



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

May 18, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

KMLNRC 84-079
Re: Docket No. STN 50-482
Ref: Letter of 5/9/84 from BJYoungblood, NRC,
to GLKoester, KG&E
Subj: Caseload Forecast Team Visit to Wolf Creek

Dear Mr. Denton:

The Reference requested that KG&E provide in advance of the visit the background and schedule information for the Caseload Forecast Team's visit to Wolf Creek on May 24, 1984. Attached is the handout material for the visit.

The information contained herewith is formally incorporated into the Wolf Creek Generating Station, Unit No. 1 Operating License Application.

Yours very truly,

GLK:bb
Attach
xc: JCollins, Reg. IV
PO'Connor (2)
HBundy

8405230270 840518
PDR ADUCK 05000482
A PDR

Boo!
1/44

OATH OF AFFIRMATION

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

I, Glenn L. Koester, of lawful age, being duly sworn upon oath, do depose, state and affirm that I am Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, that I have signed the foregoing letter of transmittal, know the contents thereof, and that all statements contained therein are true.

KANSAS GAS AND ELECTRIC COMPANY

ATTEST:

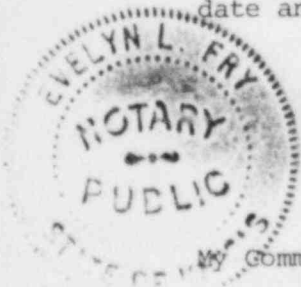
E.D. Prothro
E.D. Prothro, Assistant Secretary

By Glenn L. Koester
Glenn L. Koester
Vice President - Nuclear

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED that on this 18th day of May, 1984, before me, Evelyn L. Fry, a Notary, personally appeared Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the date and year above written.



Evelyn L. Fry
Evelyn L. Fry, Notary

My Commission expires on August 15, 1984.

CASELOAD FORECAST PANEL SITE VISIT
May 24, 1984
BACKGROUND AND SCHEDULE INFORMATION

A. Introduction (Mr. Koester - V.P. Nuclear)

B. Project Level Organization and Forecast Completion Status

F. Duddy
(Proj. Director) Overview of current project level organization (E,P,C,SU,OPS.)
and project construction and preoperational testing
schedule, including progress and major milestones completed,
current problems and any anticipated problem areas that may
impact the current projected fuel load date.

C. Engineering, Procurement and Licensing

- M. Johnson
(Mgr. Nuclear
Plant Eng.)
1. Detailed review and current status of design and engineering effort (by major discipline), including any potential problems that may arise from necessary rework.
 2. Detailed review and current status of procurement activities, including valves, pipe, instruments, cable, major components, spare parts, etc.
 3. High energy line breaks (HELB)
 4. Human factors control room work
 5. Status and schedule for seismic II/I review
 6. Environmental qualifications of safety-related equipment
 7. Seismic qualification of safety-related equipment
 8. Pipe stress (as-built) analysis, including 79-14
 9. Updating drawings and specifications to as-built conditions.
- G. Rathbun
(Mgr. Licensing)
10. Detailed discussion of potential scheduler influence due to changes attributed to NUREG-0737 and other recent licensing requirements.
 11. ATWS design changes
 12. Discussion of scheduler impact, if any, regarding potential deficiencies reported in accordance with 10 CFR 50.55(e).

D. Construction

J. Berra
(VP-DIC)

1. Detailed review and current status of bulk quantities, including current estimated quantities, quantities installed to date, quantities scheduled to date, current percent complete for each, actual versus forecast installation rates, in cubic yards/mo., linear feet/mo., or number/mo., and basis for figures.

(a) Concrete (CY)

(b) Process Pipe (LF)

-Large Bore Pipe (2 1/2" and larger)

-Small Bore Pipe (2" and smaller)

(c) Yard Pipe (LF)

(d) Large Bore Pipe Hangers, Restraints, Snubbers (ea)

(e) Small Bore Pipe Hangers, Restraints (ea)

(f) Cable Tray (LF)

(g) Total Conduit (LF)

(h) Total Exposed Metal Conduit (LF)

(i) Cable (LF)

-Power

-Control

-Security

-Instrumentation

-Plant Lighting

(j) Terminations (ea)

-Power

-Control

-Security

-Instrumentation

-Plant Lighting

(k) Electrical Circuits (ea)

-Power

-Control

-Security

(l) Instrumentation (ea)

2. Detailed review and current status of all large and small bore pipe hangers, restraints, snubbers, etc., including design, rework, procurement, fabrication, delivery and installation.
3. Review of open items list by category (hardware/paper work) identifying each and work off rate as add on rate.
4. Detailed review of room/area turnover schedule and status.
5. N-stamp certification program.
6. Actual and proposed craft work force (by major craft), craft availability, productivity, potential labor negotiations and problems.
7. Detailed review of project construction schedule identifying critical path items, near critical items, amount of float for various activities, the current critical path to fuel loading, methods of implementation of corrective action for any activities with negative float, and provisions for contingencies. The estimated project percent complete as of January 31, 1984.

E. Preop. Testing

R. J. Glover
(Mgr.-Startup)

1. Detailed review and current status of preparation of preop and acceptance test procedures, integration of preop and acceptance test activities with construction schedule, system turnover schedule identifying each system and status, preop and acceptance tests schedule identifying each test and status, current and proposed preop and acceptance tests program manpower.
 - (a) Total number of procedures required for fuel load.
 - (b) Number of draft procedures not started.
 - (c) Number of draft procedures being written.
 - (d) Number of procedures approved.
 - (e) Number of procedures in review.
 - (f) Total number of preop and acceptance tests required for fuel load identifying each.
 - (g) Number of preop and acceptance tests completed identifying each.
 - (h) Number of preop and acceptance tests currently in progress identifying each and status.
 - (i) Number of systems and/or subsystems turned over to Startup identifying each.
 - (j) Number of systems turned over to Operations group, identifying each and outstanding open items for each system.

- (k) Number of retest expected, if any, identifying each and cause for retest.

F. Operations

F. Rhodes
(Plant Mgr.)

1. Detailed review and current status of power ascension testing procedures and operational procedures.
 - (a) Power ascension test procedures including safety-related and nonsafety-related.
 1. Numbers required
 2. Numbers not started
 3. Numbers in preparation and approval process
 4. Numbers approved
 - (b) Operating procedures required for fuel loading; including station administrative, station operational, surveillance (e.g. technical specification), maintenance and emergency procedures.
 1. Numbers required
 2. Numbers not started
 3. Numbers in preparation and approval process
 4. Numbers approved
2. Detailed review and current status of permanent station and support staffing, training and licensing.
 - (a) Staffing for Unit 1 operation, including presently employed, projected and authorized for each group reporting to the Vice President Nuclear (Reference FSAR Fig 13.1-2).
 - (b) Staffing of (Unit 1) station organization including presently employed or contracted, projected, and authorized for each organizational subgroup (Reference FSAR Fig 13.1-4).
 - (c) Training program; outstanding training courses required prior to fuel load; identifying job titles, numbers of personnel, and projected completion.
 - (d) Operator and senior operator licenses presently onsite, contracted, projected and required for fuel loading.

3. Status of security system.
4. Status of Health Physics and radwaste procedure development.
5. Status of ASME section 11 program.

G. Quality Program - R. Grant (Director of Quality)

H. Summarization - F. Duddy (Proj. Director)

I. Closing Remarks - G. Koester (V.P.-Nuclear)

1984 SCHEDULE MILESTONES

	<u>1982 F/C</u>	<u>1983 F/C</u>	<u>1984 F/C</u>
SECONDARY HYDRO	10/14/83	8/06/83 A	8/06/83 A
PRIMARY HYDRO	3/23/84	12/25/83	2/13/84 A
HOT FUNCTIONAL TEST	7/24/84	4/13/84	6/24/84
SIT / ILRT	9/21/84	6/02/84	8/12/84
FUEL LOAD	10/31/84	8/15/84	10/07/84
GENERATE AT 50% POWER	1/27/85	11/08/84	1/17/85
GENERATE AT 100% POWER	2/24/85	1/16/85	3/24/85

WOLF CREEK ENGINEERING

POWER BLOCK AND ESW - BECHTEL

SITE - SARGENT & LUNDY/KG&E

SECURITY - HOAD/KG&E

BECHTEL ENGINEERING PERCENT COMPLETE STATUS

DISCIPLINE	PRODUCTION	SUPPORT
Architecture	99.3	91
Civil	99.9	94
Control Systems	96.9	76
Electrical	99.0	76
Mechanical	99.7	88
Plant Design Layout	99.9	83
Plant Design Hanger	99.9	83
Plant Design Piping and Valve	99.3	79
Plant Design Stress	99.8	79
Total Engineering	99.4	89

BECHTEL ENGINEERING STATUS

High Energy Line Break

- **Design Complete**

Pipe Stress (As-Built) Analysis

- **As-Built Analysis Complete**
- **Confirmatory Review of As-Built Analysis Being Performed Based on N-5 Schedule (7/84)**

Updating Drawings and Specifications to As-Built Condition

- **Site specific drawings are issued on an ongoing basis**

Environmental Qualification of Safety-Related Equipment

- **NRC submittal complete**
- **NRC audit complete**

Seismic Qualification of Safety-Related Equipment

- **Complete**

Status & Schedule for Seismic II/I Review

- **Design Complete**

CURRENT DESIGN ACTIVITIES REQUIRED TO SUPPORT FUEL LOAD

Construction Support

Schedule Completion

- | | |
|---|------|
| <ul style="list-style-type: none">• 79-14 Walkdown
Approximately 70 percent complete as of 5/1/84 | 6/84 |
| <ul style="list-style-type: none">• N-5 Certification
Preliminary stress certification complete | 6/84 |
| <ul style="list-style-type: none">• Main Control Board and Auxiliary Shutdown Panel
Human Factor Modifications | 5/84 |
| <ul style="list-style-type: none">• Redundant CO and CO₂ Detection Alarm System | 5/84 |

CURRENT DESIGN ACTIVITIES REQUIRED TO SUPPORT FUEL LOAD (Continued)

Startup/Operational Support	<u>Schedule Completion</u>
• Halon Fire Protection System Modifications due to Callaway Testing	5/84
• Radiation Monitors Operational Problem Experienced at Callaway	5/84
• Security System Changes as a Result of Callaway Experience	5/84
• Replacement of Barton Transmitters with Rosemount — Optional Mounting Detail	5/84

CURRENT DESIGN ACTIVITIES REQUIRED TO SUPPORT FUEL LOAD (Continued)

Licensing

**Schedule
Completion**

- Fire Protection Changes as a Result of NRC Audit

5/84

PROCUREMENT SUMMARY

Cable Summary:

Total cable on order (ft)	7,761,088
To be ordered	- 0 -
Total footage required	7,761,088
Shipped	7,747,088
To be shipped by 5/84 (contingency quantity)	14,000

Valves - Mechanical:

Valves on order	11,151
To be ordered	- 0 -
Total required	11,151
Total shipped	11,151
Delivery & complete	100% of valves ordered

Valves - Control/Instrumentation:

Total ordered	500
Total shipped	500
% complete	100%

Piping

% complete	100%
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Hangers:

% complete	100%
------------	------

Rebar:

% complete	100%
------------	------

Structural Steel:

% complete	100%
------------	------

Miscellaneous Steel:

% complete	100%
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CONTROL ROOM AND AUXILIARY SHUTDOWN PANEL
HUMAN FACTORS MODIFICATIONS

STATUS OF PREVIOUS REVIEWS

Total Findings	Resolve for Fuel Load	Engineering Work Completed	Open	Engineering Complete
299	191	188	3	6/21/84

FUTURE REVIEW

<u>Review</u>	<u>Scheduled</u>	<u>Remarks</u>
Control Room Environment	June 1984	Resolution of findings not required for Fuel Load Callaway survey is complete Two significant findings were generated. Similar finding will probably be generated at Wolf Creek on June 4 & 5.

STATUS
SITE ENGINEERING AND PROCUREMENT

Sargent and Lundy Scope - Engineering and Procurement Complete

Hoad Scope (Site Security) - Engineering and Procurement
Complete

KG&E Scope

Emergency Notification System

Engineering and procurement complete except
automatic dialing system (June delivery)

ERFIS Communications Links

Engineering and procurement complete

Finish Sitework

Engineering complete

SUMMARY

WOLF CREEK ENGINEERING

- ° Production Engineering is essentially complete
Remaining activities won't delay fuel load
- ° Engineering is staffed to effectively support
Construction and Startup

Status of TMI Items and SER Issues

	<u>Number Open</u>	<u>Action Required</u>			
		<u>KG&E</u>	<u>NRC</u>	<u>Both</u>	<u>None</u>
Open Items	7	1	4	2	-
Confirmatory Items	17	1	15	1	-
License Conditions	7	1	4	0	2
TOTAL	31	3	23	3	2

ATWS Status

*NRC Commissioners Approved Rule on 11/11/83

- Requires AMSAC for W Plants
- Requires Notification of Utility Plans 6 Months After Rule Publication
- Rule has not been Published

*KG&E Through WOG Authorized W Generic Design Effort on 1/25/84

*WCAP Scheduled for NRC Submittal - 6/1/84

*NRC Review and SER Issued

*WCGS Specific Response

- 1 - 2 Months After SER

*Subsequent Outage Installation

Number	Title
53564-K043	Nuclear Coating-Spec A-125
53564-K068	Daniels Test for Welding Inspectors
53564-K071	GE AKR Breaker Deficiency
53564-K072	Failed Battery Charger Lead
53564-K076	Insufficient Torque on Structural Bolts/Nuts
53564-K082	Foxboro Modules
53564-K083	Ray Miller Corp.
53564-K089	GE AKR Circuit Breakers
53564-K090	Power Conversion Products Battery Chargers
53564-K094	Use of Teflon in the Power Block
53564-K097	Cutler-Hammer Push Button Switches
53564-K101	Vulkene Supreme Cable
53564-K103	Sway Strut Washers
53564-K106	Gould-Rundel Handswitches
53564-K107	PSA Snubbers
53564-K110	Improper Fitting on MSIV
53564-K111	HVAC
53564-K112	Polar Crane Testing
53564-K113	Cable Termination Lugs
53564-K114	I Beams
53564-K116	Pipe Schedule
53564-K118	Field Procurement
53564-K119	Butterfly Valves
53564-K120	Fusion Welded Pipe
53564-K121	Limatorque Operators
53564-K122	Check Valves
53564-K123	10" Gate Valves
53564-K125	PORV Relays
53564-K126	Lube Oil Keep Warm Pump (DG)
53564-K127	Valcor Wiring
53564-K128	Fan Mechanical Interlocks
53564-K129	Safety Injection Accumulators
53564-K130	Discharge Pulsation Damper
53564-K131	AFW Turbine Relay
53564-K132	Seismic Positioner Plates on DS-416 Breakers
53564-K133	Containment Spray Pump Room
53564-K134	Limatorque Pinion Key Testing
53564-K135	Barton 752 Transmitters
53564-K136	Isolation Relay Card
53564-K137	RVLIS
53564-K138	Diesel Generator Turbo Charger
55780-K002	ECCS Final Acceptance Criteria-Revised Accident Analysis
55780-K007	Ruskin Fire Dampers
55780-K010	Qualification of Control Systems
55780-K011	Pressurized Anchor Bolt Supports
55780-K019	Charging Pump Operation Following Secondary Side High Energy Line Rupture
55780-K020	Undetectable Failure in Engineered Safety Features Actuation System Rupture
55780-K024	3 inch Isolation Valves (W)
55780-K030	W Undetectable Failure in On-Line Circuits for Relays
55780-K031	Valve Position Indication for <u>W</u> Gate Valves
55780-K032	Anchor Darling Check Valves
55780-K033	Reactor Trip Switchgear
55780-K034	W 7300 Process Racks
55780-K036	Excessive Voltage Drop Control Cables
55780-K037	Hanger Classification
55780-K038	Limatorque Limit Switch Rotors

10CFR50.55(3)/Part 21
Ready for NRC Closeout

Number	Title
53564-K045	Undersized Socket Welds
53564-K064	Seismic Designed Non-Q Pipe Hangers (Special Material Traceability)
53564-K065	W Post Accident Instrument Errors
53564-K070	Restricted Movement of Non-Stationary Pipe Supports
53564-K074	Discrepancies In The BN System
53564-K075	Double Locknut Omitted On II/I Small Pipe Supports
53564-K077	U-Bolt Material Traceability
53564-K078	Component Testing
53564-K080	Garrett Solenoid Valves
53564-K081	Concerning Workmanship of Swagelok Fittings
53564-K084	Brass Fitting on Diesel Fire Pump
53564-K086	Bolt Torque on Instrument Mounts
53564-K087	GA Technologies RM-23
53564-K088	Welds on Bergen-Patterson Supports
53564-K091	Structural Steel Welds
53564-K092	Stitch Welding on Electrical Raceways and Conduit
53564-K093	Loose Parts Found In Steam Generators
53564-K099	Bergen-Patterson Weld Beam Attachments
53564-K100	Guyon 1/2 inch Socket Couplings
53564-K104	Auxiliary Feedwater Pump Shaft
53564-K108	Exposed Thread on Seal Welded Connections
53564-K109	Cracked Edge Connectors on Westinghouse 7300 Process System
53564-K115	Code Welding
53564-K117	PDP Pulsation Dampers
53564-K124	Load Shedder Emergency Load Sequencer
55780-K009	Check Valve Closure Excessive Pressure
55780-K028	Bergen-Patterson Size No. 6 and Size No. 15 Sway Struts
55780-K029	Limiterorque Sheared Pinion Keys in Motor Operators
55780-K035	Yarway Valves

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BULK COMMODITIES
(INCLUDES AREA 8)

<u>COMMODITY</u>		(P/E 4/30/84) <u>TOTAL QUANTITY</u>	<u>INSTALLED TO-DATE</u>	<u>PERCENT INSTALLED</u>
FORMWORK	SF	1,517,801	1,517,801	100.00
REBAR	TN	12,643	12,643	100.00
EMBEDS	LB	2,726,740	2,726,740	100.00
CONCRETE	CY	124,554	124,554	100.00
POST APPLIED PLATES	EA	9,789	9,762	99.72
STRUCTURAL STEEL	TN	9,871	9,871	100.00
NUC COATINGS	SF	1,350,048	1,074,366	80.84
NON-NUC COATINGS	SF	112,003	82,187	73.38
FIREPROOFING	SF	248,013	204,780	82.57
HVAC	LB	1,183,923	1,183,923	100.00
LARGE PIPE	LF	159,285	157,692	99.00
LARGE WELDS	EA	14,093	13,952	99.00
LARGE HANGERS	EA	10,924	10,403	95.20
SMALL PIPE	LF	132,169	130,847	99.00
SMALL HANGERS	EA	14,322	13,841	96.60
CABLE TRAY	LF	81,297	81,197	99.88
CABLE TRAY SUPPT.	EA	8,016	7,981	99.56
SCHEDULED CONDUIT	LF	244,525	241,902	98.93
SCH CONDUIT SUPPT.	EA	28,152	27,864	98.98
CABLE (SCHEDULED)	LF	4,440,019	4,409,690	99.18
TERMINATIONS	EA	126,246	116,693	92.43
UNSCHEDULED CABLE	LF	323,889	323,889	100.00
UNSCHEDULED CONDUIT	LF	163,240	163,240	100.00
INSULATION EQUIP	SF	39,337	31,785	80.80
INSULATION PIPE	LF	114,559	72,409	63.21
INSTRUMENTATION	EA	1,530	1,570	99.00

DISCIPLINE PERCENT COMPLETE

CIVIL	98.3
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ARCHITECTURAL	82.7
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HVAC	98.2
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PIPING	99.0
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HANGERS	96.0
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ELECTRICAL	94.6
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INSTRUMENTATION	93.0
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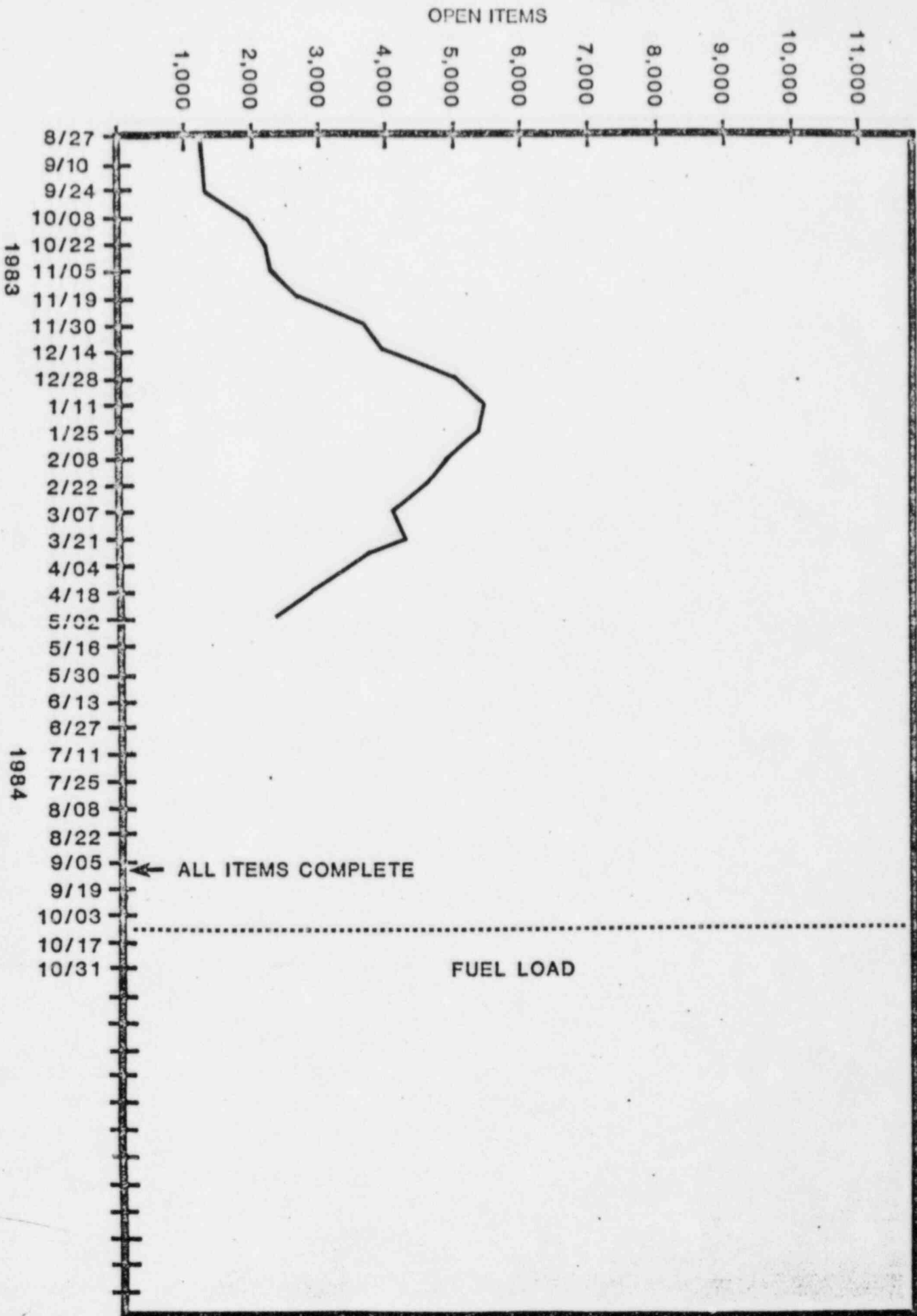
INSULATION	58.7
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BUILDING			TO GO AS OF 4/30	WEEK ENDING															
					5/7	5/14	5/21	5/28	6/4	6/11	6/18	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13
AUXILIARY	HFT	New	384	Sch.	50	52	62	62	62	62	62								
				Act.	22	45													
	HFT	Retro	2,086	Sch.	150	250	330	330	359	330	330								
				Act.	57	300													
	Other	New	338	Sch.									112	113	113				
				Act.		26													
	Other	Retro	1,513	Sch.								500	500	500					
				Act.	13	40													
	TOTAL		4,321	Sch.	200	102	102	152	381	402	402	612	613	613					
				Act.	92	411													
REACTOR	HFT	New	633	Sch.	50	75	85	85	119	119	119								
				Act.	31	53													
	HFT	Retro	1,292	Sch.	150	150	181	205	205	205	230								
				Act.	16	363													
	Other	New	213	Sch.			30	30	30	35	35	36							
				Act.	17	32													
	Other	Retro	363	Sch.			50	50	50	55	56	56							
				Act.	46	55													
	TOTAL		2,501	Sch.	200	225	306	330	364	374	400	92							
				Act.	110	503													
BALANCE OF PLANT	HFT	New	135	Sch.		23	22	22	22	21	21								
				Act.	4	20													
	HFT	Retro	33	Sch.			6	6	6	6	7								
				Act.	2	5													
	Other	New	296	Sch.			20	20	20	20	25	25	25	25	28	28	28	28	
				Act.	4	10													
	Other	Retro	655	Sch.			50	50	50	50	55	55	55	55	55	60	60	60	
				Act.		8													
	TOTAL		1,119	Sch.		23	98	98	98	97	108	80	80	80	83	88	88	88	
				Act.	10	43													
SUBTOTAL HFT			4,563	Sch.	400	550	686	71											

