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Docket No. 50-461

APPLICANT: Illinois Power Company

FACILITY: Clinton Power Station, Unit 1

SUBJECT: CASELOAD FORECAST PANEL MEETING SUMMARY

The NRC Caseload Forecast Panel met with representatives of Illinois Power Company (IPC) on August 10-12, 1983 in Clinton, Illinois to assess the construction status of the Clinton Power Station, Unit 1. The NRC Panel was composed of H. Abelson (Clinton Project Manager), W. Lovelace (Office of Resource Management), H. Livermore (Senior Resident Inspector), and F. Jablonski (Inspector, Region III). A meeting agenda and a list of meeting attendees are provided in Attachments 1 and 2, respectively.

Activities commenced on August 10 with an overview presentation by IPC of construction progress, highlighting each of the areas listed in Attachment 1. This was followed by detailed discussions between the Panel and IPC. Supporting documentation provided by IPC at the meeting is contained in Attachment 3. On August 11, the Panel conducted an inspection of the Clinton site to view the progress of construction, with a focus on the electrical and HVAC areas. An exit meeting was held on August 12 in which the Panel presented its preliminary findings to IPC.

According to IPC, overall construction is presently 81 percent complete. The critical path items leading to reactor integrated flush, scheduled for December 1984, include 1) rework and installation of cable tray, hangers, and conduit to support cable pulling for systems needed for integrated flush, 2) structural steel modifications and installations to support filling of the suppression pool, and 3) installation of large and small bore pipe, hangers, and restraints required to support NSSS system turnovers. With regard to hardware and other changes attributed to NUREG-0737, IPC sees no resulting impact on its recently revised schedule. IPC has, however, identified several 10 CFR 50.55e and 10 CFR 21 items which have the potential for producing delays (see Attachment 3).

On the basis of the discussions with IPC, subsequent evaluation of the supporting documentation, and inspection of the site, the Panel has concluded that the applicants' estimated fuel load date of January 1986 appears to be ambitious but achievable. The Panel estimates that fuel load will take place in the first quarter of 1986. Meeting this schedule however, will require continuous and aggressive management involvement by IPC and its consultants for the duration of the project. As a result of recent organizational changes, it appears that an aggressive management team is now in place. A potential concern expressed by the Panel is how the outcome of the IPC reinspection

OFFICE							
SURNAME							
DATE							

program may impact the schedule. Although IPC has indicated that conservatisms have been built into the schedule, the possibility of uncovering major rework items still exists. Also, in the Panel's view, the completion of electrical and instrumentation work to support system turnovers and pre-operational testing on schedule represents a critical path item. Several still unresolved licensing issues, in addition, have the potential for impacting the schedule. Included here are the qualification of electrical and mechanical equipment and hydrodynamic loads on the containment.

The Panel proposes to visit the Clinton site in approximately 12 months to reassess construction status.

G Harrison /for

H. Abelson, Project Manager
Licensing Branch No. 2
Division of Licensing

Attachments:
As stated

cc w/attachments:
See next page

J.S.H.

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SURNAME	HAbelson:kw	WLavelace					
DATE	10/12/83	10/7/83					

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Configuration Management
Nuclear Station Engineering
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Vice President
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Supervisor - Licensing
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CASELOAD FORECAST PANEL SITE VISIT
CLINTON, UNIT 1
MEETING AGENDA

Presentation

1. Overview of 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.

2. Detailed review and current status of design and engineering effort (by major discipline), including any potential problems that may arise from necessary rework.

3. Detailed review and current status of procurement activities, including valves, pipe, instruments, cable, major components, spare parts, etc.

4. Actual and proposed craft work force (by major craft), craft availability, productivity, potential labor negotiations and problems.

5. Detailed review and current status of all large and small bore pipe hangers, restraints, snubbers, etc., including design, rework, procurement, fabrication, delivery and installation.

6. Detailed review of project 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 July 31, 1983.

7. 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)

8. 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 start-up identifying each.

9. Detailed discussion and status of changes attributed to NUREG-0737 and other recent licensing requirements.

10. Discussion of schedular impact, if any, regarding potential deficiencies reported in accordance with 10 CFR 50.55(e).

11. Overview of current construction and startup management organization showing interfaces between the two.

12. Detailed discussion and status of all known rework resulting from each of the ten (10) stop work orders, including any potential rework that may arise. This should include quantities already installed that must be reworked as well as additional quantities to be added. Include status of design and engineering for each.

13. Site tour and observation of construction activities.

Attachment 2

ATTENDEES

CASELOAD FORECAST PANEL MEETING

AUGUST 10, 1983

Name	Affiliation
H. Abelson	NRC
H. H. Livermore	NRC
F. J. Jablinski	NRC
W. H. Lovelace	NRC
B. Yates	Soyland Power
T. Biggs	WIPCO
W. C. Gerstner	Illinois Power
D. P. Hall	Illinois Power
G. E. Gandsey	Baldwin Associates
W. J. Harrington	Baldwin Associates
J. E. Loomis	Illinois Power
R. P. Rasho	Illinois Power
A. E. King, Jr.	Baldwin Associates
A. L. Ruwe	Illinois Power
G. N. Motsegood	Illinois Power
H. S. Treichler	Illinois Power
M. D. Hassebrock	Illinois Power
J. G. Cook	Illinois Power
R. S. Richey	Illinois Power
B. F. Paulsen	Illinois Power
H. Deakins	Illinois Power
B. Nickerson	Baldwin Associates
D. L. Holtzscher	Illinois Power
G. E. Wuller	Illinois Power
R. M. Nelson	Illinois Power
R. F. Schaller	Illinois Power
J. D. Geier	Illinois Power
D. K. Schopfer	Sargent & Lundy
J. Greene	Illinois Power
T. Plunkett	Illinois Power
W. Connell	Illinois Power
R. Campbell	Illinois Power
J. W. Cummings	Illinois Power
D. Lewis	Baldwin Associates
J. Chivers	Baldwin Associates
N. Dillon	Baldwin Associates
J. Miller	Illinois Power
R. Gruenwald	Illinois Power

In addition to the above, the following were also present at the August 12, 1983 meeting:

Name	Affiliation
R. Thiel	Illinois Power
A. Adams	Illinois Power
J. M. Williams	Soyland Power
D. Pittman	Bloomington Pantograph
	WAND T. V.

ILLINOIS POWER COMPANY

CLINTON POWER STATION

CASE LOAD FORECAST PANEL

AUGUST 10 - 12, 1983

Attachment 3

CONTENTS

CASELOAD FORECAST PANEL SITE VISIT
CLINTON, UNIT 1
MEETING AGENDA

Presentation for each unit

1. Overview of 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.

2. Detailed review and current status of design and engineering effort (by major discipline), including any potential problems that may arise from necessary rework.

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   (f) Cable Tray (LF)

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(h) Total Exposed Metal Conduit (LF)

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- Control
- Security
- Instrumentation
- Plant Lighting

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13. Site tour and observation of construction activities.

COMPLETED MILESTONES

1. ILLINOIS POWER COMPANY ANNOUNCED A NUCLEAR POWER PLANT WOULD BE CONSTRUCTED AT THE CLINTON, ILLINOIS SITE - FEBRUARY 10, 1972

2. A LIMITED WORK AUTHORIZATION WAS GRANTED BY THE NRC - OCTOBER 2, 1975.

3. THE CONSTRUCTION PERMIT WAS ISSUED BY THE NRC - FEBRUARY 24, 1976.

4. COMPLETED CONSTRUCTION OF TURBINE PEDESTAL - JULY 12, 1979.

5. COMPLETED SETTING OF REACTOR PRESSURE VESSEL - OCTOBER 25, 1979.

6. POWER GENERATION CONTROL COMPLEX TURNED OVER TO ILLINOIS POWER COMPANY - JUNE 9, 1981.

7. COMPLETED PLACEMENT OF CONTAINMENT DOME CONCRETE - JULY 15, 1981.

8. ENERGIZED AUXILIARY POWER SYSTEM - OCTOBER 8, 1981.

9. COMPLETED CONSTRUCTION OF PLANT SERVICE WATER SYSTEM - OCTOBER 26, 1981.

10. LIFT: STOP WORK ORDER 007 (ELECTRICAL CABLE TRAY) - JULY 27, 1983.
STOP WORK ORDER 016 (ELECTRICAL CONDUIT) - JULY 28, 1983

CHRONOLOGY OF EVENTS - CLINTON POWER STATION

(1982 THROUGH JULY , 1983)

EVENT	DATE
Stop Work Order - 007 (Cable Tray & Attachments) Initiated	January, 1982
NRC CAL Letter on Electrical Installation Received	January, 1982
Spare Parts Procurement Stop Work Initiated	March, 1982
Verification - Inspection Team Assembled	March, 1982
Stop Work Orders - 014, 015 (HVAC Installation) Initiated	June, 1982
Stop Work Order - 016 (Conduit) Initiated	June, 1982
Stop Work Order - 017 (Electrical Equipment) Initiated	June, 1982
Stop Work Order - 018 (Electrical Instrumentation) Initiated	June, 1982
Stop Work Order - 019 (Structural Steel) Initiated	June, 1982
Traveler Control Initiated	August, 1982
Overinspection Program Initiated	August, 1982
NRC CAL Letter on Stop Works Received	September, 1982
NRC CAL Letter on Overinspection Received	October, 1982
IPC Improvement Program Submittal to NRC	November, 1982
Records Verification Program Submitted to NRC	November, 1982
Revised Overinspection Program Submitted to NRC	November, 1982
NRC Comments to IP Improvement Program Received	December, 1982
HVAC Recovery Plan Submitted to NRC	May, 1983
Procurement Stop Work Order Lifted	May, 1983
Stop Work Order - 017, 018, and 010 Lifted	May, 1983
HVAC Recovery Plan Receives NRC Concurrence	May, 1983
CPS Construction/Operations Schedule Revised	May, 1983
Records Review Program Commences	June, 1983
Stop Work Order - 019 Lifted	July, 1983
Stop Work Order - 007 Lifted	July, 1983

APPROACH

- DEFINE SPECIFICS
- PREPARE PLAN
- DEVELOP SCHEDULE
- PREPARE TRACKING SYSTEMS

TASKS

- COMPLETE CLINTON NUCLEAR POWER STATION AT THE EARLIEST POSSIBLE TIME.

- COMPLETE THE NUCLEAR REGULATORY LICENSING PROCESS IN APPROPRIATE SEQUENCE WITH CONSTRUCTION COMPLETION.

- ENTER CLINTON NUCLEAR POWER STATION INTO COMMERCIAL OPERATION AT THE EARLIEST POSSIBLE TIME.

GOALS

- CONTINUE EFFORTS TO ENSURE THAT THE CLINTON PLANT IS COMPLETED WITH THE HIGHEST POSSIBLE ASSURANCE LEVEL OF QUALITY CONSTRUCTION.

- DEMONSTRATE IN DAY TO DAY EVENTS 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.

- PREPARE AND IMPLEMENT A SCHEDULE SUPPORTING EARLY COMPLETION OF CLINTON NUCLEAR POWER STATION.

STRATEGY

SHORT RANGE

- COMPLETE ILLINOIS POWER COMPANY IMPROVEMENT PROGRAM
    1. QUALITY RECOVERY PROGRAM
    2. VERIFICATION PROGRAM
    3. TRAINING RECOVERY PLAN
    4. NUCLEAR PROGRAM MANAGEMENT PLAN

LONG RANGE

- IMPLEMENT NUCLEAR PROGRAM MANAGEMENT PLAN FINDINGS
- UPDATE CONSTRUCTION SCHEDULE - - IMPLEMENT
- UPDATE DEPARTMENT SCHEDULES TO SUPPORT LICENSING

INTEGRATED SCHEDULE

-- PREPARATION OF GUIDELINES FOR DEPARTMENT PLANNING INITIATED IN DECEMBER, 1982.

-- IMPROVEMENT PROGRAM SCHEDULE WAS ISSUED IN JANUARY, 1983 AS PART OF NUCLEAR POWER PROGRAM MANUAL.

-- BA LEVEL I CONSTRUCTION SCHEDULE AND ESTIMATE WERE APPROVED IN MAY, 1983.

-- IP LEVEL I AND II SCHEDULES FOR QA, CPS & NSED WERE UPDATED AND APPROVED BY DEPARTMENT HEADS IN JUNE, 1983.

-- INTEGRATED LEVEL I SCHEDULE WAS APPROVED AND ISSUED JULY 8, 1983.

ILLINOIS POWER COMPANY

INTEGRATED MILESTONE SCHEDULE

I. Improvement Plan

- A. Nuclear Program Management Plan
- B. Quality Recovery Program
- C. Verification Program

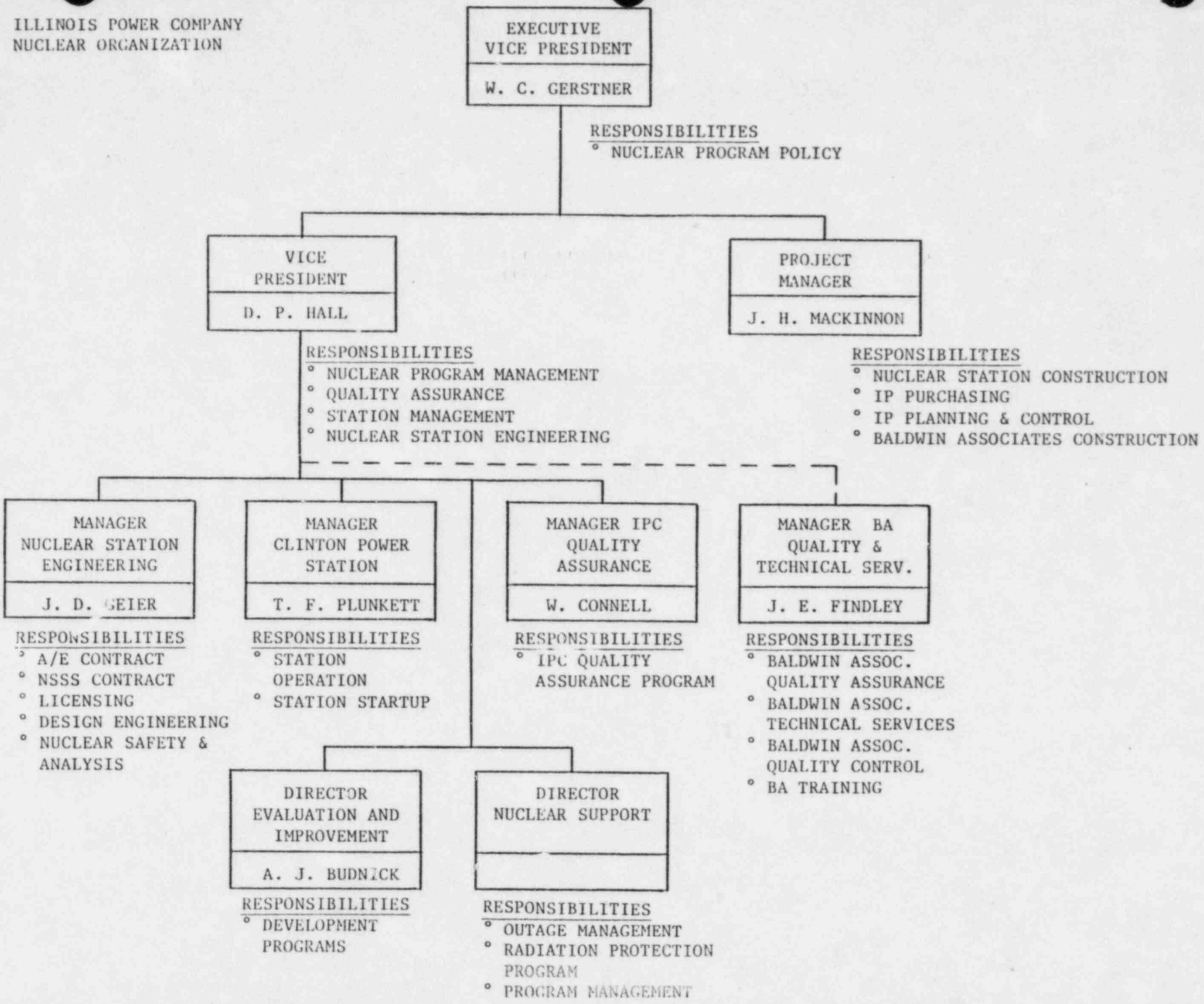
II. Construction/Startup

III. Nuclear Power Program

IV. Clinton Station Management Department

V. Nuclear Station Engineering Department

ILLINOIS POWER COMPANY
NUCLEAR ORGANIZATION



CONSTRUCTION FUNCTIONS:

- PROCUREMENT
- FABRICATION
- INSTALLATION

STARTUP FUNCTIONS:

- COMPONENT TESTS
- CALIBRATION OF INSTRUMENTATION
- PIPE FLUSHING
- HYDRO TESTS
- PREOPERATIONAL TESTS
- POWER ASCENSION TESTS

OPERATIONS FUNCTIONS:

- OPERATION
- MAINTENANCE
- SECURITY

STOP WORK ORDERS

NUMBER - SUBJECT		DATE INITIATED	DATE LIFTED
007	ELECTRICAL CABLE TRAY & ATTACHMENTS	JANUARY 18, 1982	JULY 27, 1983
-	PROCUREMENT OF SPARE PARTS BY ILLINOIS POWER	MARCH 12, 1982	MAY 19, 1983
010	REFUELING BELLOWS	JUNE 23, 1982	MAY 19, 1983
014	HVAC (SAFETY RELATED)	JUNE 28, 1982	EST. SEPT. 1983
015	HVAC (NON-SAFETY SEISMIC)	JUNE 28, 1982	EST. SEPT. 1983
016	CONDUIT	JUNE 23, 1982	JULY 28, 1983
017	ELECTRICAL EQUIPMENT	JUNE 23, 1982	MAY 19, 1983
018	ELECTRICAL INSTRUMENTATION	JUNE 23, 1982	MAY 19, 1983
019	STRUCTURAL STEEL	JUNE 23, 1982	JULY 6, 1983
020	HVAC (NON-SAFETY)	AUGUST 3, 1982	EST. SEPT. 1983

