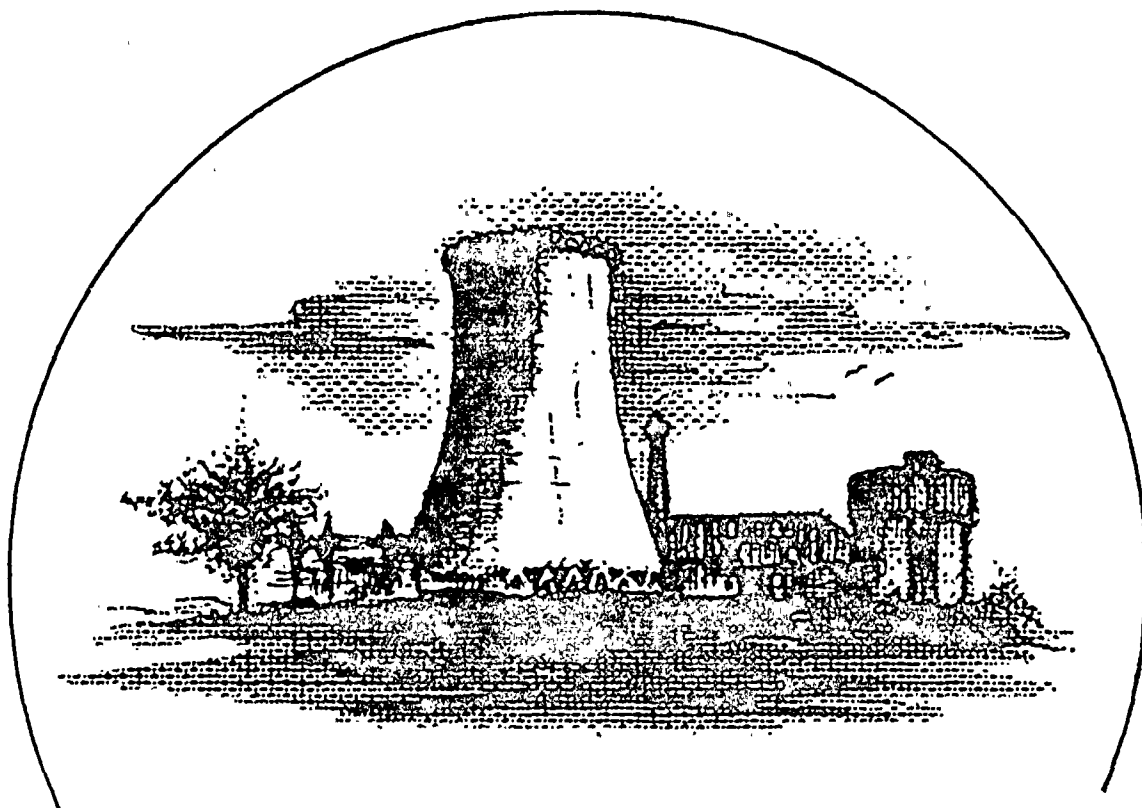


Project Report



Nine Mile Point Unit 2

AUG

8411150134 841109
PDR ADCK 05000410
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AUGUST 1984
PROJECT REPORT

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I. EXECUTIVE SUMMARY

A. Project Director

The Project is on schedule for a February 1986 fuel load date. During this period, due to both replanning of work and acceleration of small bore piping for the integrated systems flush, some schedule recovery was obtained and our schedule contingency margin has improved.

Serious efforts were made by the Project to recover from the delays reported in June, and we are pleased to say that some successes have been obtained. In last month's report a stringent action plan was discussed, and while not all of the required actions were fulfilled some key actions which affect the near term progress were done in accordance with the plan. This resulted in the Project achieving 2.46% progress (against 2.47% planned). It should be noted that of the 2.46%, approximately 0.15% resulted from an adjustment in the engineering percent complete. The Project now stands at 79.3% complete.

Bulk installation of commodities generally continue at a satisfactory pace with key programs either meeting their plan or showing improving trends with the exceptions of instrumentation tubing which suffered delays due to an over concentration of work effort on systems completion work, and in our bulk pulling of cable where we failed to provide adequate backlog. Continuing delays are being experienced in providing adequate backlog of work for electrical checkout and loop calibration.

In this period a revised cash flow plan was considered; it is doubtful that the revisions are necessary or will be approved. Measures are underway to keep our cash outlays within the \$675 million plan for the remainder of 1984. The Project expects to have an approved cash flow plan by 9/5/84.

Our planning efforts continue, and an improved integrated systems flush schedule is in use. Vigorous start-up and construction team efforts, backed up by a good plan are underway to get essential parts of the 4160V electrical systems energized and to have flushing started in August on the condensate and service water systems.

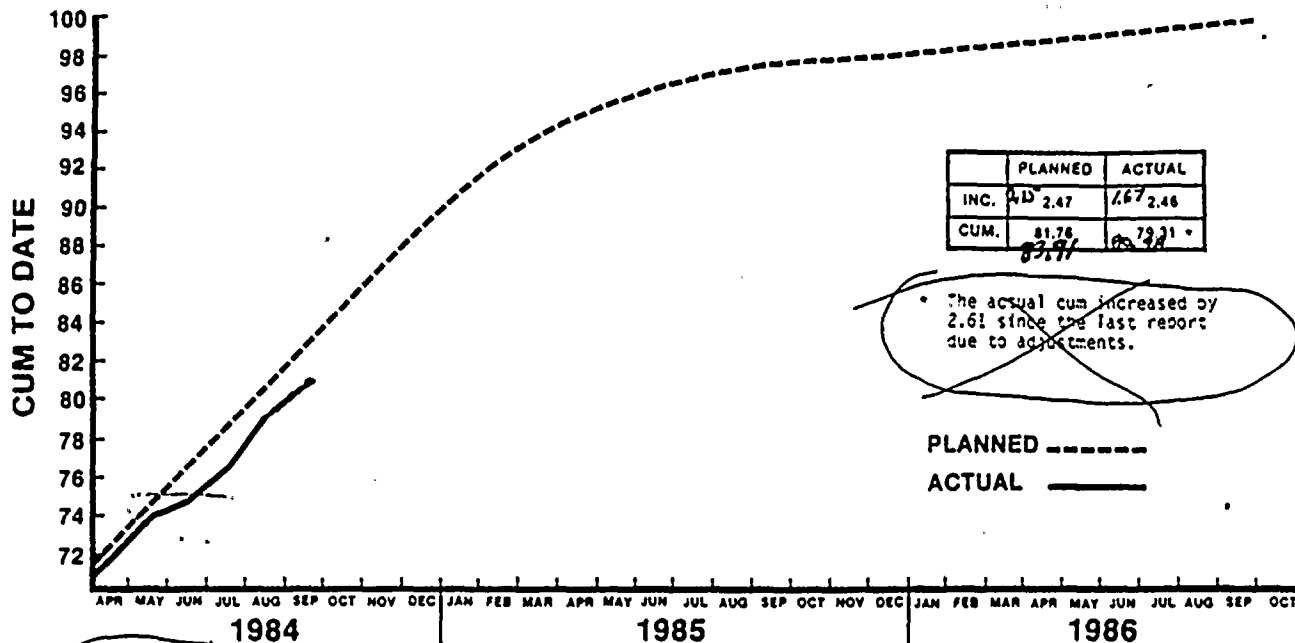
However, we have continuing disappointments with our ability to get the entire project schedule plan operational. This area continues to receive close management attention.

The SWEC Action Plan due to be complete by August 31 is viewed as being a reasonably successful program. It will be continued under the title of "Project Improvement Program" and will carry key management actions required to solve significant Project problems.

The Project will meet its 8/31/84 commitment to the NRC relative to the construction Appraisal Team Inspection Report.

TOTAL PROJECT PERCENT COMPLETE PERFORMANCE CURVE

NINE MILE POINT NUCLEAR STATION - UNIT 2



The actual cum increased by 2.61 since the last report due to adjustments.

NOTE:
 THIS CURVE IS PRELIMINARY & REFLECTS PROJECT DATA AVAILABLE AS OF 8/19/84.
 AS REVISED PROJECT CONTROL PROGRAM DATA IS FINALIZED IT WILL BE INCLUDED IN THE CURVE.



I. EXECUTIVE SUMMARY

B. Manager Quality Assurance - Projects

The overall quality of on going hardware installations appears to be satisfactory. Deficiencies that are identified are documented and satisfactorily resolved within the various contractor's Quality Assurance Programs. However, enhancements are continuing to be made in the contractor's programs to assure adequate software is available to substantiate the installation activities. In order to accelerate these enhancements NMPC-QA is performing an assessment of each of the Contractor's Quality Assurance Programs. These assessment activities are discussed below.

The corrective actions that have been instituted to reduce the ITT Grinnell reject rates have not been totally effective since the rate of rejects has not yet reached an acceptable level. SWEC Quality Assurance, in response to the request of ITT Grinnell Quality Assurance, will perform an evaluation and determine what additional action can be taken to reduce the reject rate.

Stone & Webster's detailed audit of the SWEC Quality Assurance Monitoring Program for contractors has been completed. The final report is forthcoming and will include recommendations for improving certain areas of the program. The results do indicate, however, that the program appears adequate and effective.

NMPC Project Quality Assurance began a detailed assessment of the effectiveness and adequacy of the on-site contractors programs. To date, the assessment of Johnson Controls Inc. (JCI) and Reactor Controls Inc. (RCI) has been completed, with the assessment of Stone & Webster and ITT Grinnell continuing. A final report will be issued summarizing the results and actions taken when the assessments are completed. To date, one Corrective Action Request and five recommendations have been identified for JCI, presently all address software problems; and ten Corrective Action Requests and 14 recommendations have been identified for RCI, presently all address software problems.

The Independent Assessment Team is continuing its review of completed CAT Action Plans, NRC deficiencies identified in the SALP Report, and NMPC/Contractor identified deficiencies.

Quality Concerns

1. Contractors' quality programs, in some cases, allow certain inspections to be delayed until final installation activities are complete. This could have an adverse impact on the Project depending on the inspection results. Quality Assurance will review specific activities with the Project to determine if changes to certain programs are required.
2. The results of NMPC QA Assessment of RCI's quality Program effectiveness could require major changes to the program. An evaluation of the results is currently in progress.
3. Results of the Independent Assessment Team evaluation of site contractor deficiency documents indicate that the original sample size selected will probably increase. The quality impact on the Project cannot be determined at this time.



II. MILESTONE SCHEDULE STATUS (Cont'd)

G. Radwaste System

Efforts continue to adjust the radwaste schedule. Analysis of the existing milestone schedule depicts an on-schedule status.

