



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

AUG 27 1985

Docket No. 50-461

APPLICANT: Illinois Power Company
FACILITY: Clinton Power Company
SUBJECT: SUMMARY OF CASELOAD FORECAST PANEL MEETINGS AND FACILITY TOUR
AT CLINTON POWER STATION

On July 23 and 24, 1985, the Caseload Forecast Panel (CFP) consisting of Walter Butler (Licensing Branch Chief and Team Leader), Richard Hartfield (Resource Management Branch Chief), Byron Siegel (Licensing Project Manager), Patrick Gwynn (Senior Resident Inspector at Clinton Power Station), and Frank Jablonski (Clinton Project Inspector), met with the applicant and toured the Clinton Power Station (CPS) facility and site. The purpose of these meetings and tour was to review construction progress and collect data for assisting the NRC staff in estimating its resource needs for the licensing activities at CPS.

On the first day of the CFP site visit, Mr. Donald Hall, Vice President of Illinois Power Company (IP), made a presentation on construction progress and the current status of the project as well as the projected schedule. This presentation covered the information identified in the proposed meeting agenda sent to applicant in a letter dated May 15, 1985. The meeting attendees are identified in Enclosure 1 and a copy of the handouts associated with Mr. Hall's presentation is contained in Enclosure 2. The critical path analysis indicated that IP is 52 days behind on the limiting critical path item which was the turn-over of the leak detection system. In addition, there was a total of 45 items that were between 5 and 50 days behind schedule. (The extent of negative slack is relative to the applicant's target fuel load date of January 3, 1986.)

Following the applicants presentation, the CFP toured the CPS facility.

On July 24, 1985, a summary meeting was held with the applicant during which additional questions were asked by the CFP and some preliminary observations presented to the applicant. A list of meeting attendee's is contained in Enclosure 3.

Based on information provided at the meetings and the site tour, the CFP's final observations are presented below.

Positive Observations

- ° Commendable that the January, 1986 fuel date estimated in August, 1983, still appears to be achievable

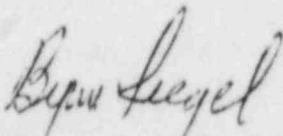
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- ° Substantial improvement in the quality of plant construction has been achieved since resumption of work after the stop work orders were lifted.
- ° Some of the major milestones (i.e. cold hydrostatic test, hot operations test) have been performed on a schedule consistent with the January 3, 1986 fuel load date.
- ° In the areas that have been turned over, the plant appears to be very clean considering the status of construction and the work force on site (approx. 8000).
- ° The preoperational tests that have been recently performed (i.e. hot operations test, component cooling water system test) have proceeded with minimum problems indicating the schedule for the turnover of systems from startup to operations personnel, although ambitious, may be achievable.

Observations Requiring Applicant's Attention

- ° Agree with the applicant that the electrical installation, in particular the raceway installation, is the critical path item; however, cable pulling and terminations also require attention.
- ° Although the critical path item has been identified, there are a total of 45 items that are behind schedule, 17 of which are more than 30 days behind schedule.
- ° Attention should be given to providing rapid turnover of information to the NRC staff, including FSAR amendments, technical specification changes, and inspection packages such as preoperational test results and procedures.
- ° When possible, the staff should be informed in advance, of new information on changes the applicant is preparing for submittal so the NRC staff can schedule its resources for reviews and inspections.

The applicant has an unusually large work force on site this close to the scheduled fuel load date. This has advantages with regard to completion of construction and disadvantages with regard to system turnovers and plant preparation for fuel load. Since the staff has never previously experienced this level of activity five months prior to an applicant's scheduled fuel load date, it is difficult to judge its impact. This, and the apparent success achieved in preoperational testing, though limited in scope, indicates the applicant's fuel load date, although very optimistic, may be achievable.



Byron Siegel, Project Manager
Licensing Branch No. 2
Division of Licensing

Enclosures: As stated

cc: See next page

AUG 27 1985

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Goddard,OELD WButler BSiegel NRC Participants

cc: F.Jablonski, Region III

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BSiegel:mk
8/27/85

RM/BC
RHartfield
8/26/85
*verbal concurrence
via telephone*

Reg.III/DRP/PI
FJablonski
8/26/85
*verbal concurrence
via telephone*

Reg.III/DRP/RI
PGwynn
8/26/85
*verbal concurrence
via telephone*

LB#2/DL/BC
WButler
8/26/85

WB

Mr. Frank A. Spangenberg
Illinois Power Company

Clinton Power Station
Unit 1

cc:

Mr. Allen Samuelson, Esquire
Assistant Attorney General
Environmental Control Division
Southern Region
500 South Second Street
Springfield, Illinois 62706

Jean Foy, Esquire
511 W. Nevada
Urbana, Illinois 61801

Mr. D. P. Hall
Vice President
Clinton Power Station
P. O. Box 678
Clinton, Illinois, 61727

Richard B. Hubbard
Vice President
Technical Associates
1723 Hamilton Ave. - Suite K
San Jose, CA 95125

Mr. H. R. Victor
Manager-Nuclear Station Engineering Dpt.
Clinton Power Station
P. O. Box 678
Clinton, Illinois 61727

Sheldon Zabel, Esquire
Schiff, Hardin & Waite
7200 Sears Tower
233 Wacker Drive
Chicago, Illinois 60606

Resident Inspector
U. S. Nuclear Regulatory Commission
RR 3, Box 229 A
Clinton, Illinois 61727

Mr. R. C. Heider
Project Manager
Sargent & Lundy Engineers
55 East Monroe Street
Chicago, Illinois 60603

Mr. L. Larson
Project Manager
General Electric Company
175 Curtner Avenue, N/C 395
San Jose, California 95125

Regional Administrator, Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

CASELOAD FORECAST PANEL MEETING WITH ILLINOIS POWER COMPANY

JULY 23, 1985

Byron Siegel	NRC Licensing Project Manager
Dick Hartfield	NRC Resource Management
J. S. Perry	IP Nuclear Program Coordination
D. P. Hall	IP Vice President
H. E. Daniels	IP Project Manager
R. E. Wyatt	IP Program Assessment
F. W. Spangenberg	IP Director Nuclear Licensing
E. W. Kant	IP Assistant Manager NSED
Jon Greene	IP Manager of Startup
Jim Wilson	IP Plant Manager
R. E. Campbell	IP Director Quality Systems & Audits
S. B. Fisher	IP Manager Nuclear Planning & Support
F. J. Jablonski	NRC Region III Project Inspector
T. P. Gwynn	NRC Region III Projects Chief Section 1B
W. R. Butler	NRC Branch Chief Division of Licensing
C. D. Schaefer	IP Director Nuclear Planning & Support
R. L. Gruenewald	IP Support Planning & Scheduling
K. L. Patterson	IP Director Nuclear Purchasing & Materials Management
R. O. Freeman	IP Emergency Response Project Manager
Franklin R. Timmons	IP Security
J. G. Cook	IP Plant Staff Assistant Plant Manager
S. Gary Summerour	BA Planning & Scheduling Manager
E. Smith	BA Manager of Cost
Kerry L. Riley	IP NSED Licensing
Bradford E. Butt	IP Assistant Project Manager
D. K. Schopfer	S&L Site Manager
J. A. Miller	IP Director Startup Programs

Enclosure 2

**ILLINOIS POWER COMPANY
NUCLEAR PROGRAM**



JULY 23, 1985 PRESENTATION

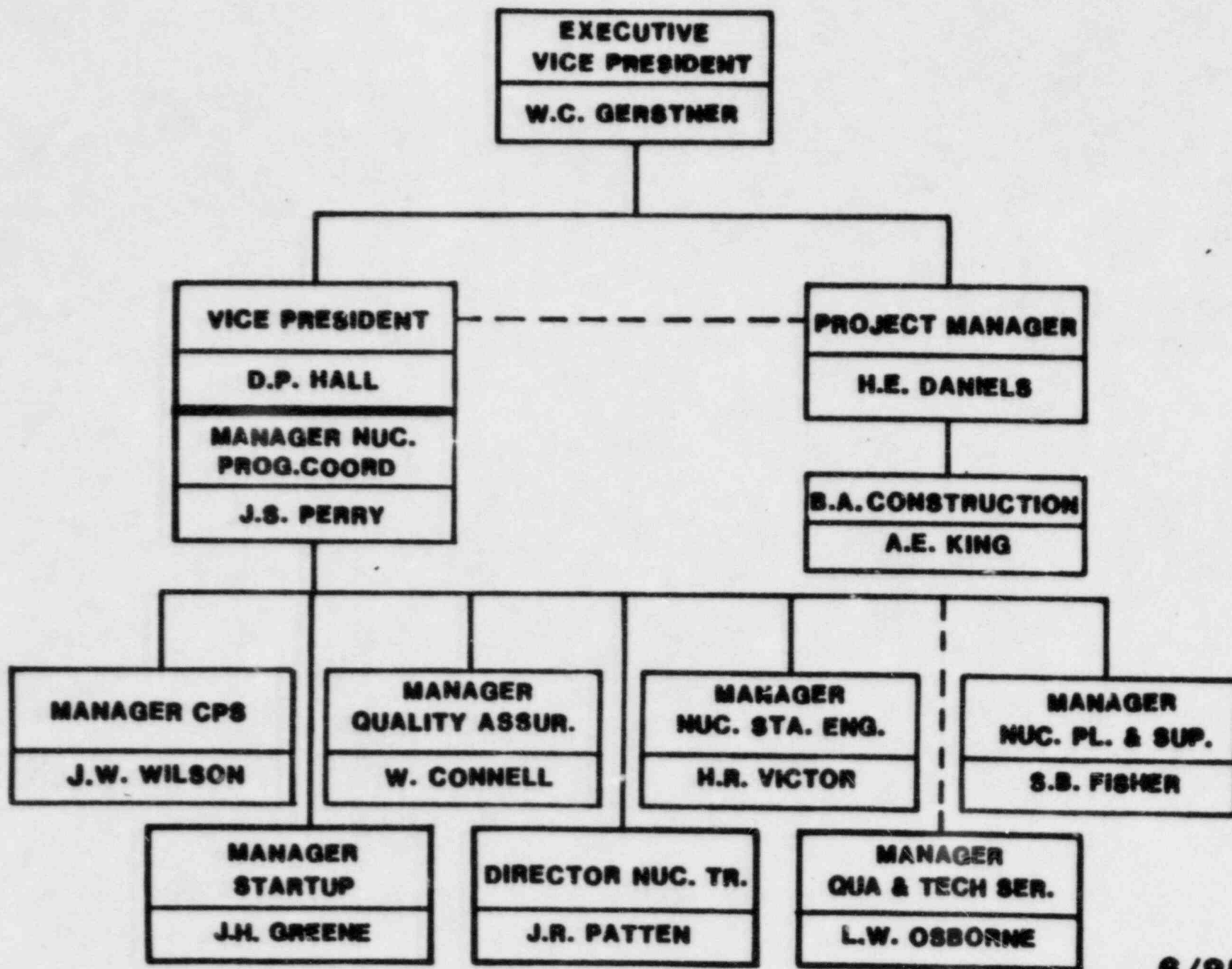
D.P. HALL

INTRODUCTION

JUL 1983 Issue integrated milestone schedule

AUG 1983 Caseload forecast panel

- Concluded that estimated fuel load date of January 1986 appears to be ambitious but achievable**



1985 EXECUTIVE PLAN

GOALS

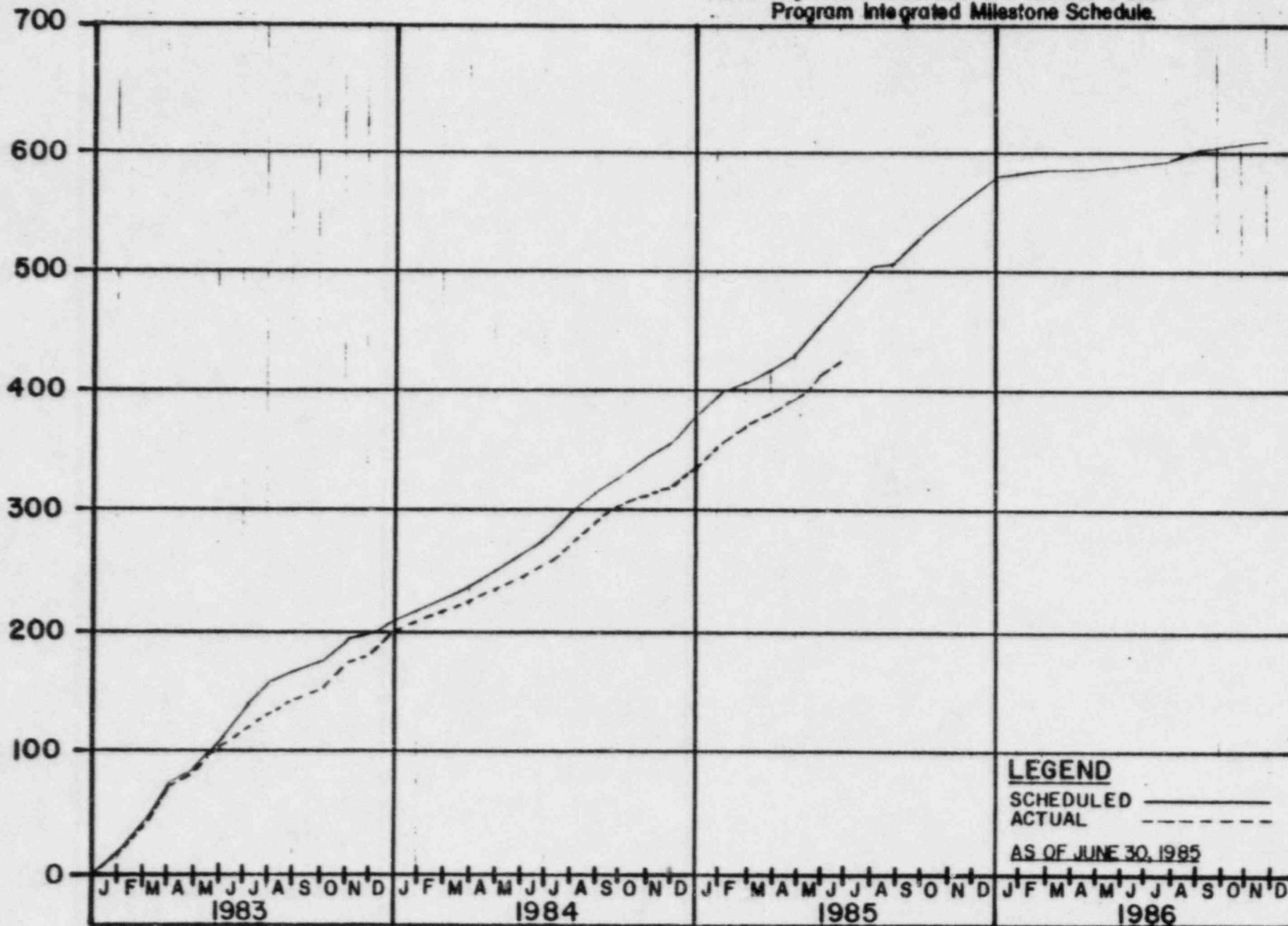
- COMPLETE THE CLINTON POWER STATION AT THE EARLIEST POSSIBLE TIME
- COMPLETE THE NUCLEAR REGULATORY LICENSING PROCESS IN THE APPROPRIATE SEQUENCE WITH CONSTRUCTION COMPLETION
- ENTER CLINTON POWER STATION INTO COMMERCIAL OPERATION AT THE EARLIEST POSSIBLE TIME

OBJECTIVES

- CONTINUE EFFORTS TO ENSURE THAT CLINTON POWER STATION IS COMPLETED WITH THE HIGHEST POSSIBLE ASSURANCE LEVEL OF QUALITY CONSTRUCTION
- DEMONSTRATE IN DAILY ACTIVITIES THAT TOP LEVEL MANAGEMENT AND ALL LEVELS OF SUPERVISION SUPPORT FULLY A STRONG, EFFECTIVE QUALITY ASSURANCE PROGRAM WHICH WILL ENSURE QUALITY CONSTRUCTION, TESTING AND OPERATION
- ENCOURAGE HIRING AND RETENTION OF HIGH-QUALITY PERSONNEL IN ADEQUATE NUMBERS TO SUPPORT EXCELLENCE IN PLANT OPERATION AND MAINTENANCE

NUMBER OF KEY EVENTS

NOTE: Key events taken from IPC Nuclear Power Program Integrated Milestone Schedule.

