMATION OF THE WORK WHICH CANNOT BE ACCOMPLISHED BY DOCUMENT REVIEW OR INSPECTION. ALL AUDITS HAVE BEEN REVIEWED. THE SCOPE OF MANY AUDITS DO NOT ADDRESS APPLICABLE CRITERIA.

TASK X: (CONT'D)

TO BE RESOLVED

COMMENTS

- A. THE ESTIMATED TIME REQUIRED FOR COMPLETION IS 15 MAN DAYS WHICH INCLUDES COMPLETION OF THE REVIEW, EVALUATION OF PAST AUDITS, AND POTENTIAL AUDITS OF SIX SUBCONTRACTORS.
- B. IF THE SCOPE AT THIS TASK IS EXPANDED TO INCLUDE VENDORS WHICH SUPPLIED MATERIAL BUT HAVE NOT BEEN AUDITED, IT IS ESTIMATED THAT A MINIMUM OF 10 MAN DAYS PER VENDOR WILL BE REQUIRED TO COMPLETE AN AUDIT.

STATUS

THIS TASK IS 75% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 30, 1982 FINAL REPORT AND EVALUATION.

TASK XI: AUDITS

ACTION BEING TAKEN

- A. REVIEW ALL PAST CG&E QA AUDITS OF HJK, S&L, GE, NPD, NED, EOTD, AND GCD.
- B. DEVELOP MATRICES SHOWING WHICH 10CRF50 APPENDIX B CRITERIA WERE IDENTIFIED DURING AUDITS.

SUMMARY

AREA	TOTAL # OF ITEMS	ITEMS COMPLETED THIS MONTH	ITEMS COMPLETED TO DATE	% COMPLETED THIS MONTH	% COMPLETED TO DATE	MANHOURS EXPENDED THIS MONTH	MANHOURS REMAINING
AUDITS REVIEWED	296	61	296	6	80	70	250

CURRENT STATUS AND RESULTS

- A. PRELIMINARY EVALUATION INDICATES THAT MOST AUDITS WERE OF LIMITED SCOPE, HOWEVER COLLECTIVELY DUE TO THE LARGE NUMBER OF AUDITS PERFORMED, THE APPLICABLE 18 CRITERIA WERE COVERED FOR HJK, EOTD, NED, GCD, AND NPD. THERE WERE AREAS NOT COVERED IN AUDITS OF S&L AND GE SUBSEQUENT TO APRIL 8, 1981, HOWEVER, CURRENT AUDITS OF S&L AND GE HAVE COVERED THE MAJORITY OF APPLICABLE CRITERIA.
- B. PROCEDURE FOR INTERFACE WITH THE QCP TASKS TO VERIFY ADEQUACY OF WORK HAS BEEN DEVELOPED. THIS PROCEDURE HAS BEEN SUBMITTED FOR REVIEW.

COMMENTS

- A. IT IS ESTIMATED THAT 30 MAN DAYS WILL BE REQUIRED FOR REVIEW AND EVALUATION OF THE REMAINING AUDITS, AND FOR AUDITING THE REMAINING MISSED CRITERIA.

STATUS

THIS TASK IS 80% COMPLETE.

ESTIMATED COMPLETION DATE

OCTOBER 15, 1982 REVIEWS  
NOVEMBER 15, 1982 FINAL REPORT AND EVALUATIONS.