IPC IMPROVEMENT PROGRAM

GENERIC ACTIONS	CONCURRENCE
WORK CONTROLS	MAY 19, 1983
CORRECTIVE ACTION PLAN	MAY 19, 1983
TRAINING RECOVERY	NOT REQUIRED
QA EFFECTIVENESS	MAY 19, 1983
RECORDS VERIFICATION PROGRAM	JUNE 14, 1983
OVERINSPECTION PROGRAM	EVALUATION IN PROGRESS
NCR/DR RECOVERY PLAN	IN PROCESS
TRAVELER BACKLOG	IN PROCESS

FUTURE MILESTONES

1. COMPLETE CONSTRUCTION OF ENGINEERED SAFETY SYSTEMS - JULY 9, 1984.

2. COMPLETE CONSTRUCTION OF RADWASTE AND ASSOCIATED SYSTEMS - AUGUST 6, 1984.

3. COMPLETE CONSTRUCTION OF REACTOR RECIRCULATION AND REACTOR WATER CLEANUP SYSTEMS - OCTOBER 23, 1984.

4. COMPLETE CONSTRUCTION OF REACTOR PLANT COMPONENT COOLING WATER SYSTEM - NOVEMBER 26, 1984.

5. START INTEGRATED FLUSH - DECEMBER 2, 1984.

6. COMPLETE CONSTRUCTION OF FUEL POOL COOLING AND CLEANUP SYSTEMS - DECEMBER 3, 1984.

7. START REACTOR COLD HYDRO PRESSURE TEST - JANUARY 6, 1985.

8. COMPLETE CONSTRUCTION OF CONTROL ROD DRIVE SYSTEM - APRIL 3, 1985.

9. START INTEGRATED LEAK RATE TEST - OCTOBER 27, 1985.

10. START FUEL LOAD - JANUARY 3, 1986.

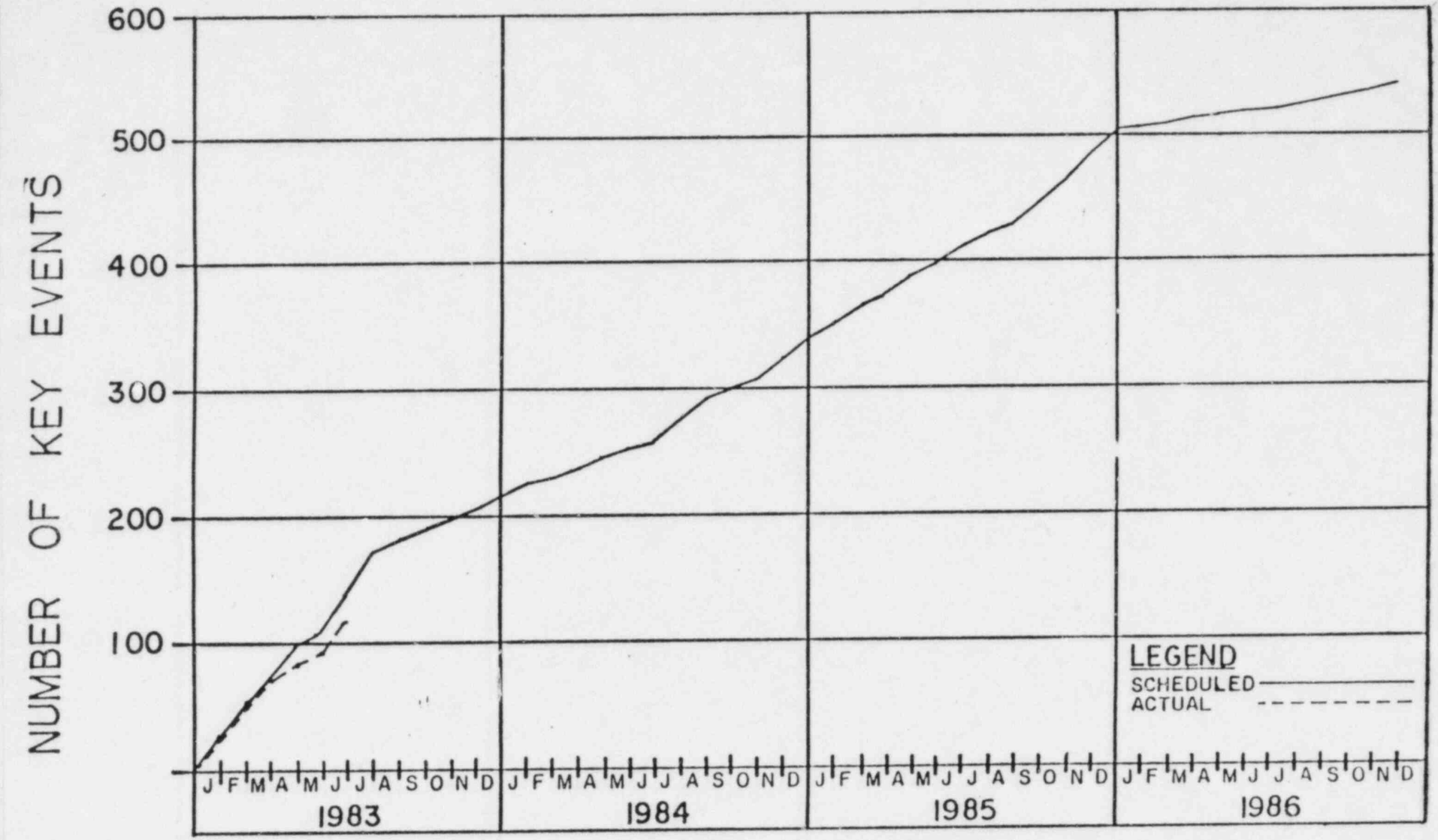
11. START COMMERCIAL OPERATION - NOVEMBER 1, 1986.

On May 24, 1983, Illinois Power Company announced a new schedule and cost estimate for the Clinton Nuclear Power Station Unit I.

The revised schedule indicates fuel will be loaded in January, 1986 and the new estimated cost of the plant is $2.858 billion.

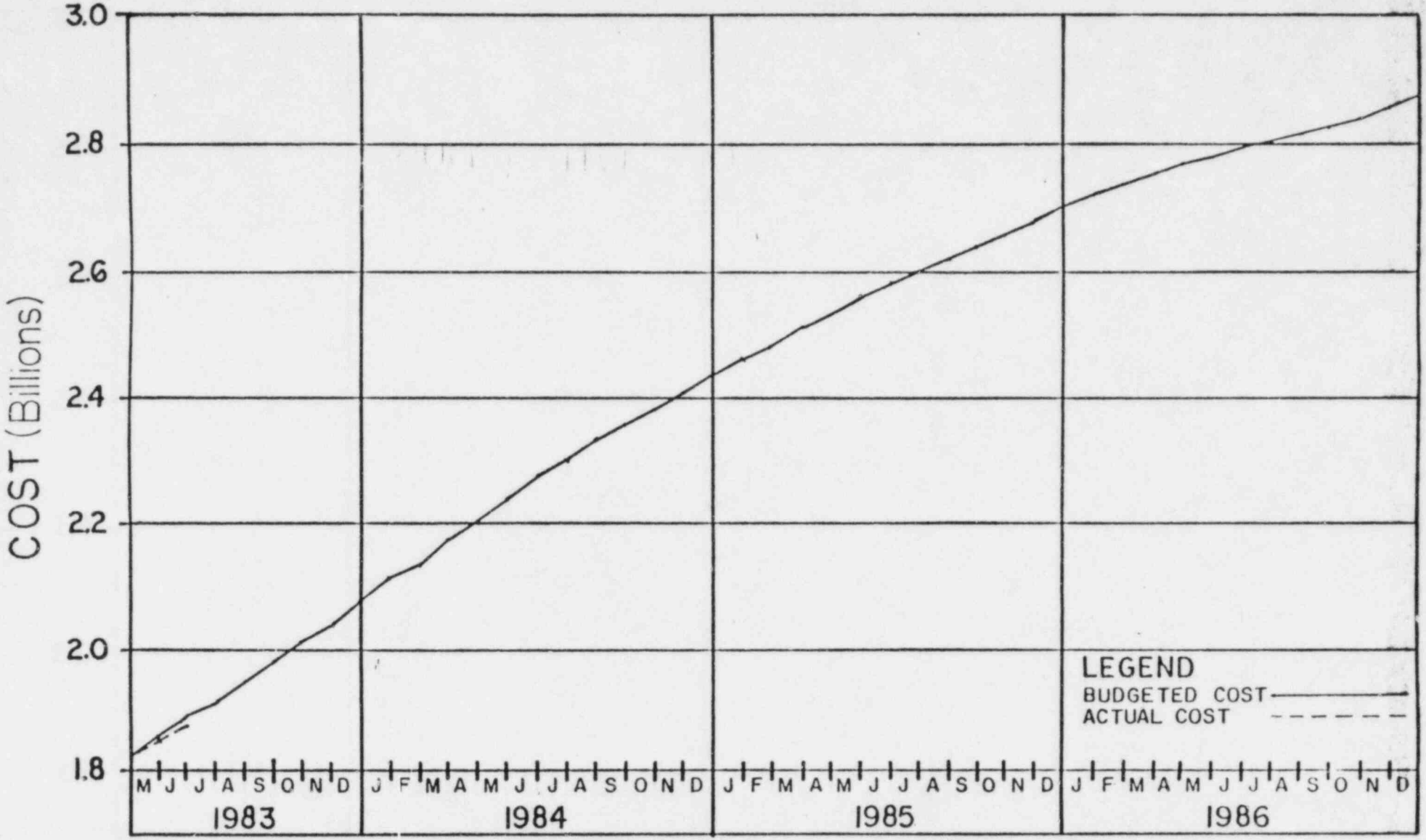
Expenditures on the project through June, 1983 are $1.879 billion. The Company has budgeted $204 million for the remainder of 1983; $353 million for 1984; $267 million for 1985; and $155 million for 1986. These financial commitments are incorporated in the Company's five year construction plan.

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



IPC NUCLEAR POWER PROGRAM KEY EVENTS

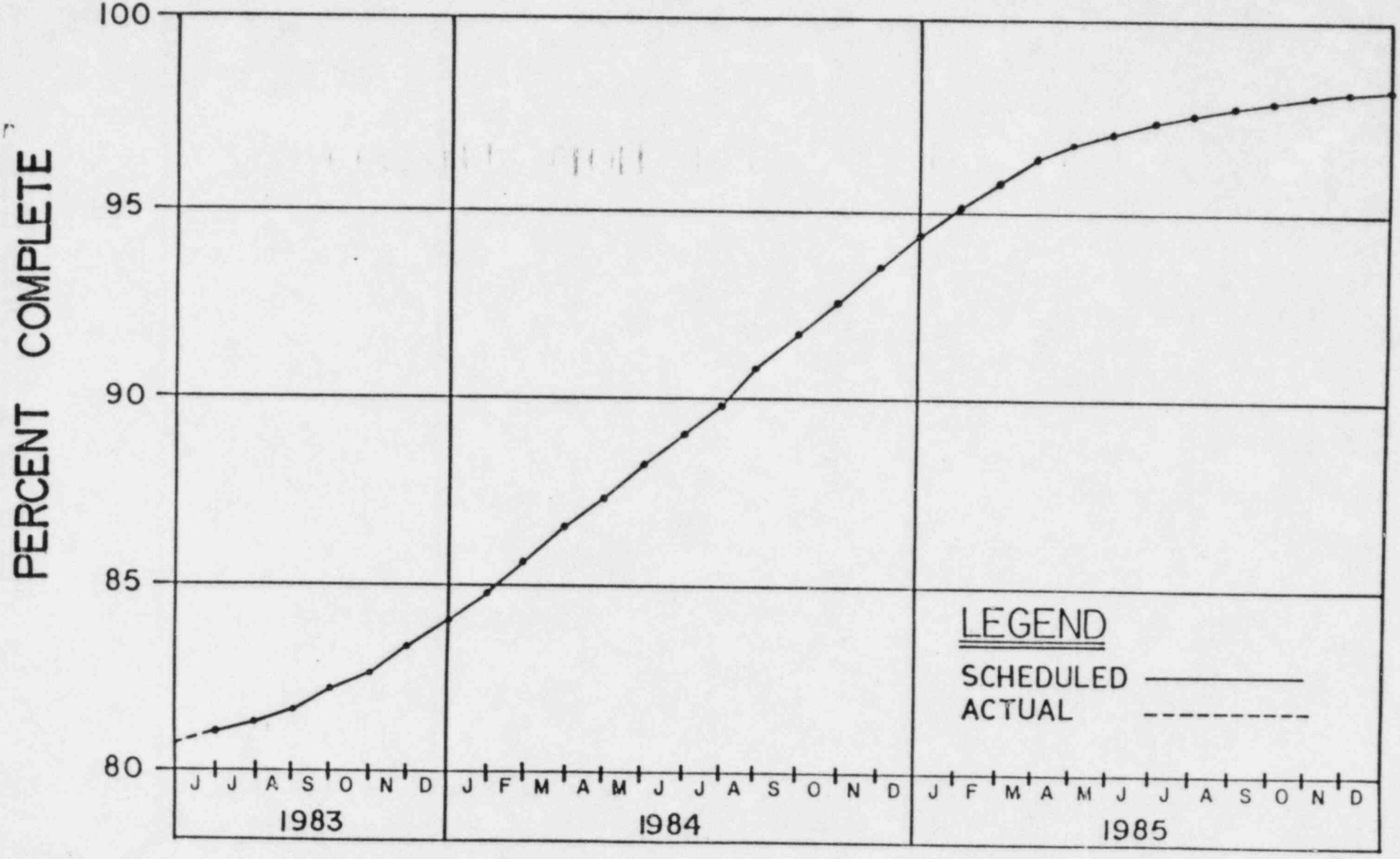
Attachment-3



CUMULATIVE PROJECT COST

Attachment–2

NOTE: These percentages are calculated (In the B.A. Cost Dept.) using construction manhours as a basis.



CONSTRUCTION PERCENT COMPLETION

Attachment 1

CRITICAL ACTIONS/MAJOR PROBLEMS

- REGENERATE CONSTRUCTION TO MEET SCHEDULE
- COMPLETE DESIGN
- IMPLEMENT FINAL DESIGN CONTROL SYSTEM
- COMPLETE STARTUP TEST PROCEDURES
- STARTUP TEST SEQUENCING
- RESOLVE 10CFR50.55(E) ISSUES
- RESOLVE GUARD PIPE BELLOWS
- COMPLETE OVERINSPECTION AND RECORDS VERIFICATION PROGRAMS

MECHANICAL DESIGN STATUS

	% COMPLETE	
PIPING & INSTRUMENT DIAGRAMS	100	
CONTROL & INSTRUMENT DIAGRAMS	100	
LARGE BORE PIPING	98	(NOTE 1)
LARGE BORE SUPPORTS	98	
SMALL BORE PIPING	95	
SMALL BORE SUPPORTS	83	
INSTRUMENTATION PIPING	75	(NOTE 2)
INSTRUMENTATION SUPPORTS	65	
HVAC DUCT	99	
HVAC SUPPORTS	99	
INSTRUMENT DATA SHEETS	85	
PROCUREMENT & TECHNICAL SPECIFICATIONS	99	
VALVE RELEASES	99	

NOTE 1: INCLUDES CONTAINMENT VR AND EOF. DOES NOT INCLUDE GE PIPING (NSSS, AND TURBINE PIPING).

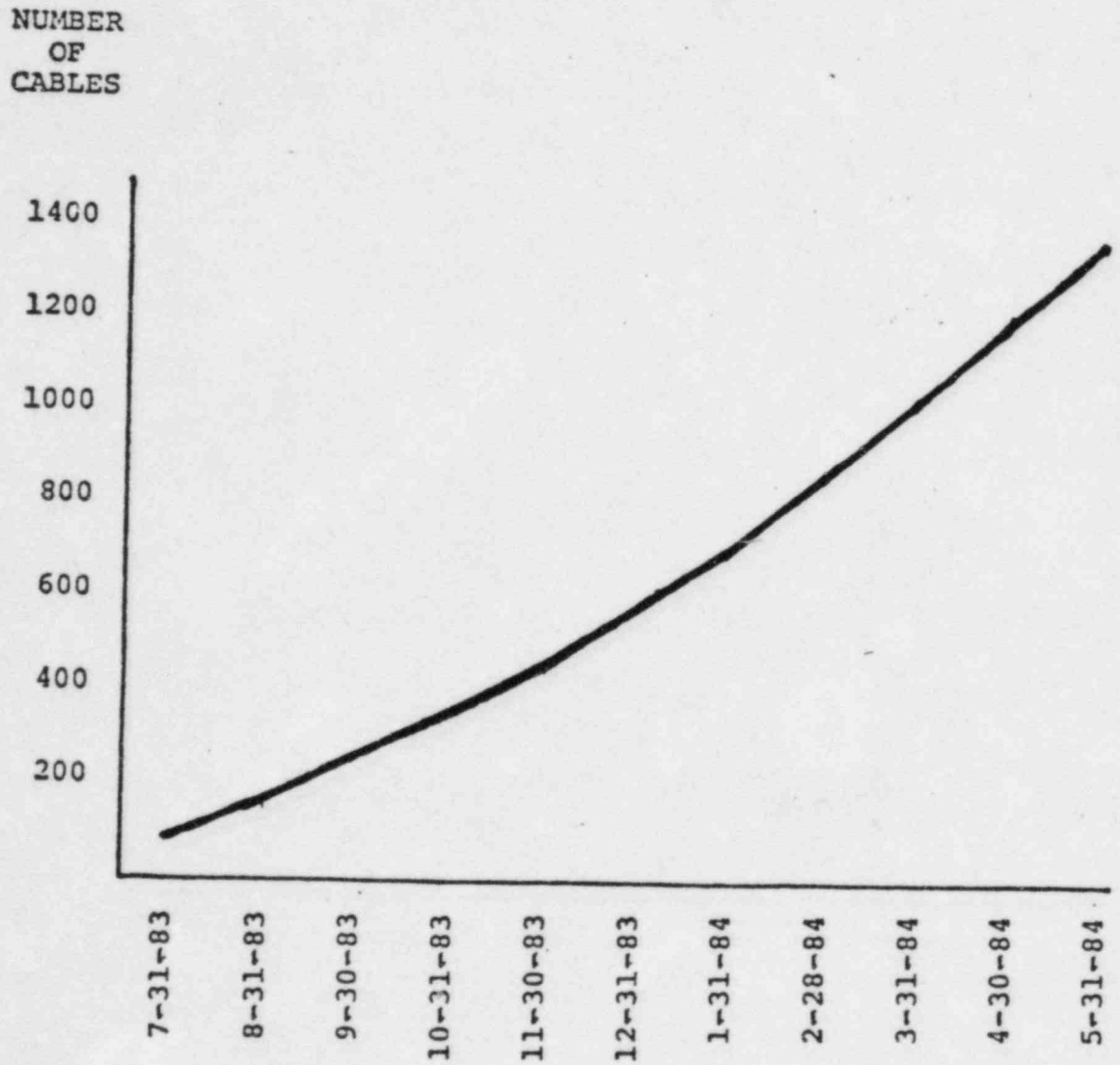
NOTE 2: DOES NOT INCLUDE NON-SAFETY RELATED INSTRUMENTATION PIPING AND SUPPORTS.