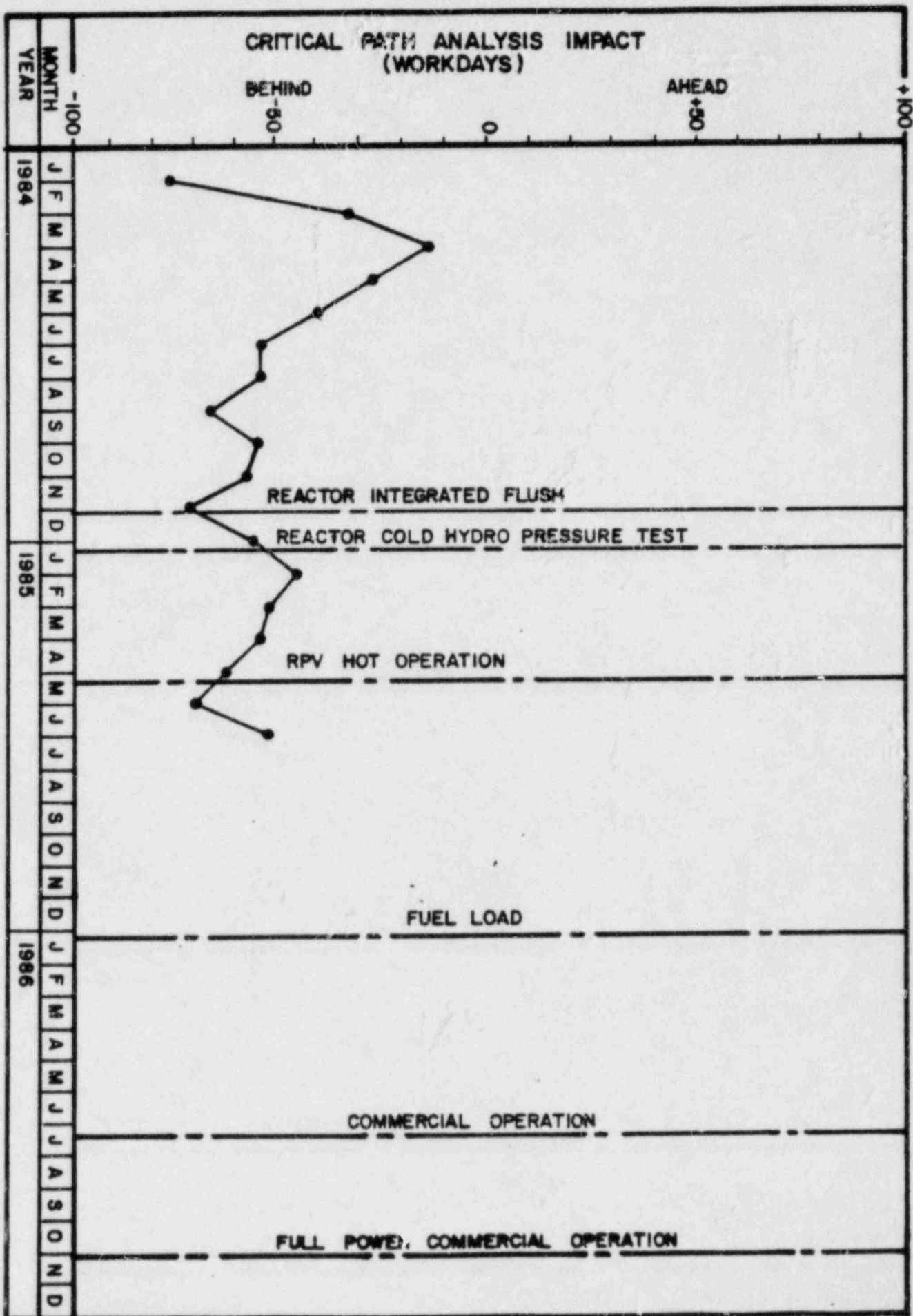


MAJOR MILESTONES

	<u>SCHEDULED</u>	<u>COMPLETED</u>	<u>ESTIMATED COMPLETION</u>
• TURNOVER ENGINEERED SAFETY SYSTEMS	JUL 1984	JUL 1984	
• TURNOVER RADWASTE AND ASSOCIATED SYSTEMS	AUG 1984	AUG 1984	
• TURNOVER FUEL POOL COOLING AND CLEANUP SYSTEMS	OCT 1984	JAN 1985	
• TURNOVER REACTOR RECIRCULATION AND REACTOR WATER CLEANUP SYSTEMS	OCT 1984	APR 1985	
• TURNOVER REACTOR PLANT COMPONENT COOLING WATER SYSTEM	NOV 1984	NOV 1984	
• START REACTOR INTEGRATED FLUSH	DEC 1984	DEC 1984	
• START REACTOR COLD HYDRO PRESSURE TEST	JAN 1985	JAN 1985	
• TURNOVER CONTROL ROD DRIVE SYSTEM	APR 1985	JUN 1985	
• START REACTOR PLANT HOT OPERATIONS	MAY 1985	JUL 1985	
• START FUEL RECEIPT	AUG 1985		AUG 1985
• START INTEGRATED LEAK RATE TEST	OCT 1985		OCT 1985
• EMERGENCY PREPAREDNESS EXERCISE	DEC 1985		DEC 1985
• START FUEL LOAD	JAN 1986		JAN 1986
• START COMMERCIAL OPERATION	JUL 1986		JUL 1986

CRITICAL PATH ANALYSIS

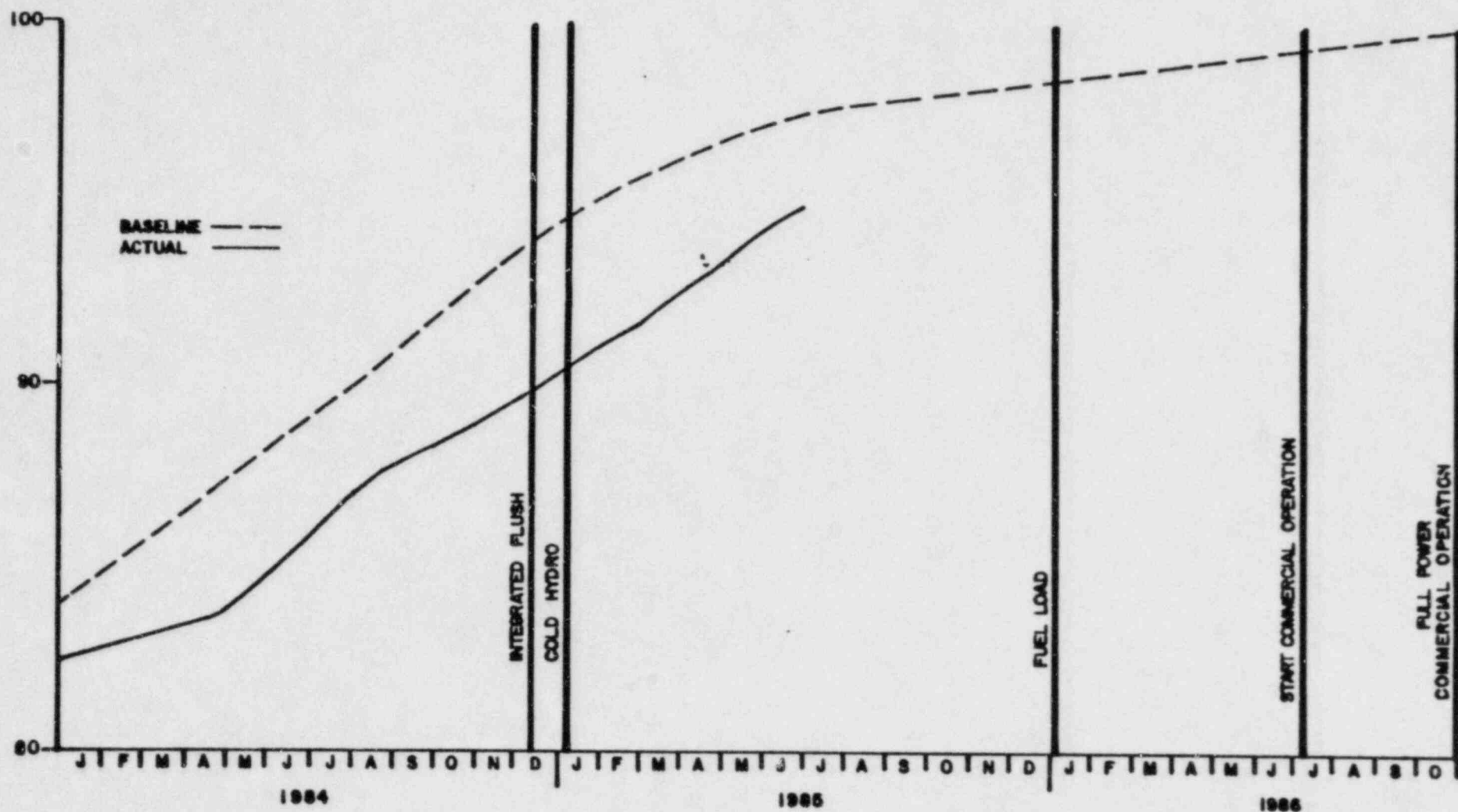
- **Through June, 1985 critical path analysis indicates 52 days behind**
- **Limiting critical paths**
 - **Turnover leak detection system (- 52 days)
(Raceway and cable pulling)**
 - **Turnover drywell purge system (- 50 days)
(HVAC installation, raceway)**



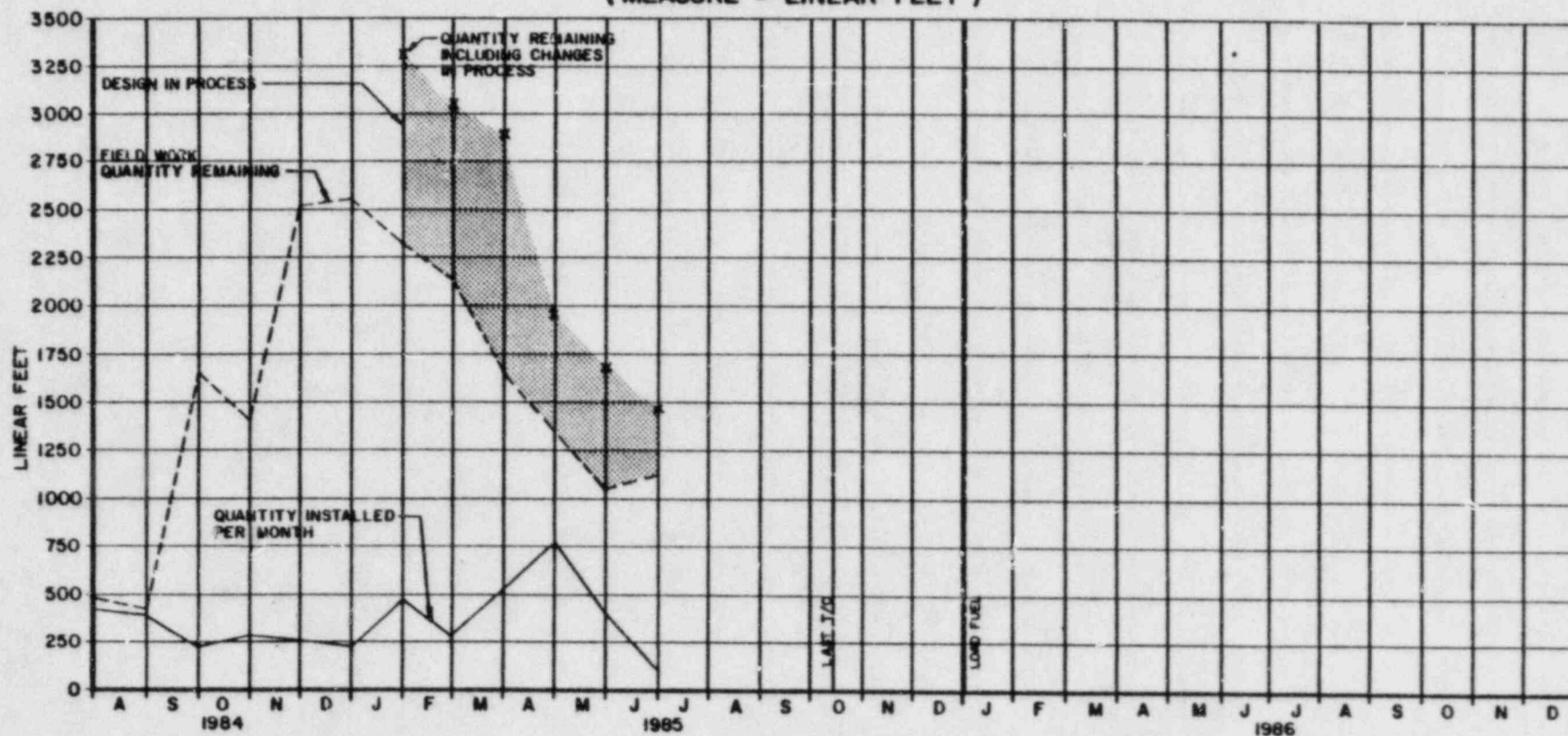
CONSTRUCTION STATUS

- **95% construction complete**
- **85% of system turnovers complete**
- **Problem areas**
 - **Electrical commodity installation**
 - **System turnovers to support testing**
 - **Work-off of NCR'S and CWR's**
 - **Completion of commodities for area release**

CONSTRUCTION PERCENT COMPLETE PROFILE



CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
LARGE BORE PIPE
(MEASURE = LINEAR FEET)

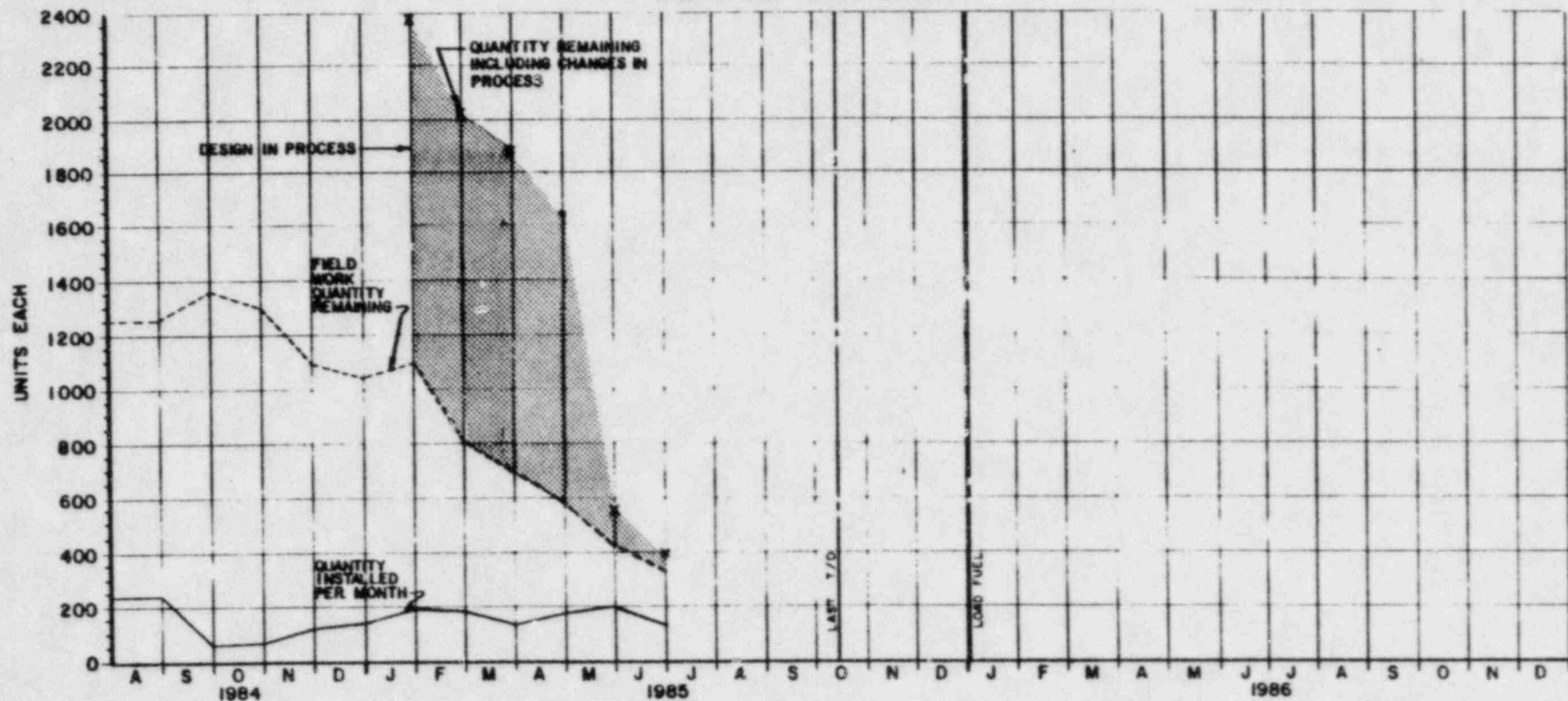


LINEAR FEET	1984					1985									
	A	S	O	N	D	J	F	M	A	M	J	J	A		
FIELD WORK QTY REMAINING	495	1654	1406	2918	2529	2321	2195	1690	1560	1060	1110				
INSTALLATIONS PER MONTH	991	218	277	252	225	476	282	591	776	426	99				
QUANTITY CHANGES	0	1437	29	1364	266	298	96	41	486	126	149				