CONSTRUCTION OPEN ITEMS (EXCL. HANGERS)

AS OF 4/30/84	TOTAL	HARDWARE	SOFTWARE	BEING REVIEWED
ELECTRICAL	1457	450	518	489
MECHANICAL	209	17	128	64
PIPING	437	3	403	31
CIVIL	117	25	60	32
INSTRUMENTATION	709	142	319	248
TOTAL	2929	637	1428	864

CONSTRUCTION OPEN ITEMS ON TURNED OVER SYSTEMS (EXCLUDING HANGERS)



OPEN ITEMS CLOSED BY CONSTRUCTION (EXCLUDING HANGERS)

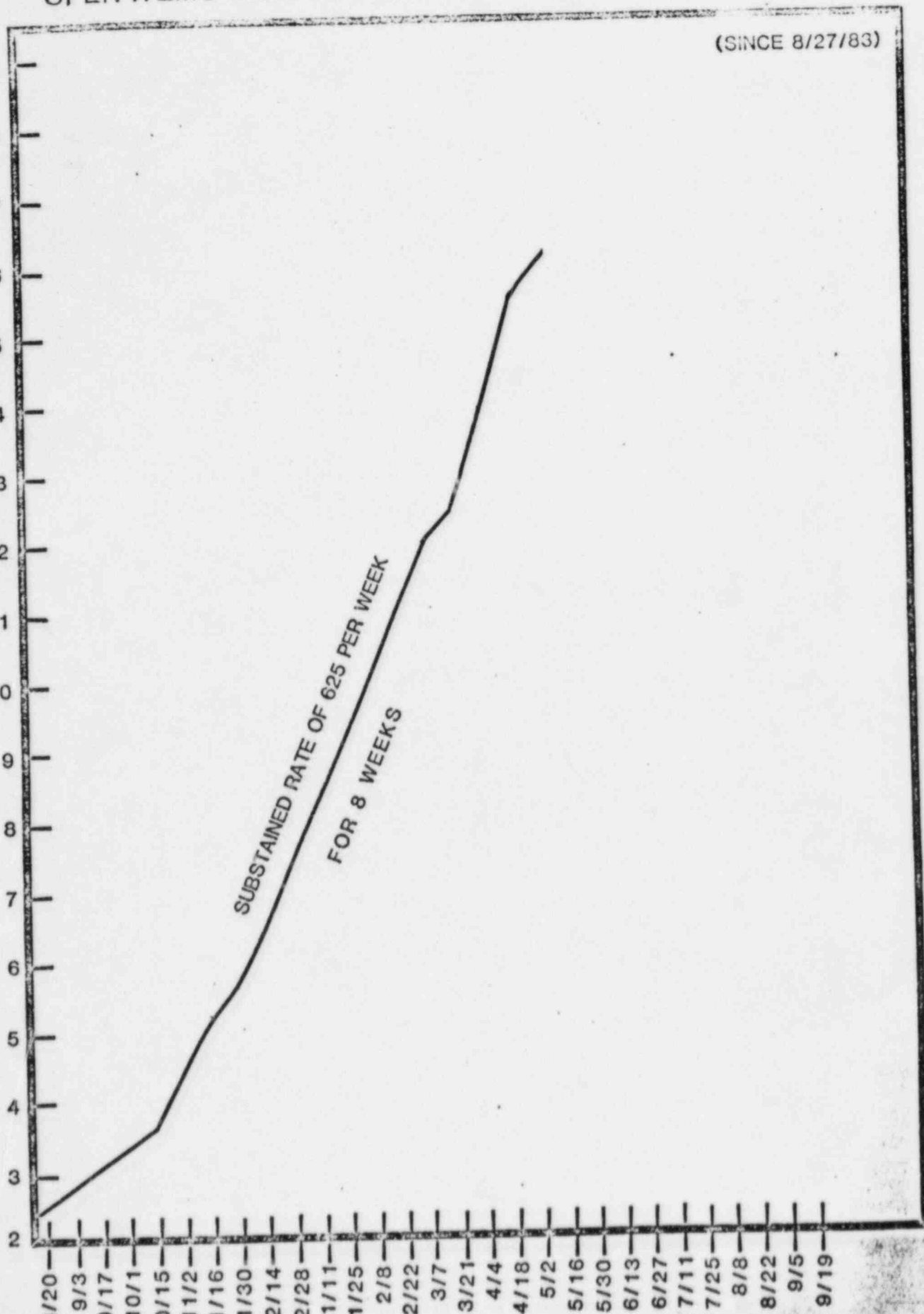
(SINCE 8/27/83)

CLOSED ITEMS (X1000)

19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2

SUBSTAINED RATE OF 625 PER WEEK
FOR 8 WEEKS

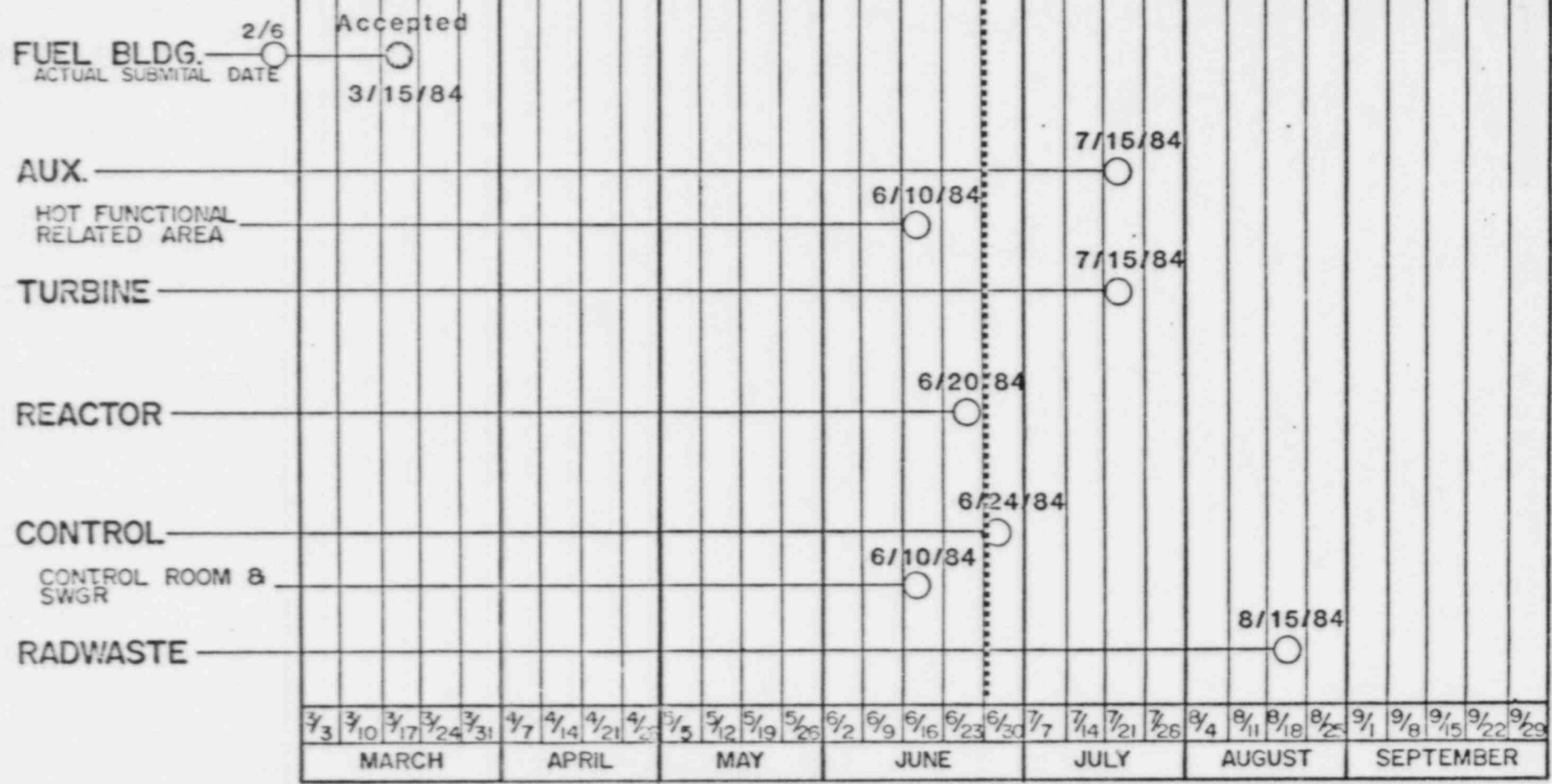
8/20 9/3 9/17 10/1 10/15 11/2 11/16 11/30 12/14 12/28 1/11 1/25 2/8 2/22 3/7 3/21 4/4 4/18 5/2 5/16 5/30 6/13 6/27 7/11 7/25 8/8 8/22 9/5 9/19
1983 1984



BUILDING T/O SCHEDULE

HOT FUNCTIONAL
6/24/84

FUEL LOAD
10/07/84



N-5 SCHEDULE

1984

	Total	As of 4/21/84		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
		To Date	To Go								
STRESS PROBLEMS SUBMITTED	417	412	5	40 52	133 141	50 46	100 173	53 --	30 --	-- --	-- --
SYSTEMS N-5 STAMPED	33	2	31	-- --	1 1	1 1	2 0	2	15	10	3

INSTRUMENTATION

<u>COMMODITY</u>	<u>TOTAL QUANTITY</u>	<u>INSTALLED TO DATE</u>	<u>% COMPLETE</u>
Instruments	1,580	1,570	99%
Instrument Stands	950	930	98%
Tube Supports	7,380	7,326	99%
Tube	118,500	116,454	98%

INSULATION

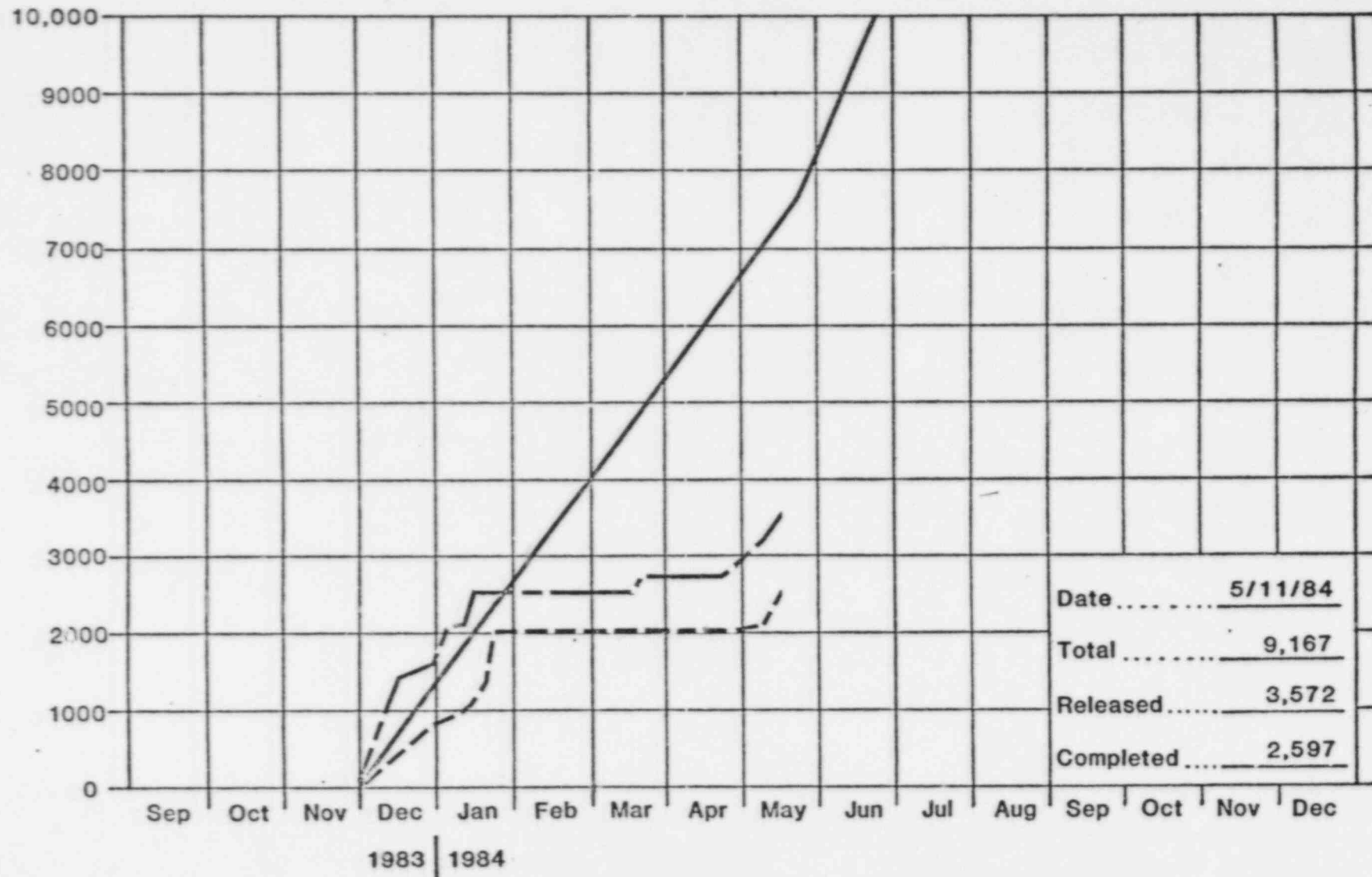
	<u>TOTAL</u>	<u>COMPLETE</u>	<u>%</u> <u>COMP</u>
<u>OUTSIDE CONTAINMENT</u>			
PIPE - LF	105,392	70,408	66.8%
EQUIP. - SF	22,500	20,476	91.0%

INSIDE CONTAINMENT

PIPE - LF	9,167	2,001	22.0%
EQUIP. - SF	16,837	11,309	67.2%

O.C.F. Weekly Status

— Scheduled
 - - - Qty. Released by KG&E
 . - - - Qty. Installed by O.C.F.



Date 5/11/84
 Total 9,167
 Released 3,572
 Completed 2,597

PIPE

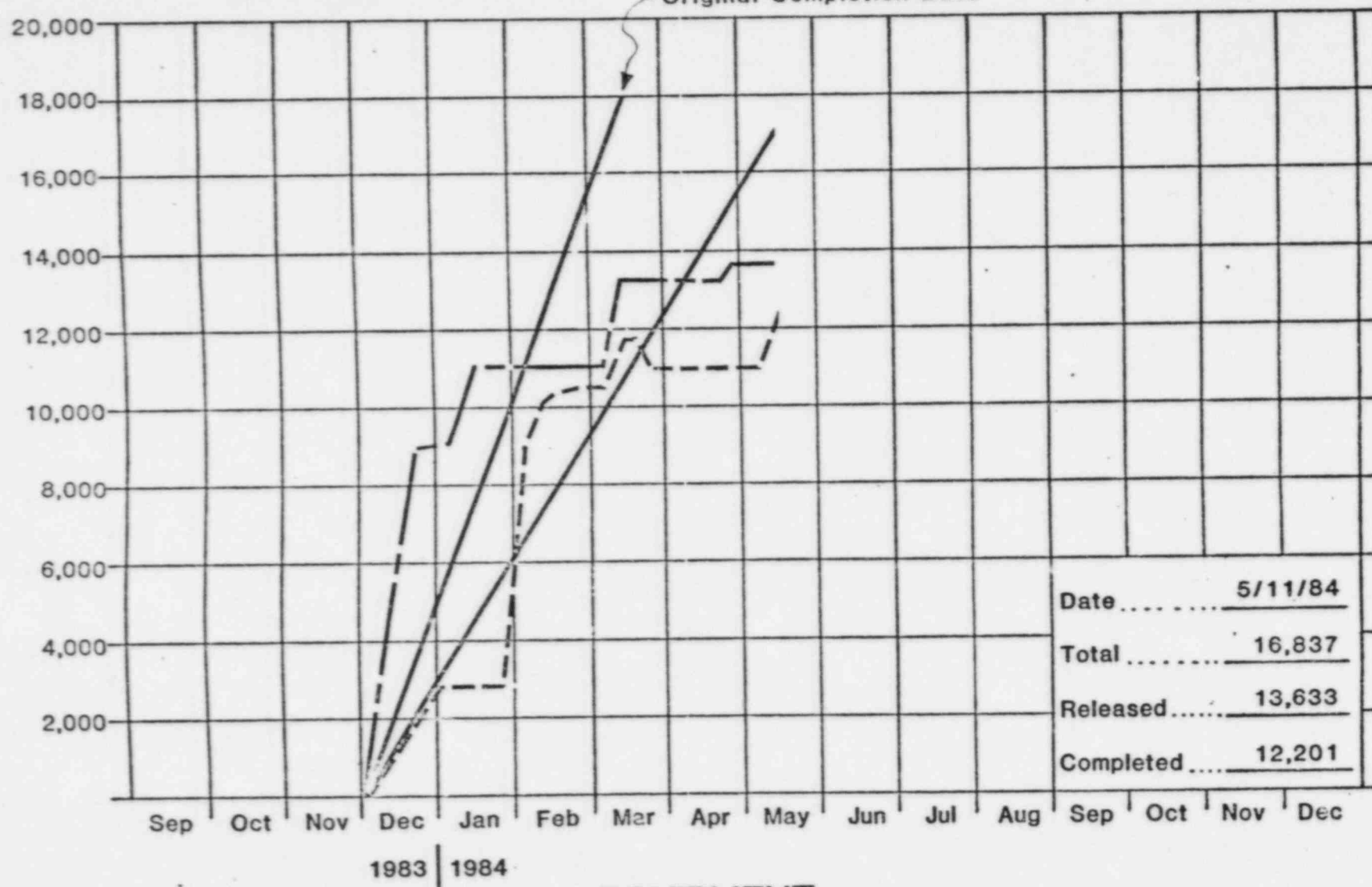
O.C.F. Weekly Status

— Scheduled

- - - Qty. Released by KG&E

- - - Qty. Installed by O.C.F.