ELECTRICAL DESIGN STATUS

	% COMPLETE
CABLE TRAY	100
CABLE TRAY SUPPORTS	100
CONDUIT	93
CONDUIT SUPPORTS	89
LIGHTING	100
SCHEMATIC DIAGRAMS	98
WIRING DIAGRAMS	99
CABLES RELEASED	93
PROCUREMENT & TECHNICAL SPECIFICATIONS	97

CLINTON

REMAINING CABLE RELEASE SCHEDULE



1,385 - Cables Remaining
713 - Engineering Information To Be Developed
672 - Presently Routable

STRUCTURAL DESIGN STATUS

	% COMPLETE	
STRUCTURAL CONCRETE DRAWINGS	100	
STRUCTURAL STEEL DRAWINGS	100	**
ARCHITECTURAL DRAWINGS	100	
MASONRY WALL DRAWINGS	100	*

* ON-GOING ATTACHMENT MONITORING PROGRAM ESTABLISHED.

** FINAL VERIFICATION REQUIRED: ATTACHMENT MONITORING PROGRAM BEING ESTABLISHED.

ENGINEERING CONCERNS

CONTAINMENT ISSUES

UNFAVORABLE RESOLUTION OF REMAINING "HUMPHREY'S ISSUES" WITHIN THE BWR OWNERS GROUP AND WITH THE NRC COULD REQUIRE REANALYSIS AND/OR REDESIGN AND REWORK OF VARIOUS STRUCTURES AND COMPONENTS. THIS COULD HAVE AN IMPACT ON THE CONSTRUCTION SCHEDULE.

AS-BUILT PIPING ANALYSIS

TIMELY SUBMITTAL OF AS-BUILT PIPING DRAWINGS ARE REQUIRED TO COMPLETE THE I&E BULLETIN 79-14 AND ASME RECONCILIATION ANALYSIS PRIOR TO COMPLETION OF N-5 FORMS AND TO SUPPORT THE FINAL STRUCTURAL LOAD CHECK.

ENVIRONMENTAL & DYNAMIC QUALIFICATION OF EQUIPMENT

UNFAVORABLE RESULTS FROM ENVIRONMENTAL AND DYNAMIC TESTING OF EQUIPMENT COULD RESULT IN DESIGN CHANGES AND/OR THE NEED TO PROCURE REPLACEMENT EQUIPMENT. THIS COULD IMPACT THE CONSTRUCTION SCHEDULE.

PROCUREMENT STATUS

COMMODITY	TOTAL ESTIMATE	ORDERED	RECEIVED
Large Bore Pipe Spools (EA)	11,520	11,520	11,520
Large Bore Pipe Hangers (EA)(NOTES 1,5)	15,178	15,035	14,884
Small Bore Pipe Hangers (EA)(NOTES 2,5)	10,524	9,598	9,449
Valves (EA) (NOTE 3)	13,079	13,079	12,642
Electrical Cables (LF) (NOTE 4)	7,079,593	7,381,718	7,270,727
Instrument Panels (EA)	1,185	1,185	1,145
Local Mounted Instruments (EA)	4,908	4,908	4,493

NOTE 1. Includes plumbing and draining

NOTE 2: Includes instrument air and tubing

NOTE 3: Of the 437 valves ordered but not received, 308 are spares and 129 are needed for construction. The attached MEMS-SIMS Report indicates current delivery status of these valves.

NOTE 4: 7,381,718 LF ordered to support estimate of 7,079,593 LF.

NOTE 5: Of the 300 large and small bore hangers ordered and not received, 151 will be on site within the next 14 weeks, satisfying the established field required dates (FRD). The remaining 149 have no FRD yet assigned.

The difference between those estimated and ordered is the projection of additional quantities resulting from the BOP walkdown.

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 1

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQJIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LOC	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
22300	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1E12-D303A	2				HOLD-BAQA		
22301	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1E12-D303B	2				HOLD-BAQA		
22302	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1E12-D304A	2				HOLD-BAQA		
22303	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1E12-D304B	2				HOLD-BAQA		
22304	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1G33-D303A	2				HOLD-BAQA		
22305	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1G33-D303B	2				HOLD-BAQA		
22306	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1G33-D304A	2				HOLD-BAQA		
22307	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1G33-D304B	2				HOLD-BAQA		
22308	K-2882-3 RD PIP			0001	PC .75	SS RESTRICTION DEVIC	1G33-D307	2				HOLD-BAQA		

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 1-58 1-62 PURCHASE RES ORDER QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
17395	K-2865A	PIP C-3952 0001 PC PV 6	CM GLOBE 132 M	0AS048A	R9	E08AUG83	31702002			ASA
17396	K-2865A	PIP C-3952 0001 PC PV 6	CM GLOBE 132 M	0AS048B	R9	E08AUG83	31702002			ASA

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 3

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQUIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 PURCHASE RES	ORDER	1-58 1-62 QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 2-57 AN XXXXX	T/O PKG
32577	X-2882-19	INS	C-33993	0001 PC PV 3/4	SS EFC 140CP	1CM003A	X2	E15AUG83	27000000	MNE		CMA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LOC	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
18854	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010A	9		E25AUG83		RIDER #17		DGA
18855	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010B	9		E25AUG83		RIDER #17		DGA
18856	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010C	9		E25AUG83		RIDER #17		DGA
18857	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010D	9		E25AUG83		RIDER #17		DGA
18858	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010E	9		E25AUG83		RIDER #17		DGA
18859	K-2865C	PIP	C-9861	0001	PC	PV 1.0 CHECK 106CP M	1DG010F	9		E25AUG83		RIDER #17		DGA

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 5

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQUIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 PURCHASE RES	ORDER	1-58 1-62 QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LD	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
88965	K-2882-19	INS	C-33993	0001 PC	PV 3/4 SS EFC 140CP	1SM008	X2	E15AUG83	27000000			FCA
88966	K-2882-19	INS	C-33993	0001 PC	PV 3/4 SS EFC 140CP	1SM009	X2	E15AUG83	27000000			FCA
88967	K-2882-19	INS	C-33993	0001 PC	PV 3/4 SS EFC 140CP	1SM010	X2	E15AUG83	27000000			FCA
88968	K-2882-19	INS	C-33993	0001 PC	PV 3/4 SS EFC 140CP	1SM011	X2	E15AUG83	27000000			FCA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LD	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
34375	K-2882-19	INS	C-33993	0001	PC VLV	0.75 EXFL CHECK	1E22-F328	F2		E15AUG83	28800000			HPA
34376	K-2882-19	INS	C-33993	0001	PC VLV	0.75 EXFL CHECK	1E22-F330	F2		E15AUG83	28800000			HPA
34377	K-2882-19	INS	C-33993	0001	PC VLV	0.75 EXFL CHECK	1E22-F332	F2		E15AUG83	28800000			HPA
34378	K-2882-19	INS	C-33993	0001	PC VLV	0.75 EXFL CHECK	1E22-F334	F2		E15AUG83	28800000			HPA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
32620	K-2882-21	PIP	C-34813	0001	PC VLV	1.50 GLOBE PDT 605CP	1B21-F067A	A1		E12AUG83	26762002	ORIG P O		MSA
32621	K-2882-21	PIP	C-34813	0001	PC VLV	1.50 GLOBE PDT 605CP	1B21-F067B	A1		E12AUG83	26762002	ORIG P O		MSA
32622	K-2882-21	PIP	C-34813	0001	PC VLV	1.50 GLOBE PDT 605CP	1B21-F067C	A1		E12AUG83	26762002	ORIG P O		MSA
32623	K-2882-21	PIP	C-34813	0001	PC VLV	1.50 GLOBE PDT 605CP	1B21-F067D	A1		E12AUG83	26762002	ORIG P O		MSA

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 9

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQUIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 PURCHASE RES ORDER	1-58 1-62 QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 2-57 AN XXXXX T/O PKG
16705	K-2882-16	PIP C-33462	0001 PC PV .75	GATE 1550CP SO	1PS037	2	E30SEP83		RIDER#2	NBA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62 E/A SITE DELIVERY	3-54 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
15667	K-2865G	PIP		0001	PC PV	.50 CHECK 1554CP	1PS003	9	E16SEP83		S&L HOLD		PSC
15683	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS004	2	E30SEP83		RIDER#2		PSC
15684	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS005	2	E30SEP83		RIDER#2		PSC
15668	K-2865G	PIP		0001	PC PV	.50 CHECK 1554CP	1PS008	9	E16SEP83		S&L HOLD		PSC
15687	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS009	2	E30SEP83		RIDER#2		PSC
15688	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS010	2	E30SEP83		RIDER#2		PSC
15669	K-2865G	PIP		0001	PC PV	.50 CHECK 1554CP	1PS015	9	E16SEP83		S&L HOLD		PSC
15670	K-2882-21	PIP	C-34813	0001	PC PV	.50 GLOBE 1550CP	1PS018	9	E04NOV83		RIDER #5		PSC
15671	K-2865G	PIP		0001	PC PV	.50 CHECK 1554CP	1PS021	9	E16SEP83		S&L HOLD		PSC
16344	K-2882-21	PIP	C-34813	0001	PC PV	.50 GLOBE 1550CP M	1PS024	2	E04NOV83		RIDER #5		PSC
15701	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS031	2	E30SEP83		RIDER#2		PSC
15702	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS032	2	E30SEP83		RIDER#2		PSC
15703	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS034	2	E30SEP83		RIDER#2		PSC
15704	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS035	2	E30SEP83		RIDER#2		PSC
15706	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS038	2	E30SEP83		RIDER#2		PSC
15711	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS044A	2	E30SEP83		RIDER#2		PSC
15712	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS044B	2	E30SEP83		RIDER#2		PSC
15713	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550 SO	1PS046A	9	E30SEP83		RIDER#2		PSC
15714	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550 SO	1PS046B	9	E30SEP83		RIDER#2		PSC
15716	K-2882-16	PIP	C-33462	0001	PC PV	.75 GATE 1550CP SO	1PS048	2	E30SEP83		RIDER#2		PSC
15721	K-2882-21	PIP	C-34813	0001	PC PV	.50 GLOBE 1550CP M	1PS057	2	E04NOV83		RIDER #5		PSC
15672	K-2882	PIP	C-22452	0001	PC PV	.38 CHECK 1554CP	1PS058	9	E16SEP83				PSC
15673	K-2882	PIP	C-22452	0001	PC PV	.38 CHECK 1554CP	1PS059	9	E16SEP83				PSC
15674	K-2882	PIP	C-22452	0001	PC PV	.38 CHECK 1554CP	1PS060	9	E16SEP83				PSC
15675	K-2882	PIP	C-22452	0001	PC PV	.38 CHECK 1554CP	1PS061	9	E16SEP83				PSC

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
15676	K-2882	PIP	C-22452	0001	PC PV .38	CHECK 1554CP	1PSD62	9		E16SEP83				PSC
15677	K-2882	PIP	C-22452	0001	PC PV .38	CHECK 1554CP	1PSD63	9		E16SEP83				PSC
15678	K-2882	PIP	C-22452	0001	PC PV .38	CHECK 1554CP	1PSD64	9		E16SEP83				PSC
15679	K-2882	PIP	C-22452	0001	PC PV .38	CHECK 1554CP	1PSD65	9		E16SEP83				PSC
15680	K-2882	PIP	C-22452	0001	PC PV .38	CHECK 1554CP	1PSD66	9		E16SEP83				PSC
16349	K-2882-21	PIP	C-34813	0001	PC PV .50	GLOBE 1550CP M	1PSD71	2		E04NOV83		RIDER #5		PSC

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 PURCHASE RES ORDER	2-7 QTY	1-58 UNT	1-62	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52, 2-57 AN XXXXX T/O PKG
14615	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344A	2		E12AUG83		RIDER #1	RDB
14616	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344B	2		E12AUG83		RIDER #1	RDB
14617	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344C	2		E12AUG83		RIDER #1	RDB
14618	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344D	2		E12AUG83		RIDER #1	RDB
14619	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344E	2		E12AUG83		RIDER #1	RDB
14620	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344F	2		E12AUG83		RIDER #1	RDB
14621	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344G	2		E12AUG83		RIDER #1	RDB
14622	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F344H	2		E12AUG83		RIDER #1	RDB
14623	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345A	2		E12AUG83		RIDER #1	RDB
14624	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345B	2		E12AUG83		RIDER #1	RDB
14625	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345C	2		E12AUG83		RIDER #1	RDB
14626	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345D	2		E12AUG83		RIDER #1	RDB
14627	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345E	2		E12AUG83		RIDER #1	RDB
14628	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345F	2		E12AUG83		RIDER #1	RDB
14629	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345G	2		E12AUG83		RIDER #1	RDB
14630	K-2882-21	PIP C-34813 0001	PC	PV	.50	GL 607CP M	1C11-F345H	2		E12AUG83		RIDER #1	RDB
18424	K-2869	PIP C-10987 0001	PC	PV	.75	X1 RELIEF 106CP	1C11-F351	Y9		E05OCT83	00000000		RDB
18425	K-2869	PIP C-10987 0001	PC	PV	.75	X1 RELIEF 1503CP	1C11-F352	Y9		E05OCT83	00000000		RDB
18426	K-2865C	PIP C-9861 0001	PC	PV	1.5	CHECK 1503CP	1C11-F356	Y9		E10AUG83	00000000	RIDER#14	RDB
22368	K-2882-18	INS C-31955 0001	PC	PV	0.50	GLOBE M RETAG FROM SPARE	1C11-F365D	X2		E16OCT83	27000000		RDB
22369	K-2882-18	INS C-31955 0001	PC	PV	0.50	GLOBE M RETAG FROM SPARE	1C11-F366A	X2		E16OCT83	27000000		RDB
22370	K-2882-18	INS C-31955 0001	PC	PV	0.50	GLOBE M RETAG FROM SPARE	1C11-F366B	X2		E16OCT83	27000000		RDB
22371	K-2882-18	INS C-31955 0001	PC	PV	0.50	GLOBE M RETAG FROM SPARE	1C11-F367A	X2		E16OCT83	27000000		RDB

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 13

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQUIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66	3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
22372	K-2882-18	INS	C-31955 0001	PC	PV 0.50 GLOBE RETAG FROM SPARE		M 1C11-F367B		X2	E16OCT83	27000000			RDB
22373	K-2882-18	INS	C-31955 0001	PC	PV 0.50 GLOBE RETAG FROM SPARE		M 1C11-F368A		X2	E16OCT83	27000000			RDB
22374	K-2882-18	INS	C-31955 0001	PC	PV 0.50 GLOBE RETAG FROM SPARE		M 1C11-F368B		X2	E16OCT83	27000000			RDB
22375	K-2882-18	INS	C-31955 0001	PC	PV 0.50 GLOBE RETAG FROM SPARE		M 1C11-F369A		X2	E16OCT83	27000000			RDB
22376	K-2882-18	INS	C-31955 0001	PC	PV 0.50 GLOBE RETAG FROM SPARE		M 1C11-F369B		X2	E16OCT83	27000000			RDB

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 1-58 1-62 PURCHASE RES ORDER QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
15709	K-2882-16	PIP C-33462 0001 PC PV .75	GATE 1550CP SO	1PS043A	2	E30SEP83		RIDER#2		R4A
15710	K-2882-16	PIP C-33462 0001 PC PV .75	GATE 1550CP SO	1PS043B	2	E30SEP83		RIDER#2		R4A