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
LARGE BORE PIPE HANGERS
(MEASURE = UNITS EACH)

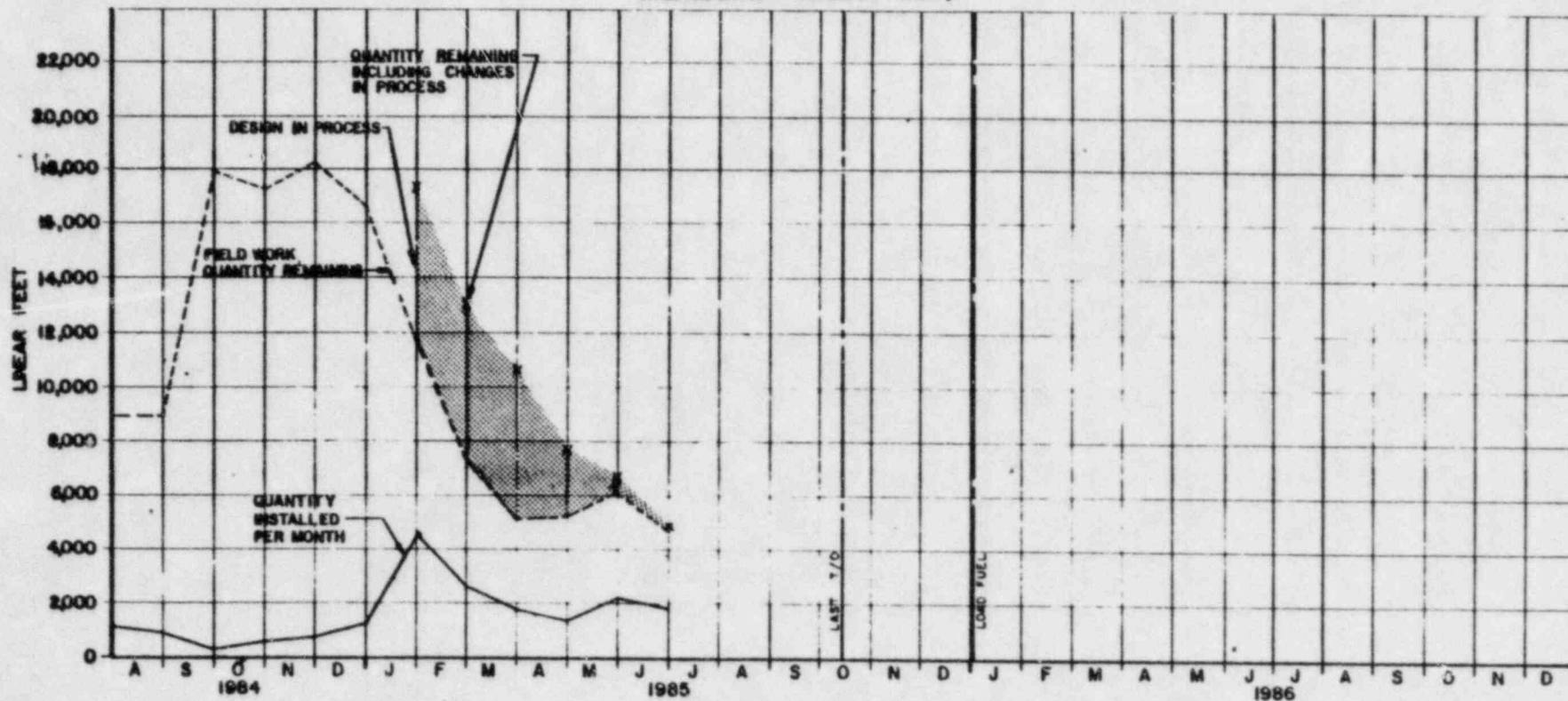


UNITS EACH	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY. REMAINING	1252	1551	1299	1070	1040	1070	789	691	972	407	328	
INSTALLATIONS PER MONTH	232	53	68	111	132	196	182	162	170	200	136	
QUANTITY CHANGES	0	142	0	-84	82	247	-120	64	81	85	57	

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
SMALL BORE PIPE
(MEASURE = LINEAR FEET)

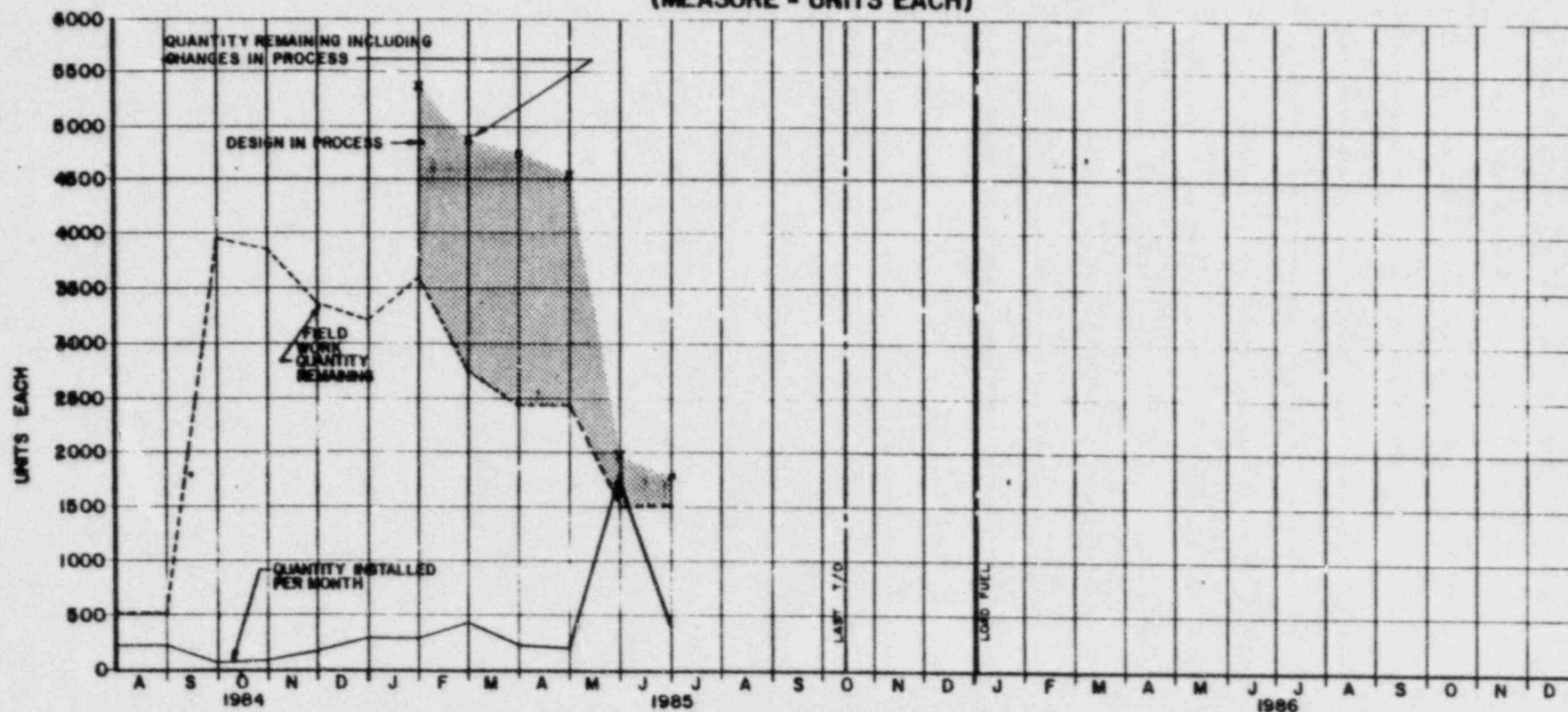


LINEAR FEET	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	8,719	17,960	17,866	18,288	16,735	11,881	7266	6080	9163	6091	4660	
INSTALLATIONS PER MONTH	918	236	981	882	1,975	4,107	2,644	1803	1370	2022	1862	
QUANTITY CHANGES	0	9467	-2	1808	-210	-665	-2071	-375	1446	2950	421	

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
SMALL BORE PIPE HANGERS
(MEASURE = UNITS EACH)

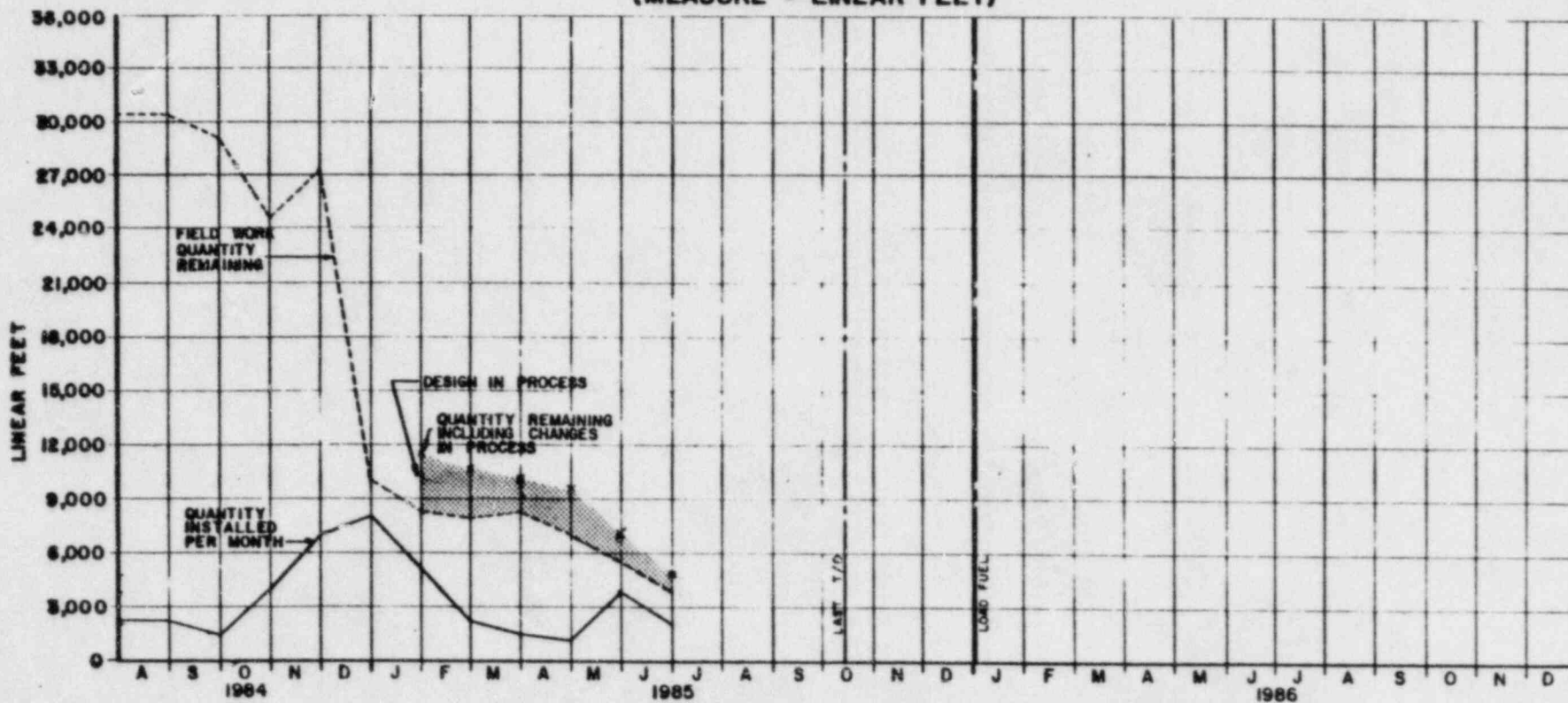


UNITS EACH	MONTHLY STATUS											
	1984	1984	1984	1984	1984	1984	1984	1984	1985	1985	1985	1985
FIELD WORK QTY REMAINING	819	3726	3846	3377	3304	3697	2753	2464	2466	1811	1581	
INSTALLATIONS PER MONTH	233	71	82	178	312	302	425	246	287	1780	422	
QUANTITY CHANGES	0	3480	0	-879	119	699	-179	43	809	82.5	442	

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
INSTRUMENT TUBING
(MEASURE = LINEAR FEET)

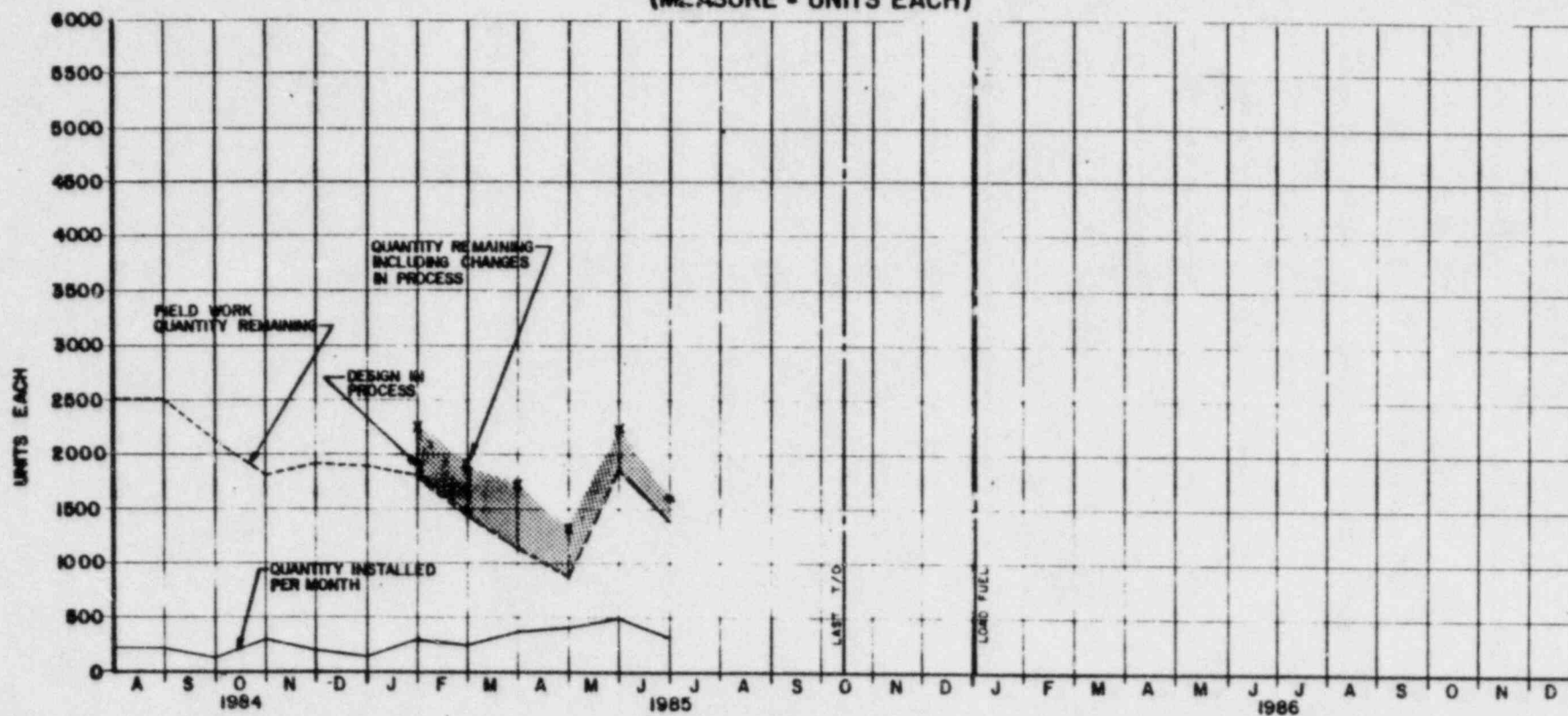


MONTHLY STATUS													
LINEAR FEET	1984					1985							
	A	S	O	N	D	J	F	M	A	M	J	J	A
FIELD WORK QTY. REMAINING	34,857	28,924	24,892	27,024	12,016	2,465	7831	8421	726	5459	2792		
INSTALLATIONS PER MONTH	2287	4462	4,973	7,004	2,191	5,096	2,974	1032	2520	2480	2011		
QUANTITY CHANGES	0	-171	1	2,176	2,273	2545	1617	1622	1293	2213	147		