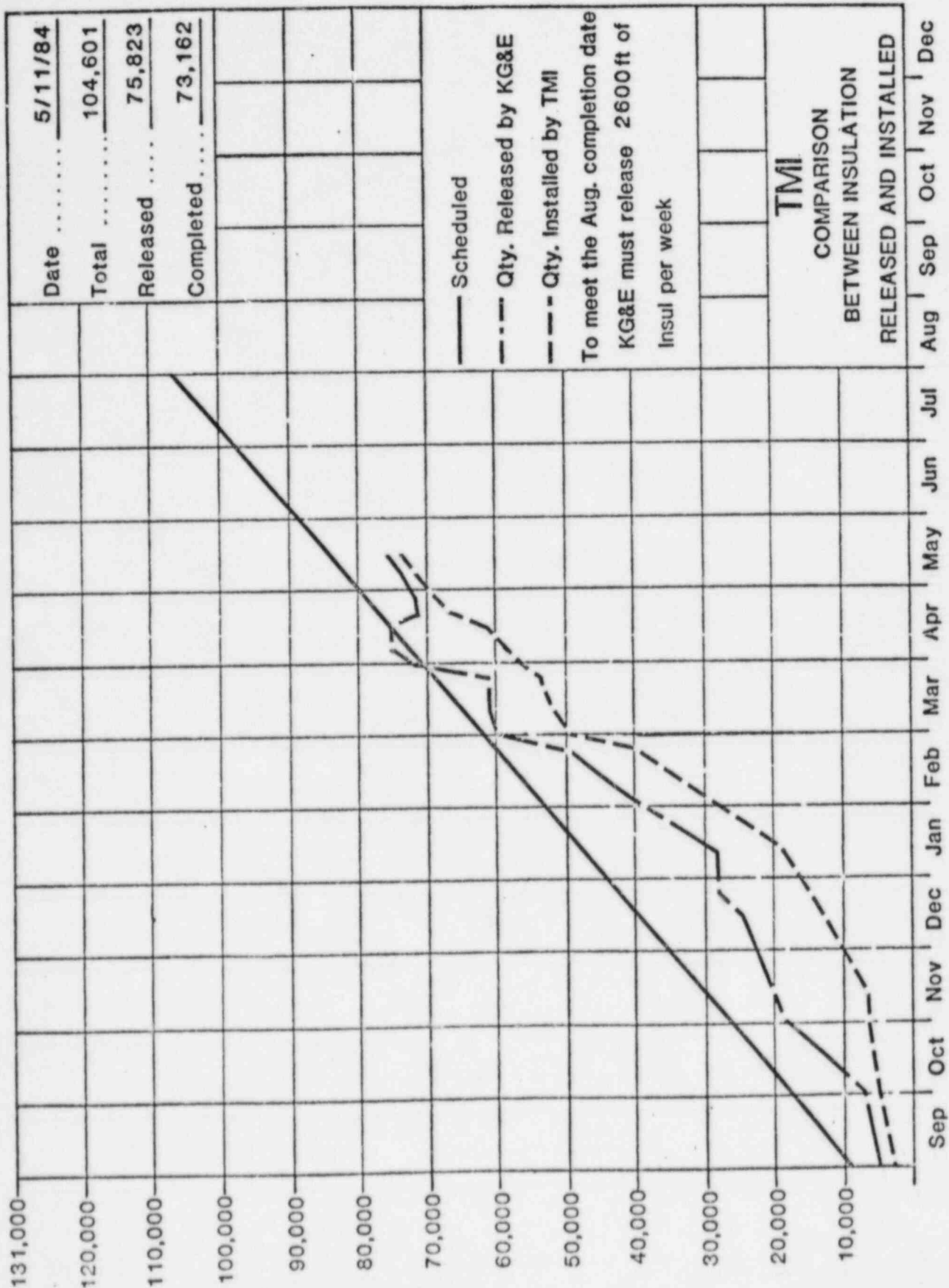
Original Completion Date



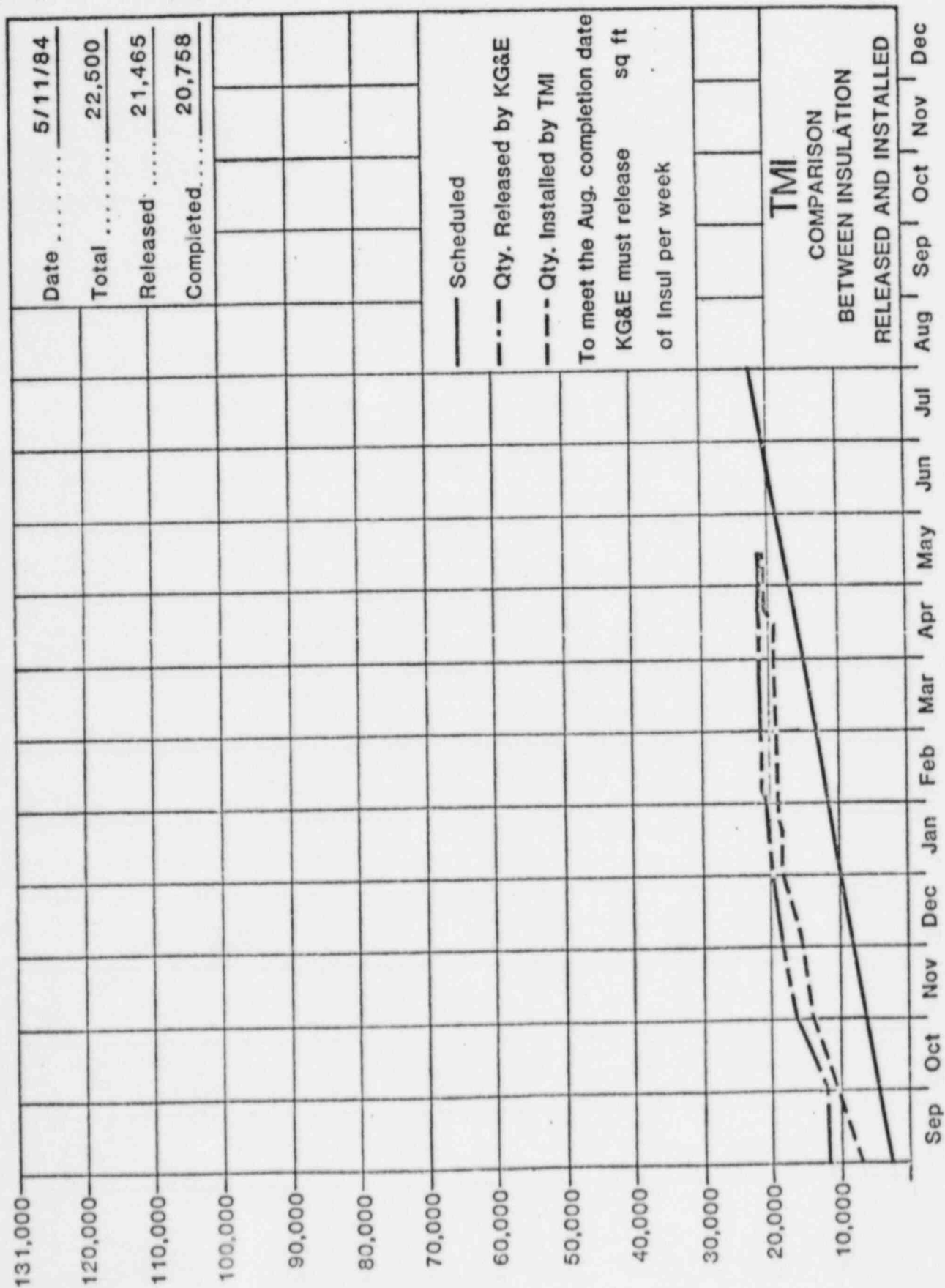
Date	5/11/84
Total	16,837
Released	13,633
Completed	12,201

EQUIPMENT

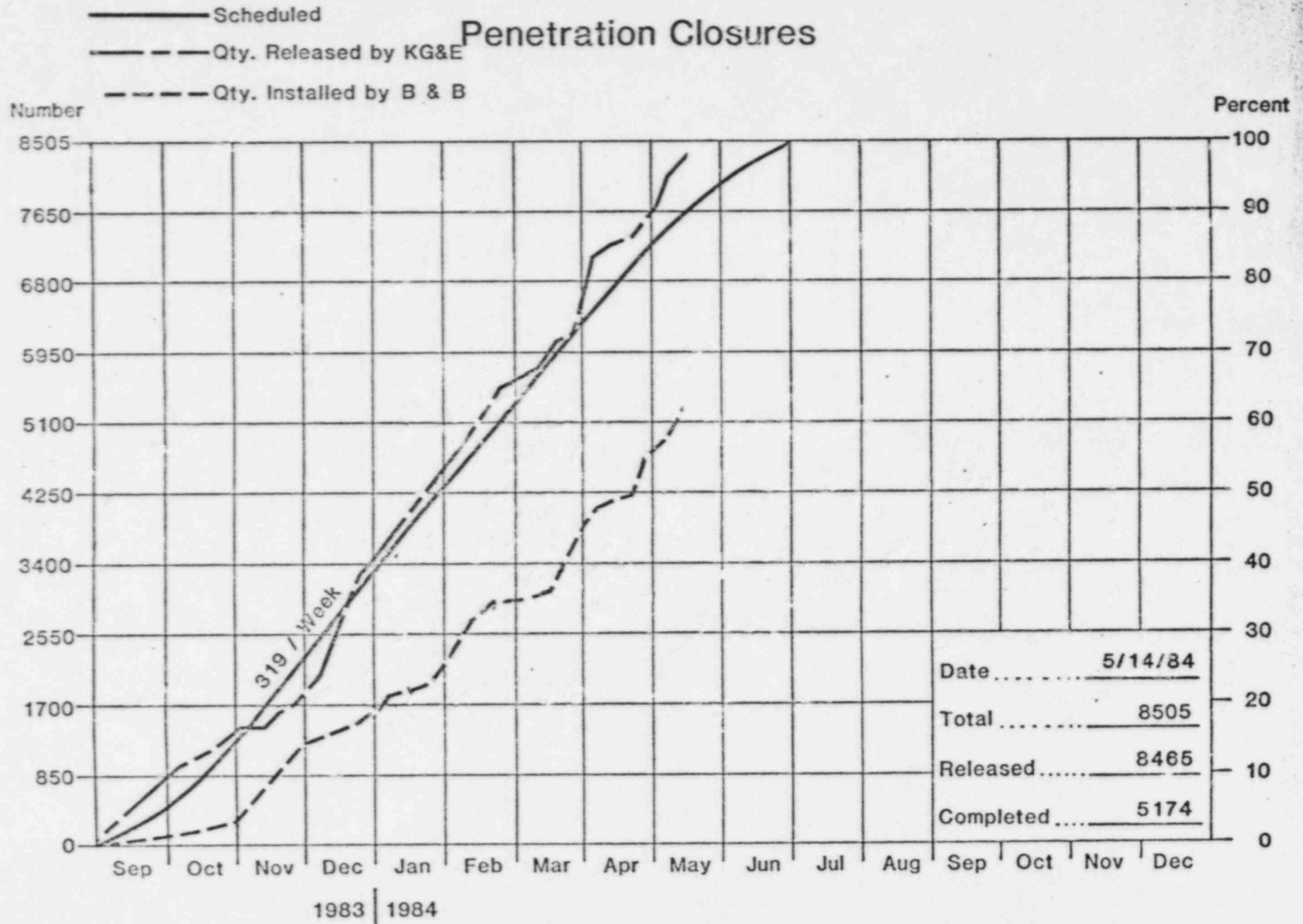
PIPING



EQUIPMENT

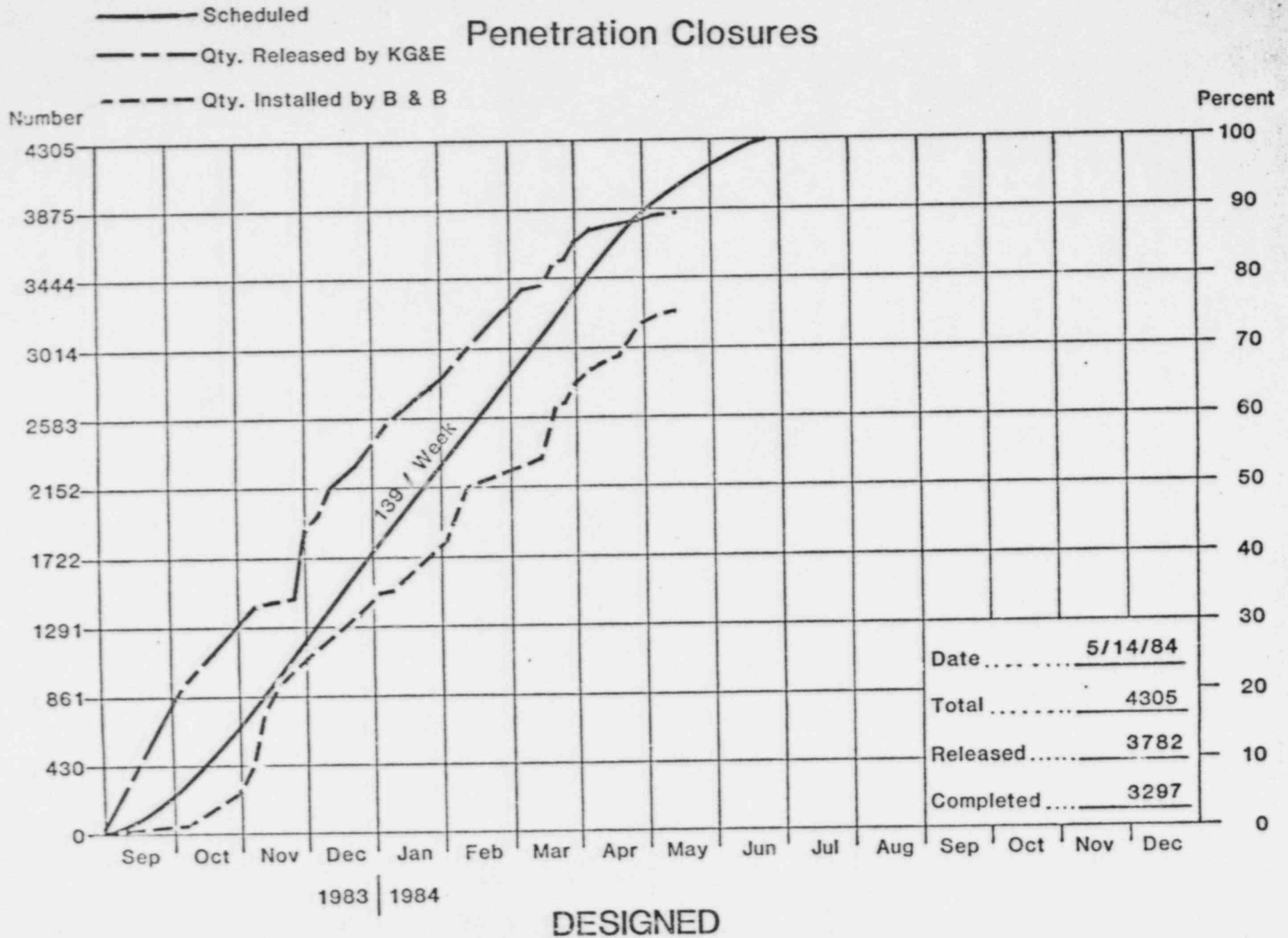


Penetration Closures

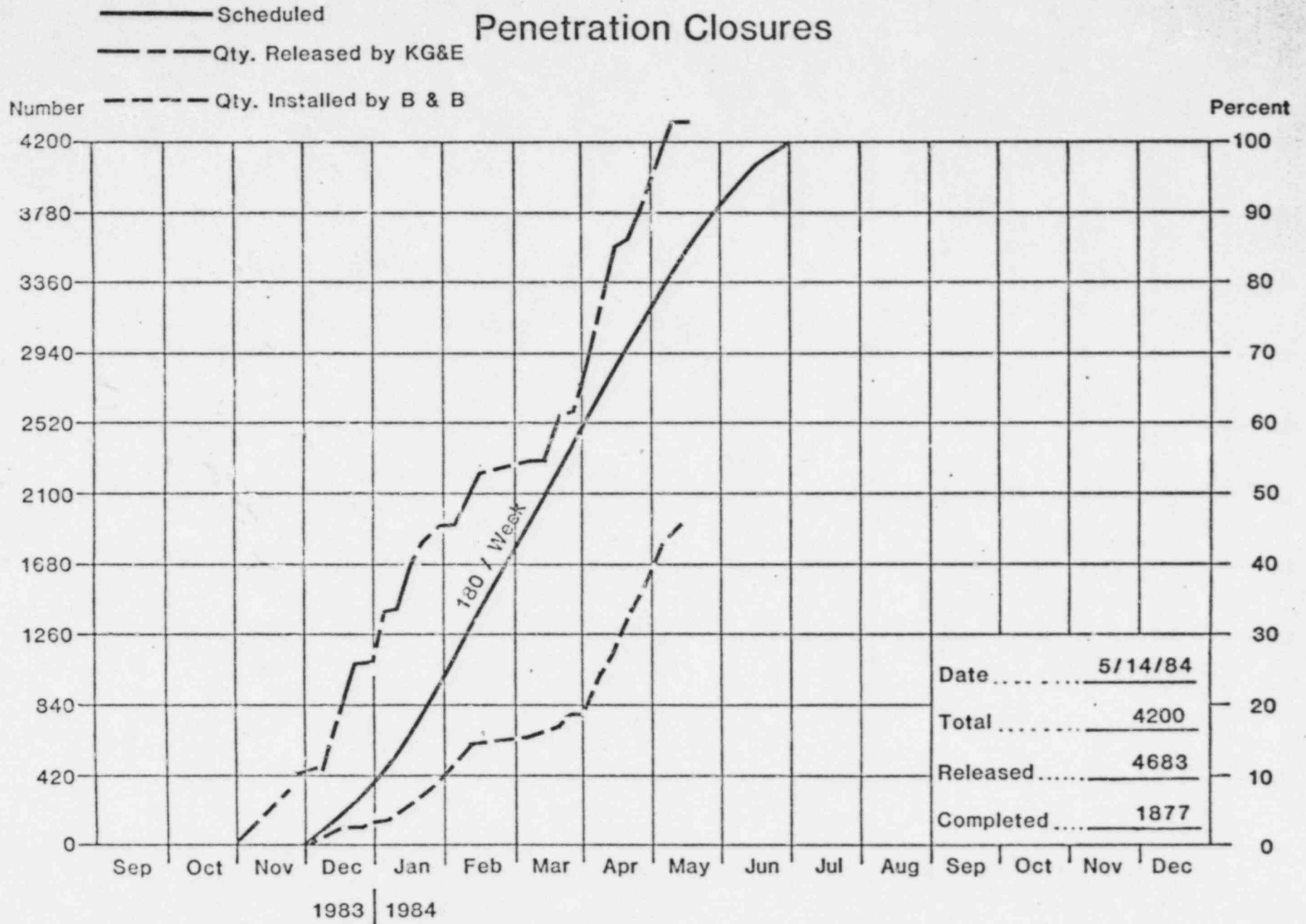


TOTAL DESIGNED, & CONDUIT ENDS

Penetration Closures



Penetration Closures

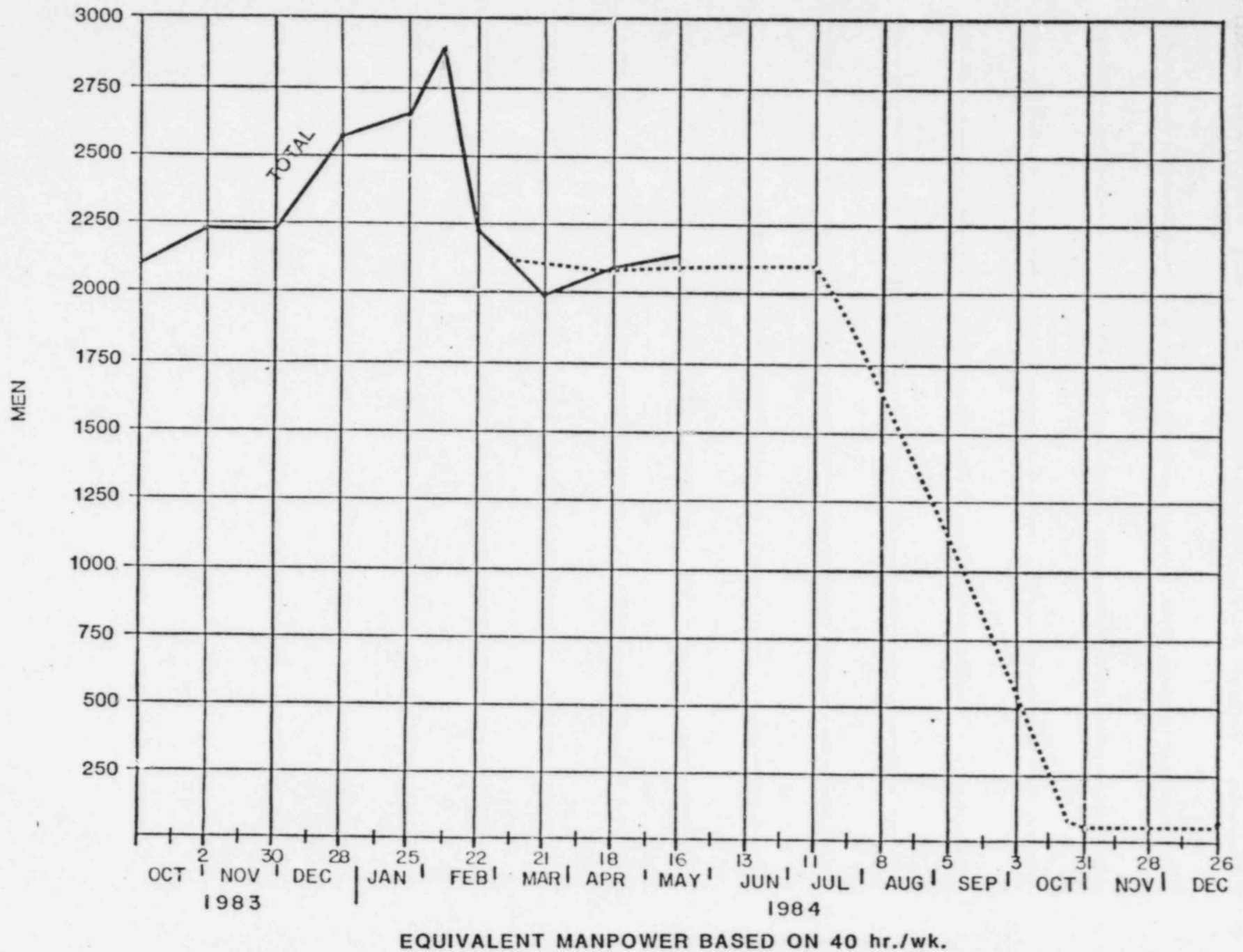


SCHEDULED CONDUIT ENDS

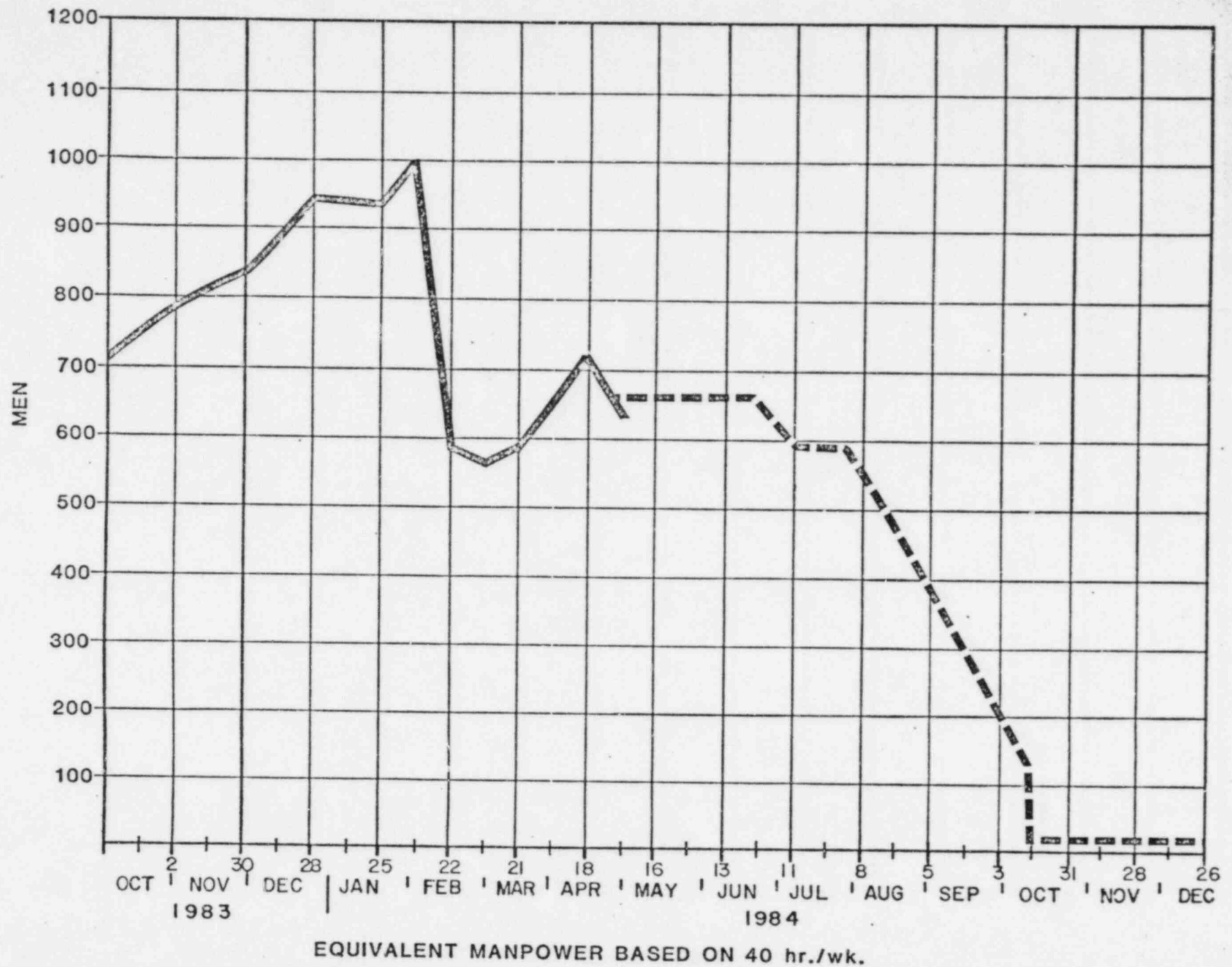
CURRENT SITE CRAFT MANPOWER

LABORERS	387
CEMENT FINISHERS	22
IRONWORKERS	90
BRICKLAYERS	19
CARPENTERS	119
PAINTERS	125
PIPEFITTERS	649
SHEET METAL	42
ELECTRICIANS	306
OPERATORS	31
INSULATORS	111
TOTAL	1,901