IPC MATERIAL/EQUIPMENT MONITORING SYSTEM (MEMS) PAGE 15

PROJECT - DAVE HODGSON SORT - T/O PKG SUBSORT EQJIP# REPORT DATE 04AUG83

REPORT - B A PROJECT ENGINEERING E/A-EXPECTED/ACTUAL DATA CUTOFF DATE 04AUG83

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LOC	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
97244	XK-2869	PIP		0001	PC VLV	.75X1.0 RELIEF	1E51-F017	A2			26712002	VOID-S&L		RIA
84177	K-2882-21	PIP	C-34813	0001	PC VLV	2.00 GLOBE 907CP MO	1E51-F013	A1		E04NOV83	26737002	RIDER #5		RIA
84184	K-2882-21	PIP	C-34813	0001	PC VLV	2.00 GLOBE 907CP MO	1E51-F046	A1		E04NOV83	26707002	RIDER #5		RIA
32579	K-2882-19	INS	C-33993	0001	PC VLV	.75 EXFL CHECK	1E51-F377A	X2		E15AUG83	27867002			RIA
32580	K-2882-19	INS	C-33993	0001	PC VLV	.75 EXFL CHECK	1E51-F377B	X2		E15AUG83	27867002			RIA
32581	K-2882-19	INS	C-33993	0001	PC VLV	.75 EXFL CHECK	1E51-F377C	X2		E15AUG83	27867002			RIA
32582	K-2882-19	INS	C-33993	0001	PC VLV	.75 EXFL CHECK	1E51-F377D	X2		E15AUG83	27867002			RIA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 PURCHASE RES	2-7 ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LOC	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
15715	K-2882-16	PIP	C-33462	0001	PC PV .75	GATE 1550CP SO	1PS067	2		E30SEP83		RIDER#2		RIA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
10285	K-2882-21	PIP	C-34813	0001	PC	VLV 2.00 GLOBE 155CP MO	1C41-F317	2		E04NOV83		RIDER #5		SCA
10286	K-2882-21	PIP	C-34813	0001	PC	VLV 2.00 GLOBE 155CP MO	1C41-F318	2		E04NOV83		RIDER #5		SCA
13144	K-2866A	PIP		0001	PC	3.00 CHECK	1C41-F336					OUT FOR BI D		SCA
14876	K-2882-21	PIP	C-34813	0001	PC	PV 2.0 GL 155CP M	1C41-F339	2		E12AUG83		RIDER #4		SCA
18844	K-2882-21	IPC	C-34813	0001	PC	PV .75 GLOBE 155 M	1C41-F340A	2		E04NOV83		RIDER #5		SCA
18845	K-2882-21	IPC	C-34813	0001	PC	PV .75 GLOBE 155 M	1C41-F340B	2		E04NOV83		RIDER #5		SCA
18846	K-2882-21	IPC	C-34813	0001	PC	PV .75 GLOBE 155 M	1C41-F341A	2		E04NOV83		RIDER #5		SCA
18847	K-2882-21	IPC	C-34813	0001	PC	PV .75 GLOBE 155 M	1C41-F341B	2		E04NOV83		RIDER #5		SCA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 RES	2-7 PURCHASE ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
32573	K-2882-19	INS	C-33993	0001	PC	PV 3/4 CM EFC	140CP 1CMD01A	X2		E15AUG83	27000000	MNE		SFA
32574	K-2882-19	INS	C-33993	0001	PC	PV 3/4 CM EFC	140CP 1CMD01B	X2		E15AUG83	27000000	MNE		SFA
32575	K-2882-19	INS	C-33993	0001	PC	PV 3/4 CM EFC	140CP 1CMD02A	X2		E15AUG83	27000000	MNE		SFA
32576	K-2882-19	INS	C-33993	0001	PC	PV 3/4 CM EFC	140CP 1CMD02B	X2		E15AUG83	27000000	MNE		SFA
32578	K-2882-19	INS	C-33993	0001	PC	PV 3/4 CM EFC	140CP 1CMD03B	X2		E15AUG83	27000000	MNE		SFA
13221	K-2882-21	PIP	C-34813	0001	PC	PV 0.75 GLOBE TOBE TAGGED FRMIPC501	1E51-F416A			E16SEP83				SFA
13223	K-2882-21	PIP	C-34813	0001	PC	PV 0.75 GLOBE TOBE TAGGED FRMIPC502	1E51-F416C	A		E16SEP83	26737000			SFA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 1-58 1-62 PURCHASE RES	ORDER	QTY	UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LO	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
34541	K-2864	PIP	C-11513	0001	PC	PV 1.5 CS CV AO 107CP	1SX209	3		E15AUG83				SXA
16412	K-2866A	PIP	C-2513	0001	PC	PV 2.5 GATE 107CP M TOBE TAGGEDFROM SPARE	1SX224	3		E25JUL83				SXA
16413	K-2866A	PIP	C-2513	0001	PC	PV 2.5 GATE 107CP M TOBE TAGGEDFROM SPARE	1SX225	3		E25JUL83				SXA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 1-58 1-62 PURCHASE RES ORDER QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 2-57 AN XXXXX	T/O PKG
18755	K-2911	PIP C-16825 0001 PC PV 1.0	BALL 344CP M	OVC105A	3	E31AUG83			N/A	VCA
18756	K-2911	PIP C-16825 0001 PC PV 1.0	BALL 344CP M	OVC105B	3	E31AUG83			N/A	VCA
18757	K-2911	PIP C-16825 0001 PC PV 1.0	BALL 344CP M	OVC106A	3	E31AUG83			N/A	VCA
18758	K-2911	PIP C-16825 0001 PC PV 1.0	BALL 344CP M	OVC106B	3	E31AUG83			N/A	VCA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 1-58 1-62 PURCHASE RES ORDER QTY UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 3-62 LOC	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
18759	K-2911	PIP C-16825 0001 PC PV .25	NEEDLE M	OVG051A		E31AUG83			N/A	VGA
18760	K-2911	PIP C-16825 0001 PC PV .25	NEEDLE M	OVG051B		E31AUG83			N/A	VGA
18761	K-2911	PIP C-16825 0001 PC PV .25	NEEDLE M	OVG051C		E31AUG83			N/A	VGA
18762	K-2911	PIP C-16825 0001 PC PV .25	NEEDLE M	OVG051D		E31AUG83			N/A	VGA

2 DP SEQ	1-8 MATERIAL IDENT.	2-20 2-7 PURCHASE RES ORDER	1-58 QTY	1-62 UNT	1-33 DESCRIPTION	1-20 EQUIPMENT NUMBER	1-66 LOC	3-62	3-54 E/A SITE DELIVERY	2-34 LOCATION CODE	2-42 AN XXXXXXXXXX	2-52 AN XXXXX	2-57 T/O PKG
48090	K-2865C	PIP C-9861	0001	PC	PV 1.5 CS GB M 100	OWO215A	R9		E25AUG83	31737015			WOB
48091	K-2865C	PIP C-9861	0001	PC	PV 1.5 CS GB M 100	OWO215B	R9		E25AUG83	31737015			WOB
48134	K-2865C	PIP C-9861	0001	PC	PV 1.5 CS GB M 100	OWO222A	R9		E25AUG83	31737022			WOB
48135	K-2865C	PIP C-9861	0001	PC	PV 1.5 CS GB M 100	OWO222B	R9		E25AUG83	31737021			WOB

SPARE PARTS STATUS

LINE ITEMS	SPECIAL	COMMERCIAL GRADE	TOTAL
Identified/Not Req.	670	424	1,094
Requisition Prepared	4,471	4,936	9,407
P.O. Written/Not Rec'd	164	2,734	2,898
Received	604	9,487	10,091
Not Identified	91	419	510
Total	6,000	18,000	24,000

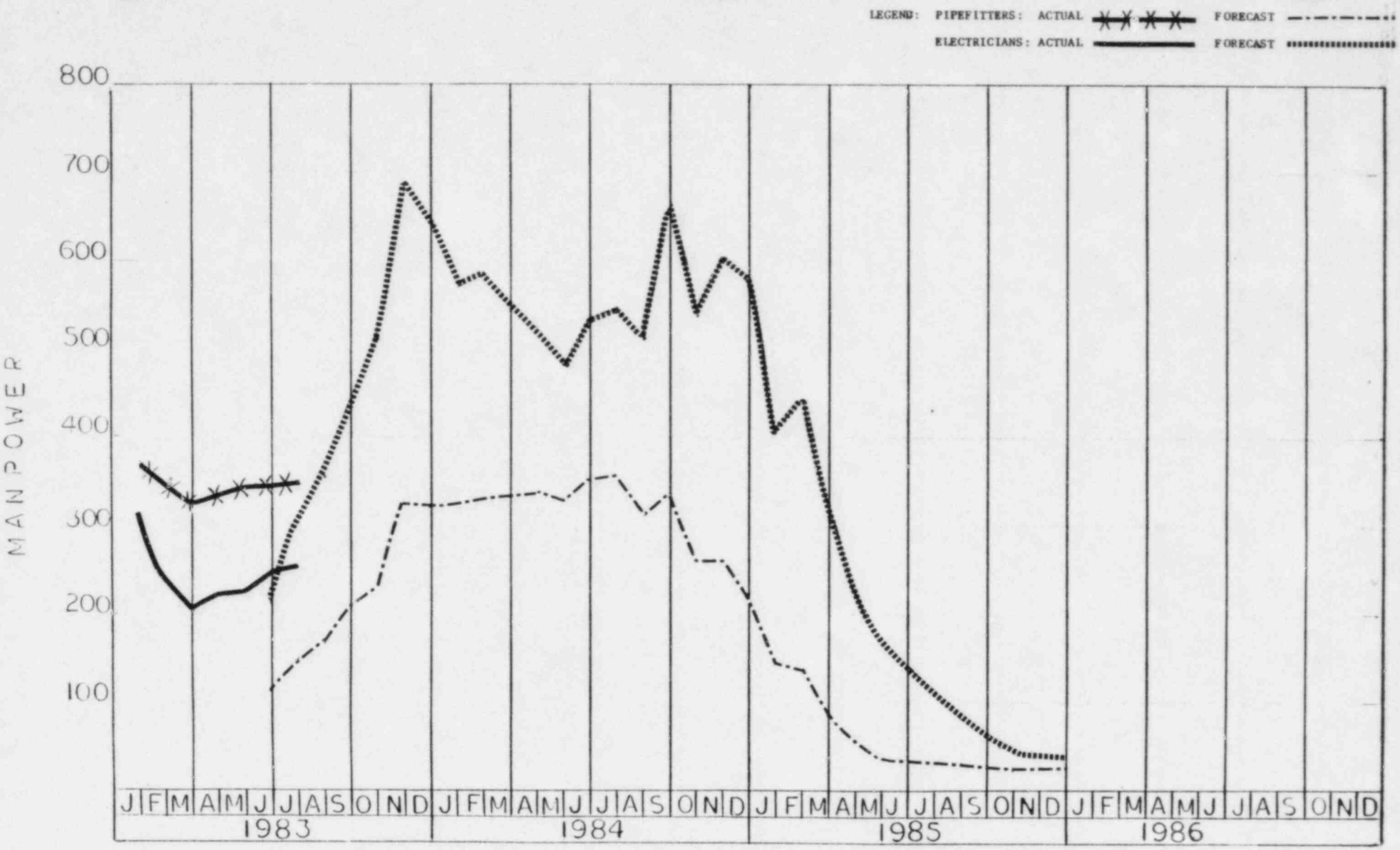
NOTE: The requisition backlog experienced as a result of the procurement stop work order is impacting the availability of spare parts. The current requisition backlog of 9407 could pose problems in supporting the turnover schedule. Corrective measures ongoing include:

(1) Incorporating procedures to accept GE classification and technical requirements of spare parts supplied by GE (3500 requisitions).

(2) Apply similar methodology to Westinghouse spare parts (400 requisitions).

(3) Evaluate and revise present manning levels and procedures.

The remaining backlog will be addressed in a priority consistent with the system turnover schedule.


LEGEND: PIPEFITTERS: ACTUAL FORECAST
ELECTRICIANS: ACTUAL FORECAST
MANPOWER
800
700
600
500
400
300
200
100
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1983
1984
1985
1986

PLANNED MANPOWER TOTALS (1983)
(EQUIVALENT NO. OF PERSONNEL)

MONTH	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
ELECTRICIANS	212	311	358	442	511	687	651
PIPEFITTERS	113	150	167	210	234	327	323
SUBCONTRACTORS	90	133	146	176	241	302	330
OTHER	387	463	515	526	537	576	560
TOTAL	802	1057	1186	1354	1523	1892	1864

PLANNED MANPOWER TOTALS
(EQUIVALENT NO. OF PERSONNEL)

YEAR 1984 / MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
ELECTRICIANS	576	586	542	528	483	531	548	519	635	546	601	585
PIPEFITTERS	326	335	319	340	330	354	359	315	339	261	261	224
SUBCONTRACTORS	319	367	359	400	383	387	389	356	415	336	374	371
OTHER	540	520	487	496	482	499	480	450	449	417	396	386
TOTAL	1761	1808	1707	1764	1678	1771	1776	1640	1838	1560	1632	1566

YEAR 1985 / MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
ELECTRICIANS	413	442	324	228	168	142	112	83	68	48	46	42
PIPEFITTERS	147	140	88	58	34	36	33	32	30	25	28	26
SUBCONTRACTORS	272	332	315	282	256	243	212	168	168	131	140	97
OTHER	305	317	270	246	219	220	200	201	174	165	156	155
TOTAL	1137	1231	997	814	677	641	557	484	440	369	370	320

UNION CONTRACT STATUS

LOCAL	CRAFT	CONTRACT EXPIRATION DATE	LOCATION
703	Laborers	April 30, 1984	Champaign
63	Carpenters	April 30, 1984	Bloomington
965	Operating Engineers	April 30, 1984	Springfield
26	Teamsters	April 30, 1984	Danville
380	Ironworkers	April 30, 1984	Champaign
146	Electricians	May 31, 1984	Decatur
65	Pipefitters	June 15, 1984	Decatur
60	Boilermakers	August 31, 1983	Peoria
63	Millwrights	April 30, 1984	Bloomington
63	Surveyors	April 30, 1984	Bloomington

NOTE: There is currently a no strike agreement with the unions, thus averting any major labor dispute.

PIPE HANGER STATUS

ITEM	TOTAL ESTIMATE	ORDERED	RECEIVED	INSTALLED	REQUIRES REWORK
Large Bore	15,178	15,035	14,884	13,740	3925
Small Bore	10,524	9,598	9,449	3,303	703

NOTE 1: Small bore hanger numbers include those for instrument air and tubing. Large bore hanger numbers include plumbing and draining.

NOTE 2: Rework estimate based on workshop information which indicated 29 percent (large Bore) and 23 percent (Small Bore) and an approximate M-Hr. rate of 18 MHRS/hanger.

NOTE 3: Rework on hangers to be installed is factored into the estimated unit rate.

NOTE 4: Restraints and snubbers are included as part of the pipe hanger status.

CRITICAL PATH

ITEM: EVENTS LEADING TO INTEGRATED FLUSH

PATH 1: Structural steel modifications, restraining downcomers, quencher and strainer installation to support filling of the suppression pool required for flushing and testing of RHA (Residual Heat Removal), LPA (LP Core Spray), HPA (HP Core Spray), and RIA (Reactor Core Isolation CLG) systems.

Activities in Level 3 schedules have been resequenced, improving the construction schedule by 3 weeks.

PATH 2: Rework and installation of cable tray and hangers, conduit and hangers that support cable pulling and terminations required for systems which support integrated flush.

The electrician work force will be increased by 200 during the month of August and closely monitored for productivity. Two shift operation will be initiated if considered necessary to maintain schedule.

PATH 3: Installation of large and small bore pipe, hangers and whip restraints, restraining installation of instrument tubing inside containment, required to support NSSS systems turnovers.

PATH 3: (cont.)

Traveler backlog associated with large and small bore pipe is restraining the start of these activities. The splitting up of work packages reflecting large amounts of work into smaller packages, augmentation and reallocation of manpower, procedural changes stressing timely inspections in support of the quality recovery effort, and a computerized traveler tracking system all are positive measures aimed at reducing this backlog.