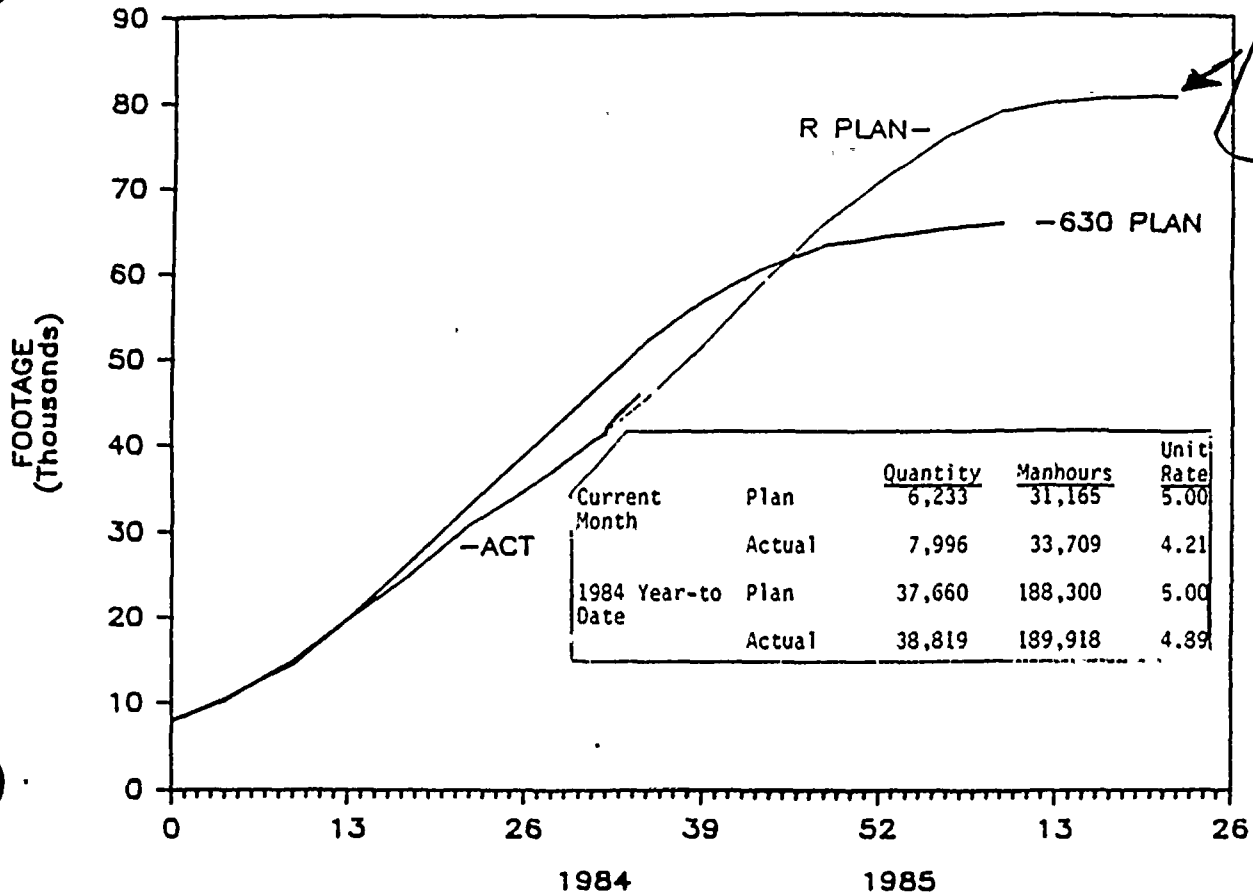
For the balance of the milestones, work proceeded in support of the milestone dates with no overall impacts noted.

Flow Induced Vibration
Ventilation
Integrated Leak Rate Test
Fuel Receipt
Fuel Load
Loss of Power