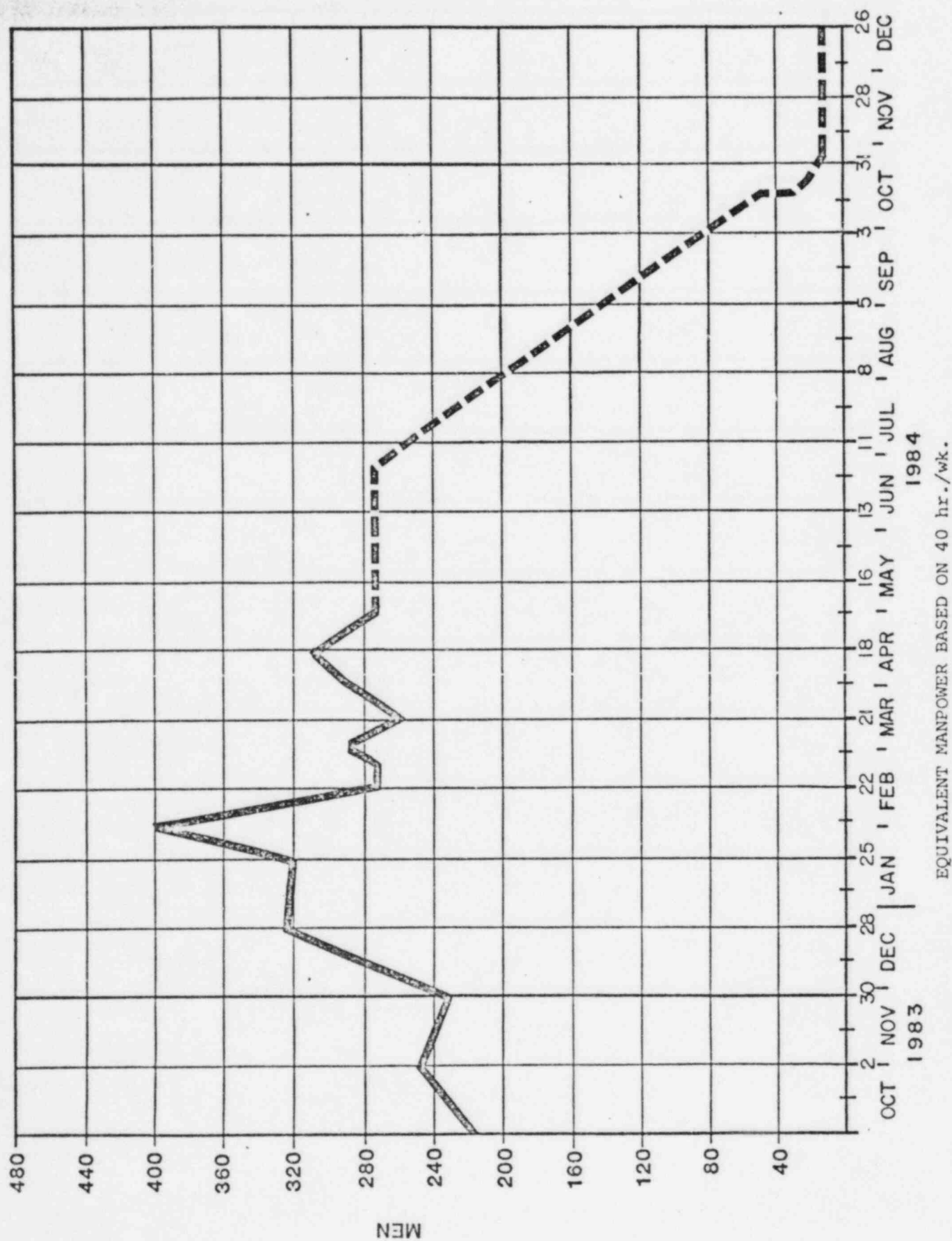
TOTAL CRAFT MANPOWER



DIC PIPEFITTERS



DIC ELECTRICIANS



CONSTRUCTION SCHEDULE OVERVIEW

CRITICAL PROGRAMS

PREOP RESTRAINT COMPLETION

- OPEN ITEM CLOSURE
- SYSTEM T/O

EXPOSURE ISSUES

PIPE HANGER COMPLETION

N-5 PROGRAM

ELECTRICAL SUPPORT INSPECTION

OPEN ITEM CLOSURE (NON PREOP RELATED)

MAJOR PROGRAMS

INSULATION

PENETRATION CLOSURES

BUILDING TURNOVERS

TO GO
SYSTEM TURNOVER

MAY

HF4	SLW (EVAPORATOR PACKAGE)
GX2	CATHODIC PROTECTION
HD	DECONTAMINATION
KD	DOMESTIC WATER
QJ3	HEAT TRACE
QN	WELDING RECEPTACLES
LA	SANITARY DRAINAGE
SR	IN-CORE NEUTRON MONITORING

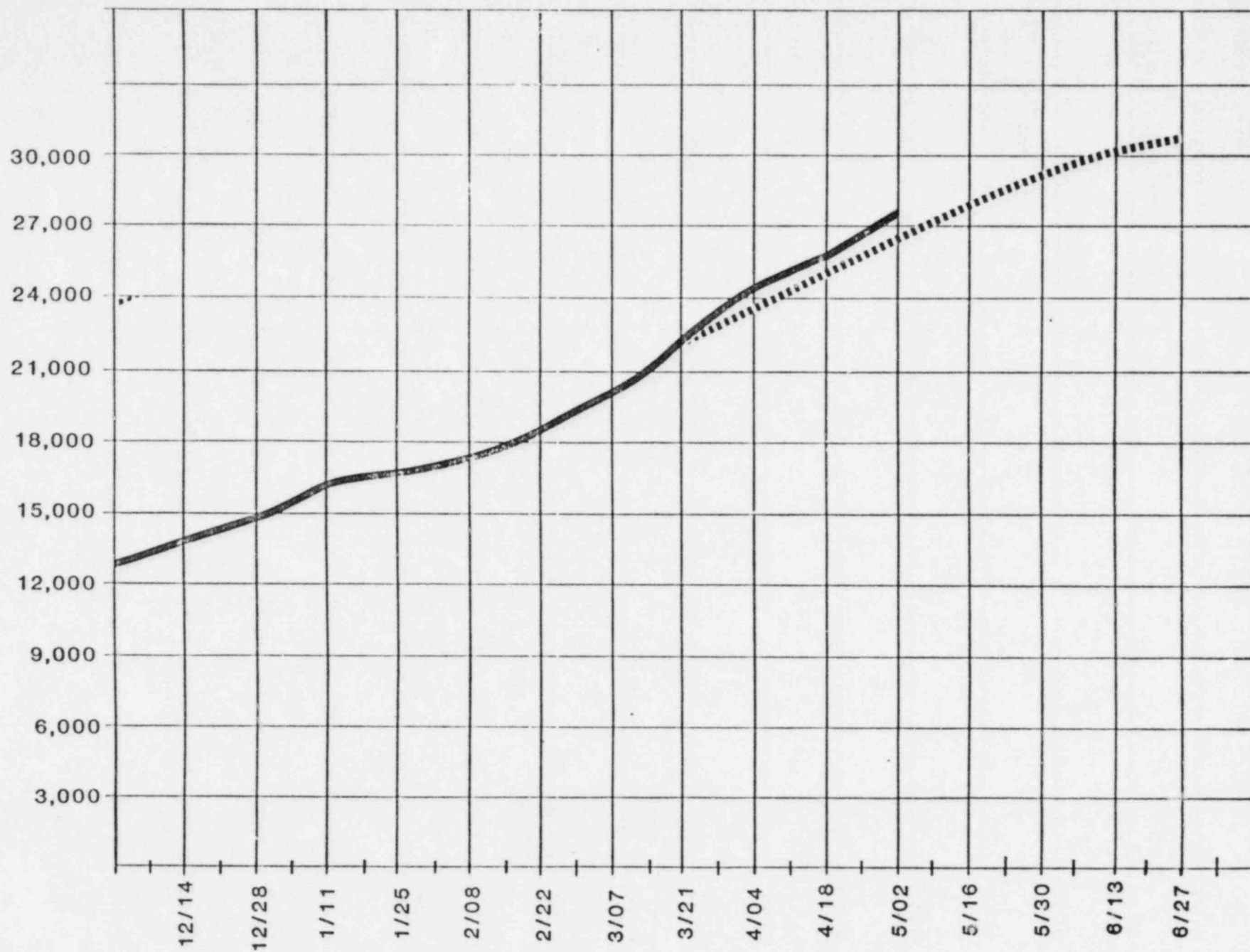
JUNE

KF	CRANES, HOISTS, ELEVATORS
SD2	AREA RADIATION MONITORING (BOP)
SP	PROCESS RADIATION MONITORING
SG	SEISMIC INSTRUMENTATION
ST2	SEWAGE TREATMENT
KE3	POLAR CRANE

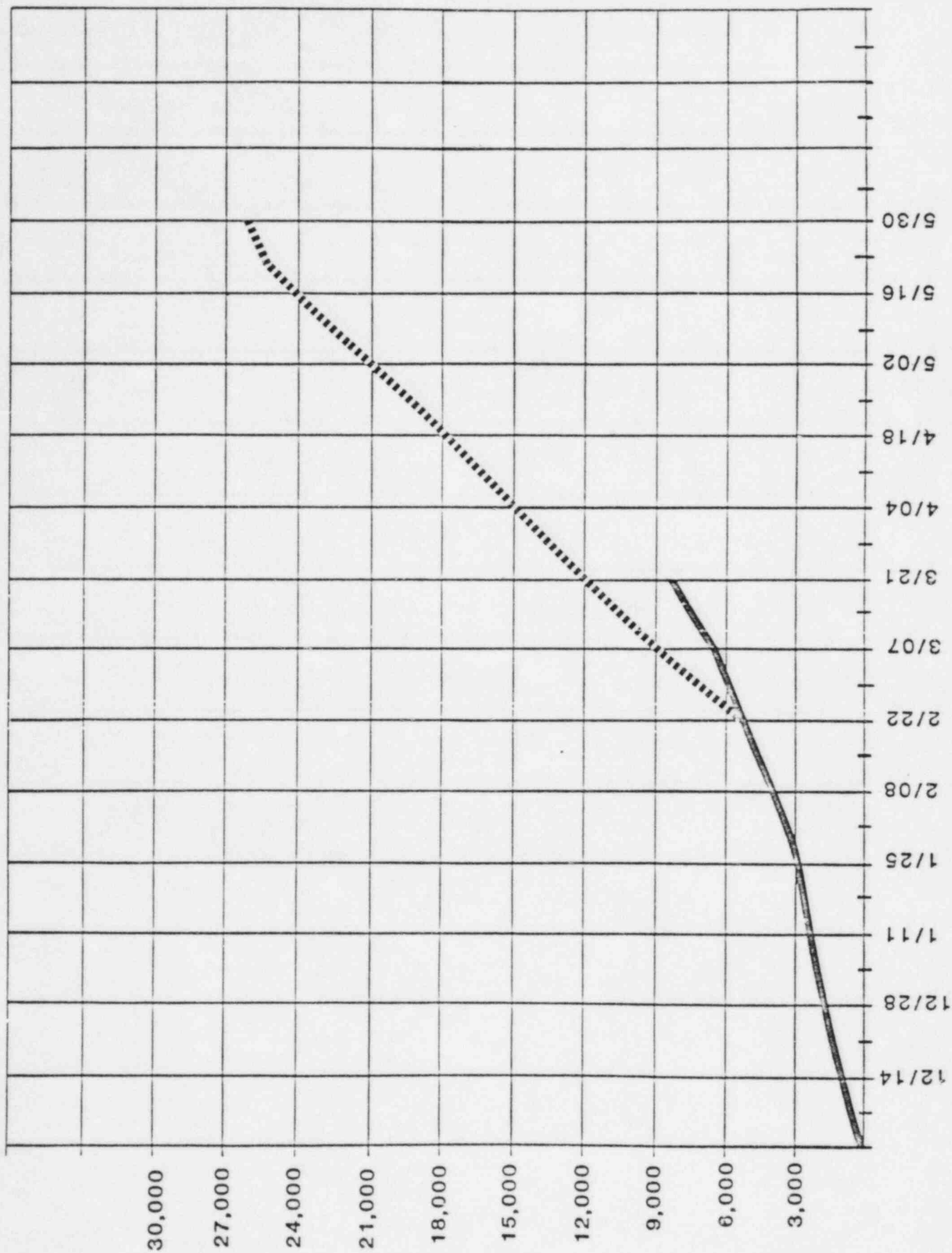
JULY

*LE	OILY WASTE
*LF	FLOOR AND EQUIPMENT DRAINS
*QA	NORMAL LIGHTING
*QB	STANDBY LIGHTING AC
* ARE RELEASED PER BUILDING TURNOVER	

Q.C. ACCEPTED ELECTRICAL SUPPORTS



Q.C. ACCEPTED ELECTRICAL SUPPORTS



PREOPERATIONAL AND SPECIAL TEST

PROCEDURE STATUS

STATUS GIVEN AS OF May 8, 1984

- (a) Total number of procedures required for fuel load. 233 procedures
- | | |
|------------------|-----|
| Preops | 148 |
| Acceptance tests | 70 |
| Energizations | 15 |
- (b) Number of draft procedures not started. 8 total
- 1) Preop
- SU3 NF03
 - SU4 SD02
- 2) Acceptance tests
- SU4 GX01
 - SU4 KB01
 - SU8 SE02
 - SU8 SF01
 - SU8 SF03
 - SU8 SF04
- (c) Number of draft procedures being written. 8 total
- 1) Preops (in rewrite or initial type)
- SU4 HF02
 - SU3 NF02
 - SU4 PK02
 - SU3 SA03
- 2) Acceptance Tests (in rewrite or initial type)
- SU4 HD01
 - SU8 0009
 - SU8 0012
 - SU9 0025

(d) Number of procedures approved:
1) Preops

182 total

SU3 AB01	SU4 CG01	SU4 HC02	SU4 PJ01
SU3 AB02A	SU4 CQ01	SU4 HE01	SU4 PK01
SU3 AB03	SU4 DA01	SU4 HF02	SU5 PQ01
SU3 AB04	SU4 EA01	SU4 HF01	SU4 QD01
SU3 AB05	SU4 EB01	SU3 JE01	SU4 QF01
SU4 AC02	SU3 EC01	SU4 KC01A	SU4 QJ01
SU4 AC03	SU3 EC02	SU4 KC01B	SU4 RM01
SU4 AD01	SU3 EF01	SU4 KC02	SU4 SD01
SU3 AE01	SU3 EG01	SU4 KC03	SU3 SJ01
SU3 AE02	SU3 EJ01	SU3 KE01	SU4 SK01
SU4 AF01	SU3 EM01	SU8 KE01	SU4 SQ02
SU3 AL01	SU3 EM02	SU3 KE02	SU3 0004
SU3 AL02	SU3 EM03	SU8 KE02	SU3 0005
SU3 AL03	SU3 EM04	SU3 KE03	SU3 0006
SU3 AL05	SU3 EN01	SU3 KE04	SU3 0009
SU4 AQ01	SU3 EN02	SU3 KE05	SU8 0005
SU3 BB01	SU3 EP01	SU3 KE06	SU8 0007.1
SU3 BB02	SU3 FC01	SU3 KE07	SU9 0023
SU3 BB04	SU4 FP03	SU3 KJ01	
SU3 BB05	SU3 GD01	SU4 LE01	
SU3 BB06	SU4 GE01	SU4 NB01	
SU3 BB07	SU3 GF01	SU4 NE01	
SU3 BB08	SU3 GF02	SU3 NF01	
SU3 BB11	SU3 GF03	SU3 NG01	
SU3 BB13	SU3 GG01	SU3 NG02	
SU3 BB14	SU4 GH01	SU3 NK01	
SU3 BB16	SU3 GK01	SU3 NN01	
SU3 BG01	SU3 GL01	SU4 PA01	
SU3 BG02	SU3 GM01	SU4 PB01	
SU3 BG03	SU3 GN01	SU4 PG01	
SU3 BG04	SU3 GN02		
SU3 BG05	SU8 GP01		
SU3 BG06	SU4 HB01		
SU4 BL01	SU4 HB02		
SU4 BM01	SU4 HC01		

2) Acceptance Tests

SU4 AK01	SU4 CZ01	SU4 KH01	SU4 SQ01
SU4 AN01	SU4 FB01	SU4 KH02	SU8 SR01
SU4 AX01	SU4 FB02	SU4 LL01	SU4 SW02
SU4 AX02	SU4 FC01	SU4 MA01	SU4 SZ02
SU8 BB12	SU4 FO01	SU4 MB01	SU4 SZ03
SU4 CA01	SU4 FP04	SU4 NT01	SU4 UU01
SU4 CB01	SU4 GA01	SU4 OX01	SU4 UU02
SU4 CC01	SU4 GB01	SU8 RJ01	SU4 VH02
SU4 CD01	SU4 GF01	SU8 RJ02	SU4 WG01
SU4 CE01	SU4 HT01	SU4 RK01	SU4 WM01
SU4 CH01	SU4 HY01	SU8 SE01	SU9 0024
SH4 CL01	SU4 KA01	SU8 SF02	
SU4 CO01	SU4 KA02	SU4 SL04	

3) Energizations

SU5 MA01	SU5 PJ01
SU5 MR01	SU5 PK01
SU5 NB01	SU5 PW01
SU5 NG01	SU5 PQ01
SU5 PA01	SU5 SL01
SU5 PB01	SU5 SL02
SU5 PG01	SU5 SL04

(e) Number of procedures in review

35 total

1) Preops

SU3 AB02B	SU4 LF01
SU3 AL04	SU4 QJ03
SU3 BB15A	SU3 SA01
SU3 BB15B	SU3 SA01
SU3 EJ02	SU3 SA02
SU3 GP01	SU3 SB01
SU3 GP02	SU4 SG01
SU3 GS01	SU3 SP01
SU3 GT01	SU3 0008
SU3 HA01	SU8 0006
SU4 HC03	SU8 0010
SU8 KE03	SU8 0011

2) Acceptance Tests

SU4 AC01
 SU8 BB03
 SU8 BB09
 SU8 BB10
 SU4 CF01
 SU4 KF01
 SU4 KF02
 SU4 LD01
 SU8 0008
 SU8 0013

3) Energizations

SU5 PK02

(f) Total number of preop, acceptance tests and energizations required for Fuel Load, identifying each:

See "Procedure Status Report". All procedures required to be complete by Fuel Load. SU4 BM01 will be used twice and either SU3 AB02A or SU3 AB02B will be used, but not both:

Preops	148	233 procedures
Acceptance tests	70	
Energizations	15	

- (g) Number of preop and acceptance tests and energizations completed, identifying each:

1) Preops

80 total

SU3 AB05	SU3 GD01	SU3 KE02
SU4 AD01	SU4 GE01	SU3 NG02
SU3 AE02	SU3 GF01	SU3 NK01
SU4 AQ01	SU3 GF02	SU4 PA01
SU3 BB01	SU3 GF03	SU4 PB01
SU3 BB11	SU3 GM01	SU4 PG01
SU4 BL01	SU3 JE01	SU4 PJ01
SU4 CG01	SU4 KA01	SU4 PK01
SU4 DA01	SU4 KA02	SU4 PN01
SU4 EB01	SU4 KC01A	SU4 QJ01
SU3 EN01	SU3 KE01	SU4 SD01
SU4 FP03	SU8 KE01	

2) Acceptance tests

SU4 AK01	SU4 CH01	SU4 GF01	SU4 SW02
SU4 AN01	SU4 CL01	SU4 HT01	SU4 SZ02
SU4 AX01	SU4 CZ01	SU4 LL01	SU4 SZ03
SU4 AX02	SU4 FB01	SU4 MB01	SU4 UU01
SU4 CA01	SU4 FB02	SU4 OX01	SU4 UU02
SU4 CB01	SU4 FC01	SU4 RK01	SU4 VH01
SU4 CD01	SU4 F001	SU4 SL04	SU4 WG01
SU4 CE01	SU4 FP04	SU4 SQ01	SU4 WM01

3) Energizations

SU5 MR01	SU5 PJ01
SU5 NB01	SU5 PK01
SU5 NG01	SU5 PN01
SU5 PA01	SU5 PQ01
SU5 PB01	SU5 SL01
SU5 PG01	SU5 SL02
	SU5 SL04

- (h) Number of preops and acceptance tests currently in progress identifying each and status:

1) Preops 13 total

SU4 AF01
SU3 AL01
SU4 CQ01
SU3 EM01
SU3 FC01
SU3 GG01
SU8 KE02
SU3 KE03
SU3 KE04
SU4 SK01

2) Acceptance tests

SU4 GA01
SU4 MA01
SU4 NT01

- (i) Number of systems and/or subsystems turned over to Startup identifying each:

See attached "Systems Turned Over to Startup" report.

248 total

- (j) Number of systems turned over to Operations group, identifying each and outstanding open items for each system.

See above referenced report for systems transferred to Operations group. Open Items in attached report.