PERCENT COMPLETE PROFILE

(Events Leading Up To Fuel Load)

Year	MONTH	MONTHLY GOAL	CUMULATIVE GOAL
1983	May	.3	80.6
	Jun	.3	80.9
	Jul	.3	81.2
	Aug	.4	81.6
	Sept	.5	82.1
	Oct	.5	82.6
	Nov	.6	83.2
	Dec	.8	84.0
1984	Jan	.8	84.8
	Feb	.8	85.6
	Mar	.8	86.4
	Apr	.8	87.2
	May	.9	88.1
	Jun	.9	89.0
	Jul	.9	89.9
	Aug	.9	90.8
	Sept	.9	91.7
	Oct	.9	92.6
	Nov	.9	93.5
	Dec	.9	94.4
1985	Jan	.7	95.1
	Feb	.6	95.7
	Mar	.5	96.2
	Apr	.5	96.7
	May	.3	97.0
	Jun	.3	97.3
	Jul	.2	97.5
	Aug	.2	97.7
	Sept	.2	97.9
	Oct	.1	98.0
	Nov	.1	98.1
	Dec	.1	98.2

COMMODITY	JULY		CUMMULATIVE	
	Qty. Install.	Earned Mhr's	Qty. Install	Earned Mhr's
Emergency Operating Facility	9.02 %	6,774	27.50 %	21,166
Formwork	0 SF	0	2,980,533 SF	2,796,519
Rebar	0 TN	0	32,176 TN	1,532,093
Concrete	0 CY	0	269,386 CY	894,554
Point and Patch	0 SF	0	2,600,805 SF	166,496
Structural Steel	0 TN	0	4,924 TN	142,900
Gallery Steel	7515 LB	489	1,313,766 LB	89,198
Masonry	375 EA	125	1,602,003 EA	269,102
Excavating and Backfill	560 CY	228	280,754 CY	118,929
Balance of Civil	N/A	3,684	N/A	2,328,938
Large Bore Pipe - ER	1 LF	3	362,415 LF	979,044
Large Bore Pipe - WD	5 EA	57	18,876 EA	208,566
Large Bore Pipe - HGR.	41 EA	3,259	13,591 EA	475,538
Small Bore Pipe - ER	125 LF	303	194,980 LF	461,679
Small Bore Pipe - HGR.	70 EA	2,061	3,058 EA	93,942
Instrument Piping - ER	0 LF	0	182,377 LF	195,641
Instrument Piping - HRG.	0 EA	0	159 EA	5,545
Instrument Air - Pipe	0 LF	0	36,402 LF	60,161
Instrument Air - HGR.	27 EA	252	86 EA	671
Local Mount. Instr.	0 EA	0	1,284 EA	25,867
Balance of Piping	N/A	4,392	N/A	779,321
Total Mechanical	N/A	4,220	N/A	1,055,748
Cable Tray - ER	0 LF	0	93,335 LF	352,804
Cable Tray - HGR.	6 EA	(218)	2,882 EA	454,015
Cable Tray Auxiliary Steel	5 EA	455	1,422 EA	115,930
Cable Tray Attachments	7 EA	169	245 EA	6,415
Exposed Conduit	726 LF	(235)	415,265 LF	548,192
Conduit Hangers	150 EA	4,485	16,910 EA	593,714
Conduit Auxiliary Steel	16 EA	(28)	2,879 EA	169,248
Cable Pulls	8,759 LF	494	3,068,245 LF	293,233
Cable Terminations	572 EA	315	110,051 EA	58,204
Lighting Fixtures	95 EA	1,177	9,675 EA	88,607
Lighting Conduit	1,077 LF	616	439,312 LF	176,079
Lighting Wire	3,426 LF	200	993,273 LF	38,714
Communication Conduit	128 LF	134	68,180 LF	47,046
Communication Wire	100 LF	7	102,173 LF	10,852
Balance of Electrical	N/A	2,515	N/A	759,918
Subcontracts	N/A	1,784	N/A	1,110,464
Total	N/A	37,717	N/A	17,525,053

PERCENT COMPLETE

This month
37,717 ÷ 21,624,009 = 0.17%

To-Date
17,525,053 ÷ 21,624,009 = 81.0 %

COMMODITY INSTALLATION STATUS

(As of July 31, 1983)

COMMODITY	U/M	ESTIMATED QUANTITY	INSTALLED TO DATE	PERCENT INSTALLED
Concrete	CY	269,740	269,386	99.9%
Lg. Bore Pipe	LF	365,096	362,415	99.3%
Sm. Bore Pipe	LF	208,362	194,980	93.6%
Lg. Bore Hgrs.	EA	15,035	13,740	91.4%
Sm. Bore Hgrs.	EA	9,598	3,303	34.4%
Cable Tray	LF	97,568	93,335	95.7%
Total CDT.	LF	1,320,419	1,134,524	85.9%
Exposed CDT.	LF	539,585	415,265	77.0%
Power Cable	LF	957,815	534,045	55.8%
Control Cable	LF	2,927,316	1,732,560	59.2%
Instr. Cable	LF	1,395,671	679,671	48.7%
Security Cable	LF	175,664	121,969	69.4%
Lighting Cable	LF	1,471,260	993,273	67.5%
Conduit Hgrs.	EA	24,708	16,910	68.4%
Power Terms	EA	30,179	15,053	49.9%
Control Terms	EA	142,211	72,754	51.2%
Security Terms	EA	8,446	2,723	32.2%
Instr. Terms	EA	50,457	19,521	38.7%
Instruments	EA	2,185	1,446	66.2%
Instr. Tubing	LF	262,957	218,779	83.2%
Commun. Wire	LF	151,867	102,173	67.3%
Power Circuits	EA	5,051	2,781	55.1%
Control Circuits	EA	12,674	7,277	57.4%
Instr. Circuits	EA	6,198	3,161	51.0%

NOTE 1: As of May 31, 1983 the installed quantities and those scheduled to date were equal.

NOTE 2: Data on plant lighting terminations not available

COMMODITY INSTALLATION STATUS

COMMODITY	U/M	UNIT RATE ESTIMATED	UNIT RATE TO-DATE
CONCRETE	CY	3.33	3.32
LG. BORE PIPE	LF	2.62	2.55
SM. BORE PIPE	LF	2.40	2.21
LG. BORE HGRS.	EA	40.13	32.55
SM. BORE HGRS.	EA	32.84	52.37
CABLE TRAY	LF	3.82	3.23
TOTAL CDT.	LF	.88	.75
EXPOSED CDT.	LF	1.47	1.27
POWER CABLE	LF	.17	.17
CONTROL CABLE	LF	.09	.10
INSTR. CABLE	LF	.06	.06
SECURITY CABLE	LF	.03	.03
LIGHTING CABLE	LF	.04	.04
CONDUIT HGRS.	EA	35.19	36.22
POWER TERMS	EA	1.44	1.19
CONTROL TERMS	EA	.41	.41
SECURITY TERMS	EA	.53	.43
INSTR. TERMS	EA	.49	.55
INSTRUMENTS	EA	18.04	21.57
INSTR. TUBING	LF	1.52	1.37
COMMUN. WIRE	LF	.06	.07

INSTALLATION RATES COMPARISON

COMMODITY	SCHEDULED INSTALLATION/MTH.			EXPERIENCED INSTALLATION/MTH.		LENGTH OF TIME FOR WHICH EXPERIENCED AVERAGE PEAK SUSTAINED
	AVERAGE PEAK	TO COMPLETE AVERAGE		AVERAGE PEAK	TO DATE AVERAGE	
Large Bore Pipe(LF)	219	143		4,392	2,224	10 Months
Small Bore Pipe(LF)	831	588		6,669	3,896	13 Months
Large Bore Hangers	74	65		199	149	18 Months
Small Bore Hangers	172	95		Data Not Available		13 Months
Electrical Conduit	10,605	6,837		22,836	13,367	15 Months
Power Cable	28,230	15,872		25,755	12,576	8 Months
Control & Instr. Cable	133,416	66,400		126,086	68,496	7 Months
Conduit Hangers	409	289		666	442	17 Months
Cable Terminations	6,541	3,952		5,692	3,144	14 Months
Instrument Tubing	2,426	1,751		9,265	5,820	14 Months

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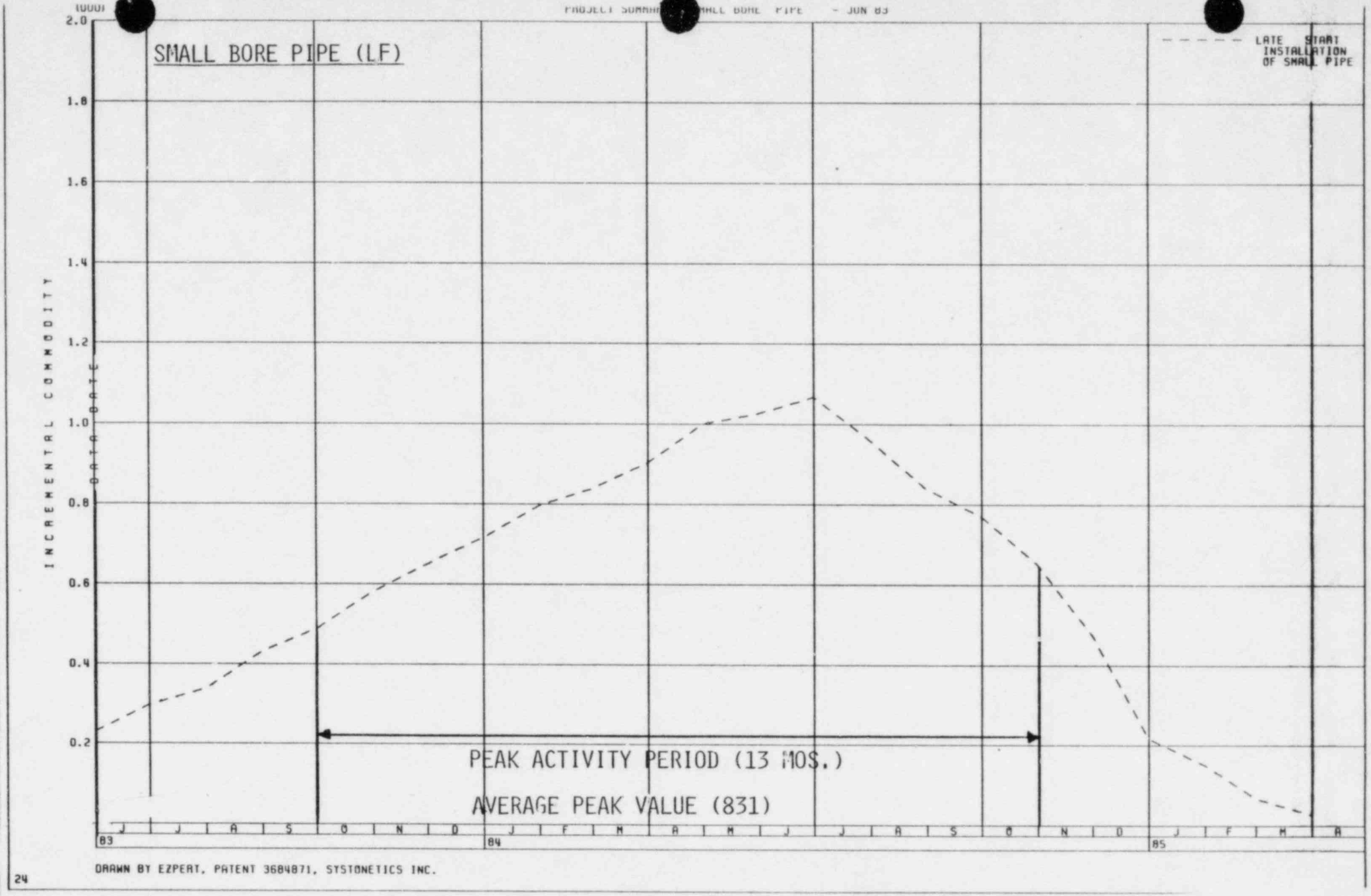

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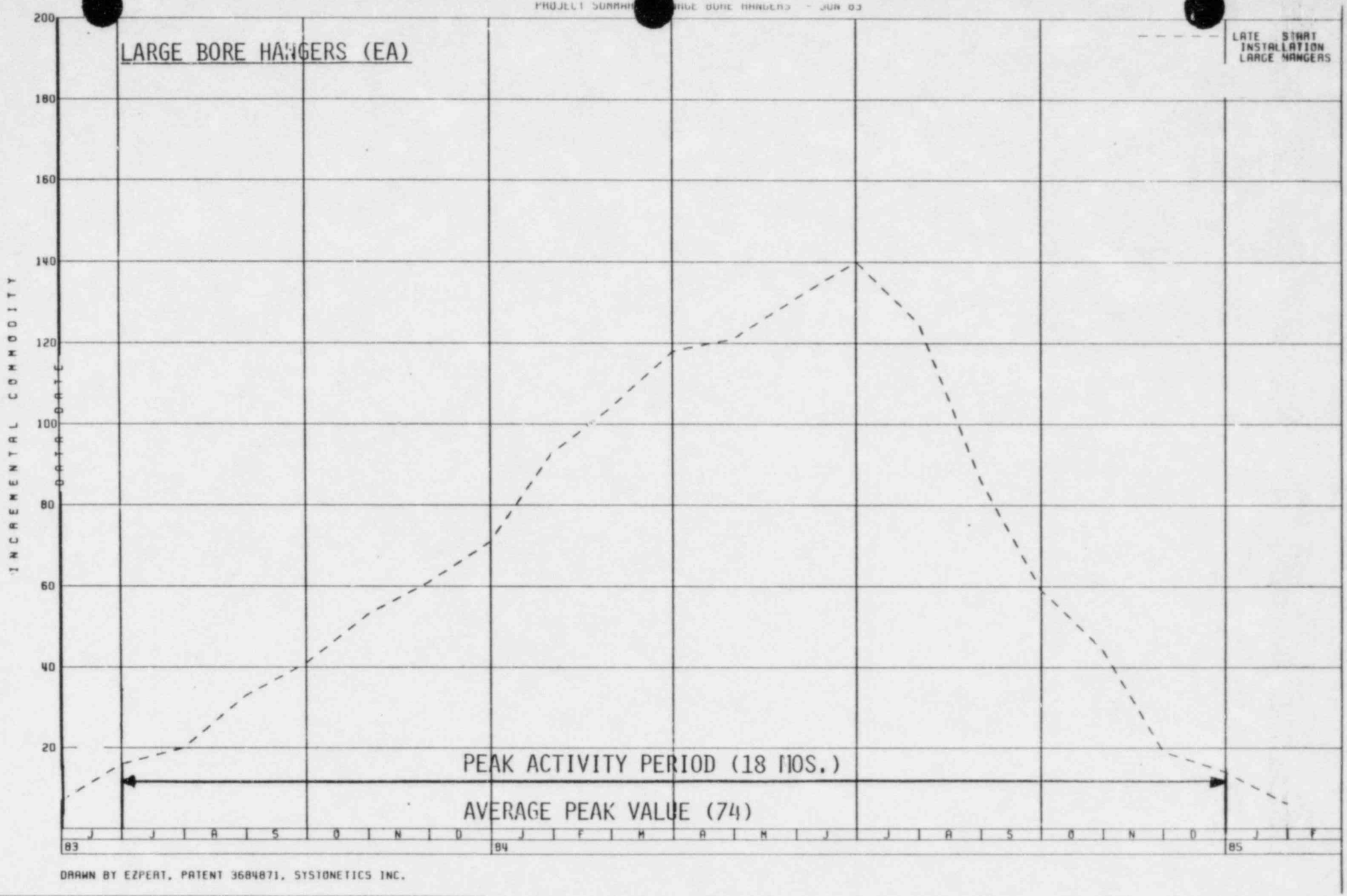