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
INSTRUMENT TUBING HANGERS
(MEASURE = UNITS EACH)

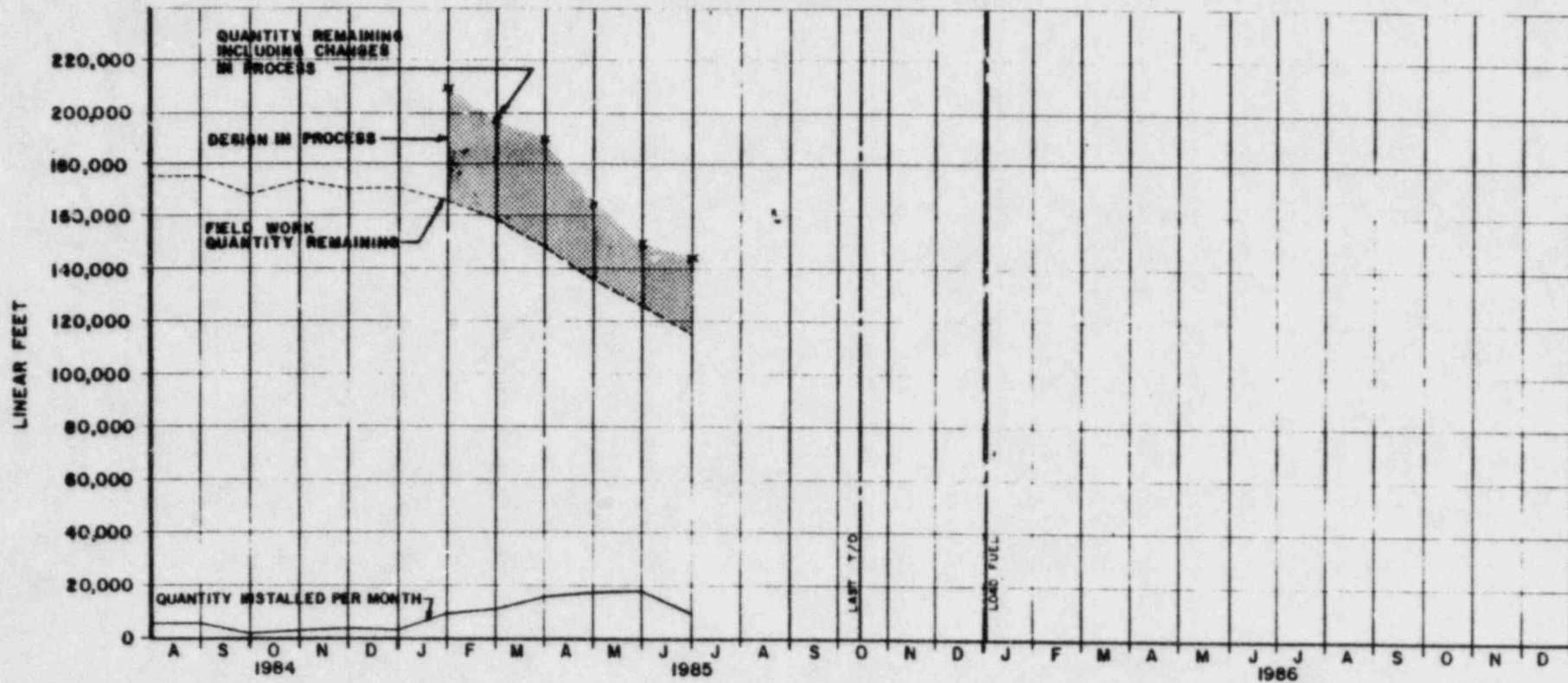


MONTHLY STATUS												
UNITS EACH	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	2514	2121	1828	1925	1909	1831	1460	1150	882	1866	1385	
INSTALLATIONS PER MONTH	229	135	293	197	137	310	263	579	424	439	299	
QUANTITY CHANGES	0	-288	0	292	181	292	-109	69	156	1483	-184	

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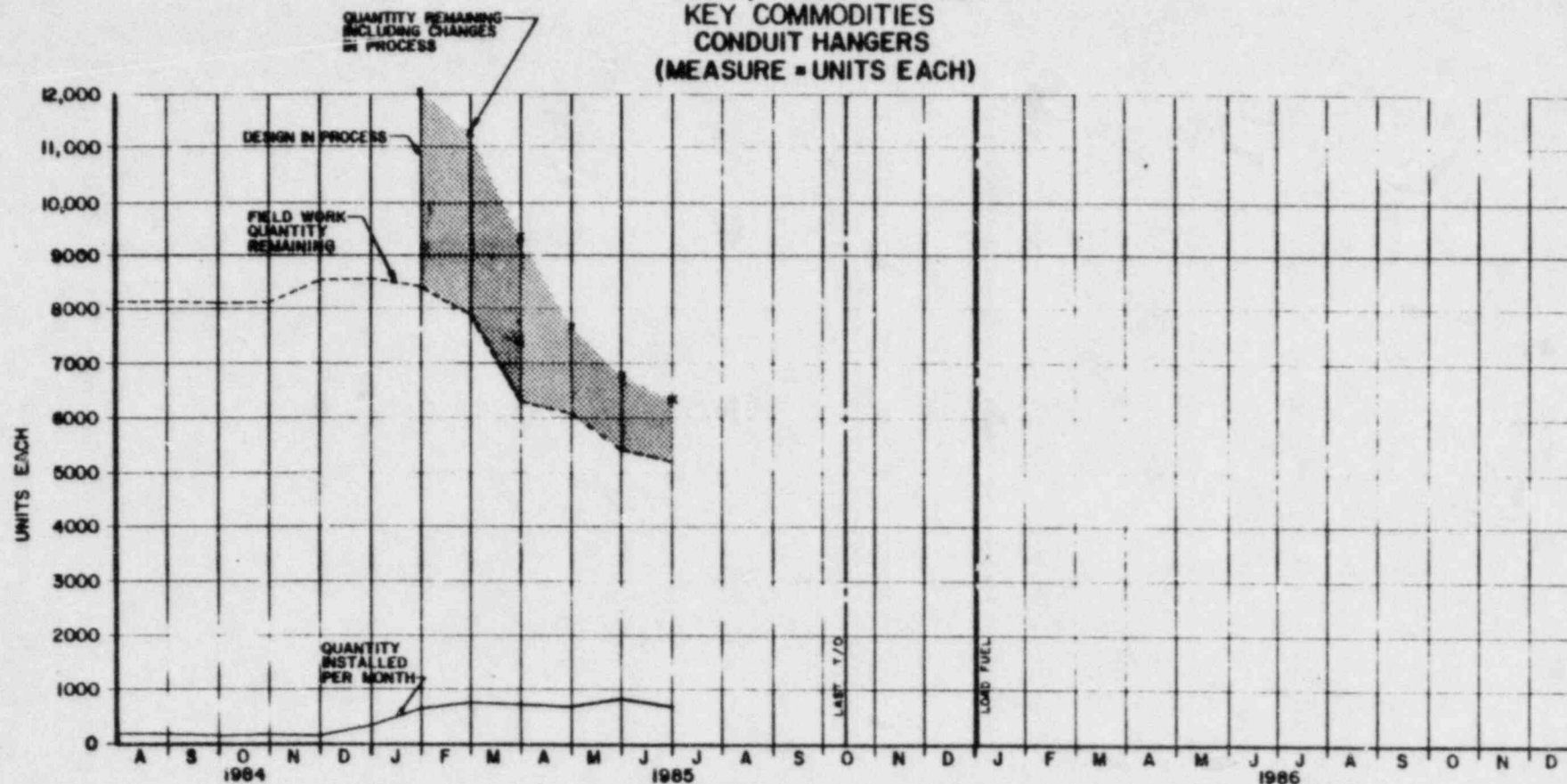
CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
CONDUIT
(MEASURE = LINEAR FEET)



LINEAR FEET	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY. REMAINING	175,000	166,476	175,476	171,710	171,790	167,220	169,772	166,851	166,645	123,717	114,972	
INSTALLATIONS PER MONTH	4,345	2,171	3,895	4,297	5,585	3,927	10,787	15,616	17,170	17,306	9,780	
QUANTITY CHANGES	0	-8491	8710	1567	3458	5857	6177	1875	7802	6560	-965	

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CLINTON POWER STATION
JUNE, 1985 STATUS
KEY COMMODITIES
CONDUIT HANGERS
(MEASURE = UNITS EACH)

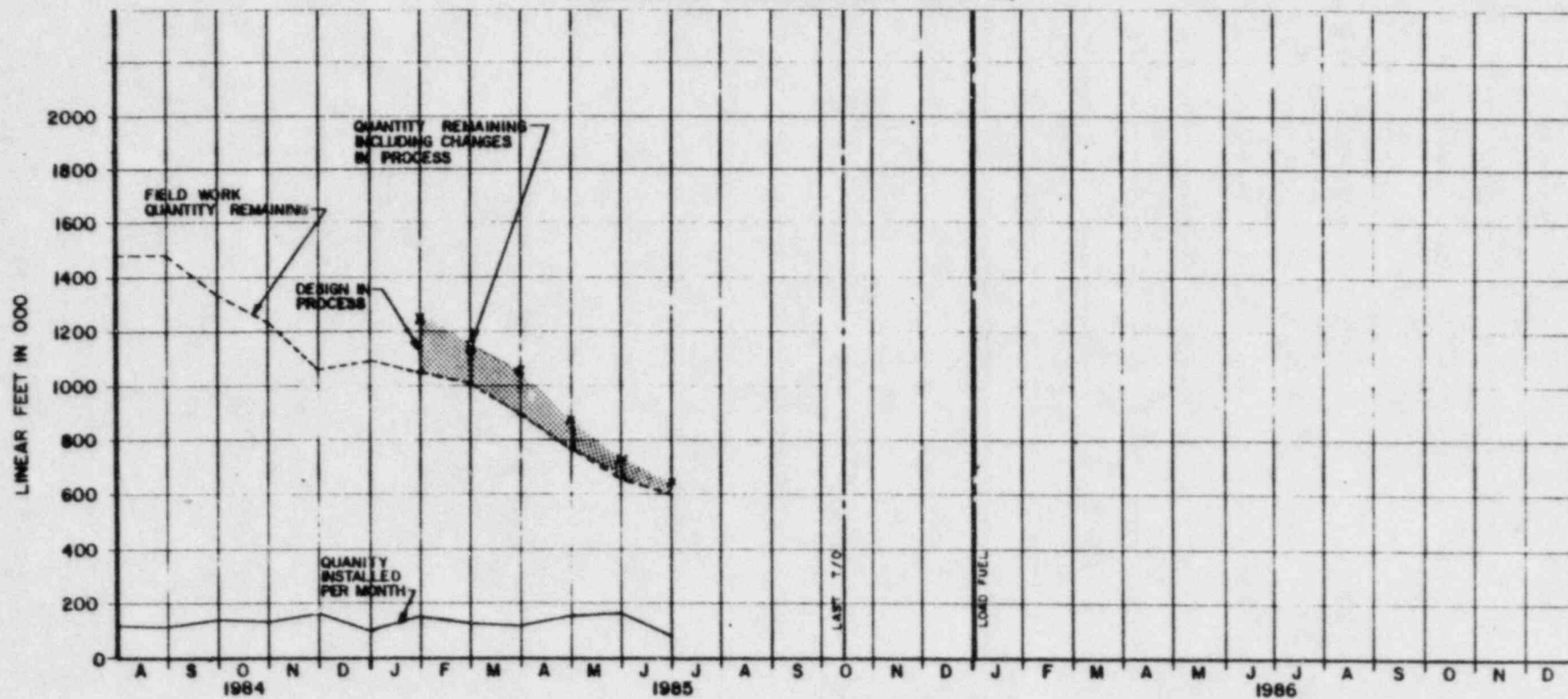


MONTHLY STATUS													
UNITS EACH	1984					1985							
	A	S	O	N	D	J	F	M	A	M	J	J	A
FIELD WORK QTY REMAINING	8188	8024	8086	8577	8588	8480	7879	6555	6090	5451	9106		
INSTALLATIONS PER MONTH	238	172	218	195	363	716	787	796	710	794	680		
QUANTITY CHANGES	0	8	278	486	567	985	216	-788	473	155	343		

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CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
CABLE PULL
(MEASURE = LINEAR FEET IN 000)