DATE 09:01:33 RID 14 05 MAY 84 OPR

*** WOLF CREEK TRACKING SYSTEM ***

SYSTEM TURNED OVER TO STARTUP
SORT BY SYSTEM
MAY 5, 1984

SYS	DES	SYSTEM DESCRIPTION	T/O DATE	OPS T/O DATE	Q. / N. AGE
1	AB-1	MAIN STEAM (SEC HYDRO BOUNDRIES)	830723		Q B
2	AB-2	MAIN STEAM (BALANCE OF SYST.)	840221		N B
3	AC-1	MAIN TURBINE (GE SCOPE)	831001		N B
4	AC-2	MAIN TURBINE (BECHTEL SCOPE)	831201		N B
5	AD	CONDENSATE	830107	840420	N B
6	AE	MAIN FEEDWATER	830128		Q B
7	AF-1	HEATER DRAIN PUMPS & TANK	821214		N B
8	AF-2	MISC PIPING TANKS, IIX, ETC.	840203		N B
9	AK	MAIN COND PIPING	821112		N B
10	AL	AUXILIARY FEEDWATER	821123		Q B
11	AN-1	STORAGE TANKS & TRANSFER SYSTEM	820614		N B
12	AN-2	DEGASSIFIER & DEGASSIFIER PUMPS	820507		N B
13	AP	CONDENSATE TRANSFER & STORAGE	820527	821230	N B
14	AQ	CONDENSATE & FEEDWATER CHEM. CONTROL	830801		N S
15	AX-1	ACID FEED (CWSH)	820824		N S&L
16	AX-2	ACID FEED (COND. DEMIN)	820323		N S&L
17	BB	REACTOR COOLANT	840127		Q B
18	BG-1	BORON ADDITION TO CHG PUMP SUCTION	831122		Q B
19	BG-2	CHARGING & LETDOWN	831122		Q B
20	BG-3	BORON THERMAL REGENERATION	840405		Q B
21	BL	REACTOR MAKEUP WATER	821019	840420	Q B
22	BM	STEAM GENERATOR BLOWDOWN	830203		Q B
23	BN	REFUELING WATER STORAGE	821027		Q B
24	CA-1	STEAM SEALS (GE SCOPE)	830810	840410	N B
25	CA-2	STEAM SEALS (BECHTEL SCOPE)	821230	840410	N B
26	CB	MAIN TURBINE & GENERATOR LUBE. OIL	820614	840416	N B
27	CC	GENERATOR HYDROGEN	830215		N B
28	CD	GENERATOR SEAL OIL	820614	840410	N B
29	CE	STATOR COOLING	820427		N B
30	CF	LUBE OIL STORAGE, TRANSFER & PURIF.	820614		N B
31	CG	CONDENSER AIR REMOVAL	830829	840409	N B
32	CH	MAIN TURBINE CONTROL OIL	820614		N B
33	CL-1	CHLORINE	820929		N S&L
34	CL-2	CHLORINATION SYSTEM	821130		N S&L
35	CO	CARBON DIOXIDE	830722		N S&L
36	CQ-1	SITE SECURITY (S&L)	821117		N S&L
37	CQ-2	SITE SECURITY (HOAD)	840215		N S&L
38	CS-1	SITE COMMUNICATION-TELEPHONE	810618	810909	N S&L
39	CS-2	SITE COMMUNICATION-ADMIN. BLDG.	810728	810909	N S&L
40	CS-3	SITE COMMUNICATIONS-SHOP BLDG	811019	820921	N S&L
41	CS-4	SITE COMM.-CHLOR. HOUSE & F.O. PMPHOUSE	811019	820818	N S&L
42	CS-5	SITE COMM.-CIRCUL WATER SCREEN HOUSE	811027	820930	N S&L
43	CS-6	SITE COMM-MKUP SCREEN HOUSE	810618	810909	N S&L
44	CS-7	SITE COMM.-SEWAGE TREATMENT PLANT	820209	820818	N S&L
45	CS-9	SITE COMM.-H/2 & CO/2 STORAGE AREA	820209	820818	N S&L
46	CS10	SITE COMMUNICATION-BLDG. INTERCONNECT.	820323	820918	N S&L

47	CS11	SITE COMM.-GUARDHOUSE & SECUR. D/G BLD.	831003		N	S&L
48	CW	CIRC WATER SYSTEM	820831		N	S&L
49	CZ	CAUSTIC HANDLING	820928		N	S&L
50	DA	CIRCULATING WATER	821029		N	B
51	DC-1	BATTERY & DC DIST (MUSH)	800319	800908	N	S&L
52	DC-2	BATTERY & DC DIST (SHOP ADMIN, CWSH)	811012	820716	N	S&L
53	DM-1	EQUIP & FLOOR DRAINS (MUSH)	801222	810416	N	S&L
54	DM-2	EQUIP & FLOOR DRAINS (SHOP BLDG)	820111	820218	N	S&L
55	DM-3	EQUIP & FLOOR DRAINS (CWSH)	820831	820921	N	S&L
56	DM-4	EQUIP & FLOOR DRAINS (FUEL OIL BLDG)	811221	820215	N	S&L
57	DO	DIESEL FIRE PUMP FUEL OIL	820505		Q	S&L
58	EA	SERVICE WATER	820614		N	B
59	EB	TURBINE BLDG CLOSED COOLING WATER	820716	821223	N	B
60	EC-1	SPENT FUEL POOL, PUMPS, ETC.	831111		Q	B
61	EC-2	REFUEL POOL	831111		Q	B
62	EC-3	FUEL TRANSFER CANAL AND CONTROLS	831118		Q	B
63	EF-1	ESW (PIPING)	831103		Q	B
64	EF-2	ESW (PUMPS)	831109		Q	B
65	EG	COMPONENT COOLING WATER	831206		Q	B
66	EJ	RESIDUAL HEAT REMOVAL	831202		Q	B
67	EM-1	HIGH PRESSURE INJECTION	831202		Q	B
68	EM-2	BORON INJECTION	831128		Q	B
69	EN	CONTAINMENT SPRAY	840330		Q	B
70	EP	ACCUMULATOR SAFETY INJECTION	831206		Q	B
71	FA	AUXILIARY STEAM GENERATOR	820707		N	B
72	FB-1	AUX BOILER FEEDWATER SYSTEM	820630		Q	B
73	FB-2	MISC PIPING	820520		N	B
74	FB-3	REBOILER	820630		N	B
75	FC-1	AUXILIARY FEED PUMP TURBINES	831024		Q	B
76	FC-2	STEAM GENERATOR FEED PUMP TURBINE	830914		N	B
77	FC-3	AUX. TURBINES (SGFP TURBINES A&B)	831005		N	B
78	FE	AUXILIARY STEAM CHEMICAL ADDITION	820212		N	B
79	FO	FUEL OIL	820316	821110	N	S&L
80	FP1A	FIRE PROTECTION (ADMIN)	810528	821230	N	S&L
81	FP1B	FIRE PROTECTION (SHOP)	821202	821230	N	S&L
82	FP3A	FIRE PROTECTION PUMPS	821029		Q	S&L
83	FP3B	FIRE PROTECTION (MAINS AND HYDRANTS)	830203		Q	S&L
84	FP-4	FUEL OIL FOAM	820213	830621	N	S&L
85	GA	PLANT HEATING	820907		N	B
86	GB	CENTRAL CHILLED WATER	830803		N	B
87	GD	ESW PUMPHOUSE BLDG HVAC	820827		Q	B
88	GE	TURBINE BLDG HVAC	830922		Q	B
89	GF-1	AUXILIARY BOILER AIR	820209	830111	N	B
90	GF-2	TENDON ACCESS	830804	840419	N	B
91	GF-3	MAIN STEAM ENCLOSURE	830929		N	B
92	GF-4	AUXILIARY FEEDWATER PUMP ROOM COOLERS	820714	840423	Q	B
93	GF-5	MISC UNIT HEATERS	821005	830111	N	B
94	GG	FUEL HANDLING BLDG HVAC	830808		Q	B
95	GH	RADWASTE BUILDING HVAC	840501		N	B
96	GK	CONTROL BUILDING HVAC	830929		Q	B
97	GL	AUXILIARY BLDG HVAC	831001		Q	B
98	GM	DIESEL BLDG HVAC	830926	840410	Q	B
99	GN-1	CONTAINMENT COOLING	840312		Q	B
100	GR	CONTAINMENT ATMOSPHERE	840501		N	B
101	HB-1	REACTOR COOLANT DRAIN TANKS	831206		Q	B
102	HB-2	WASTE EVAPORATOR AND BALANCE	840503		Q	B
103	HB-3	CHEMICAL DRAIN TANKS AND PUMPS	840427		Q	B
104	HB-4	REVERSE OSMOSIS UNIT	840326		Q	B
105	HC-1	RESIN CHARGING TANKS	840330		Q	B
106	HC-2	SPENT RESIN TANKS AND PUMPS	840501		Q	B

107 HC-3	DECANTING, DRUMMING AND COMPACTOR	840323		Q B
108 HE	BORON RECYCLE	840330		Q B
109 HF-1	TDS TANKS AND PUMPS	820923		Q B
110 HF-2	WASTE MONITOR TANKS AND PIPING	820929		Q B
111 HF-3	DRAIN COLLECTOR TANKS	820930		Q B
112 HT-1	HEAT TRACING- CIRC. WTR SCREEN HOUSE	830426	840228	N S2L
113 HT-2	HEAT TRACING-SHOP BLDG	830426	840228	N S3L
114 HX-1	HOISTS, CRANES & ELEVATORS (SHOP & ADMIN)	820622	820702	N S2L
115 HX-2	HOISTS, CRANES & ELEVATORS (CWSH)	820826	830511	N S3L
116 HY	HYDROGEN	830722		N S2L
117 JE	EMERGENCY FUEL OIL	831026		Q B
118 KA-1	AIR COMPRESSORS AND DRYERS	820518	840423	Q B
119 KA-2	INSTRUMENT AIR PIPING	820812		Q B
120 KA-3	PLANT SERVICE AIR PIPING	820825		Q B
121 KC1A	FIRE PROTECTION WET SYS. TURB. & COMM. COR	821230		N B
122 KC1B	F.P. WET-SYS. REMAINDER OF POWER BLOCK	840313		Q B
123 KC-2	TRAN. DEL., XNB01, XNB02, XPB03, XPB04, XMR01	820930		N B
124 KC2A	FIRE PROTECTION (MULTIPLEXERS)	820416		Q B
125 KC-3	FIRE PROTECTION (DETECTORS AND ALARMS)	840220		Q B
126 KC-4	F.P. SYS-HALON 1301 (COMPUTER RM)	820422		N B
127 KC-5	F.P. SYS-HALON 1301 (LD CENT&MG SET RM)	831219		Q B
128 KC-6	F.P. SYS-HALON 1301 (ELECT PENE RM NO.1)	840405		Q B
129 KC-7	F.P. SYS-HALON 1301 (ELECT PENE RM NO.2)	840417		Q B
130 KC-8	F.P. SYS-HALON 1301 (SWITCHGEAR RMS)	840323		Q B
131 KC-9	F.P. SYS-HALON 1301 (ESF SWTGR RM NO 1&2)	840322		Q B
132 KC10	F.P. SYS-HALON 1301 CONT. RM. CBL. TRENCHES	840418		Q B
133 KE-1	FUEL HANDLING SYSTEM	830923		Q B
134 KE-2	REACTOR VESSEL SERVICE	831026		Q B
135 KH	SERVICE GASES	831215		N B
136 KJ	STANDBY DIESEL ENGINES	831122		Q B
137 LD	CHEMICAL WASTE	840320		N B
138 LL-1	LIGHTING (MUSH)	800328	810416	N S3L
139 LL2A	LIGHT (ADMIN)	810311	810515	N S3L
140 LL2B	LIGHTING (SHOP)	811123	820215	N S3L
141 LL-3	LIGHTING (CWSH)	811119	820528	N S3L
142 LL-4	LIGHTING (FENCE & ROADWAY)	830415		N S3L
143 LL-5	LIGHTING (CHLORINE BLDG)	810708	820215	N S3L
144 LL-6	LIGHTING (GUARDHOUSE)	830927		N
145 LV-1	LOW VOLTAGE (MUSH)	800328	810416	N S3L
146 LV2A	LOW VOLTAGE (ADMIN)	810310	810515	N S3L
147 LV2B	LOW VOLTAGE (SHOP)	811123	820218	N S2L
148 LV-3	LOW VOLTAGE (CWSH)	811119	820528	N S3L
149 MA-1	MAIN GENERATOR (GE SCOPE)	831018		N B
150 MA-2	MAIN GENERATOR	840106		N B
151 MB-1	EXCITATION & VOLTAGE REGUL. (GE SCOPE)	831018		N B
152 MB-2	EXCITATION & VOLT. REGULATION	831103		N B
153 MR	STARTUP TRANSFORMER	810729	821022	N B
154 NB	LOWER MEDIUM VOLTAGE (IE) 4.160KV	820414	830107	Q B
155 NE	STANDBY GENERATION	831024		Q B
156 NF	LOAD SHEDDING & EMERGENCY LOAD SEQUENCE	831128		Q B
157 NG	LOW VOLTAGE SYSTEM (IE)	820503	820913	Q B
158 NK	125 VOLT DC	810729		Q B
159 NV	INSTRUMENT AC (IE)	820311	820930	Q B
160 NT	NITROGEN	830801		N S3L
161 OX	OXYGEN	830719		N S3L
162 PA	HIGHER MEDIUM VOLTAGE 13.8KV	810729	821022	N B
163 PB	LOWER MEDIUM VOLTAGE 4.16KV	811209	821004	N B
164 PG	LOW VOLTAGE SYSTEM	820122	821007	Q B
165 PJ	250 VOLT DC	820430		Q B
166 PK-1	125 VOLT DC	810618		Q B

167 PK-2	125 VOLT DC (COMM CORRIDOR)	840501	Q B
168 PN	INSTRUMENT AC POWER	810722	820716 Q B
169 PQ	UNINTERRUPTABLE AC	820223	821110 Q B
170 QD	STANDBY LIGHTING DC	840405	Q B
171 QE	TELEPHONE SYSTEM	830325	830906 N B
172 QF-1	PUBLIC ADDRESS SYSTEM-MAINT.JACKS	821110	N B
173 QF-2	INTERCOM-PUBLIC ADDRESS SYSTEM	840330	N B
174 QF-3	ESW PUMP HOUSE-PUBLIC ADDRESS SYS.	821027	N B
175 QJ-1	HEAT TRACE (FREEZE PROTECTION)	830929	Q B
176 QJ-2	HEAT TRACE (BORON)	840412	Q B
177 RC	RAD CHEMISTRY COMPUTER	840312	N B
178 RD	METEOROLOGICAL INST	840425	840425 N B
179 RG-1	ADMIN BLDG A/C AND HUMID	810220	810515 N S&L
180 RG-2	SHOP BLDG A/C AND HUMID	810414	810909 N S&L
181 RJ-1	PLANT COMPUTER (BOP)	820629	N B
182 RJ-2	PLANT COMPUTER (NSSS)	820507	N B
183 RK	PLANT ANNUNCIATOR	810720	N B
184 RL-1	MAIN CONTROL BRD (INTERNAL)	810717	Q B
185 RL-2	MAIN CONTROL BRD (EXTERNAL)	840323	Q B
186 RM	PROCESS SAMPLING	830623	Q B
187 RP-1	MISCELLANEOUS CONTROL PANELS	810305	Q B
188 RP-2	MISCELLANEOUS CONTROL PANELS	820415	Q B
189 RR	RRIS COMPUTER SYSTEM	840113	N B
190 RT	ERFIS COMPUTER SYSTEM	831114	N B
191 SA	ENGINEERED SAFETY FEATURE ACTUATION	820922	Q B
192 SB	REACTOR PROTECTION	821222	Q B
193 SC	REACTOR INSTRUMENTATION	830325	Q B
194 SD-1	AREA RAD MONIT (FUEL BLDG)	840126	840410 Q B
195 SE-1	NEUTRON MONITORING (EX-CORE)	840319	Q B
196 SE-2	NEUTRON MONITORING (EX-CORE)	840423	
197 SF	REACTOR CONTROL	840430	Q S
198 SK	PLANT SECURITY	831226	Q B
199 SL-1	SITE AUX POWER (MUSH/MUDS)	800425	810308 N S&L
200 SL-2	SITE AUX POWER (BDDS)	800523	810416 N S&L
201 SL-3	SITE AUX POWER (SHOP AND ADMIN)	810122	810923 N S&L
202 SL-4	SITE AUX POWER (FUEL OIL PUMPHOUSE)	810909	820215 N S&L
203 SL-5	SITE AUX POWER (CWSH)	811012	821022 N S&L
204 SQ	LOOSE PARTS MONITORING	831128	Q B
205 ST-1	SEWAGE TREATMENT (SHOP & ADMIN)	811019	820218 N S&L
206 SW-1	SCREEN WASH (MUSH)	800724	810416 N S&L
207 SW-2	SCREEN WASH (CWSH)	820216	830128 N S&L
208 SY	SITE AUX POWER (SWITCHYARD)	810729	821006 N S&L
209 SZ-1	SERVICE AIR (MUSH)	830717	810304 N S&L
210 SZ-2	SERVICE AIR (CWSH)	820122	820913 N S&L
211 SZ-3	SERVICE AIR (SHOP BLDG)	810729	821109 N S&L
212 UU-1	SUPERVISORY SYSTEM (MUSH,MUDS,BDDS)	800922	830107 N S&L
213 UU-2	SUPERVISORY SYSTEM (CWSH)	820329	830107 N S&L
214 UU-3	SUPERVISORY SYSTEM (SWITCHYARD)	810724	830107 N S&L
215 VH-1	HEATING & VENTILATION (MUSH)	800424	810416 N S&L
216 VH-2	HEATING & VENTILATION (CWSH)	820715	831017 N S&L
217 VJ	HEATING & VENTILATION (MACHING SHOP)	810513	820317 N S&L
218 VL	HEATING & VENTILATION(SHOP BLDG OFFICE)	810414	810909 N S&L
219 VS	HEATING & VENTILATION (ADMIN BLDG)	810220	810515 N S&L
220 VV-1	HEATING & VENTILATION (BDDS)	800714	810416 N S&L
221 VV-2	HEAT & VENT(SHOP BLDG WATER TREAT AREA)	810501	820318 N S&L
222 VV-3	HEAT & VENT (FUEL OIL PUMPHOUSE)	810909	820215 N S&L
223 WD-1	DOMESTIC WATER ADMIN BLDG	810416	810515 N S&L
224 WD-2	DOMESTIC WATER SHOP	820630	830128 N S&L
225 WG	GLAND WATER	820305	821210 N S&L
226 WL-1	COOL. LAKE MU (FOR UHS FILL)	800430	810416 N S&L

227 WL-2 COOL. LK MU & BLOWDOWN
 228 WM-1 DEMINERALIZED WATER
 229 WM-2 DEMINERALIZED WATER
 230 WS SERVICE WATER
 231 WZ RADIOACTIVE LIQUID RELEASE
 232 ZA ULT. HEAT SINK & ESWS DISCH STRUCTURE
 233 ZB BLOWDOWN DISCHARGE STRUCTURE
 234 ZC CIRC WATER SCREENHOUSE
 235 ZD CIRC WATER DISCHARGE STRUCTURE
 236 ZE ESWS PUMPHOUSE
 237 ZH FO PUMPHOUSE
 238 ZK MAKEUP DISCHARGE STRUCTURE
 239 ZL LAKE AND SLUDGE POND
 240 ZM MAKEUP SCREENHOUSE
 241 ZN ADMINISTRATION BUILDING
 242 ZP-1 SHOP BUILDING
 243 ZP-2 CHLORINE BLDG
 244 ZR SITE RAILROAD
 245 Z-5 DIESEL GENERATOR BUILDING
 246 Z-6 FUEL BUILDING
 247 EDUCATION CENTER BLDG
 248 TECHNICAL SUPPORT BLDG

800925 810416 N S&L
 800502 810304 N S&L
 810817 830128 N S&L
 820604 N S&L
 830405 830428 N S&L
 820426 820706 Q S&L
 810113 820304 N S&L
 820831 820920 N S&L
 820413 820513 N S&L
 840409 Q B
 820415 821022 N S&L
 810113 810304 N S&L
 810121 810304 N S&L
 810119 810423 N S&L
 810403 810515 N S&L
 810617 810630 N S&L
 811221 820218 N S&L
 800828 810304 N S&L
 840420 Q B
 840315 840410 Q B
 840425 840425
 840425 840425

PS155	WOLF CREEK STARTUP SYSTEM - PROCEDURE STATUS REPORTS	PAGE 1														
PROCED.	R.F.M.RSP.	REWRITE	TECH.	REV.	INITL	TYPE	EXTNRL	REV	RESOLVE	COM.	J.I.G.	APPROVAL	TO NPC	TEST PERFM	SPCL	
NUM	V.A.S	SPV	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT
030004	O Y 5	SWS	40116	31101	40208	31219	40222	40206	40226	40316	40304	40322	40311	40326	40330	40403
030005	O Y 5	SWS	40207	31101	40226	31214	40313	31121	40317	40116	40324	40330	40331	40406	40410	40416
080005	L N O	JCG	31222	11111	40112	40220	40126	40130	40220	40206	40229	40213	40304	40223	40309	40301
080005	O N O	JCG	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	31229	11111	11111
030006	O Y 3	JCG	40329	30401	40419	40106	40503	31216	40507	40412	40514	40521	40607	40531	40606	
060006	O N 5	CAO	40221	40217	40313	40410	40327	40403	40331	40417	40407	40414	40424	40501	40501	
030006	O Y 5	CAO	40310	40104	40331	40423	40414	40405	40416	40425	40425	40502	40512	40519	40716	
080006	O N 5	CAO	40311	40215	40401	40409	40415	40405	40419	40413	40426	11111	40513	40520	40520	
060009	O N 5	CAO	40221	40215	40313	40329	40331	40407	40424	40501	40501	40529	40605	40605		
030009	O Y 3	EJH	31224	40109	40119	40120	40202	40119	40206	40216	40213	40306	40309	40301	40308	40313
080010	O N 5	CAO	40316	40227	40406	40315	40422	40309	40426	40430	40503	40510	40520	40527	40527	
060011	O N 5	CAO	40316	40210	40406	40416	40422	40406	40426	40426	40503	40510	40520	40527	40527	
060012	O N 5	CAO	40316	40207	40406	40422	40426	40426	40426	40503	40512	40519	40529	40605	40605	
090023	O Y 5	SWS	40131	31220	40221	40105	40306	31229	40310	40125	40317	40413	40324	40413	40410	40417
090024	O N 4	RMA	40316	40131	40406	40211	40422	40209	40426	40224	40503	40326	11111	40520	40406	40527
090025	O N 5	CAO	40316	40227	40406	40422	40426	40426	40426	40503	40503	11111	40520	40527	40527	
060076	O Y 5	SWS	40119	40301	40209	40410	40223	40405	40227	40423	40305	40430	40312	40322	40329	40526
034801	C Y 6	SWS	31113	31125	31204	31222	31216	31212	31222	31226	31229	40115	40105	40116	40115	40122
034803	O Y 6	SWS	31129	31202	31220	31222	40103	31212	40107	40105	40114	40202	40121	40203	40131	40206
034804	O Y 5	SWS	40209	31126	40301	31219	40315	31212	40319	40106	40326	40411	40402	40417	40412	40419
034805	L Y 9	SWS	11111													