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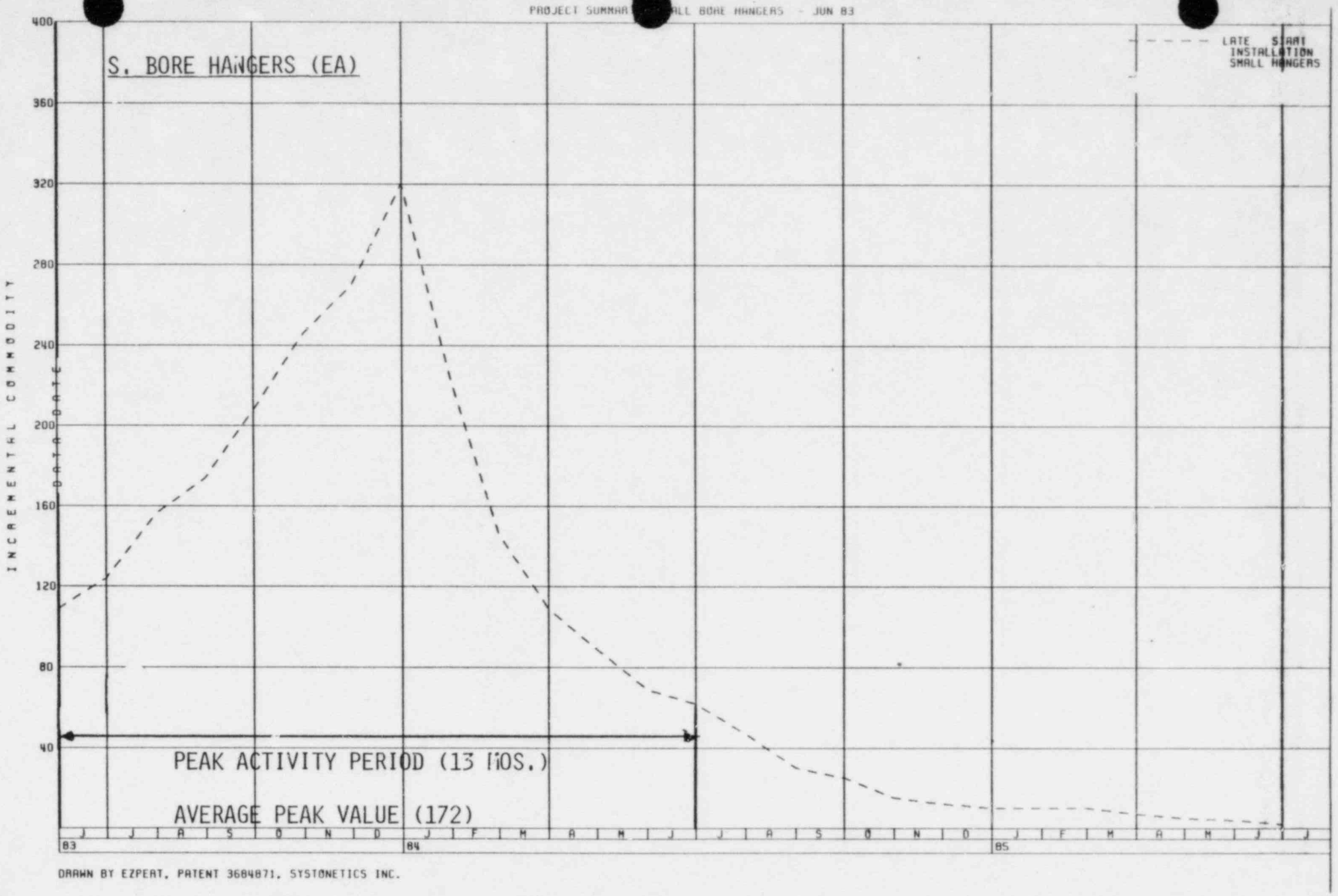
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S. BORE HANGERS (EA)
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400
360
320
280
240
200
160
120
80
40
PEAK ACTIVITY PERIOD (13 MOS.)
AVERAGE PEAK VALUE (172)
J J A S O N D J F M A M J J A S O N D J F M A M J J
83
84
85
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(000)
PROJECT SUM L O N D U I T - JUN 83
LATE START INSTALLATION OF CONDUIT
CONDUIT (LF)
INCREMENTAL COMMODITY DATA DATE
20
18
16
14
12
10
8
6
4
2
PEAK ACTIVITY PERIOD (15 MOS.)
AVERAGE PEAK VALUE (10,605)
J J A S O N D J F M A M J J A S O N D J F M A M J J A S O
83
84
85
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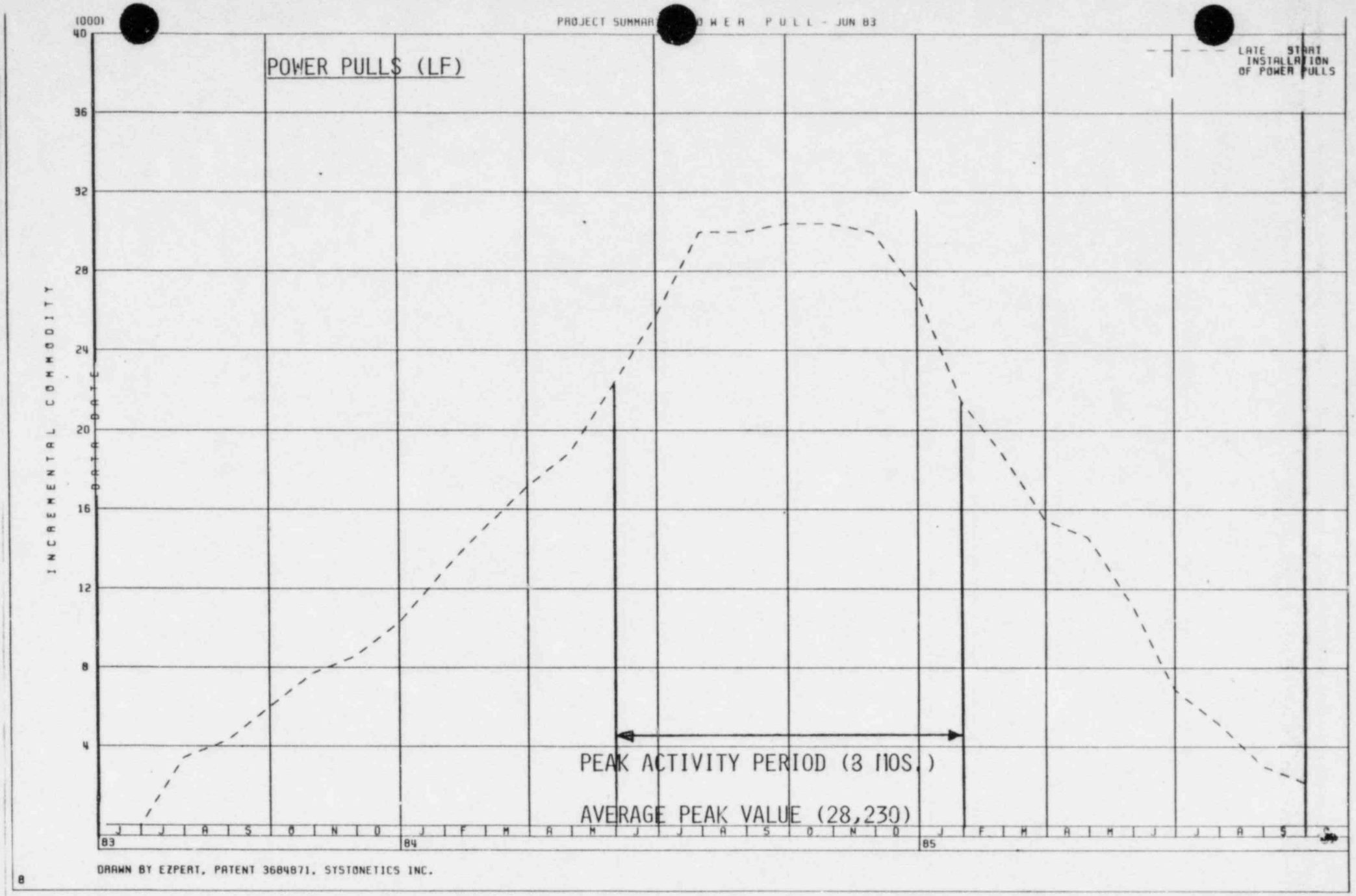
(000)
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POWER PULLS (LF)
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INCREMENTAL COMMODITY DATE
40
36
32
28
24
20
16
12
8
4
PEAK ACTIVITY PERIOD (3 MOS.)
AVERAGE PEAK VALUE (28,230)
J J A S O N D J F M A M J J A S O N D J F M A M J J A S
83
84
85
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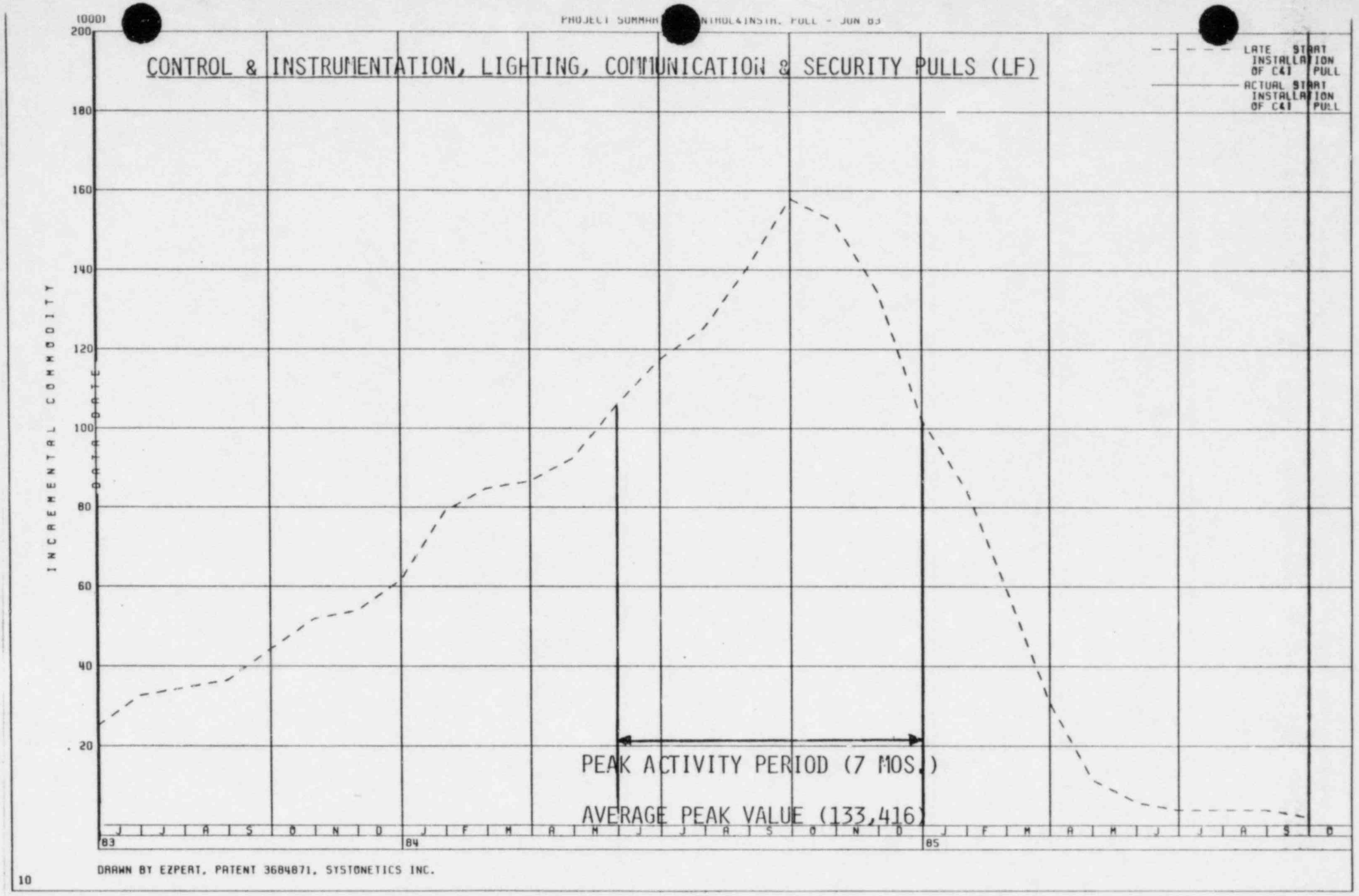

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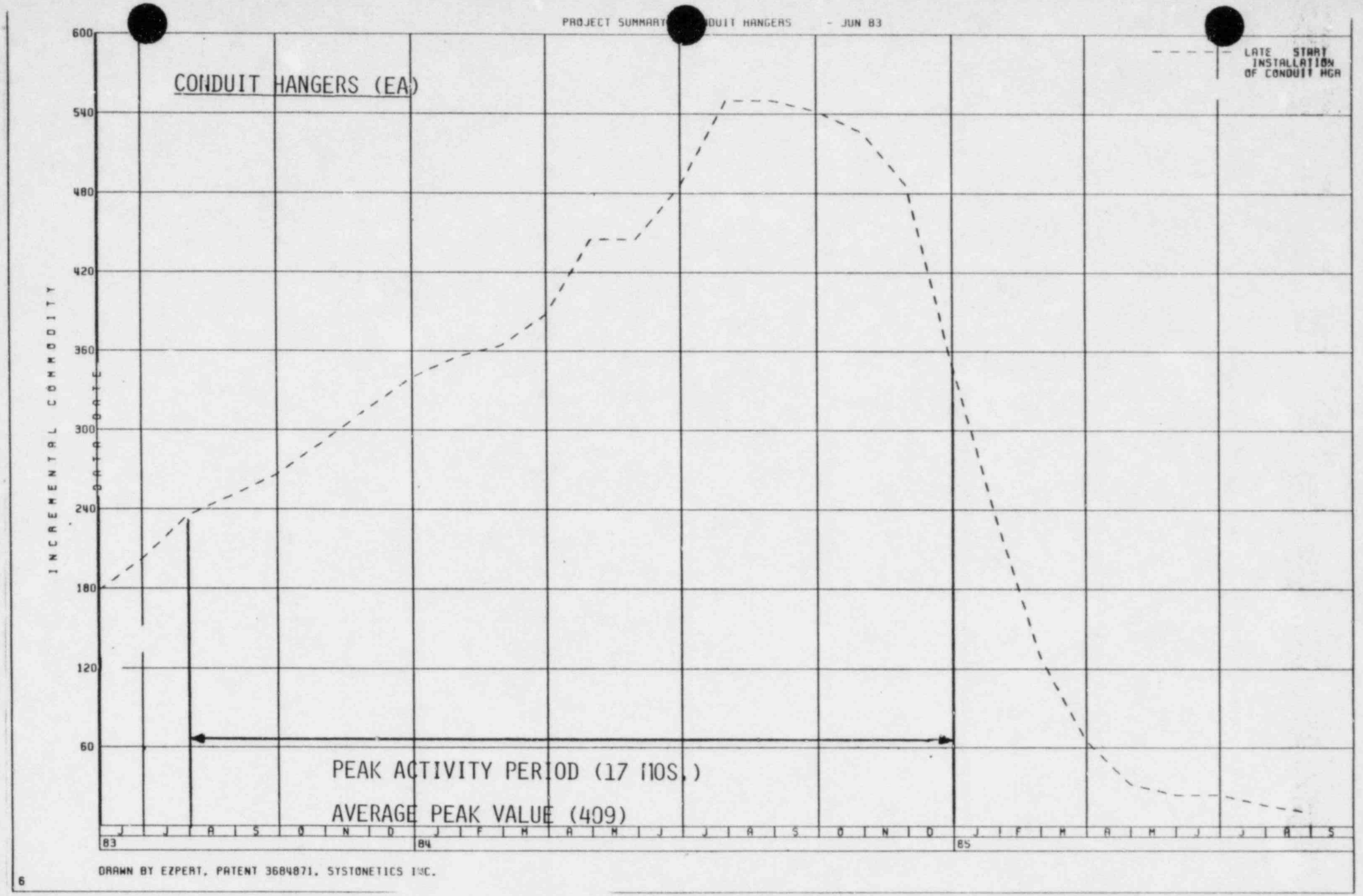
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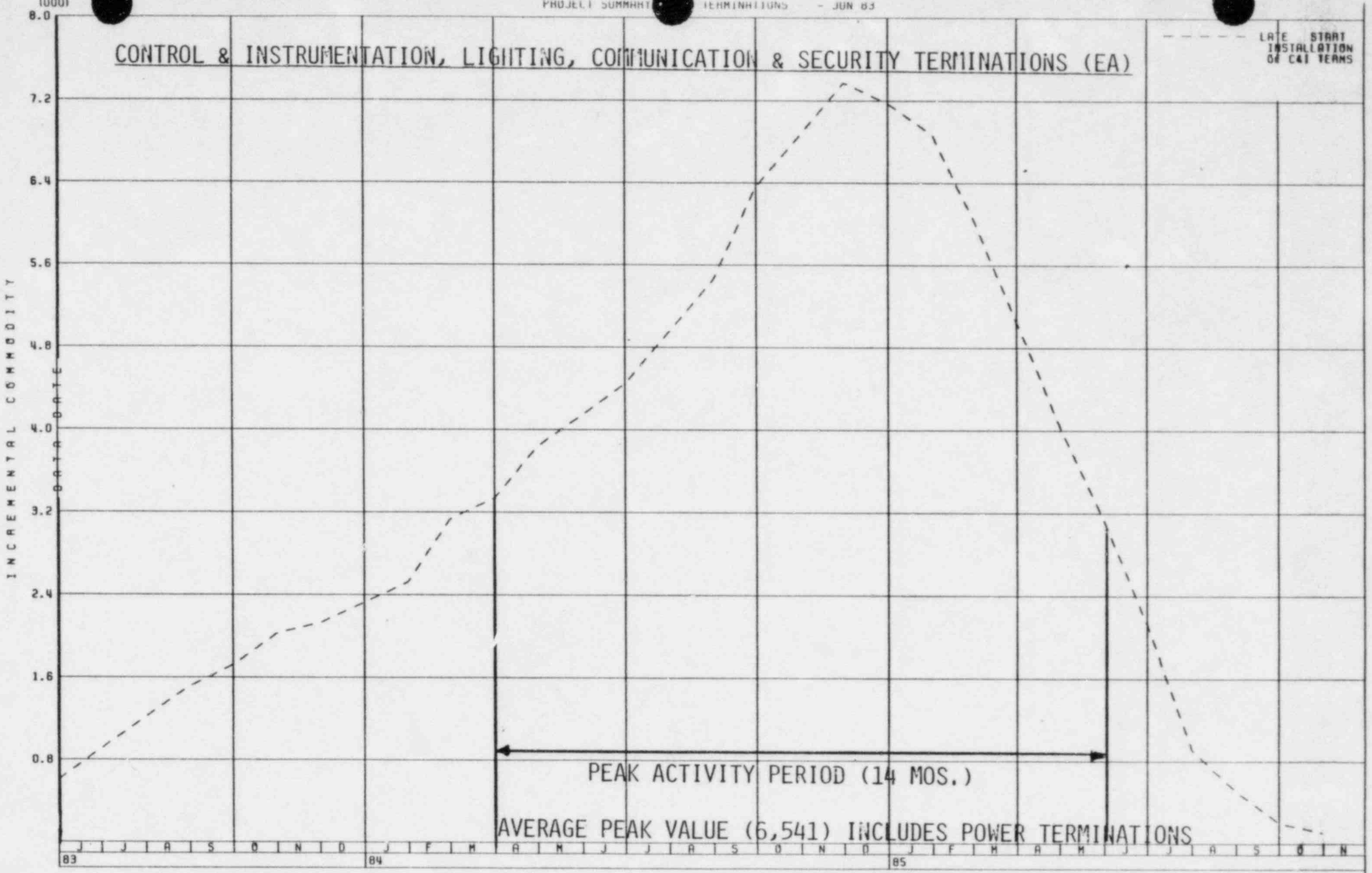
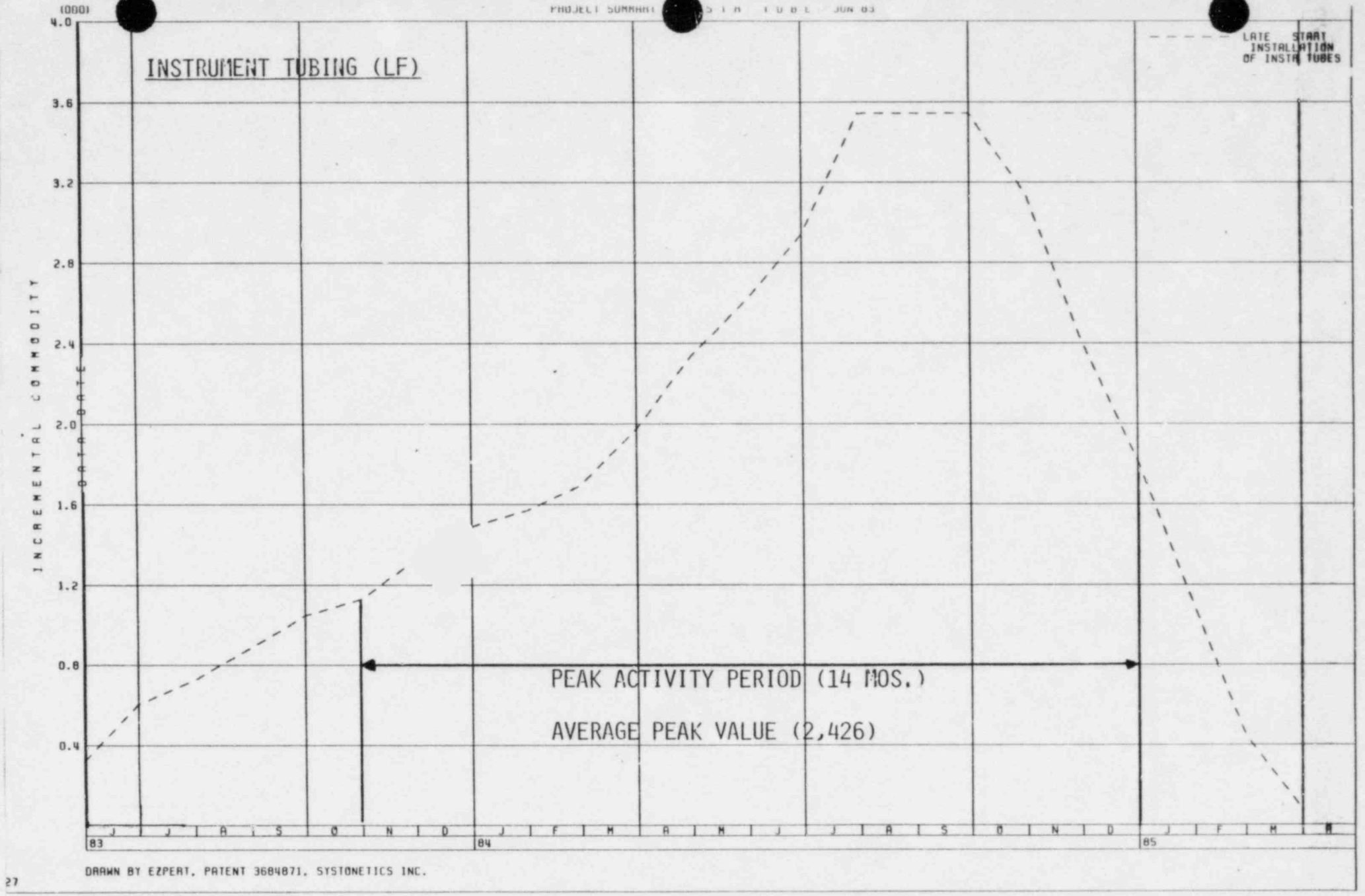
CONDUIT HANGERS (EA)
LATE START INSTALLATION OF CONDUIT HGR
INCREMENTAL COMMODITY
DATA DATE
600
540
480
420
360
300
240
180
120
60
PEAK ACTIVITY PERIOD (17 MOS.)
AVERAGE PEAK VALUE (409)
J J A S O N D J F M A M J J A S O N D J F M A M J J A S
83
84
85
DRAWN BY EZPERT, PATENT 3684871, SYSTONETICS INC.