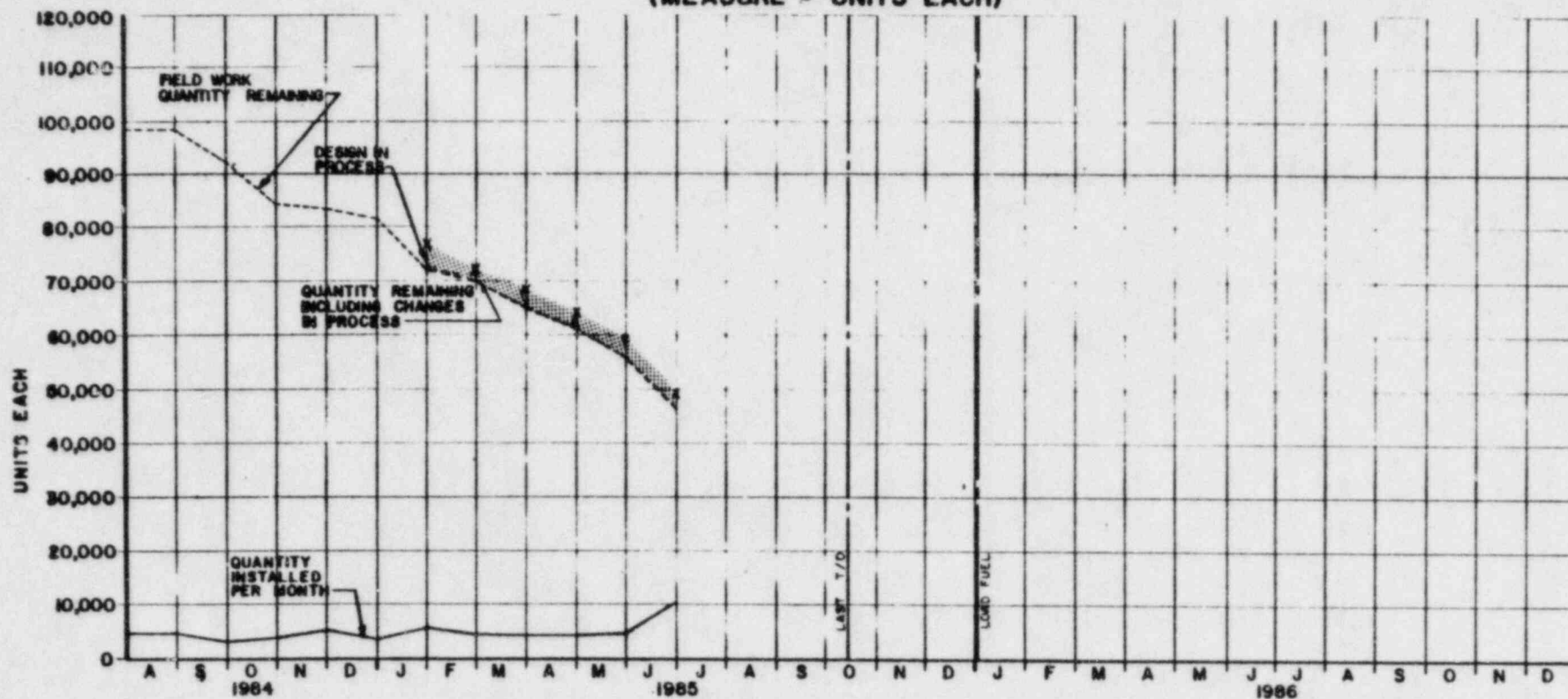


MONTHLY STATUS													
IN 000LF	1984					1985							
	A	S	O	N	D	J	F	M	A	M	J	J	A
FIELD WORK QTY REMAINING	1,406	1,344	1,348	1,270	1,097	1,095	1,008	845	775	655	518		
INSTALLATIONS PER MONTH	111	141	125	160	90	192	126	126	192	161	84		
QUANTITY CHANGES		-1	29	-12	125	110	75	18	90	43	27		

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CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
TERMINATIONS
(MEASURE = UNITS EACH)

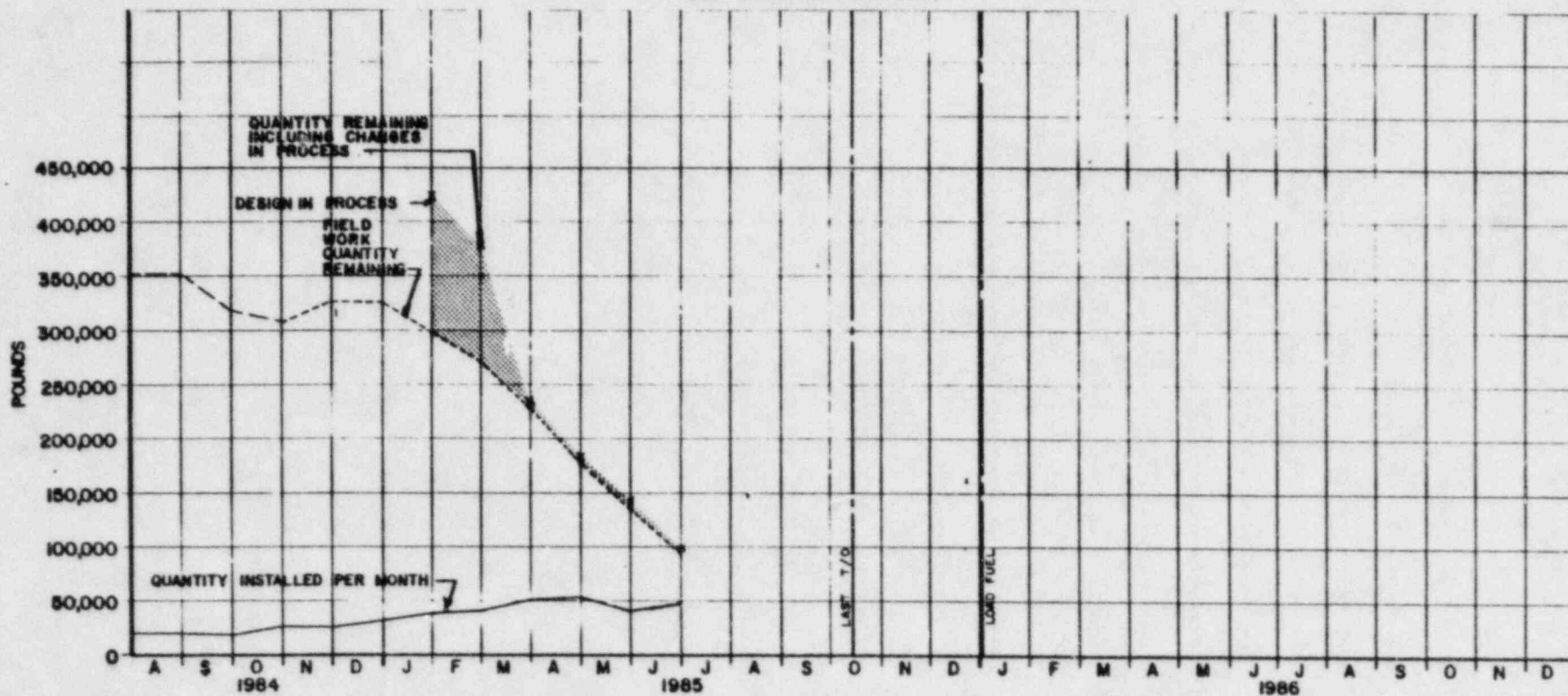


UNITS EACH	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	100,000	92,775	84,975	77,900	61,670	71,911	70,001	65,007	61,160	58,990	46,153	
INSTALLATIONS PER MONTH	6,800	7,000	7,000	8,000	2,900	5,500	4064	4,565	6,637	4,916	19,182	
QUANTITY CHANGES	0	-8225	-8775	4234	1847	-2488	1253	-189	411	248	291	

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CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
HVAC DUCT
(MEASURE = POUNDS)

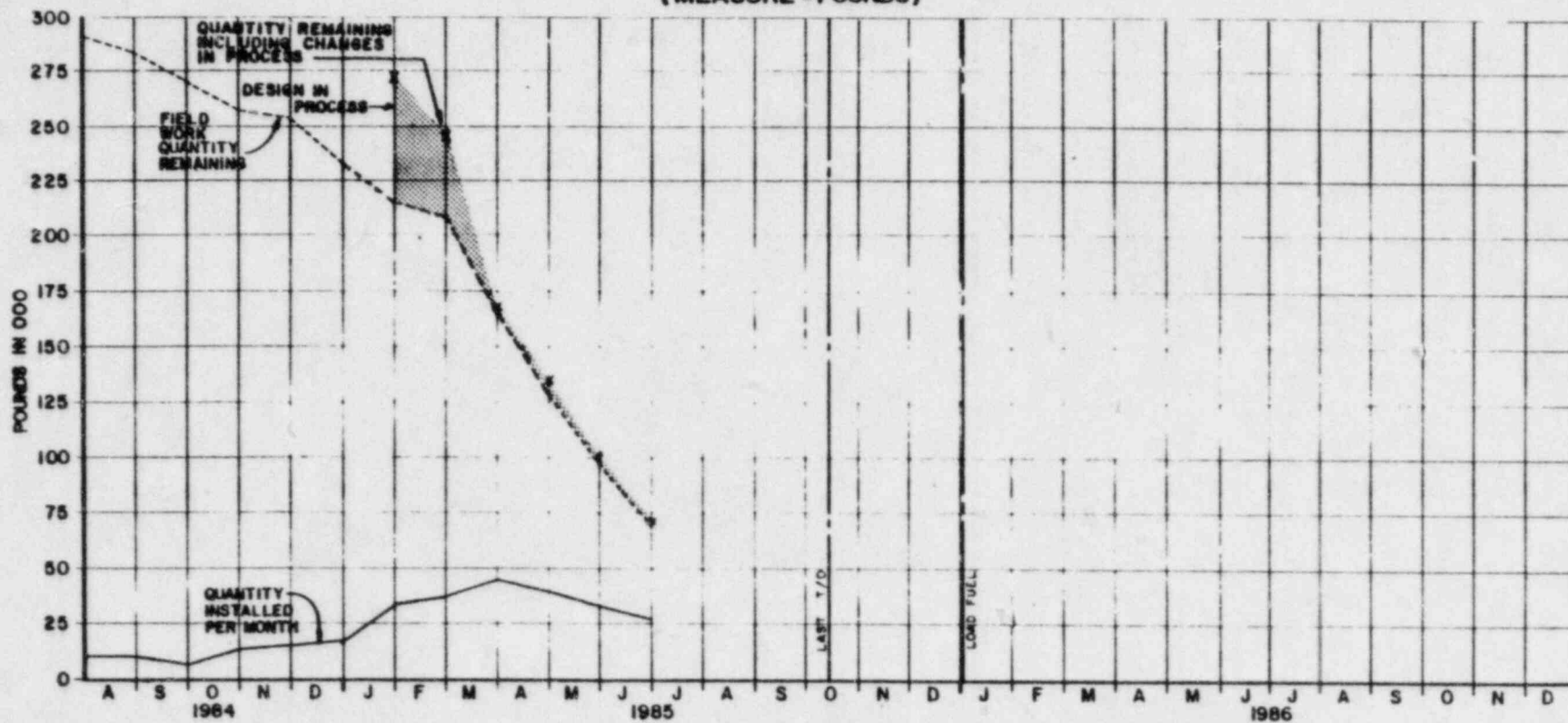


POUNDS	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	362,116	303,499	300,140	262,076	236,499	211,103	262,100	222,140	176,121	146,090	92,807	
INSTALLATIONS PER MONTH	11,464	10,870	15,444	24,404	21,791	24,070	61,800	60,100	92,107	46,261	46,796	
QUANTITY CHANGES	0	1	168	63,212	30,300	12,499	13,329	6,610	4,540	677	87%	

H. D. Smith 7/10/85
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CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
HVAC HANGERS
(MEASURE = POUNDS)

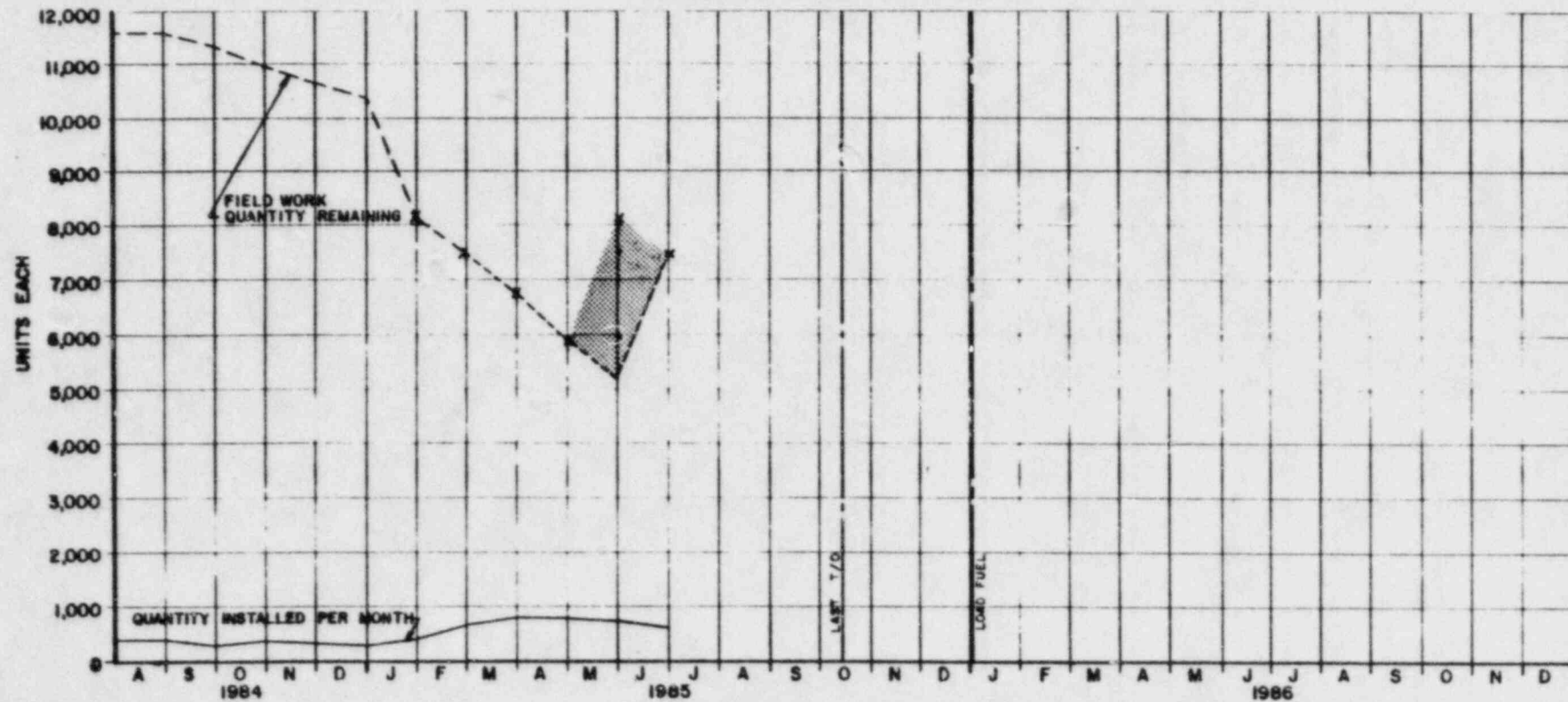


MONTHLY STATUS													
POUNDS IN 000	1984					1985							
	A	S	O	N	D	J	F	M	A	M	J	J	A
FIELD WORK QTY REMAINING	278,963	271,280	267,079	254,040	259,349	212,940	278,260	161,672	128,407	96,324	67,864		
INSTALLATIONS PER MONTH	10,899	7,276	14,309	19,502	9,730	34,583	34,179	48,007	40,090	33,800	27,903		
QUANTITY CHANGES	0	0	0	12,471	22,511	2,192	21,518	-1585	7511	1417	4543		

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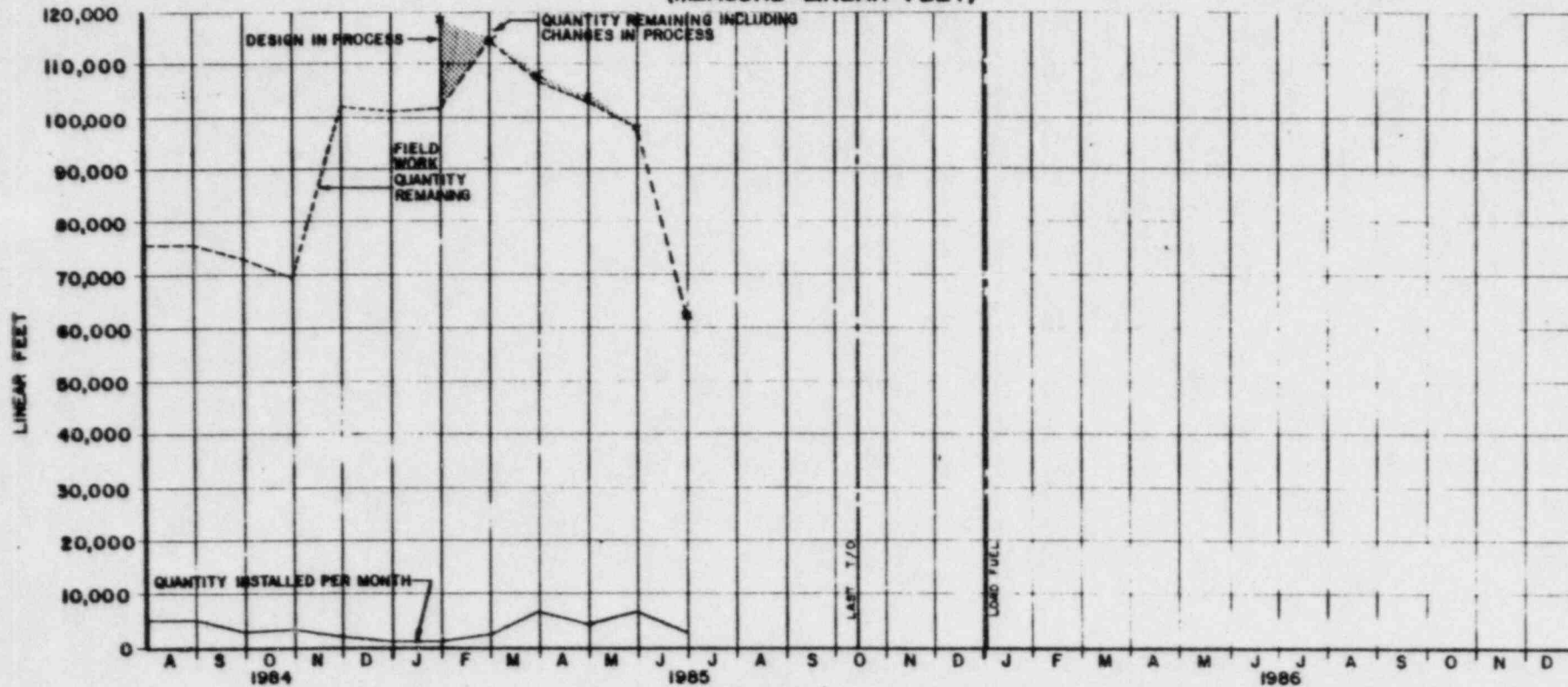
CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
PENETRATIONS
(MEASURE = UNITS EACH)