SWEC PLAN VS ACT

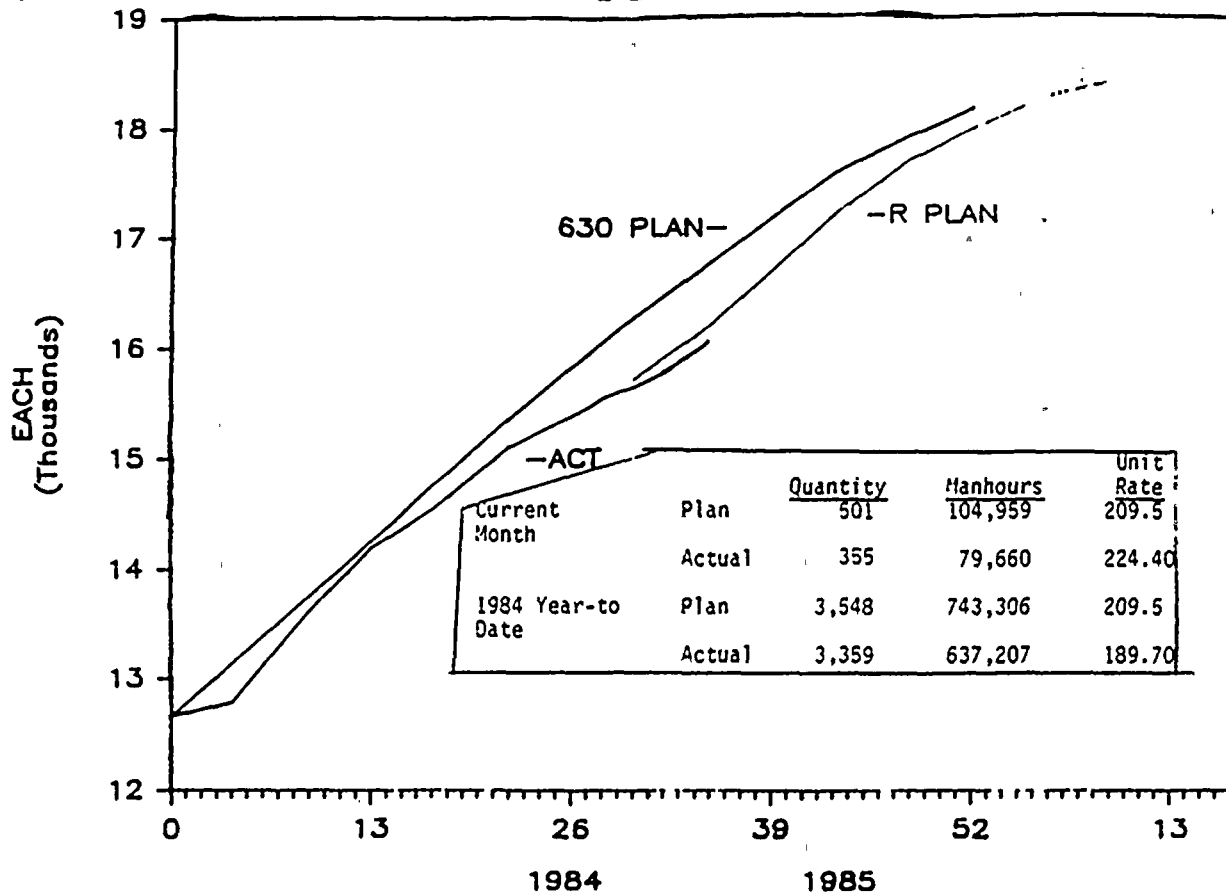
S B PIPE





ITT PLAN VS ACT

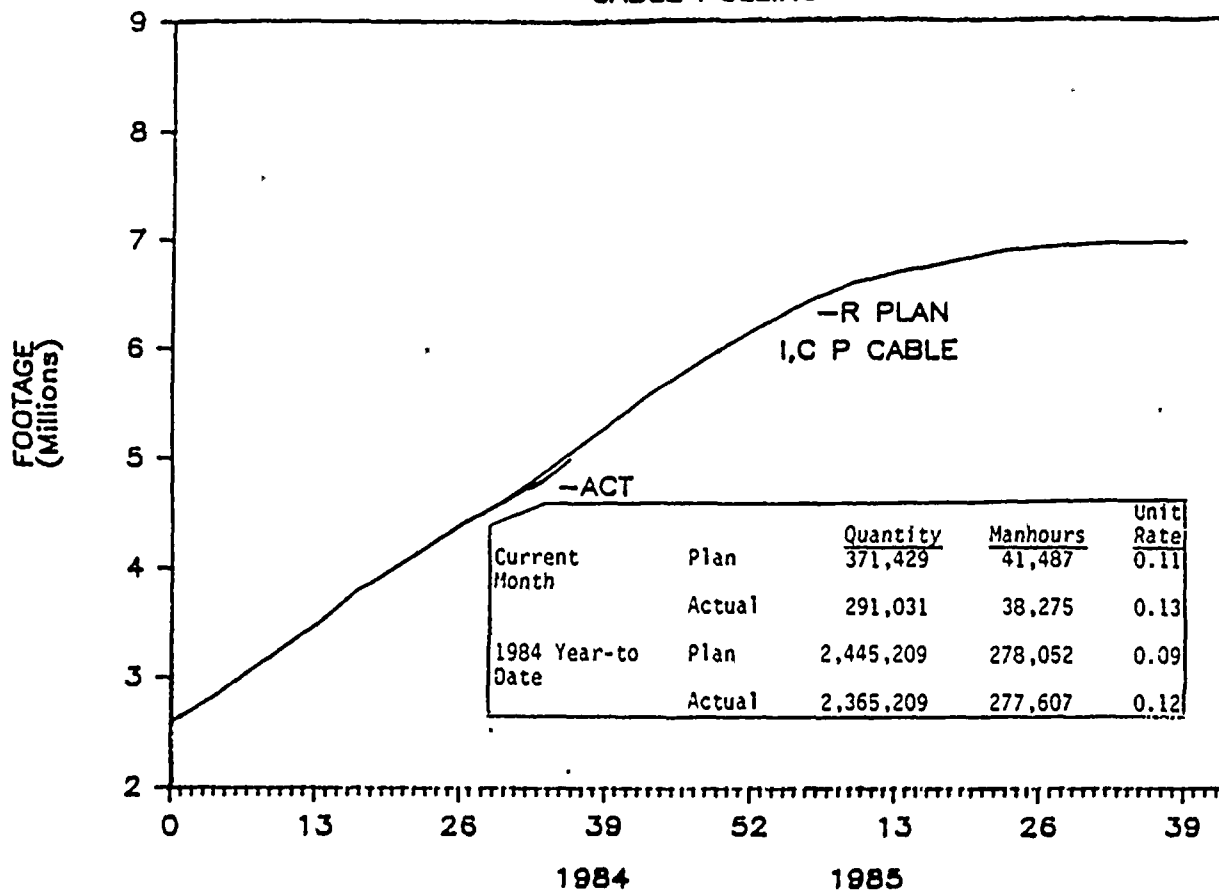
L B PIPE SPTS





LKC PLAN VS ACT

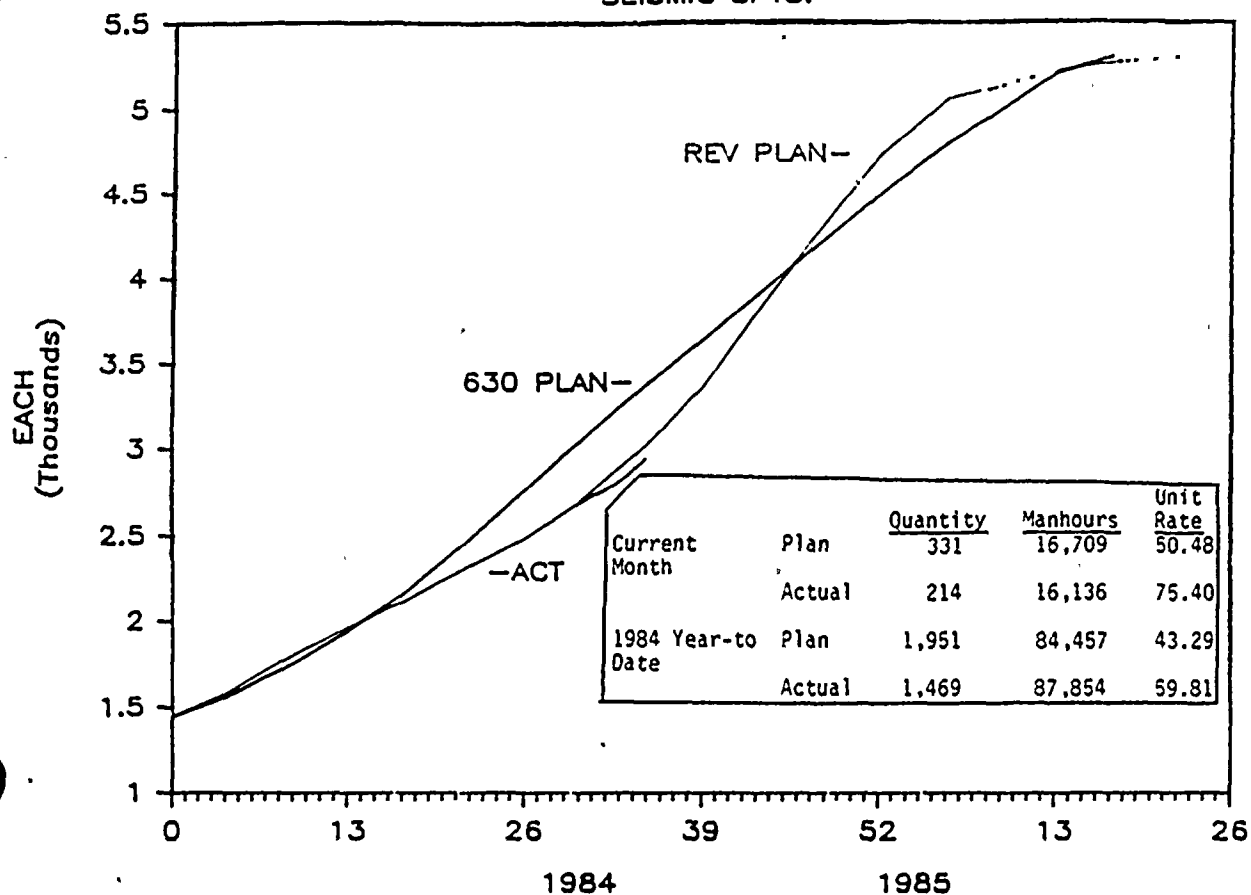
CABLE PULLING





JCI PLAN VS ACT

SEISMIC SPTS.



The unit rate was high due to excessive effort in systems completion.
The Project is reviewing JCI's plan and staffing.



III. CONSTRUCTION (Cont'd)

Construction turnover of systems to SWEC Advisory Operations Division for preliminary testing continues to exhibit shortfalls. As discussed in various sections of this report, significant Project Management actions continue in this area.

Weld reject rate performance continues to exhibit improvements. Since the implementation of the weld improvement program on May 30, 1984, through August 15, 1984, the weld rejection rate has been approximately 15 percent for 139 original welds. ITT Grinnell has implemented a comprehensive program to complete activities within the proper levels of acceptability and minimize repair work.

Construction Management continues to emphasize housekeeping and cleanliness. General site conditions continue to improve slightly as a result of proactive Materials Management follow through of contractor responsibilities and surveillance by Construction personnel. However, sustained improvements are required.

Corrective actions taken by SWEC have resulted in significant improvements in their small bore piping performance.

The Project will change to a standard work week of five, 9-hour days after Labor Day. Week-end overtime will be restricted to critical work on turnover within the thirteen week look ahead schedule.



III CONSTRUCTION (Continued)

2. ITT Grinnell

Overall, ITT Grinnell's commodity installation performance through this period sustained improvements noted in the previous report. However, large bore hangers continue below planned quantities. Management actions have included improvement recommendations, review of potential positive actions which can be adapted from the SWEC Hanger Program, and a prioritization of those essential hangers required to support near term BIP turnovers.

SWEC continues working with ITT to improve the turnaround to support the Stress Reconciliation Program.

Coordinated efforts are required on the part of ITT Grinnell to support Johnson Controls in the installation of root valves and thermal wells.

ITT Grinnell document review for hydros and insulation releases is being examined to mitigate system turnover and testing delays.

Other efforts underway include relief with regard to ITT Grinnell QC involvement in Category II & III work, and the documentation of material shortages through a site-wide inventory.

3. L. K. Comstock

L. K. Comstock's production has generally accelerated throughout this period in the areas of cable terminations and conduit installation. Emphasis remains focused on cable pulling production improvements necessary to recover cumulative deficits.

Although improvements were experienced in cable terminations, LKC must substantially improve their performance in this area.

Assistance by Johnson Controls in identifying future instrument locations will permit L. K. Comstock to route conduit in advance of device installation.

Efforts must continue toward release of raceway tickets on hold, improvement of the cable pulling backlog and cable termination output, and completion of the 4160v milestone.

Cable pulling backlog drawdown, electrical FQC inspector attrition affecting commodity releases, and BIP restraints continue to receive management attention. The interim results thus far suggest performance in a positive direction.



III. CONSTRUCTION (Continued)

B. Contractor Performance (Continued)

8. Metal Cladding Industries (Condensate Storage Tanks)

The tanks were successfully hydrotested subsequent to minor rework. Additional rework has been punchlisted on internals and schedule impacts are not anticipated.

9. Insulation Contracts (Various)

Schedule slippages in hydro testing mechanical piping systems are restraining insulation applications. This is not significant in terms of major impact but is receiving management attention. The contractor is restricting manpower levels until a sufficient backlog has been generated.

10. Randall Electric

Progress is being affected by the late release of cooling tower electrical design information. Engineering is expediting required design information. Schedule exposure is not serious at this time.

11. Synder, Mackin and Shaffer

Efforts are underway to consolidate the construction site temporary power systems.

12. Tuscarora Construction (Revetment Ditch)

Progress remains approximately three weeks behind schedule and completion is anticipated for October, 1984, with no schedule impacts projected.

13. Pullman (Main Gas Stack)

Pullman has fallen behind the schedule and has been advised that backcharges will be employed to recover costs generated in maintaining the on-site concrete batch plant beyond the scheduled dismantling. Pullman has reassessed their manpower requirements and the potential for shift work to avoid this action.

Pullman has completed 42 of the scheduled 56 concrete lifts, with a schedule slippage of about 6 weeks. However, efforts should conclude in support of dismantling the concrete batch plant.

14. Reactor Controls Inc. (NSSS)

In general, the Recirculation System and Control Rod Drive installations are proceeding on schedule. Internal activity on the RPV remains about eight weeks behind schedule. This portion of work continues to receive action.



IV. ENGINEERING

A. General

Overall Engineering and Design efforts continue on schedule. The most significant areas include cable routing, setpoint development, responses to FSAR questions, Cat. II and III stress data packages, and ALARA shielding. The Bar Chart Summary of the 1984 Engineering Work Plan, as amended, is provided on the following two pages.



IV. ENGINEERING (Continued)

B. Problem Areas

1. Spare Parts

The total schedule for the spare parts effort has been revised to reflect the 8/1/84 manpower reduction. Future progress will be monitored against the new schedule which currently projects that the total spare parts procurement effort will be complete by January 1985.

2. As-Builts

A revised as-built submittal schedule, based on the Project Integrated Flush Schedule, is currently being developed. To-date, 42 out of a total of 330 as-builts have been submitted for engineering reconciliation. All as-built stress analyses are to be completed by September 1985.

3. Appendix R

A meeting was held between SWEC and MMPC on July 26, 1984 to review the list of the proposed design changes for Control Room/Relay Room fire. The list is being modified to incorporate MMPC's comments.

At SWEC's request, MMPC ran a mock Appendix R Fire Drill to determine the time it would take Control Room operators to leave the Control Room, start the emergency diesel generators and the RCIC system and take over control in the remote shutdown room.

SWEC initiated the allocation of control devices on the Appendix R disconnect panels, developed a fire scenario for analysis and the FSAR, and held discussions with GE for potential systems analyses.