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PROCED.	R.F.M.	RSP.	REWRITE	TECH.	REV.	INITIAL	E.	EXTRNL	REV.	RESOLVE	COM.	J.T.G.	APPROVAL	TO NRC	TEST PERFM	SPCL
NUM	V.A.S.	SPV.	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT	SCHED.	ACT
04A001	O	Y	9	EJH	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	31027 P
03A001	O	Y	9	EJH	40224	31002	40316	31209	40330	31123	40403	31206	40410	40113	40417	40127 40703
03A002	O	Y	9	EJH	31103	30730	31124	31226	31206	31115	31212	31130	31219	40110	31226	40114 40112 40312 40312 P
04A001	O	Y	9	EJH	31204	31104	31230	31107	40113	40127	40117	40206	40124	40227	40131	40302 40302 40417
04A001	O	N	9	SWS	40106	30115	40129	40316	40212	40313	40216	40316	40223	40326	40301	40318 40331 P
03A001	Y	9	CAO	31229	30201	40119	31115	40202	31107	40206	40116	40213	40223	40220	40301	40302 40308 40420 P
03A001	O	Y	9	CAO	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	31026 11111
03A002	O	Y	5	CAO	40226	31215	40318	40124	40401	40116	40405	40404	40412	40430	40419	40506 40705
03A003	O	Y	5	CAO	31129	30821	31220	31122	40103	31201	40107	31122	40114	40130	40121	40202 40131 40202 40207 40203 40407
03A004	O	Y	5	CAO	40302	40104	40323	40406	40425	40410	40417	40424	40504	40511	40710	40710
03A005	O	Y	9	CAO	40227	30825	40319	31215	40402	31202	40406	31215	40413	40426	40420	40427 40507 40430 40706
04A001	O	N	1	SWS	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	21123 11111 21124 11111 30217 P
04A001	Y	9	EJH	31216	40207	40106	40301	40120	40224	40124	40301	40311	40312	40207	40313	40217 40314 11111 11111 40224 40324 P
04A001	O	Y	9	EJH	30917	31012	31008	31109	31022	31017	31026	31028	31102	31106	31109	31108 31119 31123 31126 31125 40125
04A001	2	N	6	JBH	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	30822 11111 30823 P
04A002	O	N	9	SWS	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	00105 11111 30915 P
388154	O	Y	5	CAO	40221	31013	40313	40405	40327	40331	40331	40425	40407	40414	40424	40501 40630
388158	O	Y	5	EJH	40315	40310	40405	40403	40419	40327	40423	40430	40507	40517	40524	40723
038801	Y	6	CAO	30614	11111	30904	11111	30916	40109	30922	11111	30929	11111	31006	40113	31016 40114 31023 40114 31222 40125 P
038801	O	Y	8	CAO	11111	11111	11111	31128	11111	31130	11111	31003	11111	31206	11111	31210 11111 31213 11111 31214 11111
038802	O	Y	5	CAO	31129	30610	31220	40102	40103	30612	40107	40206	40114	40221	40121	40224 40131 40204 40207 40228 40407
088803	O	N	5	CAO	40414	30610	40505	40102	40519	30615	40523	31015	40530	40606	40616	40623
038804	O	Y	5	CAO	40205	31013	40226	40120	40311	40109	40315	40403	40322	40416	40329	40417 40406 40417 40415 40418 40614
038805	O	Y	5	CAO	40116	31013	40206	40120	40222	40110	40226	40207	40304	40326	40311	40403 40321 40404 40328 40405 40527
038806	O	Y	5	SWS	40118	31214	40208	40116	40222	31226	40226	40207	40304	40319	40311	40322 40321 40323 40328 40326 40527
038807	O	Y	5	CAO	40202	31013	40223	40111	40306	31102	40312	40327	40319	40411	40326	40412 40405 40413 40412 40417 40611
038808	O	Y	5	CAO	40204	31013	40225	40106	40310	31227	40314	40326	40321	40410	40326	40412 40407 40413 40414 40417 40613
088809	O	N	5	CAO	40414	31013	40505	40111	40519	40102	40523	40419	40530	40606	40616	40623
088810	O	N	5	CAO	40415	31013	40506	40427	40520	40424	40524	40531	40607	40617	40624	40624

..PS155 ** WOLF CREEK STARTUP SYSTEM - PROCEDURE STATUS REPORTS ** PAGE 6

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* PROCED. R.F.M.RSP. REWRITE TECH. REV. INITL TYPE EXTRNL REV RESOLVE COM J.T.G. APPROVAL TO NRC TEST PERFM SPCL
* NUM V.A.S.SP.V.SCHED ACT SCHED ACT SCHED ACT SCHED ACT SCHED ACT SCHED ACT SCHED ACT SCHED ACT CODE

04HC02 D Y 3 JBN 40330 40110 40420 40302 40504 40229 40508 40320 40515 40412 40522 40412 40601 40413 40608 40417 40807

04HC03 0. Y. 3 J9H 40309 40125 40330 40402 40413 40315 40417 40424 40424 40501 40511 40518 40717

040001 0 N 3 JBN 40529 40320 40619 40703 40707 40714 40721 40731 40807

04HE01 0 N 8 EJM 40206 31025 40227 31114 40312 31101 40316 40209 40323 40330 40330 40405 40409 40406 40416

04HE02 0 N 8 EJH 40226 31025 40318 31114 40401 31103 40405 40125 40412 40412 40419 40416 40429 40417 40506

04HF01 0 N 9 JBN 31218 30917 40106 31216 40122 31013 40126 31115 40202 40115 40209 40223 40219 40223 40312

04HF02 0 N 3 J8H 40403 40307 40474 40508 40512 40519 40526 40605 40612

[illegible]

04HY01 0 N 9 EJM 31219 31220 40109 40110 40123 40105 40127 40214 40203 40228 40210 40229 40220 40301 40301

03JED1 1 Y 7 JPB 31228 11111 40118 40125 40201 40123 40205 11111 40212 40204 40219 40206 40229 40208 11111 40208 40307 40329

[illegible][illegible]

048203 D M 6 W 10334-1934-1 30819 11111 31020 P

[illegible]

048603 0 8 5 6 7 31303 31308 31333

[illegible][illegible]

03K501 1 X H 104 11111 11111 11111

03KE01	Q	Y	4	JRH	31021	31117	31111	31117	31125	31121	31111	31111	31111	40321	11111	40328	11111	11111	40328	40330	P
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08KE01 0 N 4 JBM 40109 40215 40130 40226 40213 40225 40217 40229 40224 40314 40302 40315 40312 40315 40319 40403 P

03K02 0 Y 4 JBN 31012 31011 31102 31110 31116 31028 31120 31110 31127 31202 31204 31214 31214 31220 31221 31220 40217 40219 P

08KE02 0 N 4 JBH 40110 40215 40131 40312 40214 40307 40218 40320 40225 40322 40303 40323 40313 40323 40320 40415 P

03K003 Q.Y. 8 JBH 31027 31011 31117 31223 31201 31214 31205 31223 31212 31229 31219 40109 31229 40109 40105 40110 40305 40413 P

08XEO3 0 N 4 J8H 40326 40321 40416 40424 40430 40420 40504 40511 40518 40528 40604

03K04_1_Y_4 J8H 40216 11111 40308 11111 40322 40419 40326 40423 40402 40424 40409 40425 40419 40425 40426

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31203 31204 31205 31206 31207 31208 31209 31210 31211 31212 31213 31214 31215 31216 31217 31218 31219 31220 31221 31222 31223 31224 31225 31226 31227 31228 31229 31230 31231 31232 31233 31234 31235 31236 31237 31238 31239 31240 31241 31242 31243 31244 31245 31246 31247 31248 31249 31250 31251 31252 31253 31254 31255 31256 31257 31258 31259 31260 31261 31262 31263 31264 31265 31266 31267 31268 31269 31270 31271 31272 31273 31274 31275 31276 31277 31278 31279 31280 31281 31282 31283 31284 31285 31286 31287 31288 31289 31290 31291 31292 31293 31294 31295 31296 31297 31298 31299 31300 31301 31302 31303 31304 31305 31306 31307 31308 31309 31310 31311 31312 31313 31314 31315 31316 31317 31318 31319 31320 31321 31322 31323 31324 31325 31326 31327 31328 31329 31330 31331 31332 31333 31334 31335 31336 31337 31338 31339 31340 31341 31342 31343 31344 31345 31346 31347 31348 31349 31350 31351 31352 31353 31354 31355 31356 31357 31358 31359 31360 31361 31362 31363 31364 31365 31366 31367 31368 31369 31370 31371 31372 31373 31374 31375 31376 31377 31378 31379 31380 31381 31382 31383 31384 31385 31386 31387 31388 31389 31390 31391 31392 31393 31394 31395 31396 31397 31398 31399 31400 31401 31402 31403 31404 31405 31406 31407 31408 31409 31410 31411 31412 31413 31414 31415 31416 31417 31418 31419 31420 31421 31422 31423 31424 31425 31426 31427 31428 31429 31430 31431 31432 31433 31434 31435 31436 31437 31438 31439 31440 31441 31442 31443 31444 31445 31446 31447 31448 31449 31450 31451 31452 31453 31454 31455 31456 31457 31458 31459 31460 31461 31462 31463 31464 31465 31466 31467 31468 31469 31470 31471 31472 31473 31474 31475 31476 31477 31478 31479 31480 31481 31482 31483 31484 31485 31486 31487 31488 31489 31490 31491 31492 31493 31494 31495 31496 31497 31498 31499 31500 31501 31502 31503 31504 31505 31506 31507 31508 31509 31510 31511 31512 31513 31514 31515 31516 31517 31518 31519 31520 31521 31522 31523 31524 31525 31526 31527 31528 31529 31530 31531 31532 31533 31534 31535 31536 31537 31538 31539 31540 31541 31542 31543 31544 31545 31546 31547 31548 31549 31550 31551 31552 31553 31554 31555 31556 31557 31558 31559 31560 31561 31562 31563 31564 31565 31566 31567 31568 31569 31570 31571 31572 31573 31574 31575 31576 31577 31578 31579 31580 31581 31582 31583 31584 31585 31586 31587 31588 31589 31590 31591 31592 31593 31594 31595 31596 31597 31598 31599 31600 31601 31602 31603 31604 31605 31606 31607 31608 31609 31610 31611 31612 31613 31614 31615 31616 31617 31618 31619 31620 31621 31622 31623 31624 31625 31626 31627 31628 31629 31630 31631 31632 31633 31634 31635 31636 31637 31638 31639 31640 31641 31642 31643 31644 31645 31646 31647 31648 31649 31650 31651 31652 31653 31654 31655 31656 31657 31658 31659 31660 31661 31662 31663 31664 31665 31666 31667 31668 31669 31670 31671 31672 31673 31674 31675 31676 31677 31678 31679 31680 31681 31682 31683 31684 31685 31686 31687 31688 31689 31690 31691 31692 31693 31694 31695 31696 31697 31698 31699 31700 31701 31702 31703 31704 31705 31706 31707 31708 31709 31710 31711 31712 31713 31714 31715 31716 31717 31718 31719 31720 31721 31722 31723 31724 31725 31726 31727 31728 31729 31730 31731 31732 31733 31734 31735 31736 31737 31738 31739 31740 31741 31742 31743 31744 31745 31746 31747 31748 31749 31750 31751 31752 31753 31754 31755 31756 31757 31758 31759 31760 31761 31762 31763 31764 31765 31766 31767 31768 31769 31770 31771 31772 31773 31774 31775 31776 31777 31778 31779 31780 31781 31782 31783 31784 31785 31786 31787 31788 31789 31790 31791 31792 31793 31794 31795 31796 31797 31798 31799 31800 31801 31802 31803 31804 31805 31806 31807 31808 31809 31810 31811 31812 31813 31814 31815 31816 31817 31818 31819 31820 31821 31822 31823 31824 31825 31826 31827 31828 31829 31830 31831 31832 31833 31834 31835 31836 31837 31838 31839 31840 31841 31842 31843 31844 31845 31846 31847 31848 31849 31850 31851 31852 31853 31854 31855 31856 31857 31858 31859 31860 31861 31862 31863 31864 31865 31866 31867 31868 31869 31870 31871 31872 31873 31874 31875 31876 31877 31878 31879 31880 31881 31882 31883 31884 31

MAY 1, 1984

SORT BY PROCEDURE NUMBER

MAY 1, 1984

• RESOLVE CO

• SCHEDULE ACT

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5 40330 4041

9 40205 4031

5 45134 4538

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Keywords: child sexual abuse; disclosure; social support; coping strategies

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817

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MAY 1, 1984																	
PROCED. R.F.M.RSP. REWRITE TECH. REV. INITL TYPE EXIPNL REV. RESOLVE COM. J.T.G. APPROVAL TO NRC TEST PERFM SPCL																	
NUM V.A.S.SPV.SCHED. ACT SCHED																	

PS155 ** WOLF CREEK STARTUP SYSTEM - PROCEDURE STATUS REPORTS ** PAGE 10

MAY 1, 1984

*PROCED.R.F.H.RSP. REWRITE TECH. REV. INITL TYPE EXTRNL REV. RESOLVE COM. J.T.G. APPROVAL TO HRC TEST PERFM SPCL
*NUM V.A.S.SP.V.SCHED. ACT SCHED. ACT SCHED. ACT SCHED. ACT SCHED. ACT SCHED. ACT SCHED. ACT SCHED. ACT CODE

* 04SZ01	D N Q AOS	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	20907	11111	20916	V
* 04U001	D N Q RMA	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	10814	11111	30107	V
* 04U002	D N Q RMA	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	20118	11111	30107	V
* 04VM02	D N Q SWS	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	10416		
* 04WG01	D M Q THG	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	20123	11111	21210	V
* 04WM01	D M Q THG	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	20831	11111	30128	V

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TOTALS FOR SORT BY PROCEDURE LIST		MAY 1, 1984									
TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
PROCEDURES	REWRITE	TECH-REV	INIT TYPE	EXINL	RESOLVE	J-1-G	APPROVAL	NRC	TEST PERFM		
232	224*	216*	217*	198*	179*	173*	177*	105*	88*		

***** END REPORT *****

TO GO PREOP TEST SCHEDULE DATES

PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU3 AB01	STEAM DUMP SYSTEM PREOP	5-10	5-24	15
SU3 AB02A	MAIN STEAM SAFETY VALVE TEST	8-5	8-6	2
SU3 AB02B	MAIN STEAM SAFETY VALVE TEST	8-5	8-6	2
SU3 AB03	MAIN STEAM ISOLATION VALVE TEST	5-24	5-31	8
SU3 AB04	MAIN STEAM SYSTEM PREOP	7-7	8-5	29
SU4 AC01	INITIAL TURBINE ROLL	7-30	8-2	4
SU4 AC02	TURBINE TRIP TEST	6-1	6-13	13
SU4 AC03	TURBINE SYSTEM COLD TEST	5-25	6-9	15
SU3 AE01	MAIN FEEDWATER SYSTEM PREOP	7-22	7-28	7
SU4 AF01	SECONDARY VENT & DRAIN SYSTEM TEST	5-16	6-1	16
SU3 AL02	AUX. FEEDWATER TURBINE PUMP TEST	7-24	7-25	2
SU3 AL03	AUX. FEEDWATER MOTOR PUMP ENDURANCE TEST	5-12	5-19	8
SU3 AL04	AUX. FEEDWATER WATER HAMMER TEST	7-29	7-30	2
SU3 AL05	AUX. FEEDWATER TURBINE PUMP ENDURANCE TEST	7-25	7-29	5
SU3 BB02	PRT COLD PREOP	6-2	6-9	8
SU8 BB03	RTD BYPASS FLOW TEST	7-12	7-13	2
SU3 BB04	PRESSURIZER PRESSURE CONTROL TEST	7-3	7-5	3
SU3 BB05	REACTOR COOLANT SYSTEM HOT PREOP	6-24	8-11	49
SU3 BB06	THERMAL EXPANSION TEST	6-24	8-11	49

TO GO PREOP TEST SCHEDULE DATES

PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU3 BB07	PRESSURIZER LEVEL CONTROL TEST	6-30	7-2	3
SU3 BB08	PRESSURIZER HEATER/SPRAY CAPACITY TEST	7-2	8-11	42
SU8 BB09	REACTOR COOLANT SYSTEM FLOW TEST	7-12	7-13	2
SU8 BB10	REACTOR COOLANT SYSTEM FLOW COAST DOWN TEST	7-13	7-15	3
SU3 BB12	PRESSURIZER CONTROL SPRAY FLOW VERIFICATION TEST	6-28	6-30	3
SU3 BB13	PRESSURIZER RELIEF VALVE/PRT HOT TEST	7-5	7-9	5
SU3 BB14	REACTOR COOLANT SYSTEM DYNAMIC TEST	7-13	7-15	3
SU3 BB15A	RCS WATER INVENTORY LEAK RATE	7-19	7-20	2
SU3 BB15B	LEAK DETECTION SYSTEM	8-13	9-3	22
SU3 BB16	RTD/TC CROSS CALIBRATION TEST	6-17	6-28	12
SU3 BG01	CVCS MAJOR COMPONENT TEST	5-17	5-23	7
SU3 BG02	SEAL INJECTION PREOP	6-10	6-16	7
SU3 BG03	CHARGING SYSTEM PREOP	6-2	6-8	7
SU3 BG04	LETDOWN SYSTEM PREOP	6-15	6-22	8
SU3 BG05	BORIC ACID BLENDING TEST	5-23	6-15	23
SU3 BG06	CVCS HOT TEST	7-10	7-30	21
SU4 BM01	STEAM GENERATOR BLOWDOWN SYSTEM PREOP	5-27	6-3	8
SU4 CC01	GENERATOR GAS SYSTEM PREOP	5-20	5-26	7
SU4 CF01	LUBE OIL STORAGE AND TRANSFER PREOP	5-14	5-18	5

TO GO PREOP TEST SCHEDULE DATES

PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU4 CO01	CARBON DIOXIDE SYSTEM	5-4	5-11	8
SU4 EA01	SERVICE WATER PREOP	5-22	6-9	18
SU3 EC01	SPENT FUEL POOL COOLING PURIFICATION PREOP	5-16	6-11	26
SU3 EC02	SPENT FUEL POOL LEAK TEST	5-4	5-10	7
SU3 EF01	ESSENTIAL SERVICE WATER SYSTEM PREOP	5-1	5-22	22
SU3 EG01	COMPONENT COOLING WATER SYSTEM PREOP	5-23	6-10	18
SU3 EJ01	RESIDUAL HEAT REMOVAL COLD PREOP	5-11	5-27	17
SU3 EJ02	RESIDUAL HEAT REMOVAL HOT PREOP	8-5	8-8	4
SU3 EM02	SAFETY INJECTION FLOW VERIFICATION	5-23	6-2	10
SU3 EM03	SAFETY INJECTION CHECK VALVE TEST	7-15	8-6	22
SU3 EM04	BORON INJECTION TANK AND RECIRC PUMP TEST	6-7	6-15	9
SU3 EN02	CONTAINMENT SPRAY SYSTEM PREOP	5-26	6-5	10
SU3 EP01	ACCUMULATOR SAFETY INJECTION ACCUMULATOR TEST.	5-10	6-9	30
SU3 FC01	SGFP TURBINE PREOP	4-30	5-13	13
SU4 GB01	CHILLED WATER SYSTEM PREOP	4-30	5-21	21
SU4 GH01	RADWASTE BLDG HVAC PREOP	8-14	9-10	27
SU3 GK01	CONTROL BLDG HVAC PREOP	4-30	5-19	20
SU3 GL01	AUX. BLDG HVAC PREOP	4-30	5-27	27

TO GO PREOP TEST SCHEDULE DATES

PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU3 GN01	CONTAINMENT COOLING SYSTEM PREOP	6-28	8-5	39
SU3 GN02	CRDM COOLING PREOP	6-28	8-5	39
SU3 GP01	INTEGRATED LEAK RATE TEST (SU3 0001 in FSAR)	8-15	8-18	4
SU3 GP02	STRUCTURAL INTEGRITY TEST (SU3 0003 in FSAR)	8-12	8-15	4
SU3 GS01	POST-ACCIDENT HYDROGEN REMOVAL SYSTEM PREOP	8-12	8-25	14
SU3 GT01	CONTAINMENT PURGE SYSTEM PREOP	8-27	9-10	15
SU4 GX01	GROUNDING SYSTEM PREOP TEST	8-14	8-31	18
SU3 HA01	GASEOUS RADWASTE PREOP	9-10	9-30	21
SU4 HB01	LIQUID RADWASTE SYSTEM PREOPERATIONAL TEST	5-25	6-8	14
SU4 HB02	WASTE EVAPORATOR	6-8	6-16	9
SU4 HC01	SOLID RADWASTE SYSTEM PREOP	7-1	8-4	35
SU4 HC02	SOLID RADWASTE FILTER HANDLING PREOP	8-28	9-17	20
SU4 HC03	RESIN TRANSFER PREOP	8-5	8-25	22
SU4 HD01	DECONTAMINATION SYSTEM PREOP	8-28	9-10	14
SU4 HE01	BORON RECYCLE SYSTEM PREOP	6-2	6-22	21
SU4 HE02	BORON RECYCLE EVAPORATOR TEST	6-23	7-4	11
SU4 HF01	SECONDARY LIQUID WASTE PREOP	5-7	5-18	11
SU4 HF02	SECONDARY LIQUID WASTE EVAPORATOR PREOP	7-1	7-21	22
SU4 HY01	HYDROGEN SYSTEM	5-1	5-8	8

TO GO PREOP TEST SCHEDULE DATES

PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU4 KB01	BREATHING AIR SYSTEM	9-30	9-30	1
SU4 KC01B	FIRE PROTECTION POWER BLOCK WET PIPING PREOP	5-12	5-26	15
SU4 KC02	FIRE PROTECTION SYSTEM HALON PREOP	5-24	6-12	19
SU4 KC03	FIRE PROTECTION SYSTEM DETECTION AND ALARM PREOP	5-24	6-5	12
SU8 KE03	POLAR CRANE LOAD TEST	8-9	8-11	3
SU3 KE05	REFUELING MACHINE CHANGE FIXTURE PREOP	6-2	6-5	4
SU3 KE06	REFUELING MACHINE INDEXING TEST	6-5	6-6	2
SU3 KE07	PREOP INTEGRATED OPERATION OF FUEL HANDLING SYSTEM	6-11	6-14	4
SU4 KF01	PREOP TEST BRIDGE CRANES	8-27	9-8	13
SU4 KF02	PREOP TEST J.B. CRANES, HOISTS	8-27	9-8	13
SU4 KH01	HYDROGEN SUPPLY PREOP	5-9	5-20	11
SU4 KH02	SERVICE GASES	4-30	5-9	10
SU3 KJ01	DIESEL GENERATOR MECHANICAL PREOP	5-9	5-25	14
SU4 LD01	CHEMICAL WASTE SYSTEM PREOP	6-15	6-22	8
SU4 LE01	OILY WASTE SYSTEM PREOP	5-25	6-15	21
SU4 LF01	FLOOR AND EQUIPMENT DRAIN SYSTEM PREOP	8-12	9-5	25
SU4 MA01	STATIC GENERATOR TEST	4-30	5-15	16
SU5 MA01	MAIN GENERATOR SYSTEM ENERGIZATON	5-15	5-23	9
SU3 NB01	4160 V CLASS IE SYSTEM PREOP	6-11	6-18	8