DRAWN BY EZPERT, PATENT 3684871, SYSTONETICS INC.


(1000)
PROJECT SUMMARY POWER TEAM - JUN 83
POWER TERMS (EA)
LATE START INSTALLATION OF POWER TEAM
INCREMENTAL COMMODITY DATA BASE
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
PEAK ACTIVITY PERIOD (14 MOS.)
AVERAGE PEAK VALUE (6,541) INCLUDES C&I TERMINATIONS
J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N
83
84
85
DRAWN BY EZPERT, PATENT 3684871, SYSTONETICS INC.


(000)
INSTRUMENT TUBING (LF)
LATE START INSTALLATION OF INSTR TUBES
INCREMENTAL COMMODITY DATA RATE
4.0
3.6
3.2
2.8
2.4
2.0
1.6
1.2
0.8
0.4
PEAK ACTIVITY PERIOD (14 MOS.)
AVERAGE PEAK VALUE (2,426)
J J A S O N D J F M A M J J A S O N D J F M A
83
84
85
DRAWN BY EZPERT, PATENT 3684871, SYSTONETICS INC.

P-PLANNED
A-ACTUAL
V-VARIANCE

PROJECT COMMODITY INSTALLATION

PIPING

		1983							1984												1985										1986
YEAR																															
MONTH		J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
LARGE BORE PIPE	P	49	71	73	128	144	168	193	234	250	293	302	274	198	133	79	49	35	24	20													
	A	35	1																													
	V	(14)	(70)																													
LARGE BORE HANGERS	P	7	16	20	33	41	53	61	71	93	104	118	121	131	140	125	86	59	44	19	14	6											
	A	26	41																													
	V	19	25																													
LARGE BORE PIPE FAB	P	9	12	13	22	25	30	34	41	44	51	53	48	35	23	14	9	6	4	3													
	A	0	0																													
	V	(9)	(12)																													
LB PIPE WELDS	P	3	3	6	6	8	12	18	20	29	32	32	26	20	18	15	15	8	6	3	3												
	A	10	5																													
	V	7	2																													
SMALL BORE PIPE	P	230	297	338	432	487	581	649	716	797	838	905	1000	1027	1068	959	838	770	649	473	216	149	68	27									
	A	9	125																													
	V	(221)	(172)																													
SB PIPE HANGERS	P	109	124	156	174	208	246	270	320	221	146	109	89	69	62	47	30	25	15	12	10	10	10	7	5	4	2						
	A	62	70																													
	V	(47)	(54)																													
INSTR. TUBING HANGERS	P	30	56	67	81	96	104	122	137	144	156	181	215	241	270	326	326	326	289	222	167	100	41	7									
	A	0	0																													
	V	(30)	(56)																													
INSTR.	P	2	3	4	5	6	10	19	25	31	36	44	51	61	65	72	72	67	57	45	31	17	6										
	A	2	0																													
	V	0	(3)																													
INSTR. AIR PIPE	P	125	189	248	364	388	489	489	462	422	320	242	154																				
	A	0	0																													
	V	(125)	(189)																													
INSTR. AIR HANGERS	P	2	10	15	20	38	44	44	44	32	21	10																					
	A	10	27																													
	V	8	17																													
INSTR. TUB.	P	322	604	725	886	1047	1128	1329	1490	1571	1692	1974	2336	2618	2941	3545	3545	3545	3142	2417	1813	1088	443	82									
	A	0	0																													
	V	(322)	(604)																													

P-PLANNED
A-ACTUAL
V-VARIANCE

PROJECT COMMODITY INSTALLATION

ELECTRICAL

YEAR		1983							1984												1985								1986
MONTH		J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
CABLE	P		237	279	364	483	487	622	576	495	383	250	55																			
	A		0																													
TRAY	V		(237)																													
CABLE	P	39	47	55	66	80	86	68	49	36	26	7	5	4																		
TRAY	A	12	6																													
HANGERS	V	(27)	(41)																													
CABLE	P			15	20	25	30	31	32	32	21	14	4	3	2																	
TRAY	A	4	5																													
AUX STEEL	V	4	5																													
CABLE	P		196	239	279			437	342	247	184	132	37	29	15																	
TRAY	A	2	7																													
ATTACH.	V	2	(189)																													
CABLE	P																				796	796	1592	1592	2389	2389	2389	1592	796	796	478	319	
TRAY	A																															
COVERS	V																															
CONDUIT	P	191	191	574	957	1914	3063	4020	4977	5934	7083	7849	8806	9954	11103	12060	12826	13783	13974	13017	11869	11869	9954	7849	7083	4594	3446	1723	768			
	A	3828	1931																													
	V	3637	1740																													
CDT.	P	178	202	235	251	267	291	316	340	358	364	388	445	445	486	550	550	542	526	486	348	227	129	65	32	24	24	16	10			
	A	145	150																													
HANGERS	V	(33)	(52)																													
CDT.	P	17	20	22	25	27	32	36	41	46	52	61	68	73	79	79	58	50	21	9	6	6	5	5	5	4	4	2	2			
	A	27	16																													
AUX STEEL	V	10	(4)																													
CDT.	P	71	71	71	85	101	101	124	138	154	180	180	168	154	148	124	96	86	86	65	54	38	30	12	9	5	4					
	A	11	8																													
BOXES	V	(60)	(63)																													
CDT.	P	14	14	27	37	40	55	81	85	85	90	90	90	90	90	90	90	90	60	40	40	30	25	10	6	5						
BOX	A	22	15																													
HANGERS	V	8	1																													
PWR.	P			3428	4285	6000	7714	8571	10285	12856	14999	17142	18856	22284	25713	29998	29998	27	30427	29998	26999	21427	18856	15428	14571	11142	6857	5143	3000	2144			
WIRE	A	2659	1661																													
PULLS	V	2659	1661																													

P-PLANNED
A-ACTUAL
V-VARIANCE

PROJECT COMMODITY INSTALLATION

ELECTRICAL

YEAR		1983							1984													85								1986
MONTH		J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
PWR.	P	46	76	107	122	153	229	245	306	413	459	505	551	597	673	719	795	872	918	1010	1040	1040	1025	826	765	673	551	337	197	31	15		
WIRE	A	116	54																													
TERMS	V	70	(22)																													
C&I	P	25033	32735	34661	36587	44289	51991	53917	61619	78950	84727	86652	92429	105908	117462	125165	140569	152890	159123	163763	122057	94727	59694	30810	11554	5777	3851	3851	3851	1934		
WIRE	A	10065	4778																													
PULLS	V	(4968)	(2795)																													
C&I	P	606	909	1212	1516	1718	2021	2122	2324	2526	3132	3334	3839	4147	4445	4951	5456	6365	6870	7375	7173	6870	6062	5052	4041	3132	2122	909	505	202	103	
WIRE	A	492	135																													
TERMS	V	(114)	(774)																													
LTG.	P	38	38	75	75	75	151	151	151	151	151	158	158	177	184	184	226	226	226	226	184	184	158	113	38	38	38	38	38	38	38	
	A	248	95																													
FIXTURES	V	210	57																													
LTG.	P	6268	8197	8679	9161	11090	13019	13501	15429	19769	21215	21698	23144	26519	29412	31341	35198	39538	38091	33752	25555	21215	14947	7715	2893	1447	964	964	964	484		
	A	756	3426																													
WIRE	V	(5512)	(4771)																													
SEC.	P	6	6	12	12	12	24	24	24	24	24	24	24	31	31	31	37	37	37	37	31	31	24	18	7	7	6	6	6	6	6	
	A	5	0																													
EQUIP.	V	(1)	(6)																													
SEC.	P	639	639	1278	1278	1278	2557	2557	2557	2557	2557	2557	2557	3196	3196	3196	3835	3835	3835	3835	3196	3196	2557	1918	640	640	640	640	640	640	639	639	
WIRE	A	7921	2308																													
PULLS	V	7282	1669																													
SEC.	P			62	62	124	124	124	247	247	247	247	247	247	247	309	309	309	371	371	371	371	309	309	247	185	124	124	61	61	61	60	
WIRE	A	71	383																													
TERMS	V	71	383																													
COMMUN.	P	647	846	896	946	1145	1344	1394	1593	2042	2191	2241	2390	2739	3037	3237	3635	4083	3934	3486	2639	2191	1544	797	299	149	100	100	100	49		
WIRE	A	0	100																													
	V	(647)	(746)																													
COMMUN.	P	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1			
WIRE	A	0	0																													
SUPP.	V	(5)	(5)																													
	P																															
	A																															
	V																															

PROCEDURE/TURNOVER STATUS

STARTUP PROCEDURES	COMPLETE - 59%
	STARTED - 31%
PLANT STAFF PROCEDURES	COMPLETE - 93%
	STARTED - 5 %
SYSTEM TURNOVER STATUS	COMPLETE - 42%
	REMAINING - 58%

TOTAL NUMBER OF PROCEDURES
REQUIRED FOR FUEL LOAD

FLUSH PROCEDURES	84
HYDRO PROCEDURES	53
GENERIC TEST PROCEDURES	68
ACCEPTANCE TEST PROCEDURES	42
PREOPERATIONAL TEST PROCEDURES	85
MISCELLANEOUS TEST PROCEDURES	82
OPERATING PROCEDURES	
ANNUNCIATOR	2472
NON-ANNUNCIATOR	1446

* IN ADDITION, 37 STARTUP TEST PROCEDURES WILL NEED TO BE AVAILABLE FOLLOWING FUEL LOAD.

* ALL ACCEPTANCE TESTS AND PREOPERATIONAL TESTS ARE REQUIRED TO BE COMPLETE FOR FUEL LOAD.

CURRENT STATUS OF PROCEDURES TO SUPPORT PREOPERATIONAL, ACCEPTANCE AND STARTUP TESTING

	STP	ATP	FTP	GTP	HTP	PTP	VTP	XTP	TOTAL
Approved	0	26	81	58	45	17	2	38	267
In Review	17	11	1	7	5	55	3	20	119
Being Written	5	3	0	2	0	5	1	6	22
Not Started	15	2	2	1	3	8	1	11	43
Total Identified	37	42	84	68	53	85	7	75	451

STP - Startup Test Procedure

ATP - Acceptance Test Procedure

FTP - Flush Test Procedure

GTP - Generic Test Procedure

HTP - Hydrostatic Test Procedure

PTP - Preoperational Test Procedure

VTP - Vendor Test Procedure

XTP - Special Test Procedure

PLANT STAFF PROCEDURE STATUS

	Non-Annunciator	Annunciator
NOT STARTED	52	37
BEING WRITTEN	65	6
IN REVIEW	130	1
APPROVED	1199	2428
TOTAL	1446	2472
% APPROVED	82.9%	98.2%

OVERALL % 92.6% APPROVED

* Annunciator Procedures are considered separately due to their reduced complexity in comparison to other plant procedures.

TURNOVER STATUS

Turnovers Complete to Startup	231**	41.9%*
Turnovers Remaining	227	58.1%*
TOTAL	458	100%

* Percentages are based on the total amount of plant equipment turned over rather than the simple number of turnovers.

** This number includes the packages with a status of complete as shown on the following list (Startup Subsystem Turnover Dates), as well as partial packages accepted by IPC Startup.