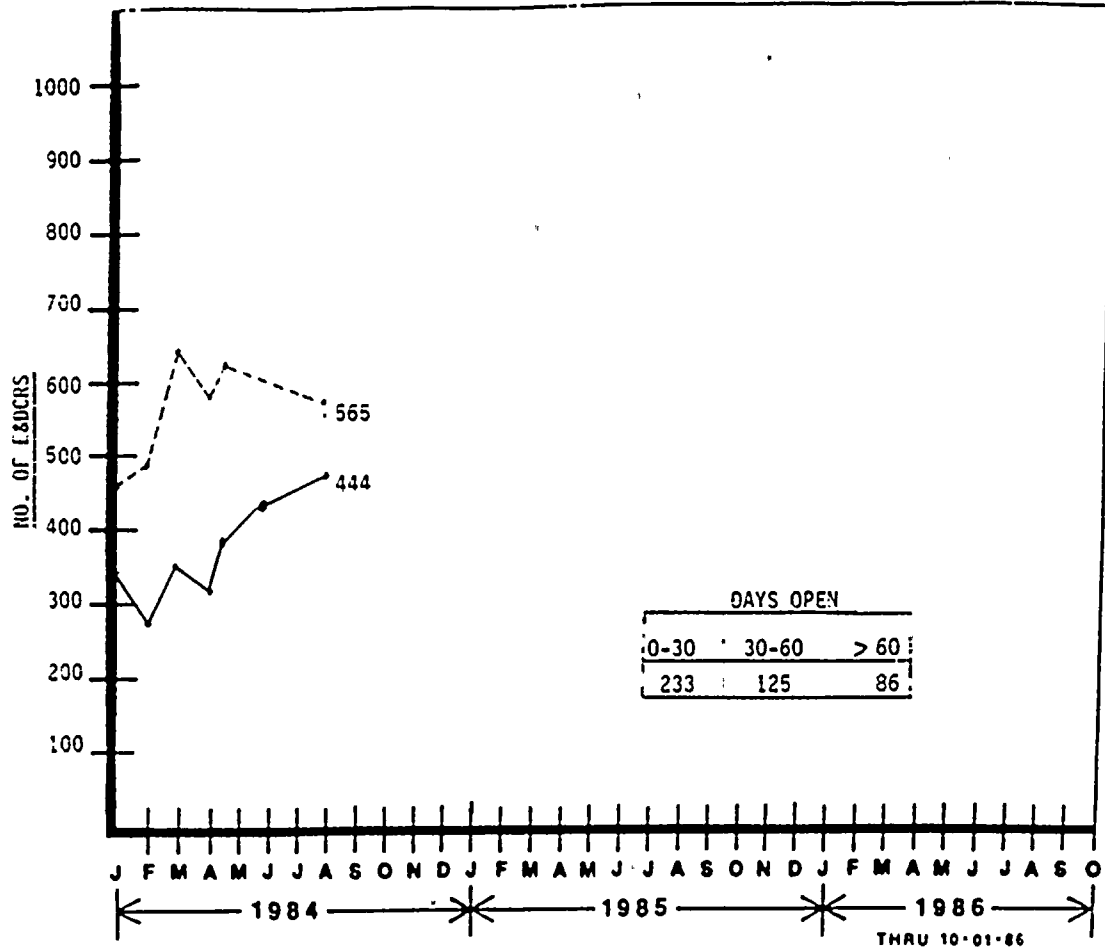
Schedules for implementation of these design changes and the FSAR input were submitted to MMPC.

4. Equipment Qualification

Although work continues on Equipment Qualification, the effort remains behind schedule due to the backlog of SWEC Radiation Protection calculations and lack of vendor document submittal. The calculation backlog has been significantly reduced by the assignment of additional manpower. Vendor document submittals have improved. However, more intensive expediting and vendor communications are planned to further improve submittals.



E3DCR STATUS



—— Open with Engineering at Month End

----- Answered by Engineering during Month



AUGUST SITE STAFFING (EQUIVALENT)

	<u>MANUAL</u>		<u>NON-MANUAL</u>		<u>TOTAL</u>	
<u>COST REIMBURSABLE</u>	<u>P⁽¹⁾</u>	<u>A</u>	<u>P⁽¹⁾</u>	<u>A</u>	<u>P⁽¹⁾</u>	<u>A</u>
SWEC		1353		1113		2466
Walsh		731		37		768
LK Comstock		791		110		901
ITT Grinnell		951		369		1320
SMS		83		4		87
JCI		216		88		304
Schneider		142		16		158
Wiltzie	—	0	—	0	—	0
Subtotal		4267		1737		6004
<u>Hard Money</u>						
A11		226		35		261
GE/NSSS				80		80
MMPC				452 ⁽²⁾		452 ⁽²⁾
 TOTAL		4493		2304		6797

Note:

(1) Currently under review; will be provided in next month's report.

(2) MMPC includes MAC, NYSEG, RG&E and Central Hudson.

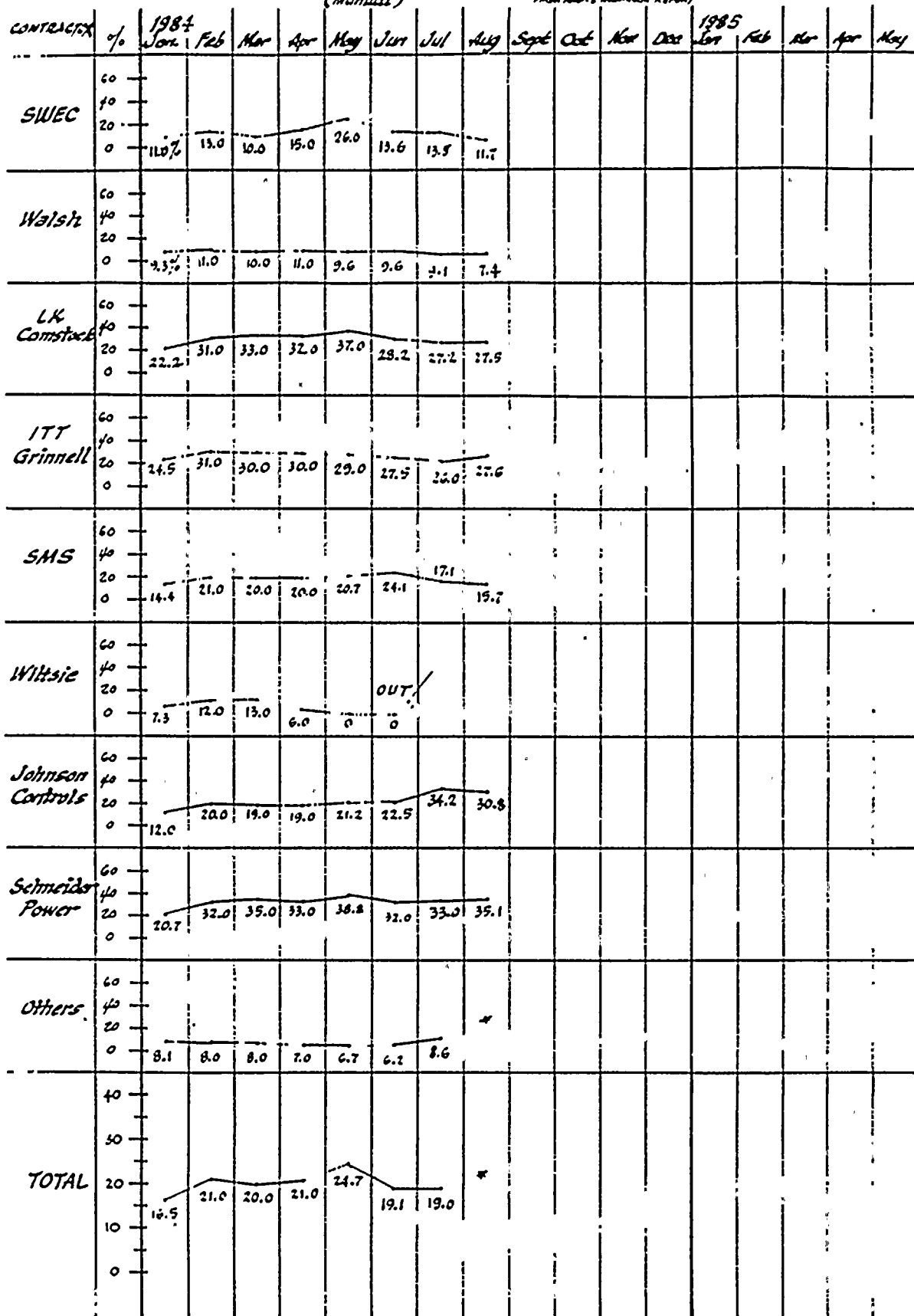
Manual Manpower (weekly payroll headcount)

Manual Manpower (weekly payroll headcount)																	1985						
1984																	1985						
Jun																	Jul	Aug	Sept	Oct	Nov	Dec	Jan
1/8 1/15 1/22 2/5 2/12 2/19 2/26 3/5 3/12 3/19 3/26 4/2 4/9 4/16 4/23 4/30 5/7 5/14 5/21 5/28 6/4 6/11 6/18 6/25 7/2 7/9 7/16 7/23 7/30 8/6 8/13 8/20 8/27 9/3 9/10 9/17 9/24 10/1 10/8 10/15 10/22 10/29 11/5 11/12 11/19 11/26 12/3 12/10 12/17 12/24 12/31																	1/1 1/8 1/15 1/22 1/29 2/5 2/12 2/19 2/26 3/5 3/12 3/19 3/26 4/2 4/9 4/16 4/23 4/30 5/7 5/14 5/21 5/28 6/4 6/11 6/18 6/25 7/2 7/9 7/16 7/23 7/30 8/6 8/13 8/20 8/27 9/3 9/10 9/17 9/24 10/1 10/8 10/15 10/22 10/29 11/5 11/12 11/19 11/26 12/3 12/10 12/17 12/24 12/31						
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schneider power																							
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400 300 200 100																	247 247 247 246	223 221 223 221					
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6000 5500 5000 4500 4000 3500 3000																	4904 4910 4895 4888	4969 4901 4924 4844					
724 724 723 726 726 726 726																							

NOTE:
7/13 and 7/20 INFO NOT AVAILABLE

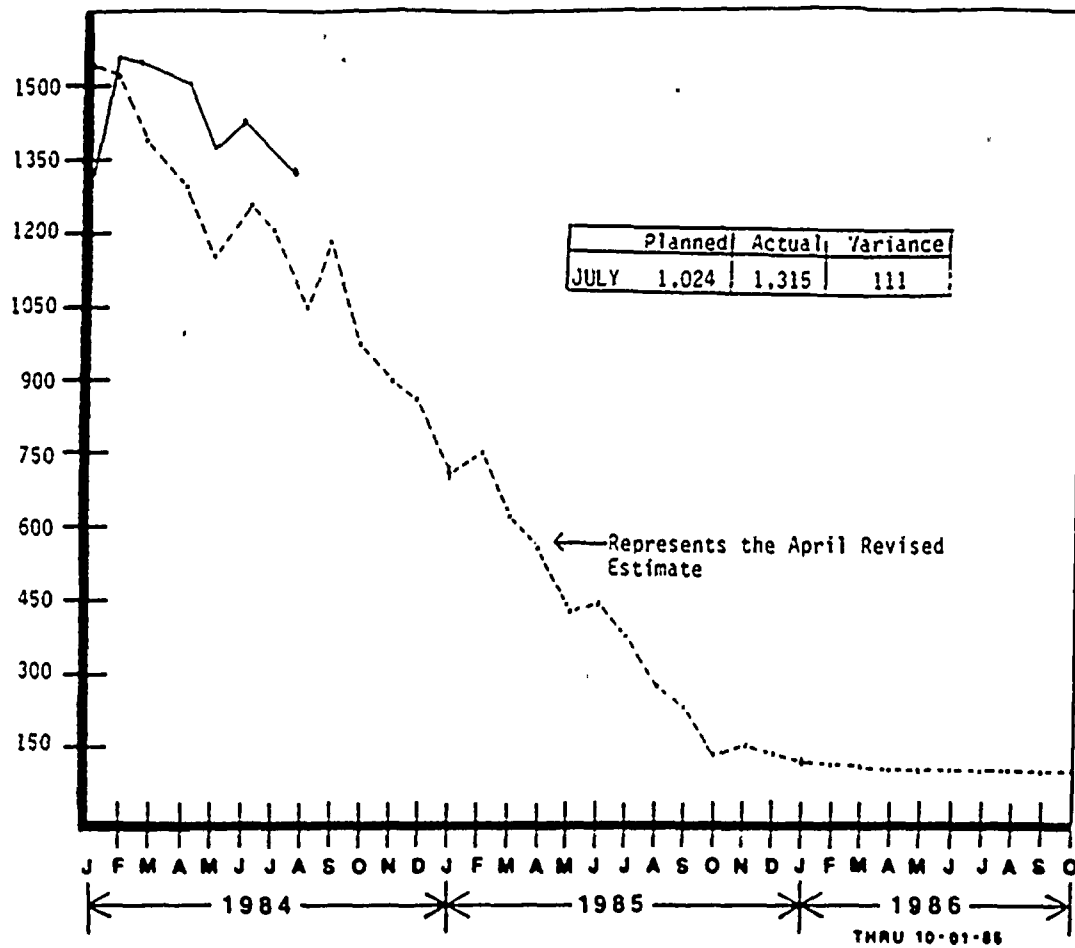
PERCENT OVERTIME (Overtime/Straight time) by MONTH
(Manual)