UNITS EACH	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	11,500	11,200	10,800	10,400	10,000	9,600	9,200	8,800	8,400	8,000	7,600	7,200
INSTALLATIONS PER MONTH	500	500	500	500	500	500	500	500	500	500	500	500
QUANTITY CHANGES	0	1	-20	-1	2	-1000	-3	2	0	2	2000	

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CLINTON POWER STATION
JUNE 1985 STATUS
KEY COMMODITIES
INSULATION
(MEASURE=LINEAR FEET)

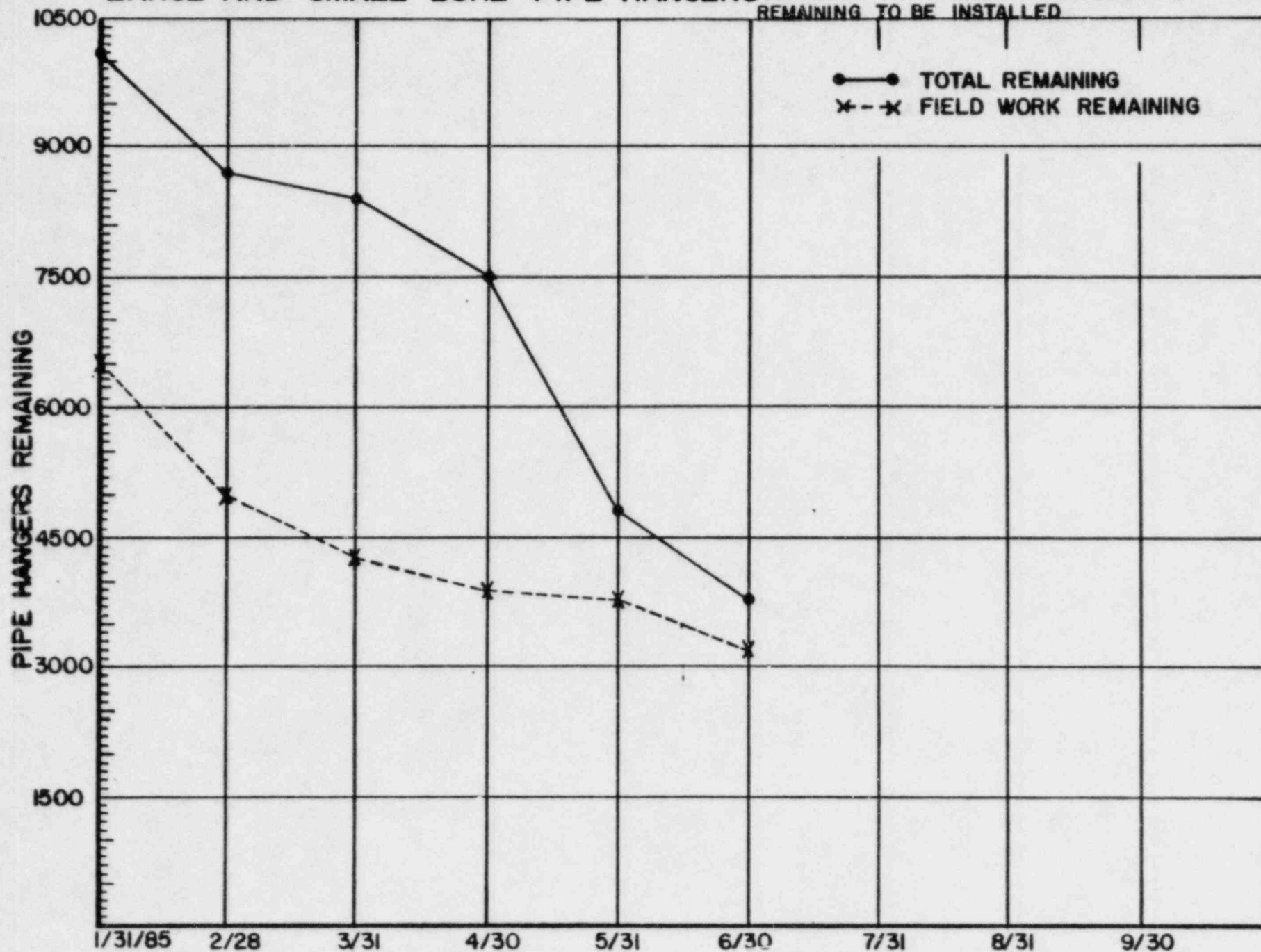


LINEAR FEET	MONTHLY STATUS											
	1984						1985					
	A	S	O	N	D	J	F	M	A	M	J	J
FIELD WORK QTY REMAINING	74,296	73,279	69,670	68,827	64,296	61,809	54,004	40,807	33,811	27,991	22,046	
INSTALLATIONS PER MONTH	5042	5015	8405	2106	1094	1391	2881	4499	4966	6620	8045	
QUANTITY CHANGES	0	0	0	34,767	23	1349	15676	23	0	300	32600	

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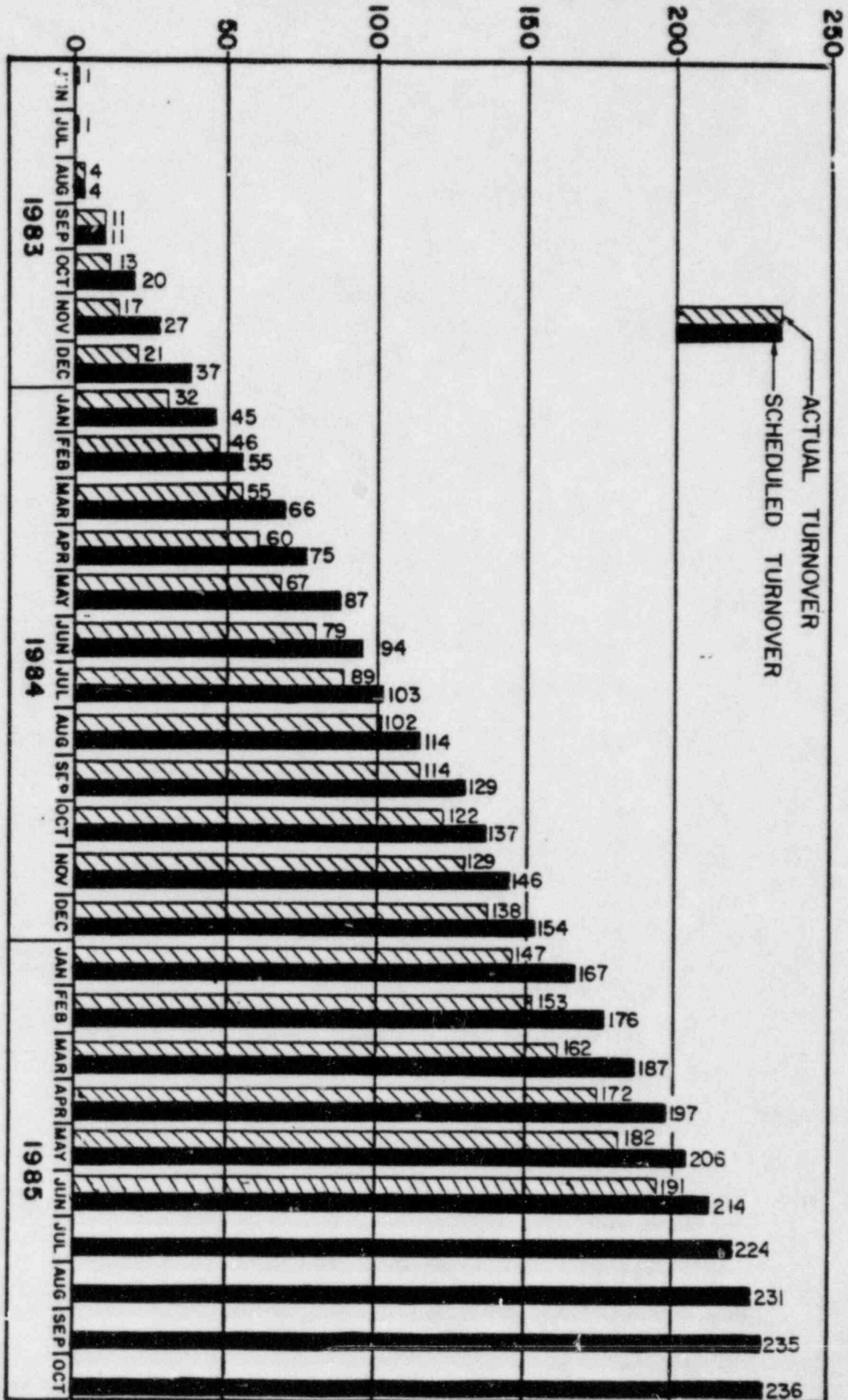
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LARGE AND SMALL BORE PIPE HANGERS (INCLUDING INSTRUMENT PIPE HANGERS) REMAINING TO BE INSTALLED



NUMBER OF SYSTEMS

SYSTEM TURNOVER SCHEDULE (CUMULATIVE)



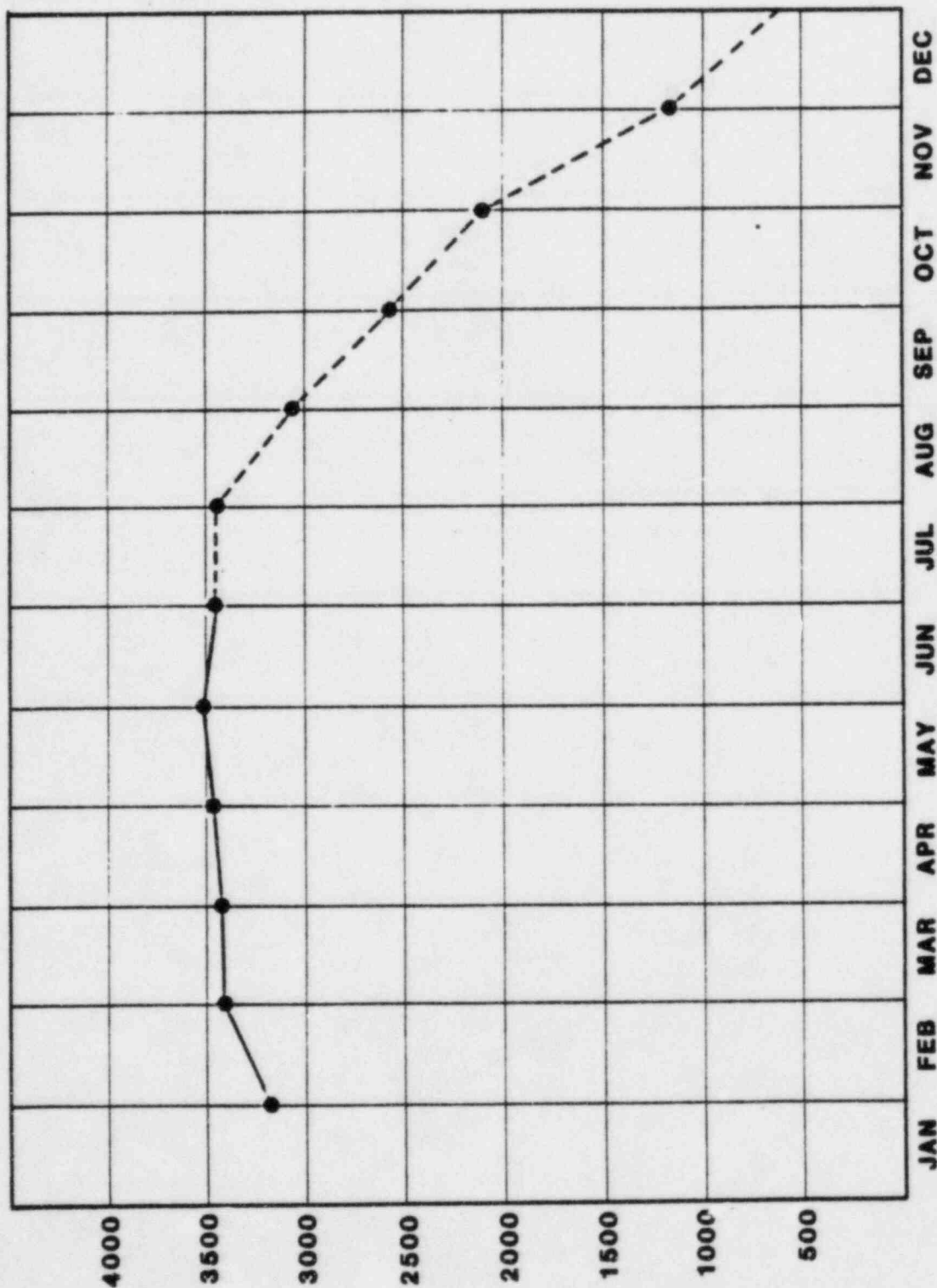
CRAFT LABOR FORCE

- **Phase out plan established**
- **Keyed to completion by discipline**
- **No-strike clause**

1985

TOTAL CRAFT MANPOWER

— ACTUAL
--- PLANNED



ACTUAL		PLANNED										
3189	3403	3413	3467	3506	3434		3434	3050	2575	2083	1175	613

TESTING AND RELEASE

- **Checkout and Initial Operation (C&IO) testing 80% complete**
- **Preoperational/acceptance testing 30% complete**
 - Testing pace increasing
- **Reactor plant hot operations in progress**
- **14% of systems turned over to plant staff**
- **Problem Areas**
 - Testing level high
 - System release