TO GO PREOP TEST SCHEDULE DATES

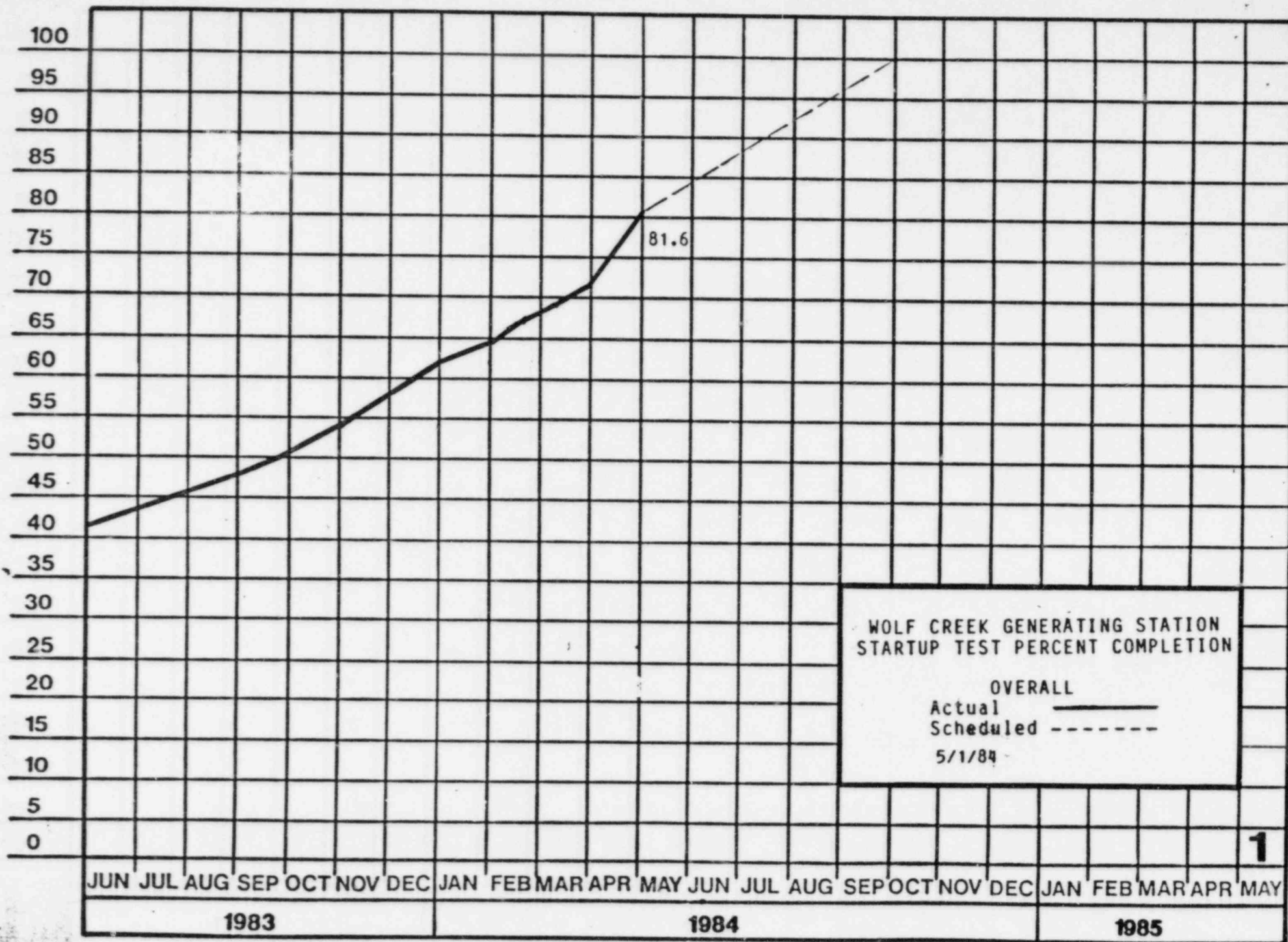
PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU3 NE01	DIESEL GENERATOR ELECTRICAL PREOP	5-29	6-23	25
SU3 NF01	LOAD SHEDDING AND LOAD SEQUENCER	8-12	9-1	21
SU3 NF02	LOCA SEQUENCER PREOP TEST	9-3	9-17	15
SU3 NF03	SHUTDOWN SEQUENCER PREOP TEST	9-3	9-17	15
SU3 NG01	480 V CLASS IE SYSTEM PREOP	6-11	6-18	8
SU3 NN01	INSTRUMENT AC SYSTEM CLASS IE PREOP	5-23	5-30	8
SU4 PK02	125V NON CLASS IE DC SYSTEM PREOP (DCP-49)	6-1	6-6	6
SU5 PK02	125 V NON CLASS IE DC SYSTEM ENERGIZATION (DCP-49)	5-14	5-19	6
SU4 QD01	EMERGENCY LIGHTING SYSTEM PREOP	5-7	5-21	15
SU4 QF01	PUBLIC ADDRESS SYSTEM PREOP	5-5	5-26	22
SU4 QJ03	HEAT TRACE (AIRBORNE PROCESS RAD MONITORS)	7-28	8-3	7
SU8 RJ01	PLANT COMPUTER POINT VERIFICATION	data verification		
SU8 RJ02	PLANT COMPUTER (NSSS) ACCEPTANCE TEST	5-20	8-18	90
SU4 RM01	PROCESS SAMPLING	7-20	7-25	6
SU3 SA01	ENGINEERED SAFEGUARDS (NSSS) PREOP	8-12	9-2	21
SU8 SA01	ENGNRD SAFGRDS FEATURES STATUS PANEL/FIELD INPUT VERIF.	9-5	data verification	
SU3 SA02	ENGINEERED SAFEGUARDS (BOP) PREOP	7-21	8-11	21
SU3 SA03	ENGINEERED SAFEGUARDS	8-4	9-9	36
SU3 SB01	REACTOR PROTECTION LOGIC TEST	8-14	9-10	27

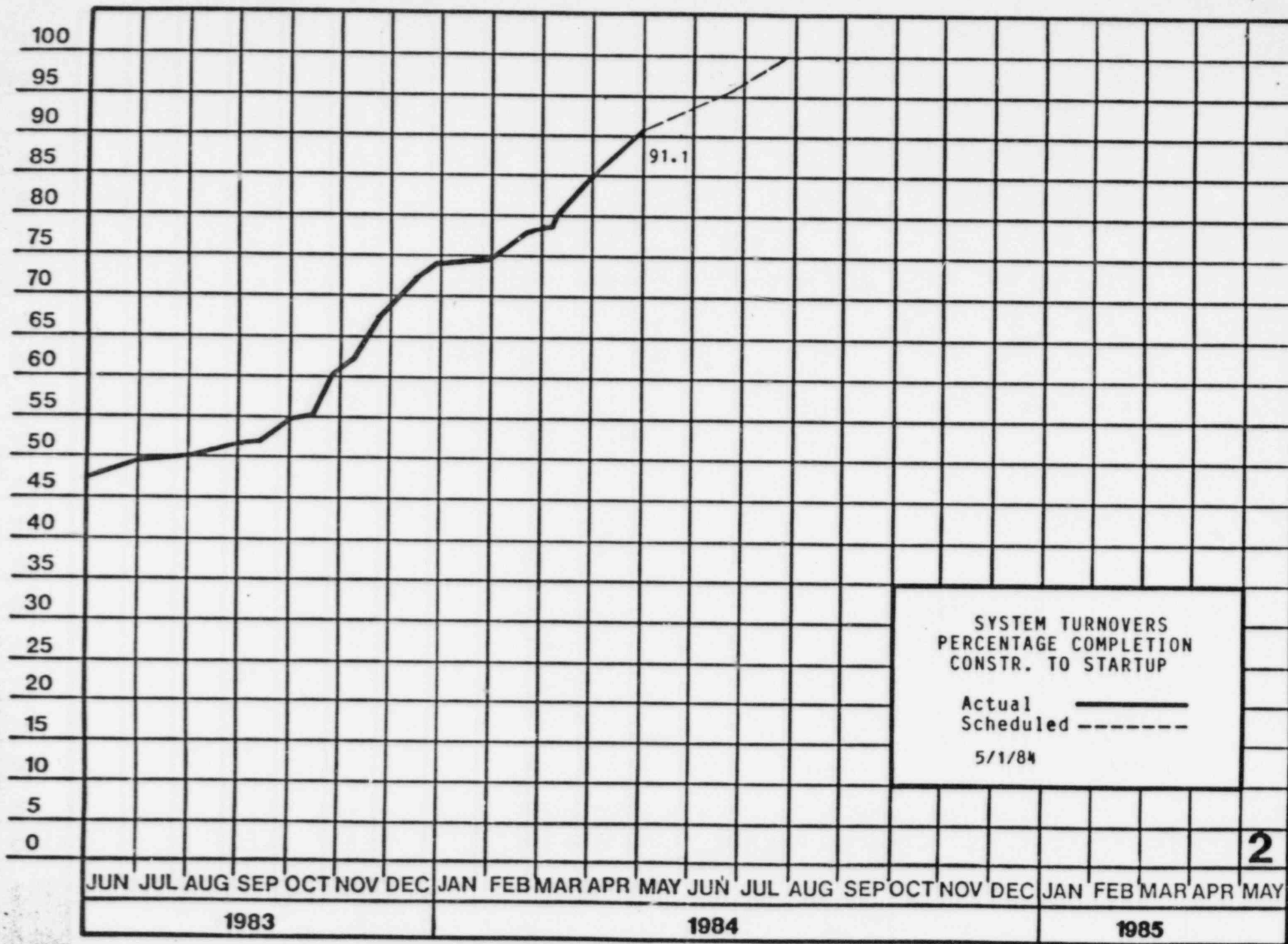
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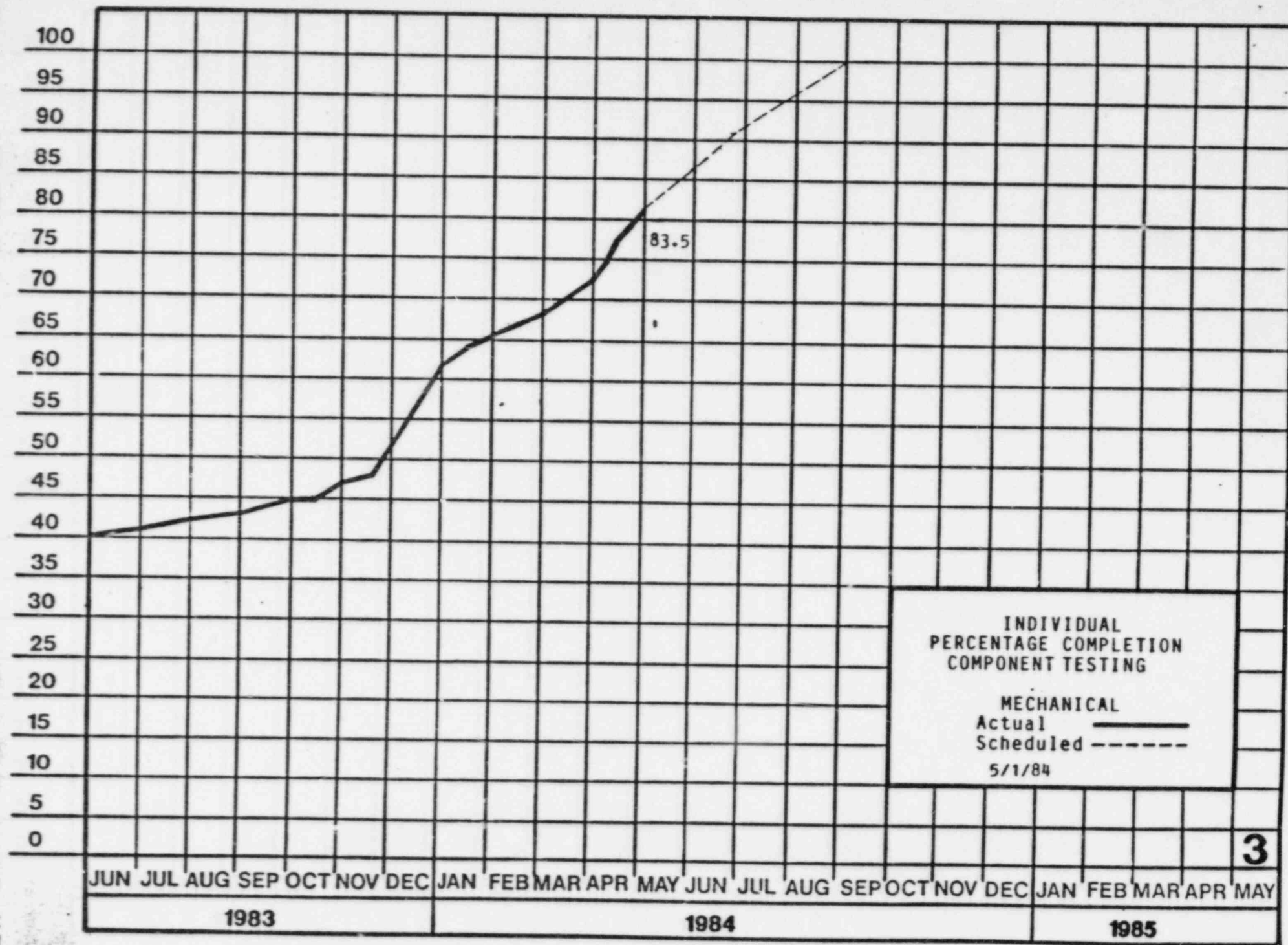
PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU4 SD02	AREA RADIATION MONITORING SYSTEM PREOP (BOP)	9-18	9-30	13
SU8 SE01	NEUTRON MONITORING INDICATION & CONTROL TEST (W)	5-13	5-20	8
SU8 SE02	NEUTRON MONITORING INDICATION & CONTROL TEST (GAMMAMETRICS)	7-5	7-18	14
SU8 SF01	INITIAL CHECK OUT ROD CONTROL SYSTEM	9-18	9-24	7
SU8 SF02	FUNCTIONAL CHECK OF DIGITAL ROD POSITION INDICATING SYSTEM	9-25	9-30	6
SU8 SF03	ROD CONTROL SYSTEM MG SET TEST	9-10	9-17	8
SU8 SF04	RESISTANCE CHECKS OF CRD COILS	8-20	8-29	10
SU4 SG01	SEISMIC INSTRUMENTATION SYSTEM PREOP	8-28	9-6	10
SU3 SJ01	PRIMARY SAMPLING SYSTEM PREOP	6-24	7-19	26
SU3 SP01	PROCESS RADIATION MONITORING SYSTEM PREOP	9-18	9-30	13
SU4 SQ02	LOOSE PARTS MONITORING SYSTEM (HFT)	6-28	8-5	39
SU8 SR01	INCORE NEUTRON MONITORING SYSTEM PREOP	8-2	9-29	59

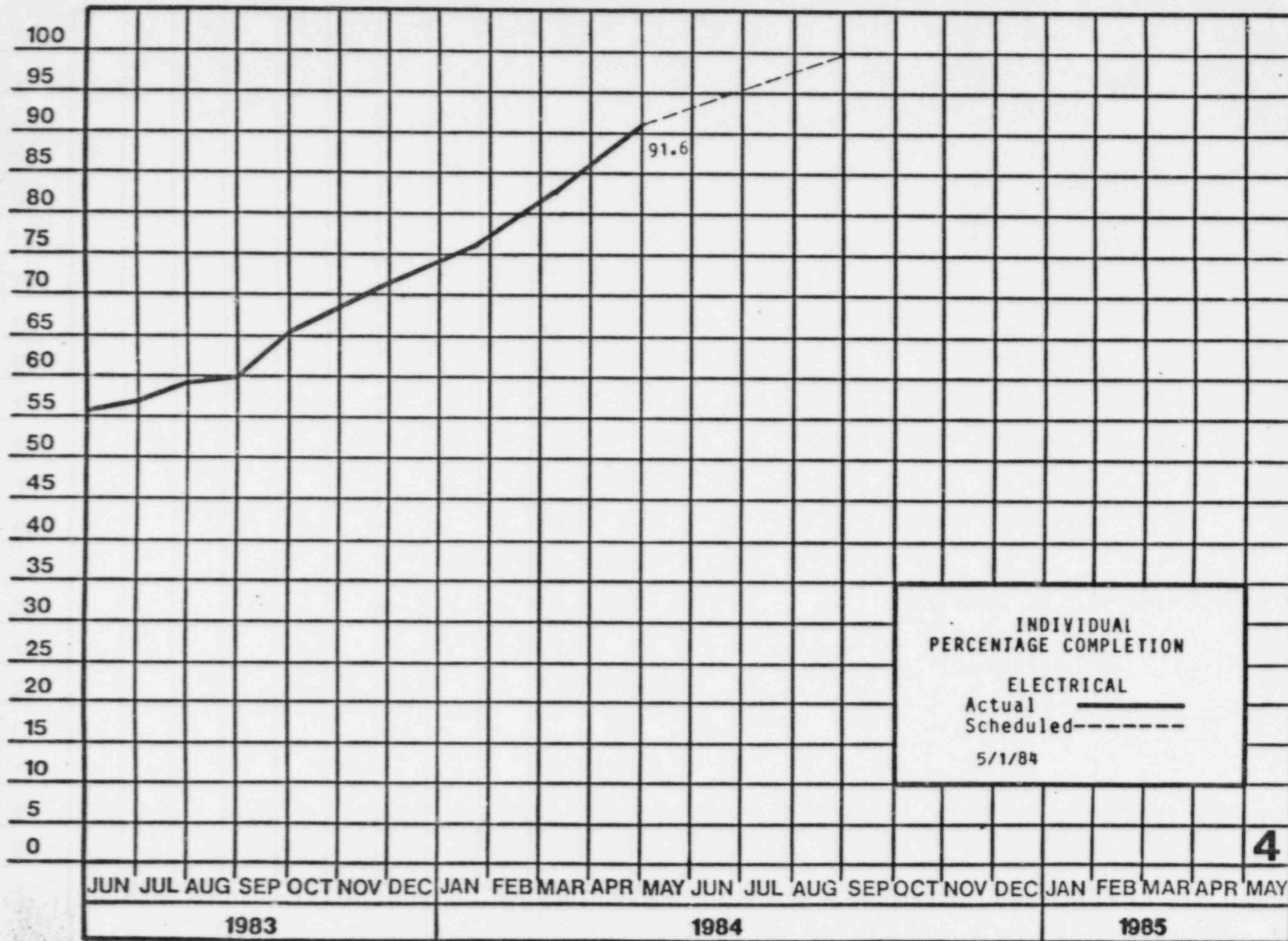
TO GO PREOP TEST SCHEDULE DATES

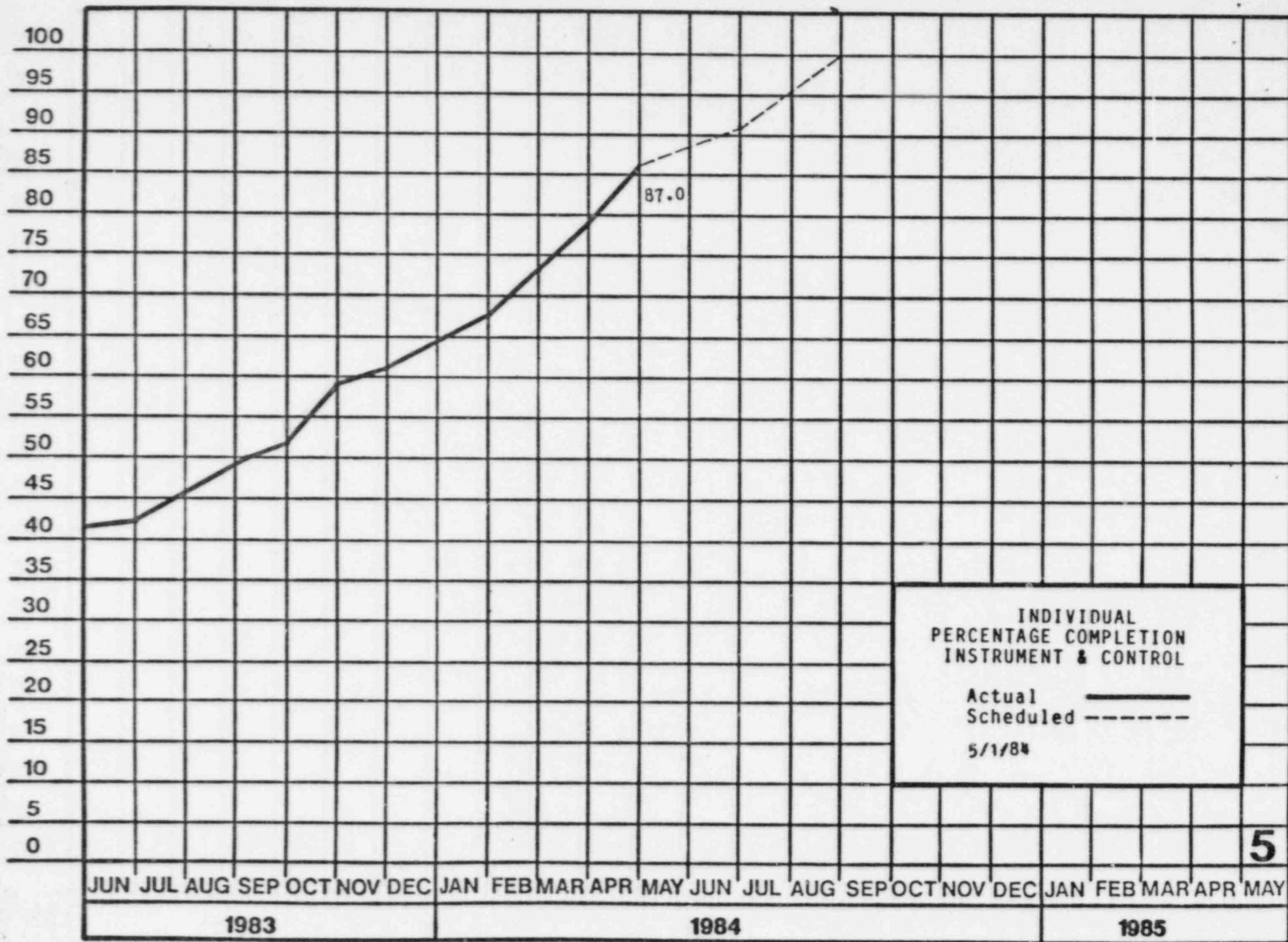
PROCEDURE TYPE NUMBER	DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	DURATION (DAYS)
SU3 0004	POWER CONVERSION AND ECCS SYSTEM THERMAL EXPANSION TEST	6-24	8-11	49
SU3 0005	POWER CONVERSION AND ECCS SYSTEM DYNAMIC TEST	7-5	7-25	21
SU3 0006	HEPA FILTER TEST	8-27	9-8	13
SU8 0007.1	PLANT PERFORMANCE TEST (HFT)	6-24	8-5	44
SU3 0008	HOT STANDBY TO COLD SHUTDOWN	8-6	8-7	2
SU3 0009	COMP. GAS ACCUMULATOR TEST	6-6	6-13	8
SU8 0006	RHR SUMP SUCTION DEMONSTRATION	5-23	5-27	5
SU8 0008	PRESSURIZER LEVEL INDICATION CROSS COMPARISON	6-13	6-21	8
SU8 0009	STEAM GENERATOR LEVEL INDICATION CROSS COMPARISON	6-1	6-15	15
SU8 0010	RV LEVEL INDICATION	6-24	8-11	49
SU8 0011	CORE SUB-COOLING MONITORING	6-24	8-11	49
SU8 0012	SOLID SYSTEM PRESSURE CONTROL	6-24	8-11	49
SU8 0013	HFT INSTRUMENT CORRELATION	6-25	7-3	9
SU9 0023	VOLTAGE VERIFICATION TEST	6-28	8-5	39
SU9 0024	X-CORE (SOURCE) NEUTRON MONITOR BACKGROUND NOISE SURVEY	6-24	8-11	49
SU9 0025	RCS HEAT LOSS (FORMERLY SU8-0006)	6-24	8-11	49