FROM HARRIS' MONTHLY REPORT



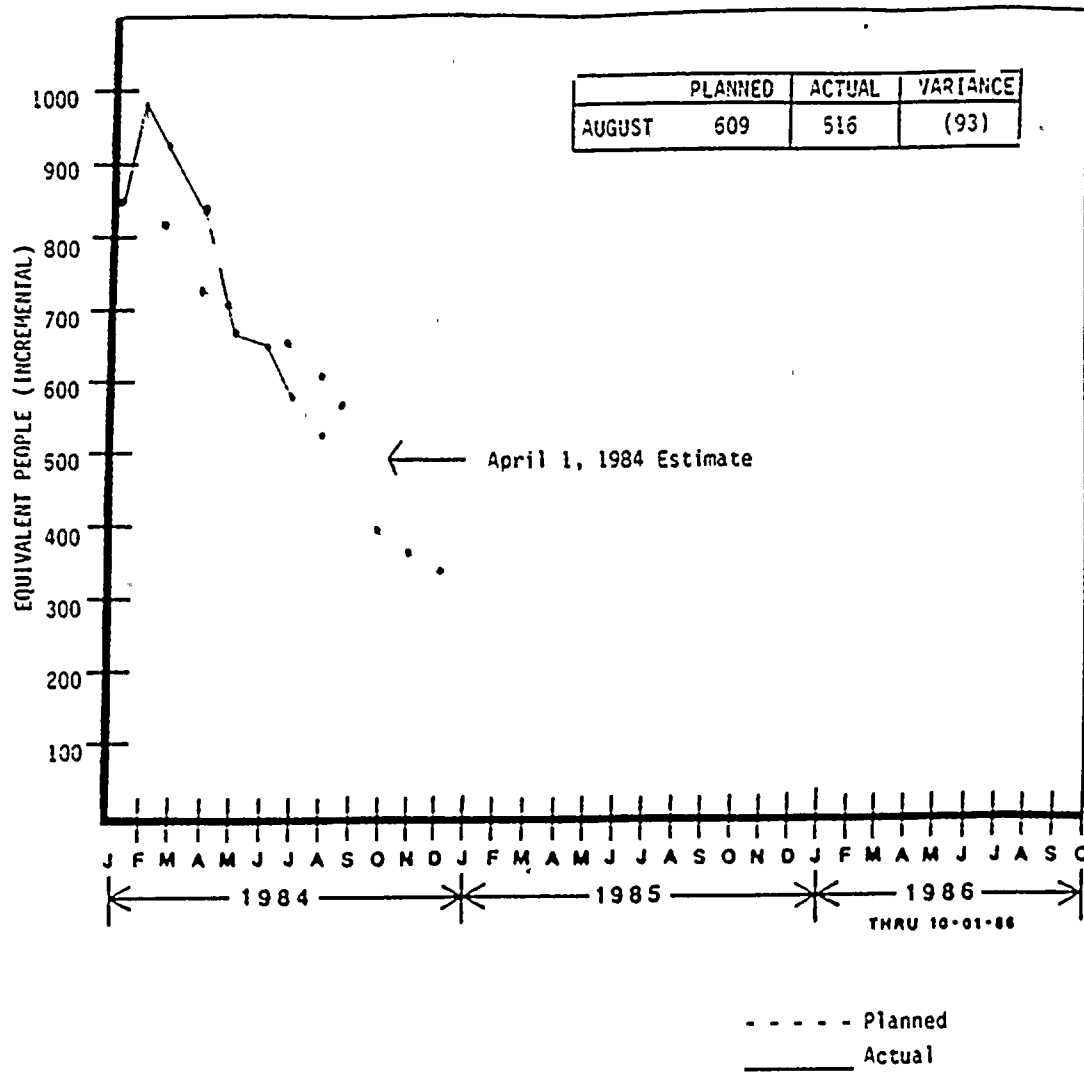
* FIGURES NOT AVAILABLE

SWEC HEADQUARTERS SERVICES
EQUIVALENT MANPOWER
(E3D Including SEG, Project Services
Ad Ops, QA/QC)





SWEC ENGINEERING AND DESIGN MANPOWER
(CHERRY HILL, Excludes SEG)





VI. QUALITY ASSURANCE

A. NRC Construction Appraisal Team (CAT) and Enforcement Letter

As a result of the verification of corrective/preventive actions for the eight violations identified in the Enforcement Letter, 19 discrepant/deficient items had been identified. As of August 21, all of the items have been resolved, verified, and closed.

The initial verification of all the CAT Action Plans has been completed. As a result, 18 discrepant/deficient items remain unresolved as of August 21. The scheduled completion date for resolution and reverification of the 18 items remains August 30, 1984.

B. Other NRC Activities

The potentially reportable deficiency (50.55e) concerning deficient welds in the CRD Support System has been evaluated by NMPC Nuclear Engineering & Licensing. The NRC was notified July 26, 1984 that the deficiency was potentially reportable. As required, an interim report for the NRC is presently being written.

NRC Open Items, Unresolved Items and Notices of Violations, that remained open as of August 20, are statused below. This excludes the eight violations cited in the Enforcement Letter of March 20, 1984.



VI. QUALITY ASSURANCE (Continued)

C. Staffing

The present Quality Assurance/Quality Control Staff (including contractors) at the Project Site is 619. NMPC QA-Projects is presently below the authorized staffing level due to recent transfers and resignations.

D. Independent Review

The Independent Assessment team has performed their review of completed CAT Action Plans (Phase I). The remaining CAT Action Plans will be reviewed as they are completed. As a result of the review performed as of August 17, six Corrective Action Requests have been issued identifying deficiencies that had remained uncorrected. Five of the Corrective Action Requests presently identify software deficiencies and one identifies a hardware deficiency. The identified hardware deficiency will require a reinspection of all welds on the Enterprise System by RCI and may require a reinspection of all previous RCI Quality Control accept welds. The interim report for Phase I was completed and submitted to the NRC and NMPC on August 15, 1984.

The review of NRC identified deficiencies (Phase II) is in progress. As a result of the review performed to date, three Corrective Action Requests have been issued identifying deficiencies/discrepancies. The three Corrective Actions presently identify software deficiencies. The interim report for Phase II is being formalized and is scheduled for issue on August 24, 1984.

The review of NMPC identified deficiencies during January 1, 1981 through March 31, 1984 (Phase III) is in progress. The review consists of 218 items, 173 of which have been reviewed and are closed and the remaining 48 are in process. As a result of this review to date, one Corrective Action Request has been issued. Formalization and issue of the interim report for Phase III is anticipated for September 7, 1984.

The review of Contractor's deficiencies identified during January 1, 1981 through March 31, 1984, is in progress. A sample of 2,447 items has been selected for review, of which 362 items have been reviewed and are closed, 168 items are presently being reviewed, and the remaining 1,917 items have been assigned to individuals to commence the review. As a result of these actions, 15 Corrective Action Requests have been issued. The final report for Phase III is scheduled for issue on December 18, 1984.

B. Major Contract Issues

1. P301C - ITT Grinnell

Alternate Award Fee Program has been implemented to provide a bi-monthly ITT Grinnell additional incentive to accomplish scheduled work. This program outlines performance goals consistent with schedule objectives. Monies previously forfeited by ITT Grinnell through the Unilateral Award Fee Program are being used to fund this program.

2. E061A - L. K. Comstock

Tentative agreement has been reached with LKC on a renegotiated contract covering scope changes. The new total estimated value of the electrical contract is \$152,000,000.

3. P800A - GE NSSS Contract - Contract Extension/Cost Allocation

Meetings were held on the GE NSSS contract extension during August. Representatives from NMPC, SWEC and GE were present to attempt to resolve such topics as Project Management, Warranty, Retention, Site Technical Direction, Engineering Services and "C" rate conversion for Time and Material work.

Also scheduled at the August session was a review of cost allocation definition of the term "equipment". GE and NMPC developed different positions from an interpretation of the contract regarding responsibility for work to be performed on PGCC panels in the field. NMPC made a deduction from GE's March through July 1984 invoices totaling \$3,500,000.

During this reporting period, twenty NSSS quotations, and six NSSS-Spares quotations were dispositioned.