PROCEDURE STATUS

Startup procedures

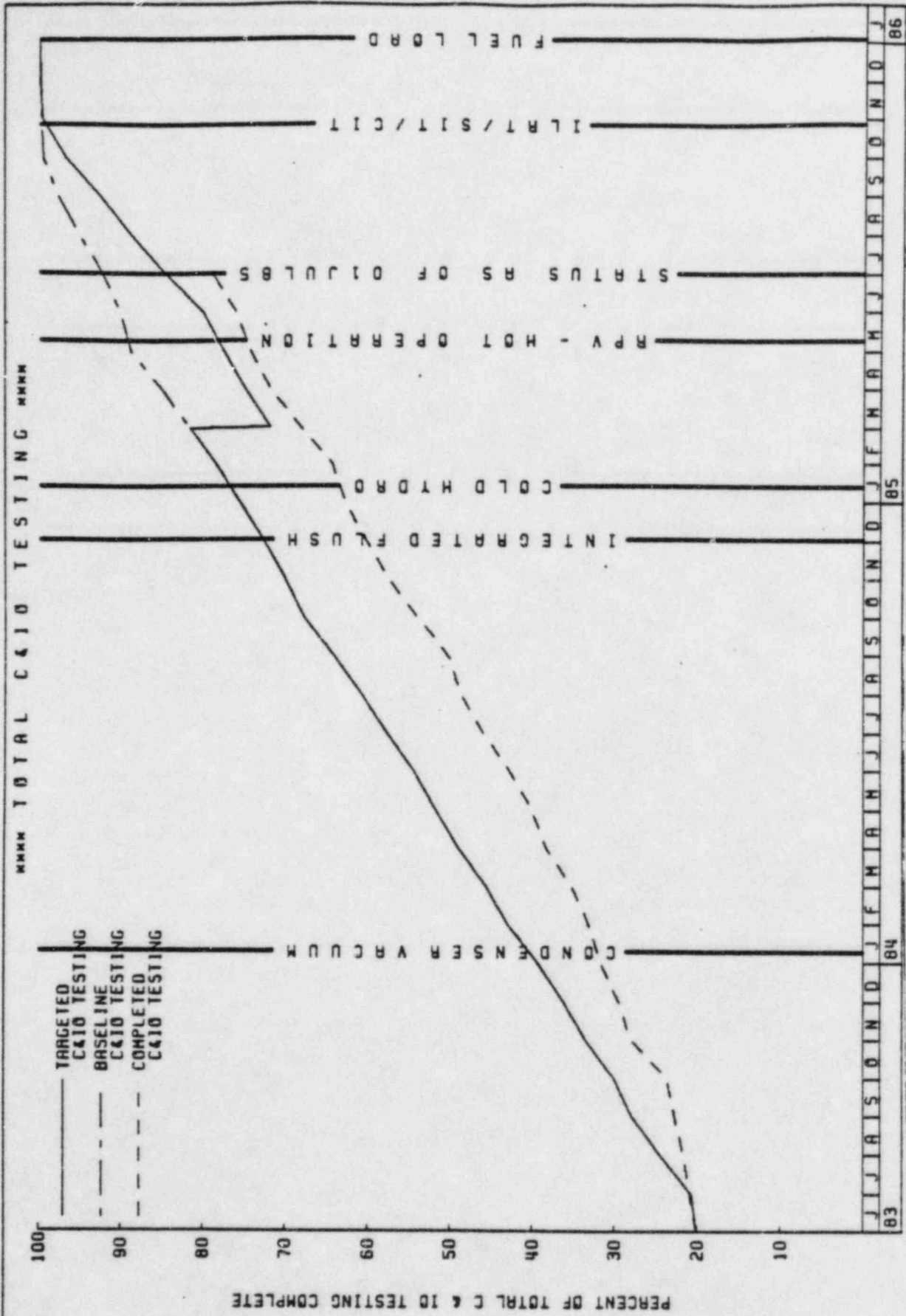
Complete – 90%

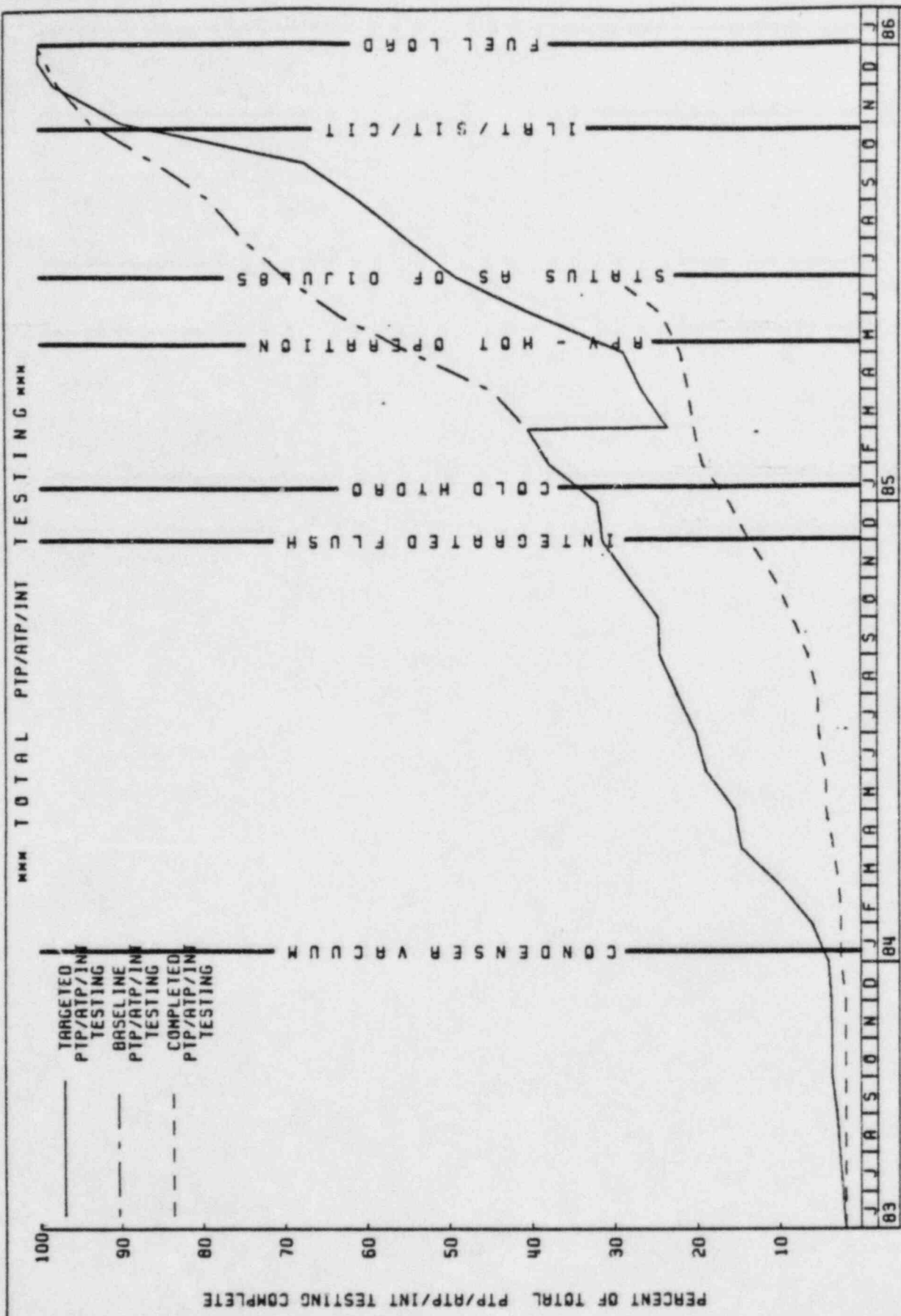
Started – 6%

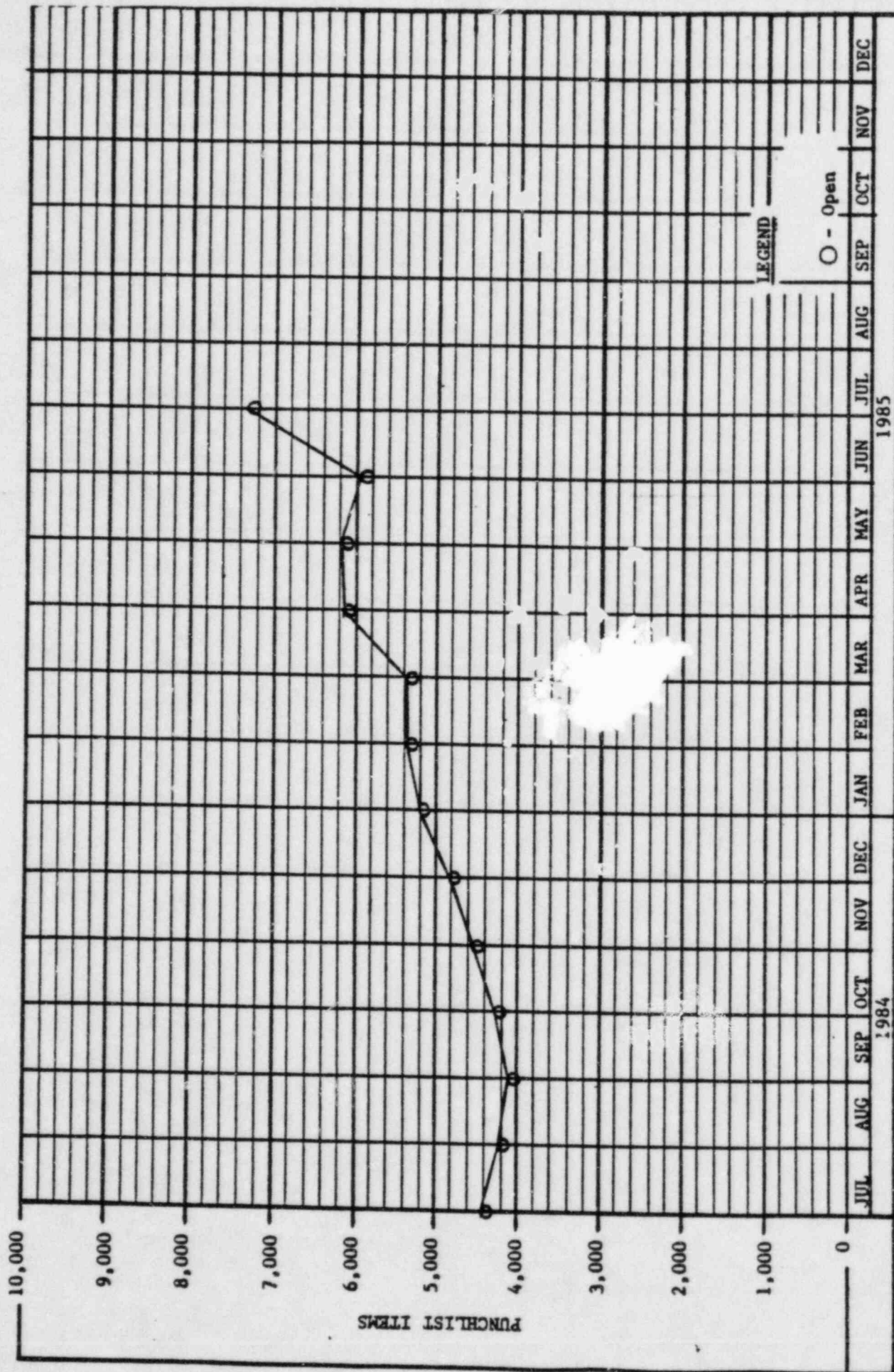
Plant staff procedures

Complete – 96.5%

Started – 3.5%

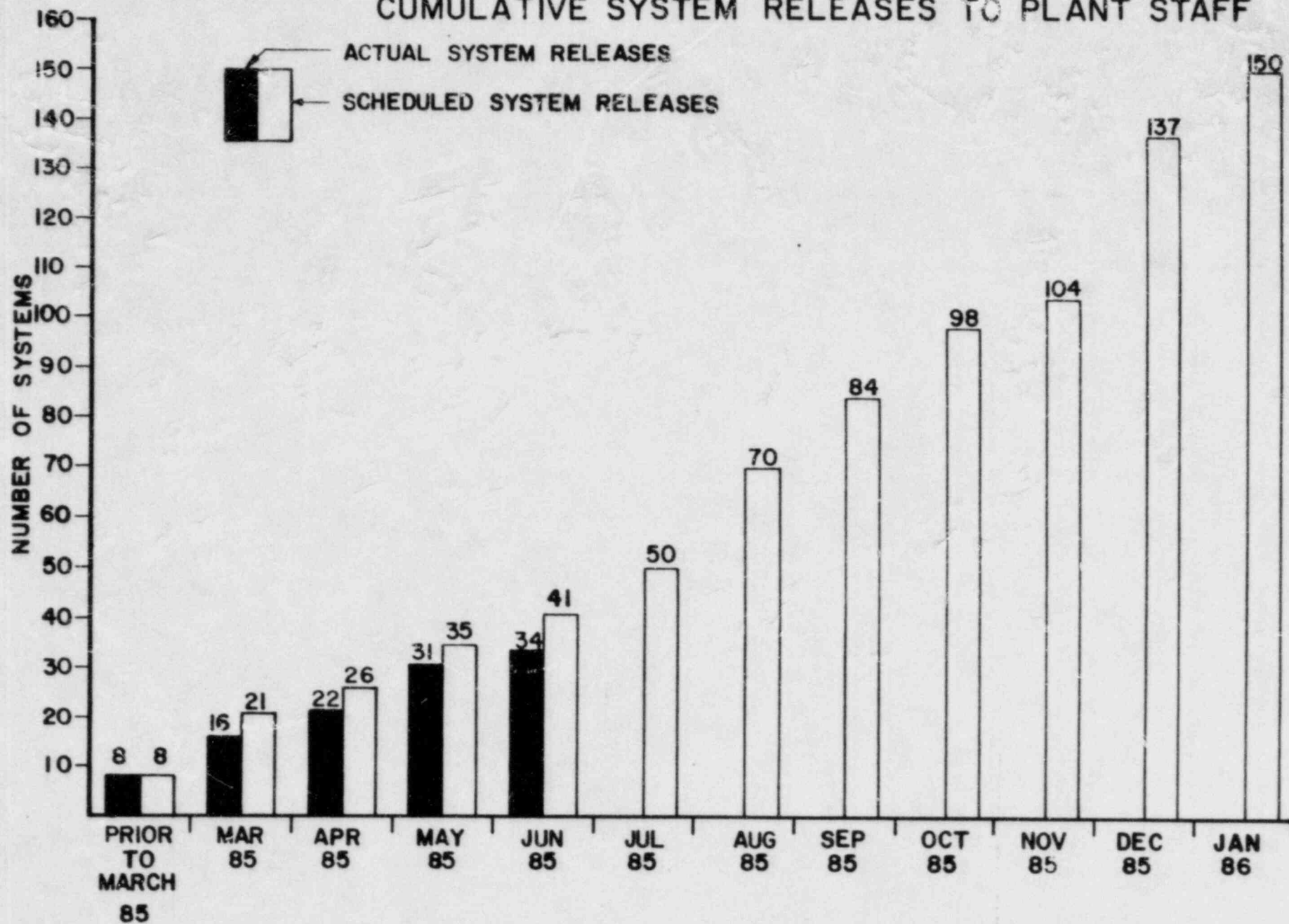






STARTUP PUNCHLIST SYSTEM SUMMARY
NUMBER OF SYSTEM DEFICIENCIES

CUMULATIVE SYSTEM RELEASES TO PLANT STAFF



DESIGN AND ENGINEERING STATUS

- **Design is complete**
- **Design change issues**
 - Fire protection
 - Modifications
 - Electrical separation
- **Independent Design Review issues**
- **Construction Appraisal Team issues**

SIGNIFICANT LICENSING EVENTS

JAN 1985	JOINT STIPULATION SIGNED RESOLVING LICENSING
MAR 1985	INDEPENDENT DESIGN REVIEW COMPLETE
JUN 1985	CONSTRUCTION APPRAISAL TEAM
JUL 1985	CASE LOAD PANEL
NOV 1985	SALP
DEC 1985	EMERGENCY EXERCISE
JAN 1986	OPERATING LICENSE

STATUS OF CLINTON POWER STATION SAFETY EVALUATION REPORT

LICENSING ISSUES

<u>DOCUMENT OR STATUS</u>	<u>OUTSTANDING ISSUES</u>	<u>CONFIRMATORY ISSUES</u>
SER (2/82)	20	64
SSER #1 (7/82)	16	38
SSER #2 (5/83)	9	31
SSER #3 (5/84)	6	22
SSER #4 (2/85)	7*	13
<hr/>		
UNDER NRC REVIEW	3*	8
ITEMS REQUIRING IP INPUT TO NRC	4	5
	<hr/>	<hr/>
	7	13