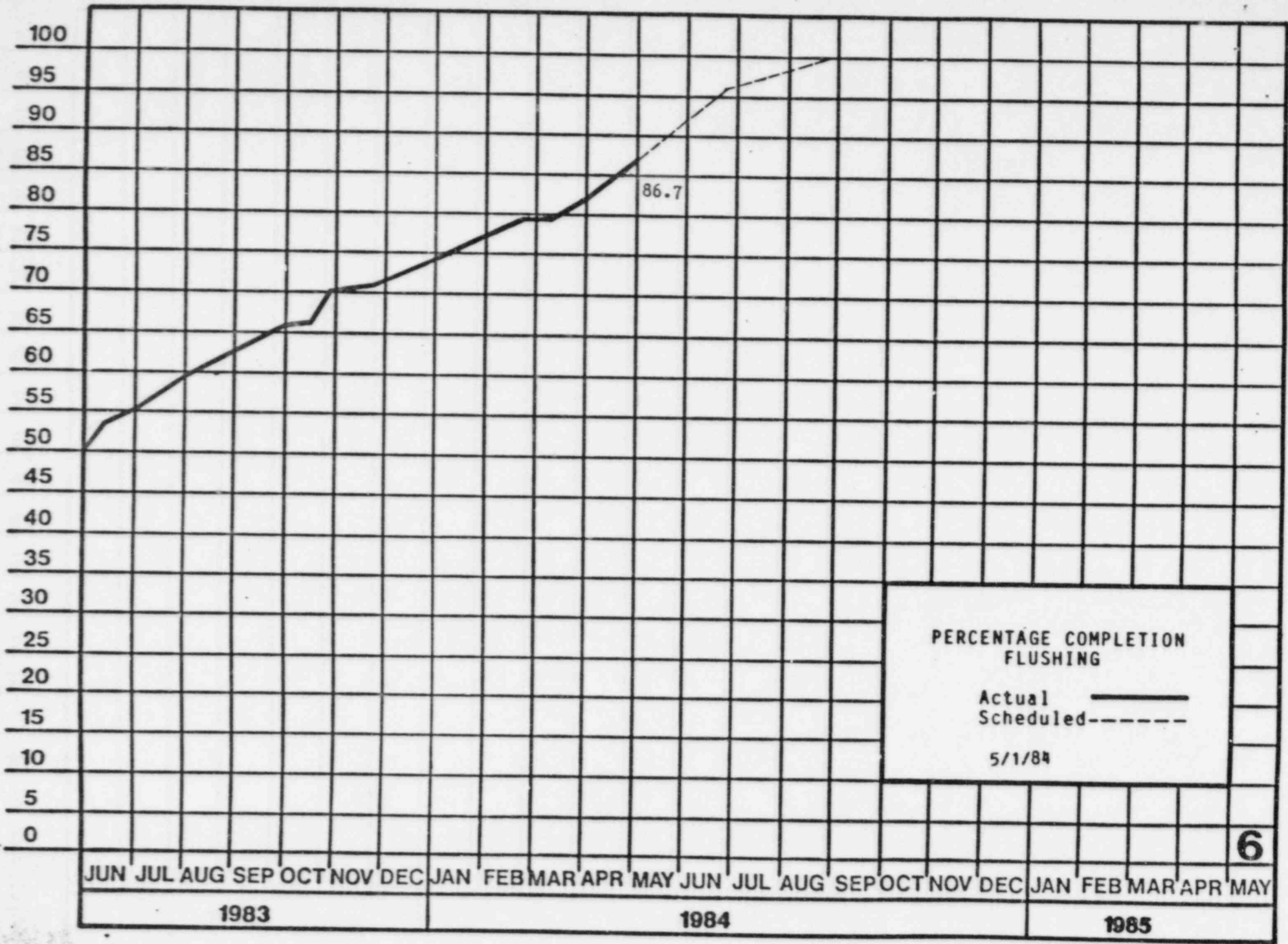


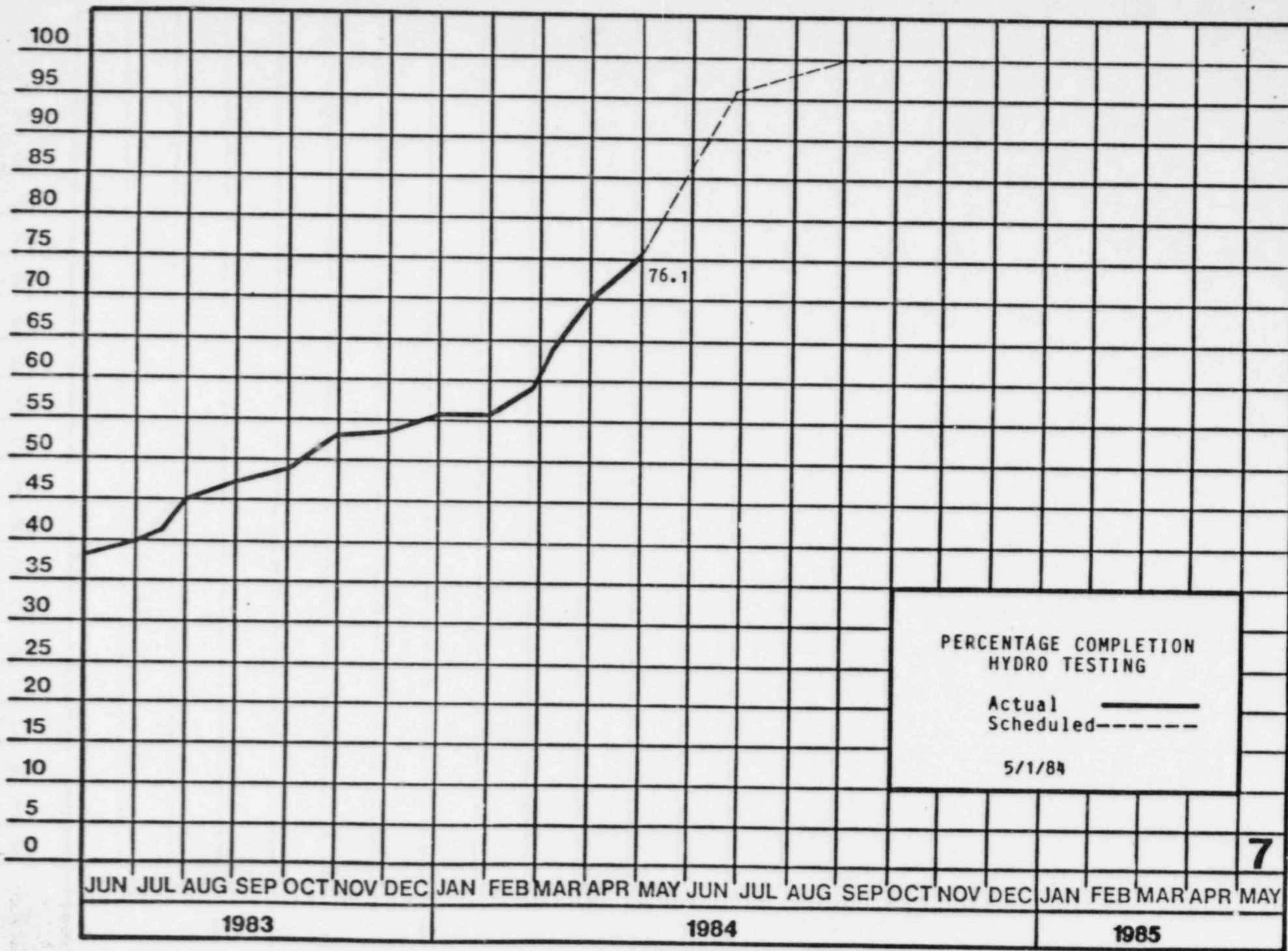


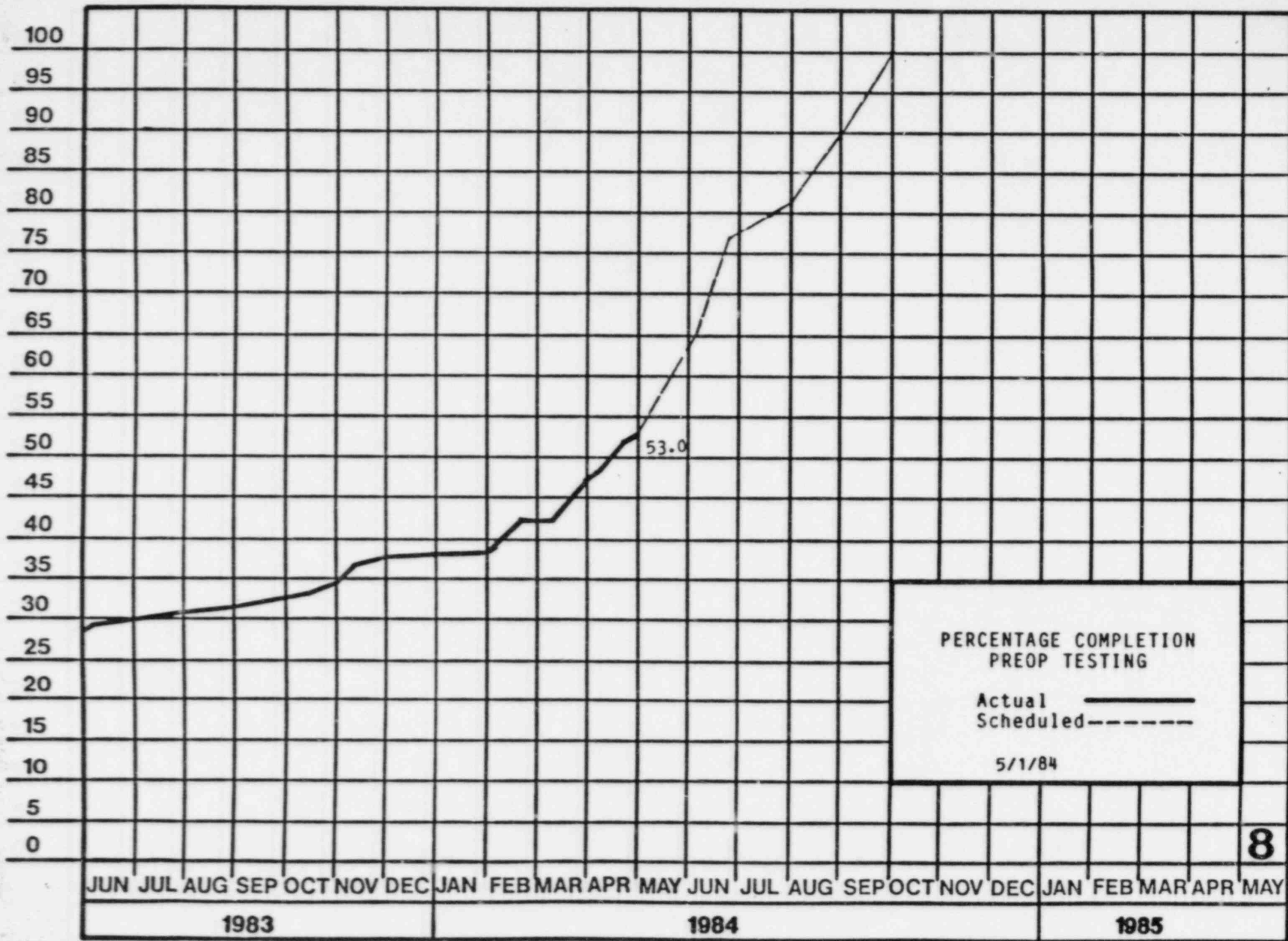


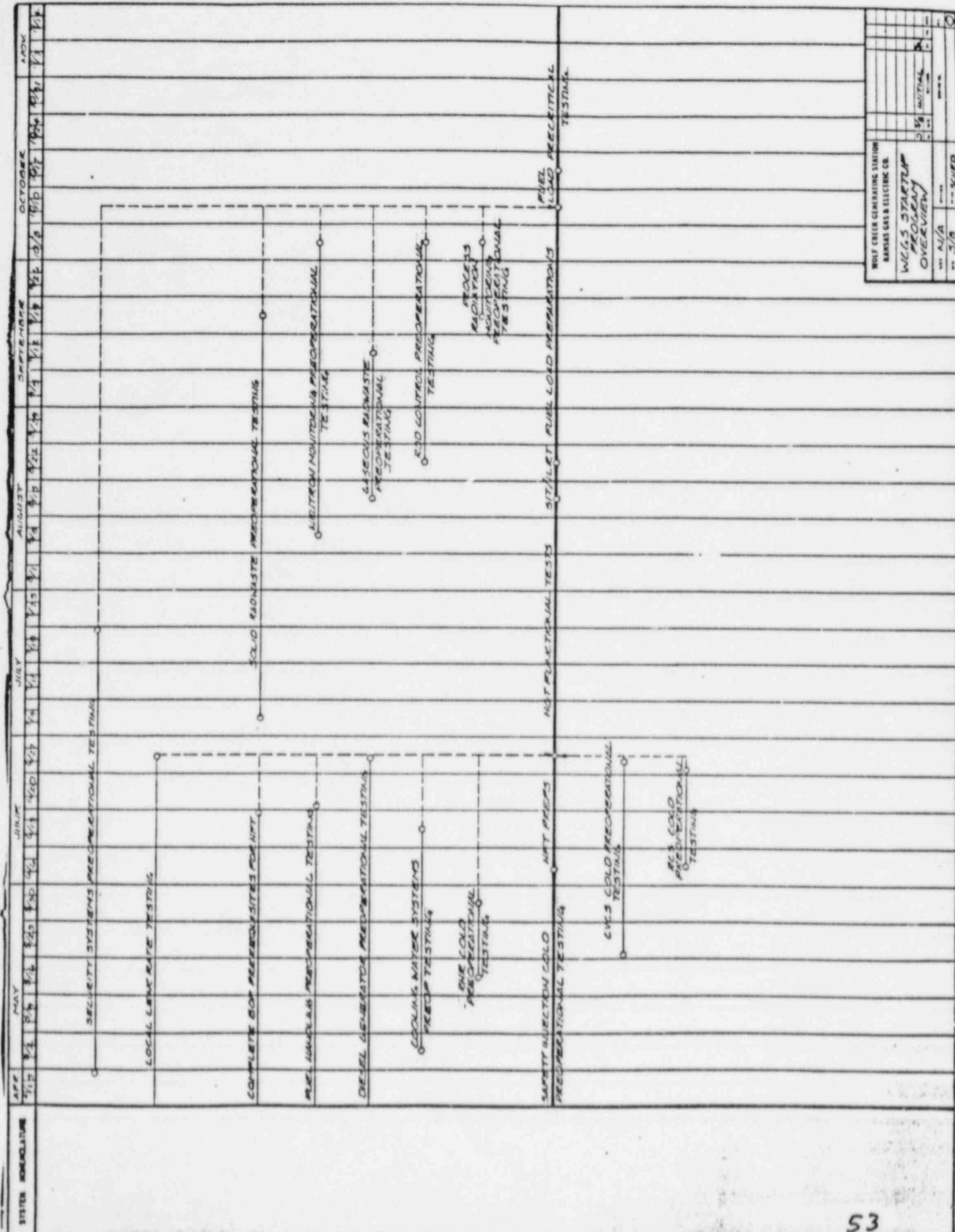












NUMBER OF PREOPERATIONAL TESTS

150
145
140
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0

WOLF CREEK HFT

CALLAWAY HFT

MONTHS TO
FUEL LOAD

21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	—
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY

WOLF CREEK —

CALLAWAY - - -

1(a) Power Ascension Test procedures including safety-related and non-safety-related.

Type	No. Required	No. Not Started	No. in Prep Approval	No. Approved
Power Ascension Test Proc	56	0	28	28

1(b) Operating procedures required for fuel loading; including station administrative, station operational, surveillance (e.g. technical specification), maintenance and emergency procedures.

Security	54	0	9	45
Results Engineering	75	0	30	45
Fire Protection	62	0	32	30
Fire Prot Alarm Response	312	0	51	261
Fire Pre Plans	152	0	19	133
Maintenance Admin	25	0	0	25
Maintenance FHP	9	1	0	8
Maintenance STS	46	3	22	21
Maintenance Welding	21	6	13	2
Maintenance Maint	140	0	0	140
Admin 01s	56	3	0	53
Admin 07s	11	0	0	11
EPIPs	50	5	0	45
Ops GENS	7	0	2	5
Ops SYS (including RW)	309	0	45	264
Ops CKL (including RW)	214	0	1	213
Ops ALR (CR)	690	0	27	663
Ops ALR (RW)	197	0	2	195
Ops OFN	15	3	3	9
Ops EMG	43	0	0	43
Ops FHP	14	0	1	13
Ops STS	116	0	88	28
Ops STN	13	0	13	0
Ops ALR (Local)	464	0	39	425
Ops ADM	26	1	0	25
Tech Supp Admin	47	0	6	41
Tech Supp Surv	258	0	108	150
Tech Supp I&C Maint	171	0	13	158
Tech Supp Tech (Cal, Chem, etc)	322	19	20	283
TOTAL	3919	41	544	3334

4. Status of Health Physics and Radwaste Procedure development.

ADM (HP)	35	0	1	34
HPH (HP)	110	10	5	95
ADM (Radwaste)	1	0	1	0
HPH (Radwaste)	24	1	6	17
Ops (Radwaste)	57	0	35	22
TOTAL	227	11	48	168

2(c) Training program; outstanding training courses required prior to fuel load; identifying job titles, numbers of personnel, and projected completion.

(1) PWR Training course including:

- a) systems familiarization
- b) codes and standards
- c) QA/QC
- d) simulator training

This course is 10 to 12 days in duration and is required to be taught to all engineering/technical personnel (both at the home office and at the plant site) also to all supervisors and superintendents for these personnel. At the plant site this includes:

Results Engineering
Reactor Engineering
Training personnel
Instrumentation and Control
Health Physics
Chemistry

At this time about two-thirds of these personnel have been taught. This leaves about 50 people to go. We plan to complete this training in late July 1984.

- (2) General Employee Training is required for all unescorted personnel on site. This includes all vendors, contractors, startup people, construction people and all KG&E people who want unescorted access to the plant site. This is a 4 hour course. At this time about 350-400 people still need this training on site and about 175 home office people also need this training. The completion date for this training is in late July 1984.
- (3) Radiation Worker Training (Level 1) is required for all personnel who want unescorted access on site but who do not need access to radiation areas. (4 hour course) About 150 people require this training at the site and about 125 people at the home office. Completion date is early August 1984.
- (4) Radiation Worker Training (Level 2) is required for all personnel requiring unescorted access to radiation areas of the plant. (2 day course) About 150 people require this training at the site and about 50 people at the home office. Completion date in late July 1984.
- (5) Emergency Plan Training is required for all supervisory, technical and engineering personnel. (1 to 2 day course). About 250 people require this training at the site and about 175 people at the home office. Completion date is early August 1984.
- (6) Mitigating Core Damage Training is required for all site Health Physics, Chemistry and I&C Technicians. This training includes about 75 people and will be completed July 1984.

2(d) Operator and senior operator licenses presently onsite, contracted, projected and required for fuel loading.

We have about 16 contracted Senior Reactor Operators onsite in the Training, Startup, and Operations Departments.

We have 35 Operations personnel presently preparing for Reactor Operator and Senior Reactor Operator exams which occur in May 1984.

We will require 10 SRO and 10 RO licenses to man 5 shifts at fuel load.

5. Status of ASME Section 11 Program.

KG&E, Wolf Creek Generating Station, presently has in place an ASME Section XI repair and replacement program. An administrative procedure has been developed, reviewed, approved, and issued which establishes the methods for providing, controlling, and documenting repair and replacements that are to be performed in accordance with ASME Section XI. This procedure is applicable for the repair and replacement of MC and N stamped components and their supports for ASME Class 1, 2, and 3 systems.

Up to the time that KG&E completes the Section III N3 Data Report, repair or replacement of components may be performed under Section III or Section XI. If Section III jurisdiction is to be used for the repair or replacement, the work must be performed by the original ASME Certificate Holder who constructed the component, or in some cases by some other ASME Certificate Holder, but in either case, the Certificate Holder must have the appropriate ASME authorization needed to perform the work.

NUCLEAR DEPARTMENT

WICHITA BASED POSITIONS

<u>Division/Branch</u>	<u>Authorized</u>	<u>On/Hand</u>	<u>Openings</u>
Headquarters Staff	2	2	--
Admin. Services Headquarters	--		
Human Resources	2	2	--
Nuclear Coordinator	4	4	--
Proj. Plan. and Controls	12	10	2
Management System	59	22	37
Nuclear Plant Engineering	90	59	31
Nuclear Services	51	44	7
Quality Branch	12	12	--
Nuclear Operations Branch	13	4	9
TOTAL	245	159	86

WOLF CREEK SITE BASED POSITIONS

<u>Division/Branch</u>	<u>Authorized</u>	<u>On/Hand</u>	<u>Openings</u>
Admin. Services Headquarters	1	1	--
Human Resources	6	5	1
Proj. Plan. and Controls	11	4	7
Nuclear Plant Engineering	10	3	7
Nuclear Services	13	9	4
Quality Branch	45	34	11
TOTAL	86	56	30

NUCLEAR DEPARTMENT (cont'd)

WOLF CREEK STATION POSITIONS (excluding Security)

<u>Division/Branch</u>	<u>Authorized</u>	<u>On/Hand</u>	<u>Openings</u>
Plant Headquarters	2	2	--
Operations	69	66	3
Maintenance	82	68	14
Administration	69	46	23
Technical Support	137	113	24
Plant Support	41	32	9
Nuclear Training	<u>46</u>	<u>18</u>	<u>28</u>
TOTAL	446	345	101

CONSTRUCTION SUPPORT POSITIONS - WOLF CREEK SITE

<u>Division/Branch</u>	<u>Authorized</u>	<u>On/Hand</u>	<u>Openings</u>
Construction	23	20	3
Audit/Accounting	<u>14</u>	<u>10</u>	<u>4</u>
TOTAL	37	30	7

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	<u>Authorized</u>	<u>On/Hand</u>	<u>Openings</u>
TOTAL NUCLEAR DEPARTMENT	<u>814</u>	<u>590</u>	<u>224</u>

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KG&E QUALITY BRANCH

COMMENTS FOR CASELOAD MEETING

Quality Branch has in preparation for Fuel Load been aggressively addressing several elements of the Quality Program:

1. **Training:** We have developed and staffed a comprehensive training program for Quality personnel to meet the license commitments. The training supervisor has been an SRO which enhances the depth and approach to an operating plant concerning quality matters. In addition we are upgrading our inspector certifications. For example, we are giving 40 hour formal training including video tape, testing, etc., for Section XI inspectors, extensive Fuel Receipt inspector certifications.
2. **Supplier Control:** The KG&E Quality Branch is developing a total program for evaluating and continued maintenance of the Approved Supplier List. We have utilized many available programs and organizations, i.e. Bechtel Supplier audits, joined CASE, coordinated through SNUPPS with Gilbert/Commonwealth on outside service organizations and Union Electric (Callaway). We have developed our program plan and staff where this element of the Quality Program will be accomplished.
3. **Policy and Procedures:** KG&E has done and is continuing an aggressive program in structuring Policy and the implementing procedures to assure license commitments are defined and in place. This effort is directed toward the whole Quality Program and not limited to a QA or QC organization.
4. **Work Planning:** KG&E Plant Operations and Quality Branch have developed an integrated approach to work planning. For example, fuel receipt planning is an integrated and sequential plan which includes "Hold Points" for quality. This planning philosophy will be followed in Maintenance planning as well.
5. **Open Items:** The NRC (in 50.55E, Open Items, etc.), Independent Management Assessment Audits (i.e. INPO, MAC, etc.), and KG&E Internal and External Audit items are being closely monitored and tracked to insure they are identified and/or closed in a timely manner.

The above are only highlights of certain activities. However, other important and essential elements of a total Quality Program and the Quality Branch activities are forthcoming and meeting KG&E commitments to a quality and safe operating Wolf Creek Generating Station.