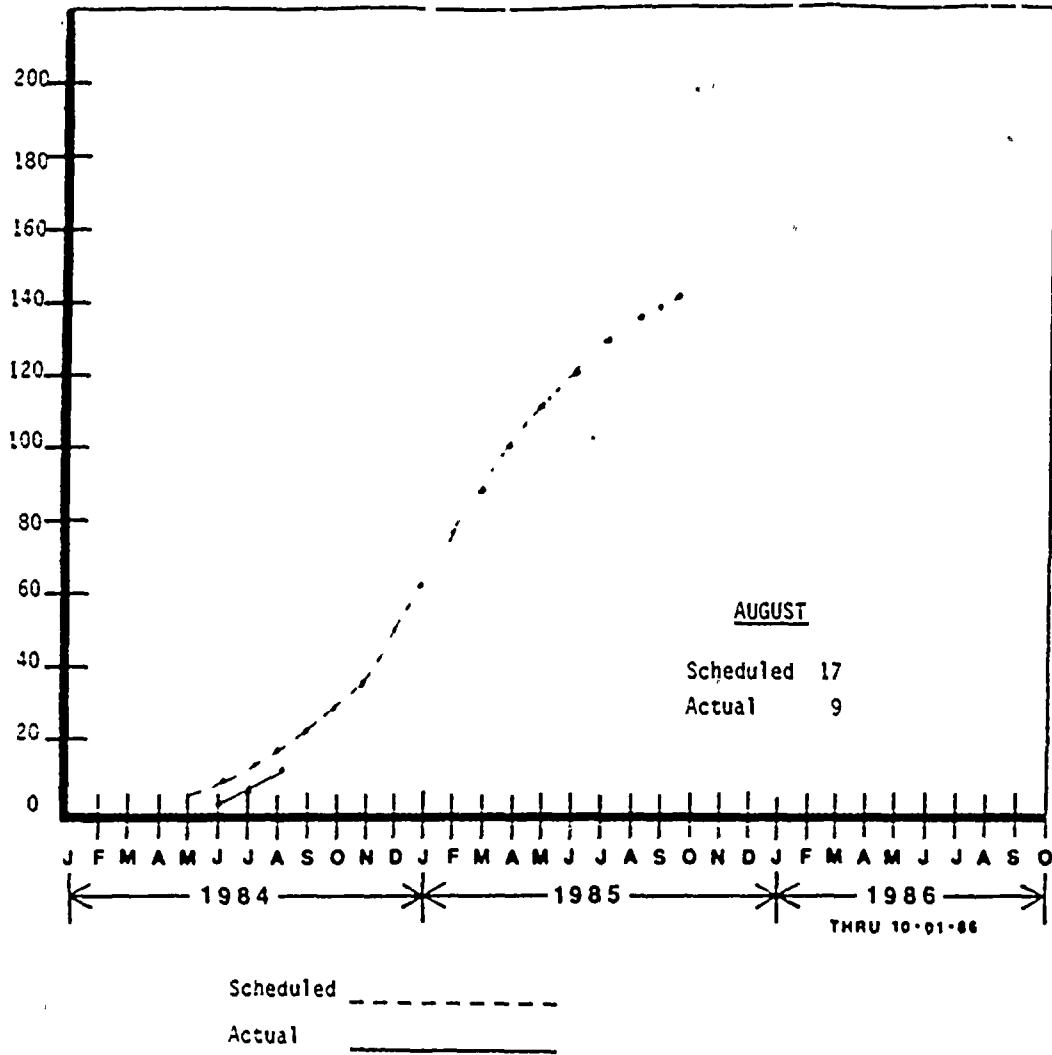
4. P800A - GE NSSS Contract - Amendment #20

NMPC is in the process of issuing a formal response to GE's latest submittal of Amendment No. 20 - Terms and Conditions for additional technical direction and extended field work. The response is an item by item commentary on rejectable and/or proposed GE Articles which are unsatisfactory to NMPC or otherwise do not agree with previously negotiated terms. It is anticipated that a response will be issued during August.

5. P282K - Rockwell International Hydrogen Recombiners

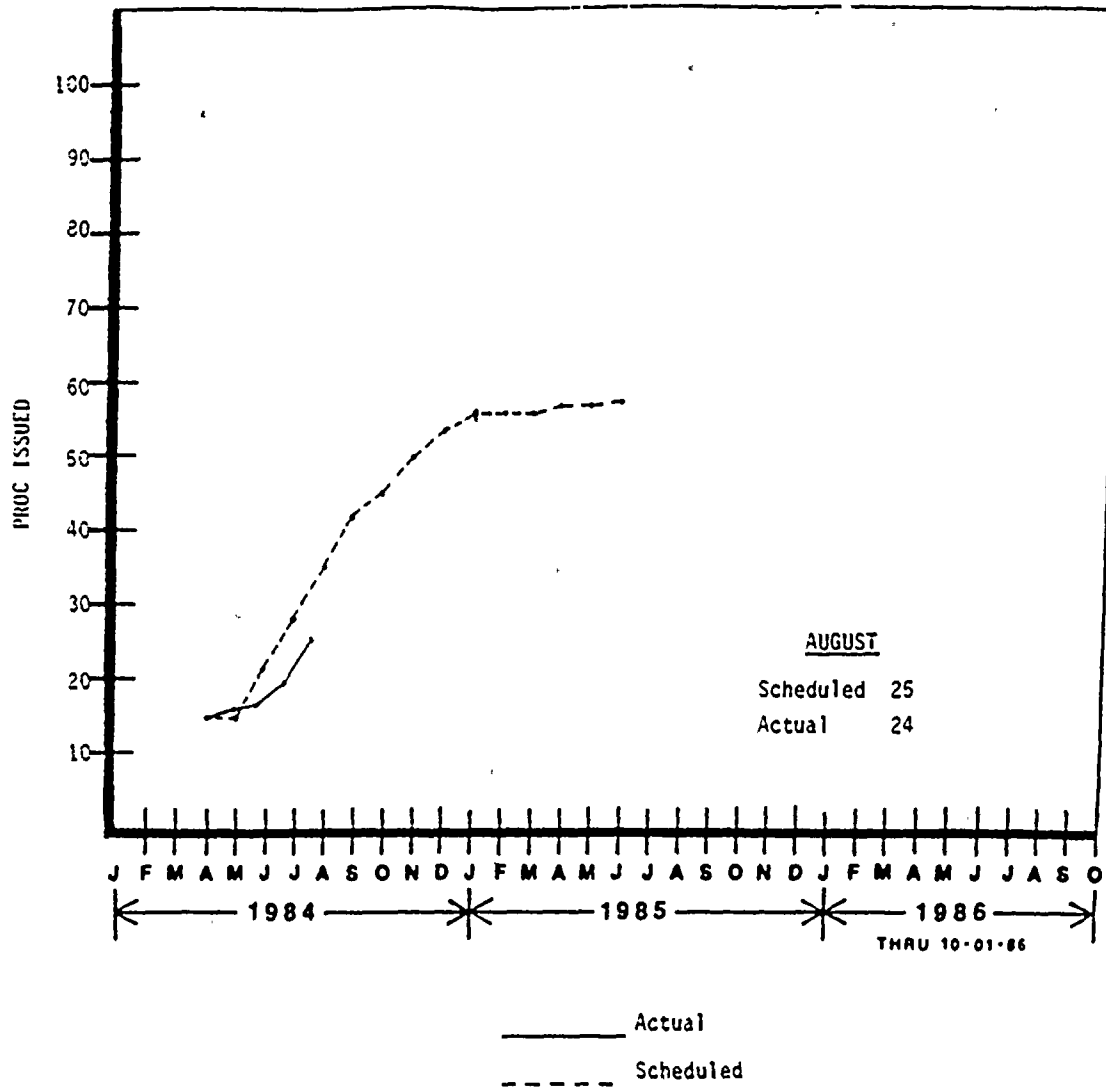
Rockwell has taken the position that no additional obligation to SWEC/NMPC is required to provide a qualification program under M/C-4 for \$37,000.00. Rockwell is guaranteeing NMPC participation in the new qualification program. The participation cost is \$250,000.00.

PREOP/ACCEPTANCE PROCEDURES ISSUED
(Cumulative)



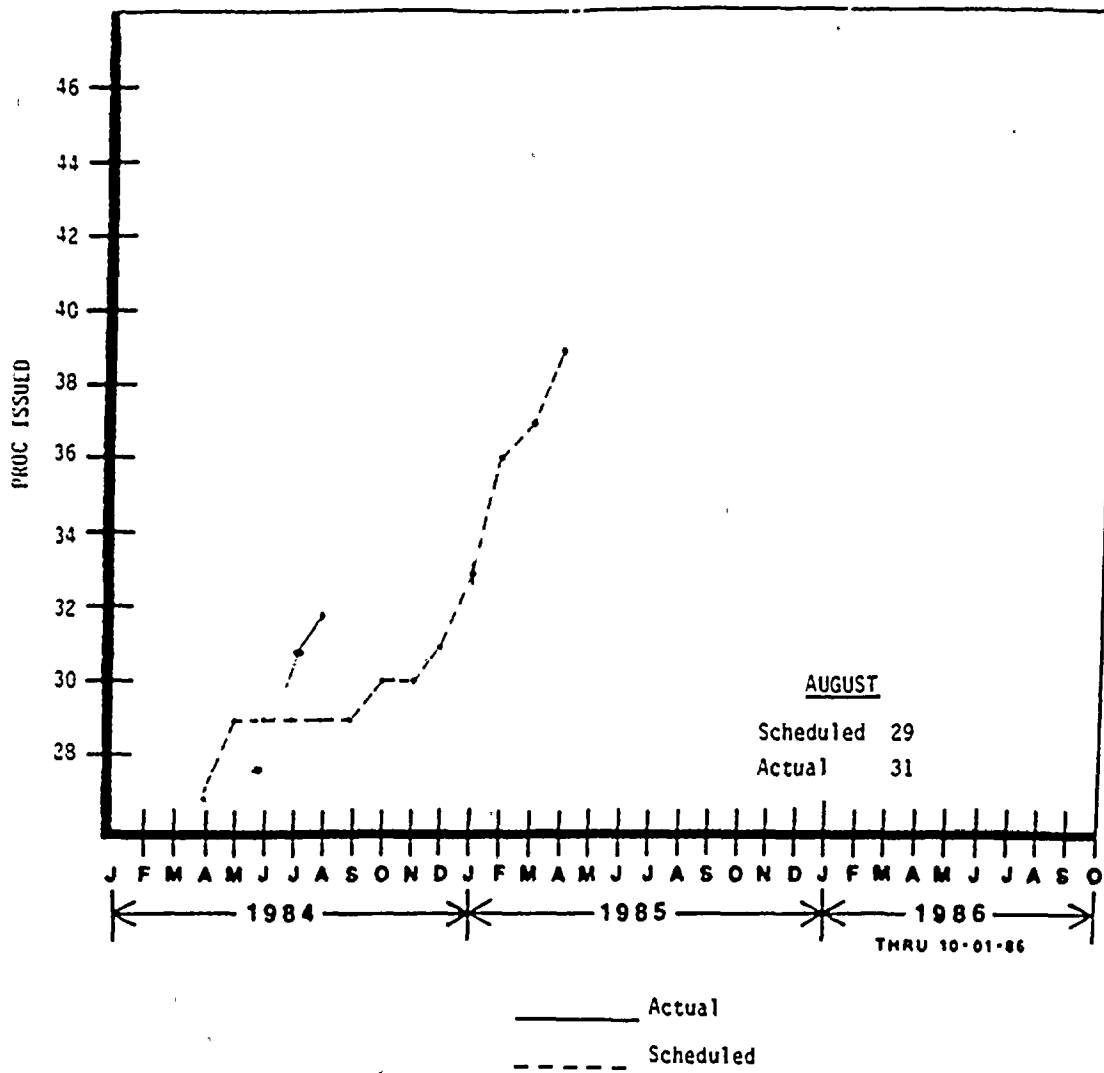


MECH PROCEDURES ISSUED
(Cumulative)