***ISSUE #13 "REMOTE SHUTDOWN SYSTEM" WAS
REOPENED BY NRC STAFF TO RESOLVE GENERAL
DESIGN CRITERION 19 (CONTROL ROOM)**

**SER OUTSTANDING ISSUES
REQUIRING IP INPUT**

- #5 POSTULATED PIPING FAILURES**
- #7 ENVIRONMENTAL, SEISMIC QUALIFICATION,
AND PUMP & VALVE OPERABILITY**
- #9 POOL DYNAMIC LOADS**
- #18 EMERGENCY PLANNING**

UNDER NRC REVIEW

- #13 REMOTE SHUTDOWN SYSTEM**
 - SUBMITTED 05/85**
- #15 CONTROL SYSTEM FAILURES**
 - SUBMITTED 12/82**
- #17 ORGANIZATION AND STAFFING**
 - SUBMITTED 04/85**

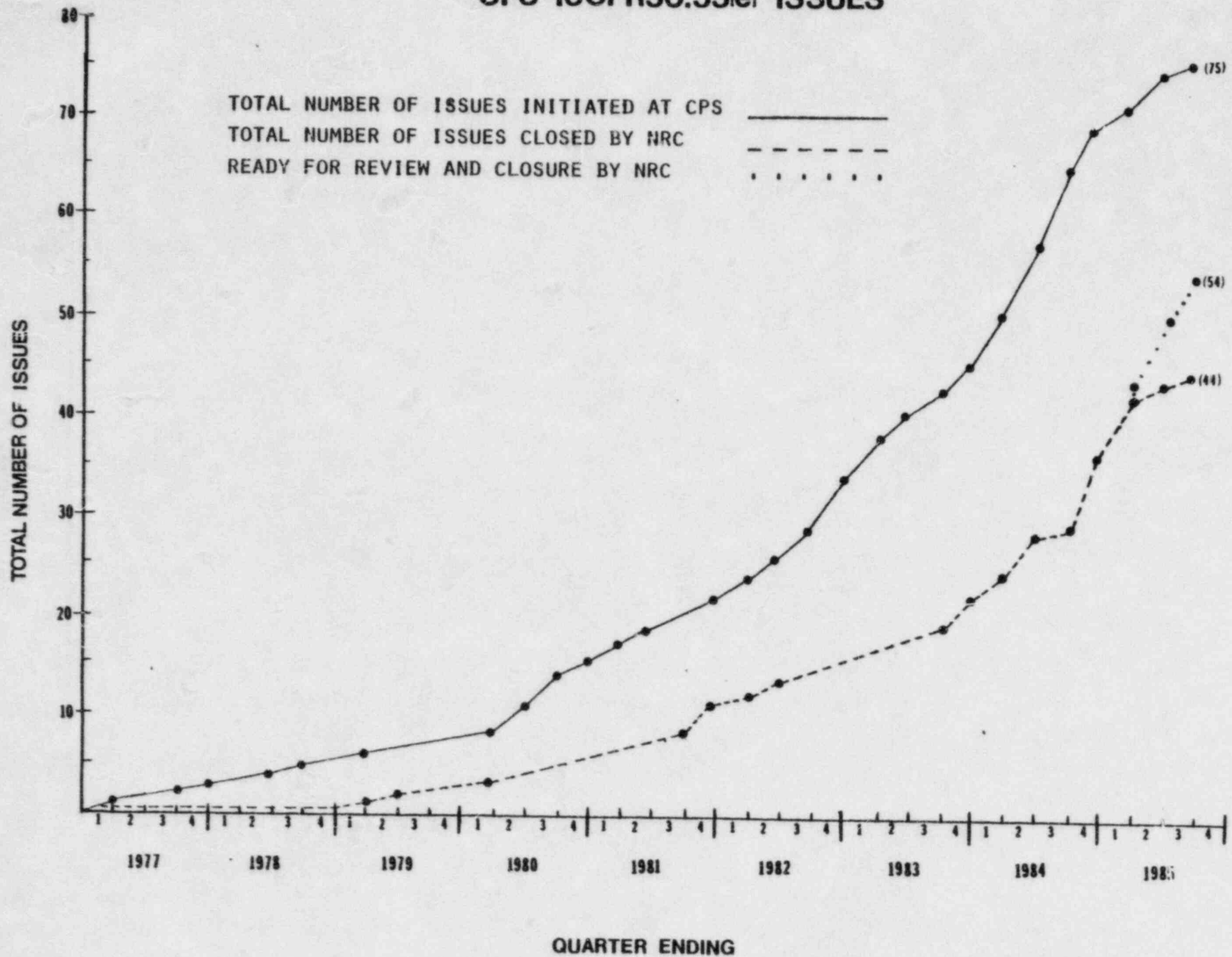
NRC INSPECTION HISTORY

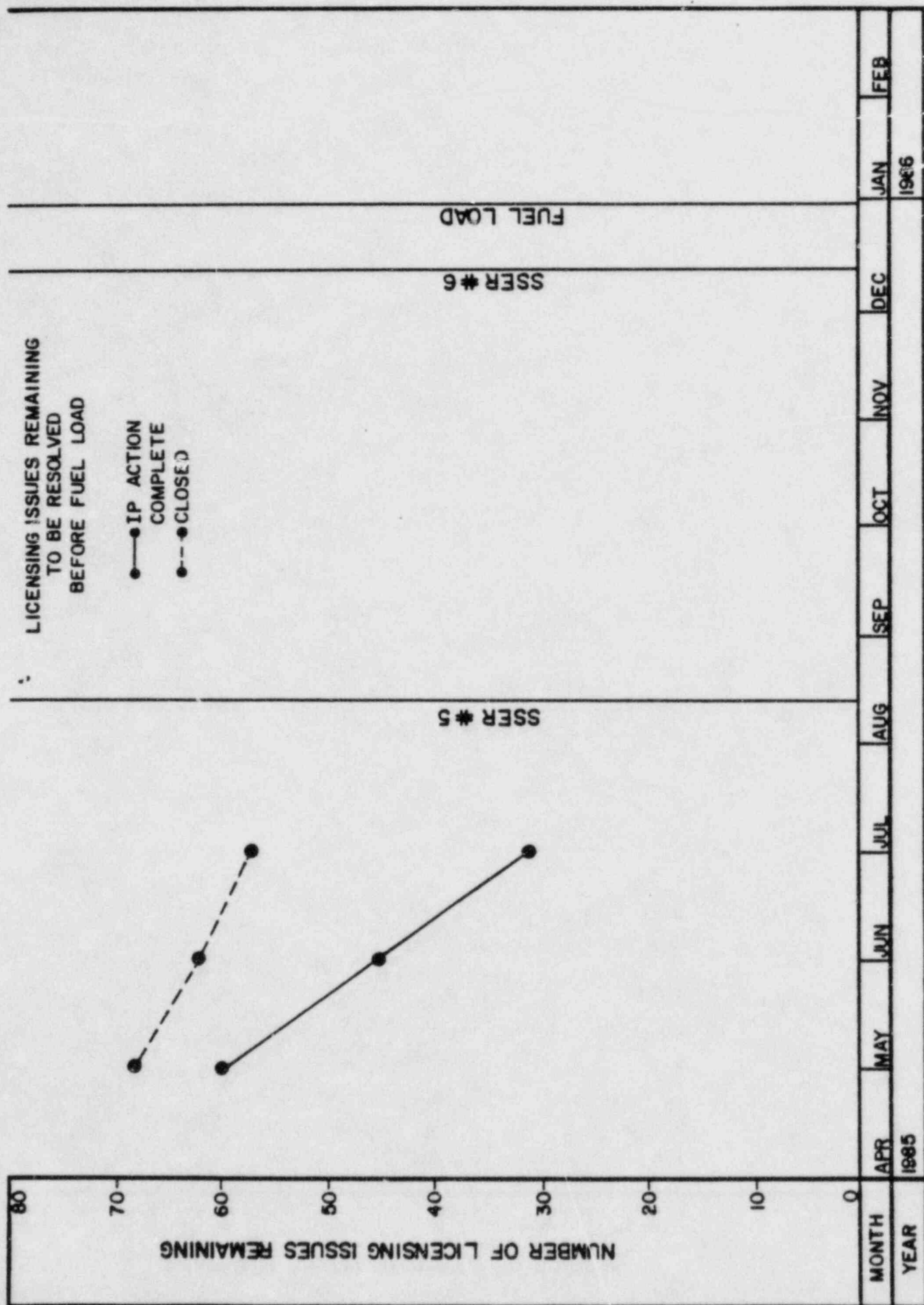
YEAR	76	77	78	79	80	81	82	83	84	85	TOTALS
NONCOMPLIANCES	2	7	14	6	24	34	16	16	9	1	129
DEVIATIONS	1	0	0	0	0	1	0	0	1	0	3
UNRESOLVED	7	8	9	9	18	26	4	6	11	7	105
OPEN	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>16</u>	<u>23</u>	<u>21</u>	<u>60</u>	<u>141</u>	<u>262</u>
TOTAL	10	15	23	15	43	77	43	43	81	149	499

OUTSTANDING NRC IE ITEMS

	<u>Total Open</u>	<u>Ready For NRC Review</u>
Noncompliances	16	14
Deviations	1	0
Unresolved	17	9
Open	<u>177</u>	<u>87</u>
Total	211	110

CPS 10CFR50.55(e) ISSUES





NUREG 0737 SUPPLEMENT 1

ITEM

STATUS

• UPGRADE EMERGENCY OPERATING PROCEDURES (EOP's)

- WRITERS GUIDE APPROVED
- UPDATED THROUGH REV 3 OF BWR
OWNERS GROUP GENERIC EOP's
- ESTIMATED COMPLETION JUL 31, 1985

• CONTROL ROOM DESIGN REVIEW (CRDR)

- PROGRAM PLAN APPROVED
- SYSTEM/FUNCTION/TASK ANALYSIS COMPLETE
- INITIAL HUMAN ENGINEERING OBSERVATIONS
ASSESSMENT IN PROGRESS
- ESTIMATED COMPLETION SEP 30, 1985
- NRC PRE-IMPLEMENTATION AUDIT PRIOR
TO FUEL LOAD

• SPDS

- PROGRAM PLAN AND DESIGN APPROVED
- PLANT COMPUTER SOFTWARE DEVELOPMENT
COMPLETE
- SIMULATOR SOFTWARE DEVELOPMENT
75% COMPLETE
- HARDWARE ON SITE
- ESTIMATED COMPLETION SEP 4, 1985
- FINAL VERIFICATION/VALIDATION REPORT
TO NRC DEC 6, 1985

NUREG 0737 SUPPLEMENT 1 (cont.)

ITEM

STATUS

• EMERGENCY RESPONSE FACILITIES

- DESIGN REPORT APPROVED
- ALL FACILITIES TURNED OVER TO IP
- NRC POST FUEL LOAD APPRAISAL MAR 1986

• REG GUIDE 1.97 INSTRUMENTATION

- COMPLIANCE REPORT APPROVED
- INSTALLATION 70% COMPLETE
- COMPLETION OF INSTALLATION AUG 30, 1985
- REPORT COMPLETION TO NRC SEP 30, 1985

• EMERGENCY PLANNING

- ONSITE PLAN APPROVED
- EMERGENCY PLAN IMPLEMENTING PROCEDURES
SUBMITTED TO NRC JULY 1, 1985
- EMERGENCY PREPAREDNESS APPRAISAL
NOV 15, 1985
- CONDUCT EMERGENCY EXERCISE DEC 4, 1985

PROCUREMENT ACTIVITIES

- **Consolidated Site Procurement Activities Under IP Management. Major Elements**

- Purchasing
- Receiving
- Storehousing
- Inventory Control
- Expediting

- **Scope of Activities**

- Material To Complete Construction
- Purchase of Repair Parts

- **Major Areas Tracked**

- Up Coming Milestone Material Shortages
- Priority Construction Work Request Material
- Master List of All Outstanding Repair Parts/Materials /Components
- Material For Upcoming Turnover Packages

SPARE PARTS STATUS

<u>LINE ITEMS</u>	<u>SPECIAL</u>	<u>COMMERCIAL GRADE</u>	<u>TOTAL</u>
REQUISITION CYCLE	300	1,200	1,500
P.O. WRITTEN/ NOT RECEIVED	2,250	1,650	3,900
RECEIVED	4,920	19,680	24,600
ESTIMATED ADJUSTMENT	800	3,200	4,000
TOTAL	8,270	25,730	34,000

SECURITY SYSTEMS

- **Implementation of security program
Oct 1, 1985**

- **Personnel**

- Security force fully manned
- 40 to be qualified to support fuel receipt

- **Fuel Receipt**

- Security plan approved by NRC
- Patrols, access control and procedures ready for implementation

- **Construction and testing**

- Construction of craft security portal to complete this month
- All remaining security systems turned over
- Testing on schedule to meet milestones

RADIATION MONITORING SYSTEMS

• RADIATION PROTECTION SYSTEMS IMPLEMENTATION PLAN DEVELOPED

Project Manager Assigned

• MONITORING SYSTEMS

<u>SYSTEM</u>	<u>VENDOR</u>	<u>STATUS</u>
CONTAINMENT MONITORING	VICTOREEN	<ul style="list-style-type: none">- ELECTRICAL INSTALLATION LIMITING- PROJECTED TURNOVER AUG 30, 1985
LEAK DETECTION	GENERAL ELECTRIC	<ul style="list-style-type: none">- ELECTRICAL INSTALLATION LIMITING- PROJECTED TURNOVER AUG 30, 1985
AREA/PROCESS RADIATION MONITORING	EBERLINE	<ul style="list-style-type: none">- ELECTRICAL INSTALLATION LIMITING- PROJECTED TURNOVER AUG 30, 1985- BROKEN INTO LIMITED TURNOVERS TO ALLOW TESTING TO PROCEED- PORTABLE MONITORING EQPT RELEASED

• MONITORING SYSTEMS (cont)

<u>SYSTEM</u>	<u>VENDOR</u>	<u>STATUS</u>
ENVIRONMENTAL MONITORING		<ul style="list-style-type: none">- CONSTRUCTION COMPLETE- PREOPERATIONAL TESTING IN PROGRESS- SCHEDULED COMPLETION AUG 16, 1985
SPECTRAL ANALYSIS, ALARA, AND DOSIMETRY RECORD KEEPING	NUCLEAR DATA	<ul style="list-style-type: none">- CONSTRUCTION AND TESTING COMPLETE- WHOLE BODY COUNTING AND EXPOSURE RECORDS FULLY OPERATIONAL- REMAINDER OPERATIONAL BY AUG 30, 1985

• RECOVERY ACTIONS

- LIMITED TURNOVERS
- ACCELERATED TESTING SCHEDULE
- PLANT STAFF INVOLVEMENT/SUPPORT
- PARALLEL TRAINING AND TESTING
- FOCUSED MANAGEMENT ATTENTION, WEEKLY MEETINGS/TRACKING

SUMMARY

- **Work remaining identified**
- **Major problem areas**
 - Electrical installation
 - Testing
- **Aggressive management attention**
 - Work - arounds
 - Work priorities
 - Decision - oriented meetings
 - Tracking systems

CASELOAD FORECAST PANEL EXIT MEETING WITH ILLINOIS POWER COMPANY

JULY 24, 1985

D. P. Hall	IP Vice President
H. E. Daniels, Sr.	IP Project Manager
J. S. Perry	IP Manager Nuclear Program Coordinator
J. W. Wilson	IP Plant Manager
F. A. Spangenberg	IP Director Nuclear Licensing
J. H. Greene	IP Manager of Startup
R. E. Wyatt	IP Director Nuclear Program Assessment
S. B. Fisher	IP Manager Nuclear Planning & Support
C. D. Schaefer	IP Director Nuclear Planning & Support
E. W. Kant	IP Assistant Manager NSED
W. Wegner	BETA Contractor
R. E. Campbell	IP Director Quality Systems & Audits
F. J. Jablonski	NRC Region III Project Inspector
W. R. Butler	NRC Branch Chief Division of Licensing
B. L. Siegel	NRC Licensing Project Manager
R. A. Hartfield	NRC Chief Management Support Branch
T. P. Gwynn	NRC Region III Project Chief Section 1B
R. Gruenwald	IP Supervisor Schedules