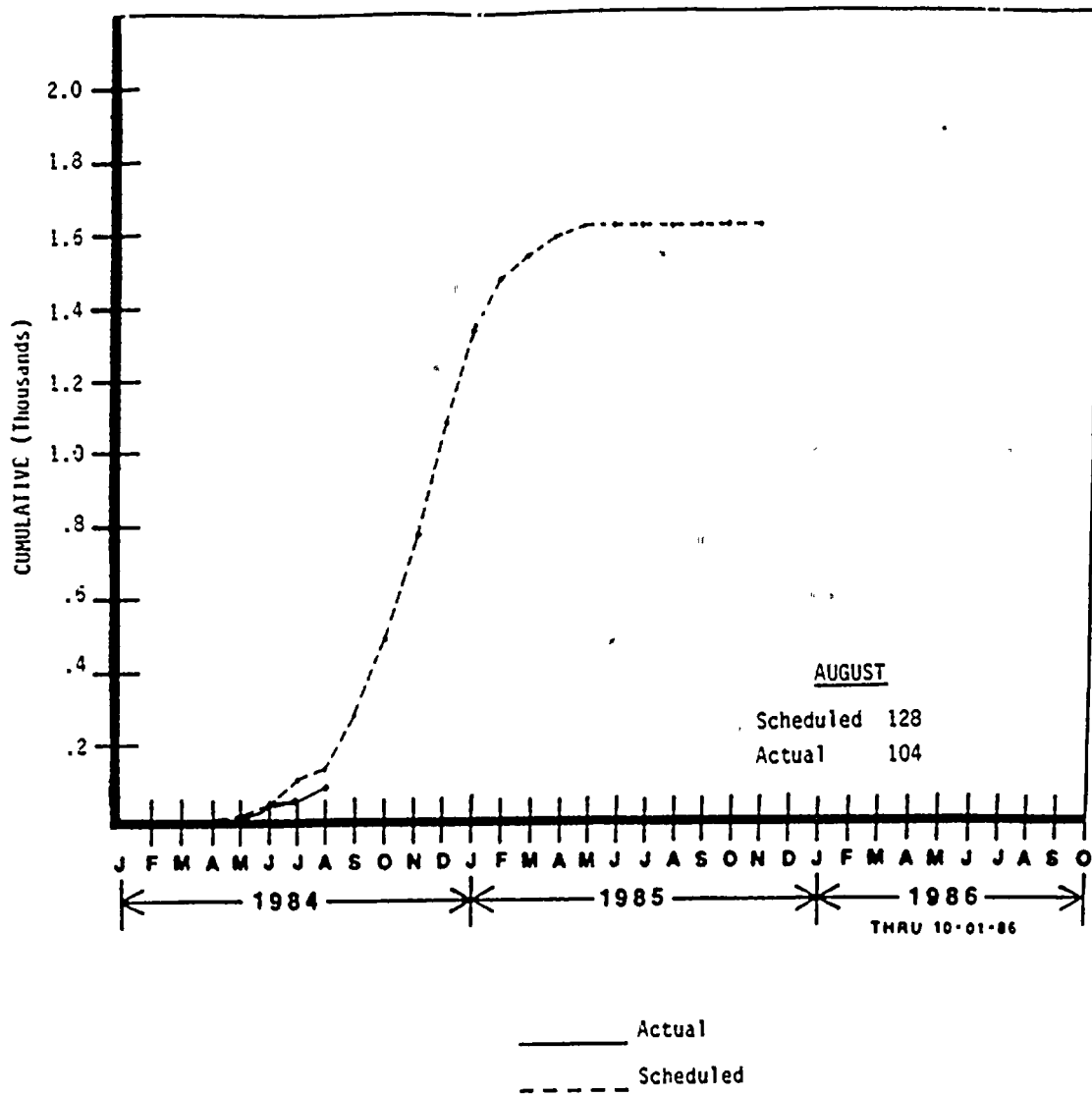
13C PROCEDURES ISSUED

(Cumulative)



STARTUP & TEST

FLUSHES





IX. COST

A. Cash Flow Summary

Approximately \$2,446 million* has been charged on the total Project to date.

As of August 19, approximately \$464.6 million has been expended in 1984. This is \$2.0 million over the \$630 million 1984 forecast plan. The original \$615 million 1984 forecast has been revised to \$630 million to reflect the 1984 contract re-negotiations between SWEC and NMPC for non-manual and Headquarters services.

Approximately \$54.9 million was expended in August versus the \$50.0 million planned.

B. August Cash Flow Variance Analysis

	<u>Variance</u>	<u>Remarks</u>
SWEC Manual and Non-Manual	\$3.1 million over	The manual staffing was approximately 602** manuals over the plan of 813. The non-manual manpower was over plan and non-manual overtime was over plan at 20%.
L. K. Comstock	\$2.4 million over	The manual staffing was approximately 402** manuals over the plan of 491. The manual overtime was 28% versus 22% planned. The non-manual staffing was approximately 9 men over the plan of 100. The non-manual overtime was 20% versus 18% plan.
ITT Grinnell	\$1.7 million over	The manual staffing was approximately 337 manuals over the plan of 729. The nonmanual staffing was approximately 184 over the plan of 300. The manual and nonmanual overtime were over plan at 27% and 28% respectively.

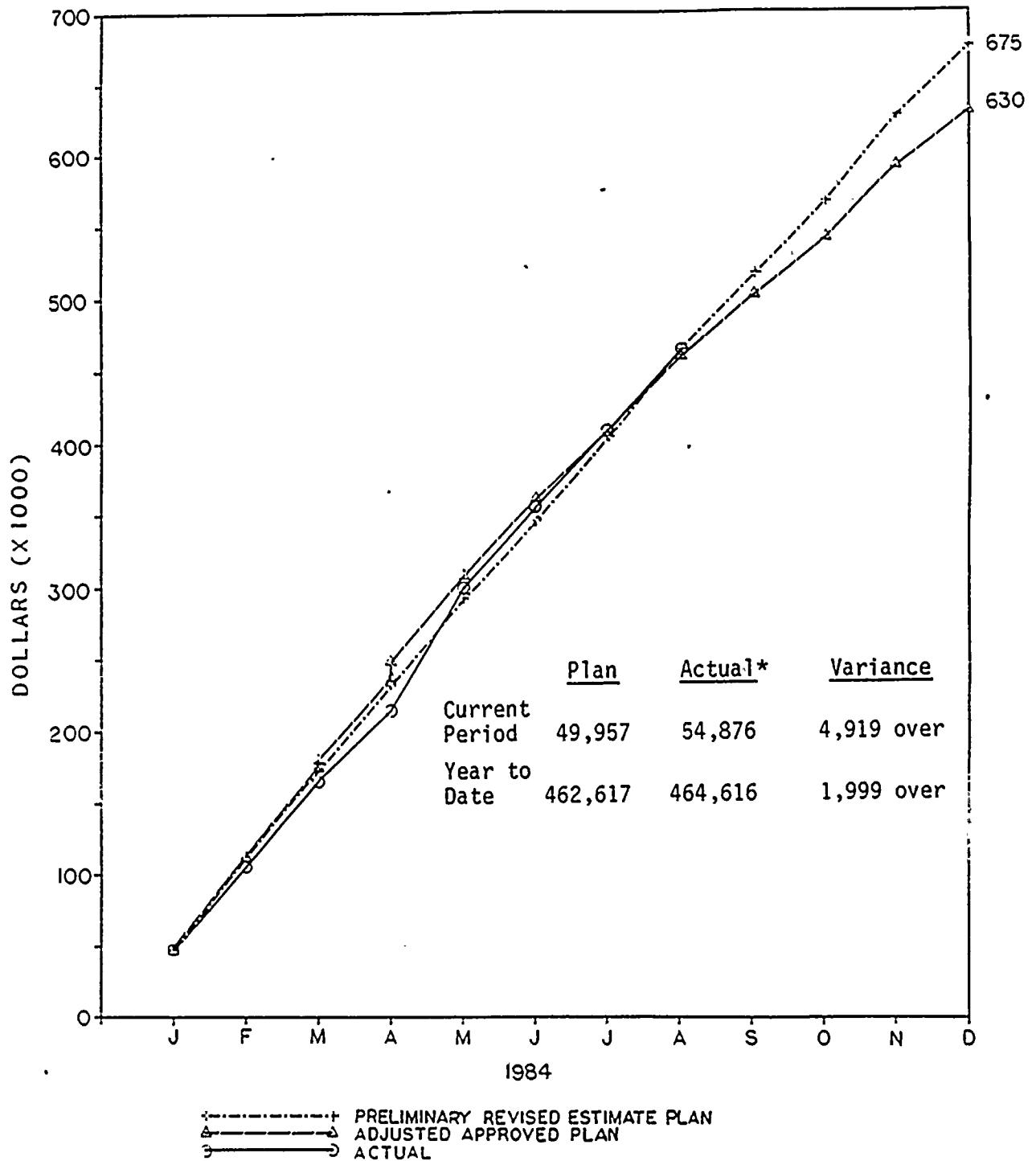
-----Continued-----

Note * This figure excludes \$2.6 million in Administration Building Expenditures.

** All manpower figures are approximate since actual payroll headcount figures for week ending date 8/19/84 were not available.



1984 PROJECT CASH PLANS



* These values are preliminary.



CONTINGENCY MANAGEMENT PROGRAM
APPROVED CHANGES
APRIL 1, 1984 to AUGUST 19, 1984

<u>ITEM</u>	<u>DRAWDOWN</u>	<u>ADDITION</u>	<u>CONTINGENCY BALANCE</u>
Balance 4/1/84			\$205,000,000
Rejection of NSSS PGCC Quote 256 by NMPC. This quote dealt with the Compensated Water Level Instrumentation System.		\$ 695,000	
Budget value in excess of vendor quote for Specification P233N for the procurement of materials and fabrication of Reactor Building radiation shields.		800,000	
NSSS Amendment #20 quote under budgeted amount. Amendment #20 is for technical support of preliminary test and startup.		3,000,000	
AOD CHOC review of NMPC preoperational and acceptance test procedures (CEP #01130)	\$ 259,700		
Extracting cable numbers from test loop diagram (CEP #01149)	53,200		
PGCC/NSSS support (CEP #01153)	1,910,192		
Revised budget for QA/QC, Engineering Assurance and PQA (CEP #01171)	4,243,480		



X. RECORDS/INFORMATION MANAGEMENT

A. Significant Activities

1. The MMP2 Records/Traceability Matrix has been compiled for ITT, JCI, RCI, Comstock, Walsh and SWEC Engineering. The data is currently being input on the MMP2 Records Management computer.
2. The Records Storage Assessment and the Document Control Assessment were initiated for the Project. The Records Storage Assessment will assess storage locations at the Site, CHOC, Syracuse and GE in San Jose. The Document Control Assessment will evaluate Document Control activities at the Site.
3. Initial schedule logic for system Record Turnover has been incorporated into the Milestone schedule and is currently being updated.

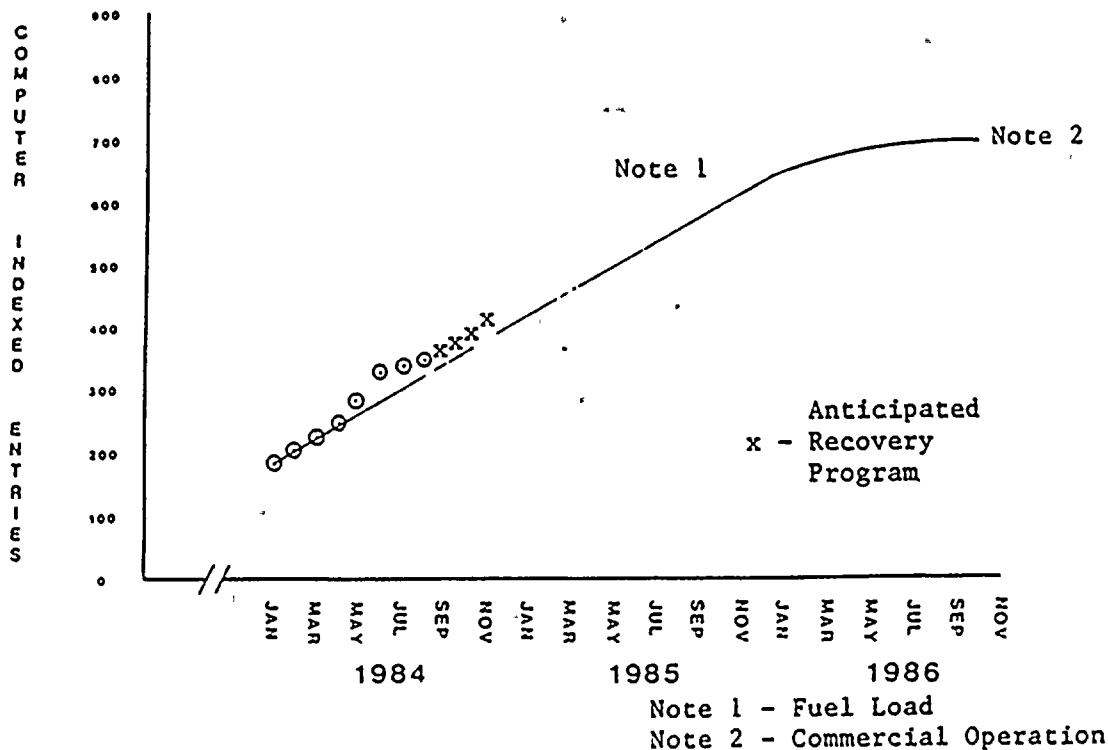
Key Actions in the Near Term are planned as follows:

1. Completion of Records Traceability Matrix for all areas by 8/31/84. Review of currently compiled matrix data by Engineering, Quality Assurance and Licensing shall begin on 8/28/84 and result in a comprehensive Required Records List to be issued by October 1, 1984.
2. Review of Project Procedures for compliance to the Records Management Plan and development of Required Procedure Revisions by 9/28/84.
3. Project Guidelines 83 and 84 on Record Review and Acceptance and Record Transmittal are currently in review and are expected to be approved by 8/24/84.
4. Development of a Records Storage and Document Control Improvement Program to address any identified deficiencies resulting from the respective assessments.

COMPUTER INDEXED ENTRIES
PLANNED VS. ACTUAL
(IN THOUSANDS)

PLANNED
ACTUAL

○



The following tables summarize the production levels of record receipt, preparation, filming and indexing into the Permanent Plant File.

Activity	August	July	Total To Date	Percent Complete
Record Receipt and Preparation (Includes Aperture Cards	90,834 Pages	46,590 Pages	2,169,615 Pages	27%
Records Microfilming And Verification (Includes Aperture Cards)	78,509 Pages	46,040 Pages	1,832,020 Pages	23%
Computer Indexed Entries	10,028 Entries	7,045 Entries	350,334 Entries	54%
Records Indexing And Computer Entry	*10,028 Documents	7,045 Documents	497,377 Documents	21%

Percent complete is based on an estimated 2,400,000 documents comprising 8,000,000 pages and 650,000 computer index entries required for Permanent Plant File entry by fuel load.

Record Indexing effort impacted by 10 open positions and Records Traceability Matrix Input. SWEC Personnel Department expediting filling open positions and Traceability Matrix support to terminate 9/7/84.

XI. LICENSING

A. FSAR Status

A total of 850 questions relative to the FSAR and ER-OLS have been received from the NRC. For this period, 780 responses are complete. Amendment 13 was sent to the NRC August 20, 1984.

B. SER Status

There are 233 SER open items and an additional 80 Power Systems SER items for a total of 313. Based upon meetings with the NRC, we believe that 230 SER items are closed.

C. 50.55(e) Reports

Six 50.55(e) Reports were sent to the NRC.

1. Insulation damage to Rockbestos Cable (55(e) - 84-19), final report.
2. ITE Brown-Boveri Trip Devices (55(e) - 84-20), interim report.
3. Velan Valve Corp. Feedwater Valves (55(e) - 84-22), interim report.
4. MSIV Test Coupons (55(e) - 84-23), interim report.
5. RCIC Turbine Exhaust (55(e) - 84-16), final report.
6. Pacific Air Products Linear Converters (55(e) - 84-07), final report.

Inspection Reports

1. I.E. Inspection 84-06 response was sent to the NRC. Five violations were identified. A status report of items identified by our ongoing verification and review process of CAT item commitments was sent to the NRC. Five items were reported to the NRC as potential deficiencies under 10CFR50.55(e).
 - a. Wiring deficiencies in MCC (55(e) - 84-25)
 - b. MSIV corrosion problems (55(e) - 84-26)
 - c. SAM relay timers (55(e) - 84-27)
 - d. QC documentation for bolted connections (55(e) - 84-28)
 - e. RCI undersized welds (55(e) - 84-29)

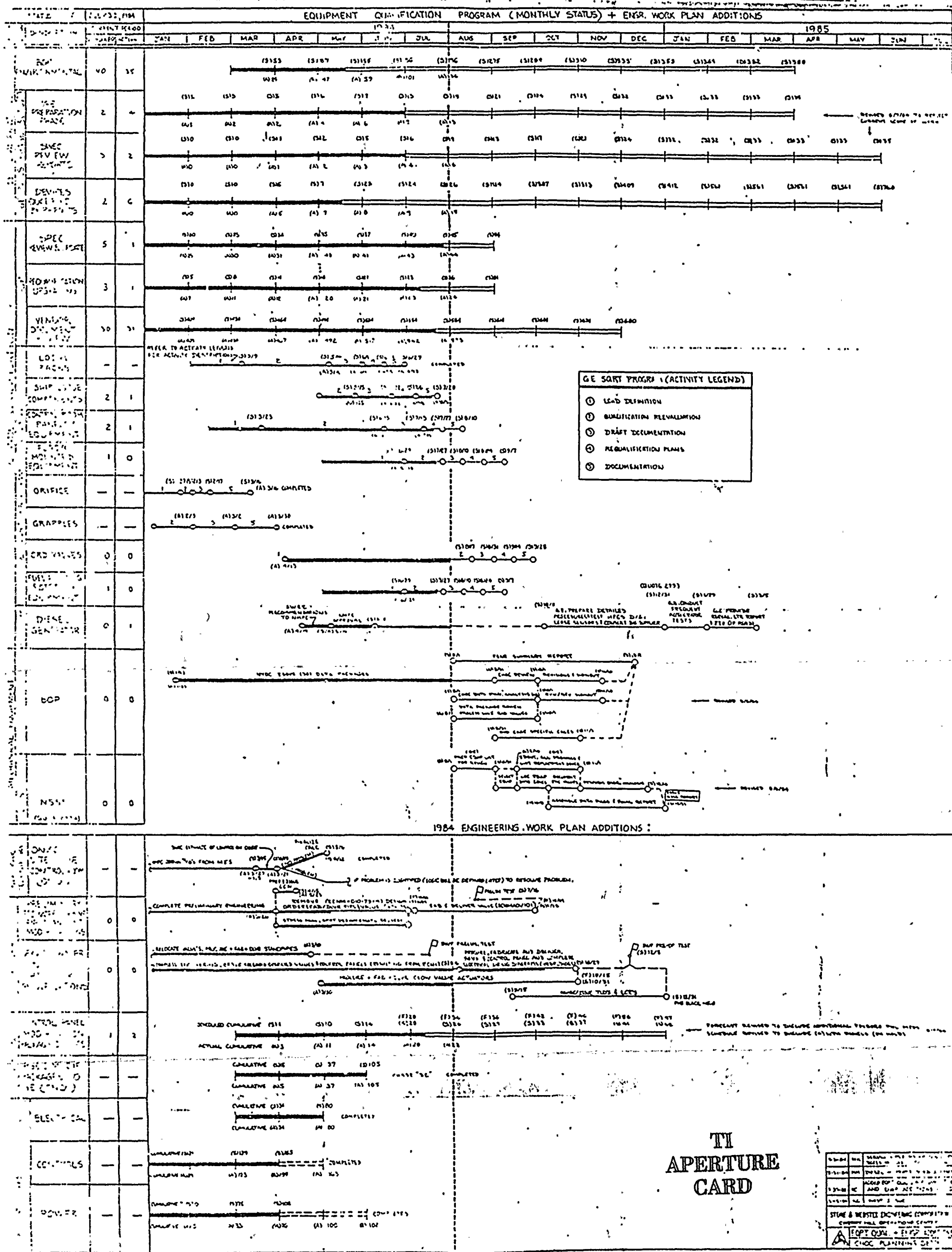
STATUS OF RESPONSES TO BRANCH TECHNICAL QUESTIONS

<u>Technical Question Areas</u>	<u>NUMBER OF RESPONSES</u>			<u>SCHEDULE FOR RESPONSE COMPLETION</u>		
	<u>Questions Received</u>	<u>Completed</u>	<u>Outstanding</u>	1984 <u>Aug.</u>	<u>Dec</u>	1985
AUXILIARY SYSTEM 410	51	47	4	4		
STARTUP & TEST 640	41	38	3	2		1
OTHER 100, 250, 251 252, 281, 311 450, 451, 620 630, 640, 730	61	57	4	3		1
TOTALS	850	796	54	45	3	6



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