ILLINOIS POWER COMPANY

PROJECT: CLINTON POWER STATION UNIT 1

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14AZ2-1045	PERM.WHSE. MCC A TURNOVER,TEST&ENERGIZE (AZ)	28APR77	COMPLETE
14AZ2-1046	PERM.WHSE. MCC B TURNOVER,TEST&ENERGIZE (AZ)	28APR77	COMPLETE
14DM1-10	CONSTR TURNOVER- SCRN HSE&PMP HSE DRN PH1 (DM)	05MAY77	COMPLETE
14VH1-10	CONSTR. TURNOVER- SCRN HSE&MU PMP HSE VENT PH1	05MAY77	COMPLETE
14VV1-10	CONSTR.TURNOVER- PERM WAREHOUSE VENTILATION	05MAY77	COMPLETE
14WA1-10	CONSTR. TURNOVER- PERM WAREHOUSE AUXILLIARIES	05MAY77	COMPLETE
14WD1-10	CONSTR.TURNOVER- POTABLE WATER (WD)	05MAY77	COMPLETE
14WM1-10	CONSTR TURNOVER- MAKEUP DEMIN PH1&2	05MAY77	COMPLETE
14AZ2-1043	H/U WATER PMPHSE 480V MCC A TRNOVR TEST&ENTGZ	13JAN78	COMPLETE
14AZ2-1044	H/U WATER PMPHSE 480V MCC B TRNOVR TEST&ENRGZ	13JAN78	COMPLETE
14AT1-10	CONSTR.TURNOVER- COAT	12DEC79	COMPLETE
14HC4Z10	CONSTR TURNOVER TURB BLDG CRANE (HC PH 4)	12FEB80	COMPLETE
14AZ1-1010	480VOLT BUS 1J TURNOVER, TEST & ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	04MAR80	COMPLETE
14AZ1-10	BEGIN CONST TURNOVER-480 VOLT EQUIPMENT (AZ)	24MAR80	COMPLETE
14AZ1-1008	480VOLT BUS 1H TURNOVER, TEST & ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	27MAR80	COMPLETE
14AZ1-1009	480VOLT BUS 1I TURNOVER, TEST, & ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	27MAR80	COMPLETE
14AZ1-1011	480VOLT BUS 1K TURNOVER, TEST & ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	27MAR80	COMPLETE
14TW1-10	CONSTR. TURNOVER- FILTERED WATER (TW)	04JUN80	COMPLETE
14AZ1-1016	480 VOLT BUS C TURNOVER TEST&ENRGZ (AZ) ENERGIZED ON TEMPORARY POWER	06JUN80	COMPLETE
14AZ1-1017	480 VOLT BUS D TURNOVER TEST&ENRGZ (AZ) ENERGIZED ON TEMPORARY POWER	06JUN80	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14AZ2-1055	RADWASTE BLD MCC I TURNOVER,TEST&ENERGIZE (AZ)	06JUNA0	COMPLETE
14AZ2-1056	RADWASTE BLD MCC J TURNOVER,TEST&ENERGIZE (AZ)	06JUNA0	COMPLETE
14AZ2-1071	TURA BLD MCC 1A TURNOVER, TEST & ENERGIZE (AZ)	06JUNA0	COMPLETE
14AC1-10	CONSTR.TURNOVER-ACID&CAUSTIC HANDLING (AC/DH)	29JULA0	COMPLETE
14HC5Z10	CONTR TURNOVER FUEL BLDG CRANE (HC PH 5)	29JULA0	COMPLETE
14TF1710	LIMITED CONST.TURNOVER TURB&MISC FLR DRN FOR SUPPORT OF RM-3 & AC/DH	15AUGA0	COMPLETE
14AZ2-1072	TURB BLD MCC 1B TURNOVER, TEST & ENERGIZE (AZ)	18SEPA0	COMPLETE
14AZ2-1053	RADWASTE BLD MCC G TURNOVER,TEST&ENERGIZE (AZ)	19SEPA0	COMPLETE
14AZ2-1054	RADWASTE BLD MCC H TURNOVER,TEST&ENERGIZE (AZ)	19SEPA0	COMPLETE
14AB1-10	CONST.TURNOVER-SCAB (AB)	02OCTA0	COMPLETE
14WM3-10	CONSTR TURNOVER- MAKEUP DEMIN PH3	20OCTA0	COMPLETE
14AZ2-1063	SCREEN HSE MCC 1A TURNOVER,TEST&ENERGIZE (AZ)	20NOVA0	COMPLETE
14AZ2-1064	SCREEN HSE MCC 1B TURNOVER,TEST&ENERGIZE (AZ)	20NOVA0	COMPLETE
14AZ2-1047	RADWASTE BLD MCC A TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1048	RADWASTE BLD MCC B TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1049	RADWASTE BLD MCC C TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1050	RADWASTE BLD MCC D TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1051	RADWASTE BLD MCC E TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1052	RADWASTE BLD MCC F TURNOVER,TEST&ENERGIZE (AZ)	04DECA0	COMPLETE
14AZ2-1058	RADWASTE BLD MCC M TURNOVER,TEST& ENERGIZE(AZ)	04DECA0	COMPLETE
14AZ2-1060	RADWASTE BLD MCC N TURNOVER,TEST& ENERGIZE(AZ)	04DECA0	COMPLETE
14AZ2-1073	TURB BLD MCC 1C TURNOVER, TEST & ENERGIZE (AZ)	08DECA0	COMPLETE
14AZ2-1074	TURB BLD MCC 1D TURNOVER, TEST & ENERGIZE (AZ)	08DECA0	COMPLETE
14AZ2-1075	TURB BLD MCC 1E TURNOVER, TEST & ENERGIZE (AZ)	08DECA0	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1AAZ2-1076	TURB BLD MCC 1F TURNOVER, TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1077	TURB BLD MCC 1G TURNOVER, TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1078	TURB BLDG MCC 1H TURNOVER,TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1079	TURB BLD MCC 1T TURNOVER, TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1080	TURB BLDG MCC 1J TURNOVER,TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1081	TURB BLD MCC 1K TURNOVER, TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AAZ2-1082	TURB BLD MCC 1L TURNOVER, TEST & ENERGIZE (AZ)	0ADEC80	COMPLETE
1AC04-10	CONST.TURNOVER MICROWAVE SYSTEM CO-A	20JAN81	COMPLETE
1ATF1Y10	LIMITED CONST.TURNOVER TURB&MISC FLR DRN SUMPS	19FEB81	COMPLETE
1AWP4-10	CONSTR TURNOVER WASTE WTR TRTMNT WWTS	23FEB81	COMPLETE
1AIA1-10	CONST.TURNOVER-SERV.AIR/INST.AIR PH1 (SA/IA)	03MAR81	COMPLETE
1ACY1-10	CONSTR.TURNOVER-CYCD COND/CLN COND STG(CY/HC)	25MAR81	COMPLETE
1AAZ2-1096	TURB BLDG RISER 1A TURNOVER,TEST+ ENERGZE(AZ)	02APR81	COMPLETE
1AAZ2-1097	TURB BLDG RISER 1B TURNOVER,TEST+ ENERGZE(AZ)	02APR81	COMPLETE
1AAZ2-1098	TURB BLDG RISER 1C TURNOVER,TEST+ ENERGZE(AZ)	02APR81	COMPLETE
1AAZ2-1099	TURB BLDG RISER 1D TURNOVER,TEST+ ENERGZE(AZ)	02APR81	COMPLETE
1ADC1Z10	CONST.TURNOVER-BATTERY & DC DIST BOP 1E&1F (DC)	01MAY81	COMPLETE
1AIP1Z10	CONST.TURNOVER-INSTRUMENT POWER UPS 1A&1B (IP)	01MAY81	COMPLETE
1AAZ1-1018	4160VLT BUS E TURNOVER, TEST & ENERGIZE (AZ)	08MAY81	COMPLETE
1AAZ1-1019	4160VLT BUS F TURNOVER, TEST & ENERGIZE (AZ)	08MAY81	COMPLETE
1AAZ2-1094	RADWST BLDG RISER A TURNOVER,TEST+ ENERGZE(AZ)	12MAY81	COMPLETE
1AAZ2-1095	RADWST BLDG RISER B TURNOVER,TEST+ ENERGZE(AZ)	12MAY81	COMPLETE
1APG1Z10	CONST.TURNOVER-PGCC CABINETS&PANELS&F.CABLES(PG)	09JUN81	COMPLETE
1ASW1-10	CONSTR. TURNOVER- SCREEN WASH (SW)	18JUN81	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14AZ1-1028	480 VOLT BUS O TURNOVER TEST&ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	23JUNA1	COMPLETE
14AZ1-1029	480 VOLT BUS P TURNOVER TEST&ENERGIZE (AZ) ENERGIZED ON TEMPORARY POWER	23JUNA1	COMPLETE
14FP7-10	CONST.TURNOVER-FIRE PROT/CAR DIOX PH7 (FP/CO)	23JUNA1	COMPLETE
14AZ1-1026	480VLT BUS M TURNOVER, TEST & ENERGIZE (AZ)	24JUNA1	COMPLETE
14AZ1-1027	480VLT BUS N TURNOVER, TEST & ENERGIZE (AZ) WILL BE FED INITIALLY FROM TEMPORARY POWER	26JUNA1	COMPLETE
14WZ1-10	CONSTR TURNOVER- CHEM RADWSTE REPROC&DISP PH1	14JULA1	COMPLETE
14AZ2-1065	SERVICE BLD MCC A TURNOVER, TEST & ENERGZE(AZ)	20JULA1	COMPLETE
14AZ2-1066	SERVICE BLD MCC B TURNOVER, TEST & ENERGZE(AZ)	20JULA1	COMPLETE
14FP3Z10	CONST. TURNOVER-FIRE PROT/CARB DIOX PH3 (FP/CO) TURBINE BLDG RING HEADER & HOSE STATIONS	23JULA1	COMPLETE
14FP2-10	CONSTR.TURNOVER-FIRE PROT/CAR DIOX PH2 (FP/CO)	28JULA1	COMPLETE
14SY1-10	CONST.TURNOVER-SWITCHYARD SYSTEM-RAT- (SY)	28JULA1	COMPLETE
14HC2-10	CONST. TURNOVER-HOISTS,CRANES&ELEVATRS PH2(HC)	12AUGA1	COMPLETE
14WF1-10	CONSTR TURNOVER- FLOOR DRN PW REPROC&DISP PH1	12AUGA1	COMPLETE
14WX1-10	CONSTR. TURNOVER- SOLID PW REPROC&DISP PH1(WX)	13AUGA1	COMPLETE
14FP5Z10	CONSTR.TURNOVER-FIRE PROT/CAR DIOX PH5 (FP/CO)	20AUGA1	COMPLETE
14TF1-10	CONSTR.TURNOVER-TURB&MISC BLD FLR DRN PH1 (TF)	28AUGA1	COMPLETE
14WE1-10	CONSTR TURNOVER- EQUIP DRN PW REPROC&DISP PH1	09SEPA1	COMPLETE
14AY1-10	6900 VOLT SYSTEMS TURNOVER CONST. TURNOVER-6.9KV (AY)	16SEPA1	COMPLETE
14AX1-10	CONSTR TURNOVER- 4160V PH1	18SEPA1	COMPLETE
14AX2-10	CONST. TURNOVER-4160 VOLT PH2 (AX)	19SEPA1	COMPLETE
14WS1-10	CONSTR TURNOVER- PLANT SERVICE WATER PH1(WS)	24SEPA1	COMPLETE
14WT1-10	CONSTR.TURNOVER- TURB BLD CLOSED COOLING WATR	25SEP81	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14TF1-10	CONSTR. TURNOVER- TURB BLDG EQUIP DRNS	30SEP81	COMPLETE
14IA2-10	CONST.TURNOVER-SERV AIR/INST AIR PH2 (SA/IA) *	01OCT81	COMPLETE
14DC1Y10	CONST.TURNOVER-BATTERY & DC DIST DIV2 1A81B (DC)	02OCT81	COMPLETE
14AZ2-10BB	CONTRL BLDG RISER A TURNOVER,TEST+ ENERGZE(AZ)	20OCT81	COMPLETE
14AZ2-10B9	CONTRL BLDG RISER B TURNOVER,TEST+ ENERGZE(AZ)	20OCT81	COMPLETE
14AF1-10	CONSTR. TURNOVER- EFAT	26OCT81	COMPLETE
14WS2-10	CONST. TURNOVER-PLANT SERVICE WATER PH2 (WS)	26OCT81	COMPLETE
14SH2-10	CONSTR.TURNOVER-STATION HTG PH2 RADW BLDG (SH)	06NOV81	COMPLETE
14CY2-10	CONSTR.TURNOVER-CYCOR&CLN COND STG PH2 (CY/MC)	13NOV81	COMPLETE
14CX1-10	CONSTR.TURNOVER-PROCESS/DISPLAYCOMPTR (CX/C7)	17NOV81	COMPLETE
14ME1-10	CONSTR. TURNOVER- MISCELLANEOUS EQUIPMENT (ME)	23NOV81	COMPLETE
14CD1-10	CONSTR. TURNOVER- CONDENSATE (CD)	25NOV81	COMPLETE
14CP1-10	CONSTR. TURNOVER- CONDENSATE POLISHING (CP)	08DEC81	COMPLETE
14PS1-10	CONST.TURNOVER PROCESS SAMPLING PS=1	07DEC81	COMPLETE
14FP1-10	CONSTR.TURNOVER-FIRE PROT/CAR D10X PH1 (FP/CO)	10DEC81	COMPLETE
14CR1-10	CONSTR.TURNOVER- CONDENSATE BOOSTER (CR)	11DEC81	COMPLETE
14DM2-10	CONST. TURNOVER-SCRN WSF RPMP HAS DRN PH2 (DM)	22DEC81	COMPLETE
14CL1-10	CONSTR. TURNOVER- CHLORINATION (CL)	28DEC81	COMPLETE
14IP1X10	CONST.TURNOVER-INSTRUMENT POWER NSPS C (IP)	28DEC81	COMPLETE
14AX3-10	4160 VOLT SYSTEMS TURNOVER (FINAL PHASE) CONST. TURNOVER-4160V PH3 (AX)	12JAN82	COMPLETE
14HT1-10	CONSTR.TURNOVER HEAT TRACING (HT=1)	12JAN82	COMPLETE
14WE2-10	CONST.TURNOVER-EQUITP DRN PH REFUR&DISP PH2(WE)	12JAN82	COMPLETE
14CC1Z10	CONSTR. TURNOVER- COMPONENT COOLING WATER (CC)	14JAN82	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
	LIMITED TURNOVER (EXCLUDING CONTAINMENT CC)		
18DC1X10	CONST.TURNOVER-BATTERY & DC DIST DIV3 1C (DC)	19JANA2	COMPLETE
14LV1-10	CONSTR. TURNOVER- LOW VOLTAGE AUX POWER (LV)	10FEBA2	COMPLETE
14WD2-10	CONSTR.TURNOVER POTABLE WATER PH2 (WD-2)	16FEBA2	COMPLETE
14SF1Z10	LIMITED TURNOVER SUPPRESSION POOL C/U (SF1Z) FILTER DEMIN & ASSOCIATED EQUIPMENT IN RADWASTE	03MARA2	COMPLETE
14TD1-10	CONSTR.TURNOVER-TURB.OIL/OIL TRANSFER (TD/OT)	04MARA2	COMPLETE
14AZ2-1057	RADWASTE BLD MCC K TURNOVER,TESTRENERGIZE (AZ)	09MARA2	COMPLETE
14AZ2-1058	RADWASTE BLD MCC L TURNOVER,TESTRENERGIZE (AZ)	09MARA2	COMPLETE
14AZ1-1020	480VLT BUS G TURNOVER, TEST & ENERGIZE (AZ)	30MARA2	COMPLETE
14AZ1-1021	480VLT BUS H TURNOVER, TEST & ENERGIZE (AZ)	30MARA2	COMPLETE
14FP9-10	CONSTR.TURNOVER-FIRE PROT/CAR D10X PH9 (FP/CO)	05APRA2	COMPLETE
14WX2-10	CONST. TURNOVER-SOLID RW REPROC&DISP PH2 (WX)	05APRA2	COMPLETE
14FW1Z10	CONSTR TURNOVER- FEED WATER PH1 (FW) LIMITED TURNOVER(EXCLUDING MS TUNNEL ELECTRICAL)	06APRA2	COMPLETE
14SO1-10	CONSTR. TURNOVER- HYDROGEN SEAL OIL (SO)	13APRA2	COMPLETE
14VS1-10	CONSTR. TURNOVER- SERVICE BLDG HVAC (VS)	04MAYA2	COMPLETE
14MP1-10	CONSTR. TURNOVER-MAIN POWER (MP)	18MAYA2	COMPLETE
14AZ1-1022	480VLT BUS I TURNOVER, TEST & ENERGIZE (AZ)	24MAYA2	COMPLETE
14AZ1-1023	480VLT BUS J TURNOVER, TEST & ENERGIZE (AZ)	24MAYA2	COMPLETE
14FP3-10	CONSTR.TURNOVER-FIRE PROT/CAR D10X PH3 (FP/CO)	26MAYA2	COMPLETE
14AZ2-1083	TURB BLD MCC 1K TURNOVER, TEST & ENERGIZE (AZ)	27MAYA2	COMPLETE
14GC1-10	CONSTR.TURNOVER-GENERATOR STATOR COOLING (GC)	15JUNA2	COMPLETE
14SH4-10	CONSTR.TURNOVER-STATION HTG PH4 TURB BLDG (SH)	14JULA2	COMPLETE
14DL1-10	CONSTR. TURNOVER- LAUN EQUIP&FLR DRNS TO RW	12AUGA2	COMPLETE

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1ACW1-I0	CONSTR. TURNOVER- CIRCULATING WATER (CW)	28SEPA2	COMPLETE
1ACA2-I0	CONSTR. TURNOVER-CONDENSER VACUUM PH2 (CA)	18OCTA2	COMPLETE
1AAZ2-I040	GATEHOUSE MCC A TURNOVER TEST ENERGIZE (AZ)	1ANOVA2	COMPLETE
1AAZ2-I041	GATEHOUSE MCC B TURNOVER TEST ENERGIZE (AZ)	1ANOVA2	COMPLETE
1ATG1-I0	CONSTR.TURNOVER-TURB GEN AUX.&MISC DEVICES(TG)	19NOVA2	COMPLETE
1AVT1Z10	CONSTR.TURNOVER TURBINE BUILDING HVAC (VT) LIMITED TURNOVER FOR WINTER HEATING	1ANOVA2	COMPLETE
1AVV2-I0	CONST TURNOVER GATEHOUSE & SEALWELL VENTIL(VV-2)	10DECA2	COMPLETE
1AVR1Z10	CONSTR. TURNOVER-RADWASTE BUILDING HVAC (SUPPLY LIMITED TURNOVER FOR WINTER HEAT	15DECA2	COMPLETE
1AVT2-I0	CONSTR.TURNOVER TURB BUILDING HVAC PH2 (VT)	31DECA2	COMPLETE
1ASS2-I0	CONST.TURNOVER SECURITY SYSTEM PHASE 2 (SS)	11JANA3	COMPLETE
1AAZ1-I50A	480 VOLT BUS 1H TURNOVER & ENERGIZE ON PERM PWR	0AMAYA3	COMPLETE
1AAZ1-I50B	480 VOLT BUS 1I TURNOVER & ENERGIZE ON PERM PWR	14JUNA3	COMPLETE
1ADA1-I0	CONSTR.TURNOVER-RADWASTE DIG.DATA ACQUISTION(DA)	22JUNA3	COMPLETE
1AWZ2-I0	CONST. TURNOVER-CHEM RADWSTE PERSONDISP PH2(WZ)	15AUGA3	
1AES2-I0	CONSTR. TURNOVER-EXTRACTION STEAM PH2 (ES)	29AUGA3	
1AGS2-I0	CONSTR. TURNOVER-TURB GLAND SEAL STEAM PH2(GS)	29AUGA3	
1AAS1-I0	CONSTR.TURNOVER- AUXILIARY STEAM (AS)	0ASEPA3	
1AWF2-I0	CONST. TURNOVER-FLOOR DRN RW PERSONDISP PH2(WF)	0ASEPA3	
1AFW2-I0	CONSTR. TURNOVER-FEEDWATER PH2 (FW)	12SEPA3	
1AAZ1.I516	480 VLT BUS C&D TURNOVER & ENERGIZE ON PERM PWR	19SEPA3	
1AHD1-I0	CONSTR.TURNOVER- FEDWTR HTR DRNS TURB CYC (HD	19SEPA3	
1ATS1-I0	CONSTR.TURNOVER- TURBINE SUPERVISORY (TS)	19SEPA3	
1ADV1-I0	CONSTR.TURNOVER-F/W HTR MISC DRNS&VENTS (DV)	26SEPA3	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION: UNIT 1

PRFMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1AAZ1.1517	480 VLT BUS DRP TURNOVER & ENERGIZE ON PERM PWR	03OCTA3	
1AMI1-10	CONST.TURNOVER-MISCELLANEOUS INTERLOCKS (MI)	03OCTA3	
1AMS1Y10	CONST.TURNOVER-MAIN STEAM LTD.FOR VAC.TEST (MS)	03OCTA3	
1AAZ1-1001	480VLT BUS 1ATURNOVER, TEST & ENERGIZE (AZ)	10OCTA3	
1AAZ1-1002	480VLT BUS 1BTURNOVER, TEST & ENERGIZE (AZ)	10OCTA3	
1AAZ1.1004	480 VLT BUS 1D&1L TURNOVER & ENERGIZE ON PERM PW	17OCTA3	
1AAZ2-1583	TURB BLDG MCC 1M TURNOVER & ENERGIZE ON PERM PWR	24OCTA3	
1APS2-10	CONST.TURNOVER PROCESS SAMPLING PS-2	24OCTA3	
1ART1Z10	CONST.TURNOVER-REACTOR WATER CLEANUP LTD (RT) FOR COND. VACUUM TEST	24OCTA3	
1ASS1-10	CONST.TURNOVER-SECURITY SYSTEM PHASE 1	24OCTA3	
1AAZ2.1001	AUX BLDG MCC'S 1A1&1A4 TURNOVER (AZ)	07NOVA3	
1AAZ2-1003	AUX BLD MCC 1A3TURNOVER, TEST & ENERGIZE (AZ)	07NOVA3	
1ARI1Z10	CONST.TURNOVER-REACTOR CORE ISOLATION CLG (RI) FOR COND. VACUUM TEST	07NOVA3	
1ARH1Z10	CONSTR.TURNOVER-RESIDUAL HEAT REMOVAL DIV.3(RH)	08NOVA3	
1AAZ2.1007	AUX BLDG MCC'S 1B3&1B4 TURNOVER (AZ)	14NOVA3	
1AAZ2-1037	FUEL BLD MCC 1A TURNOVER, TEST, &ENERGIZE(AZ)	21NOVA3	
1AOG1Z10	LIMITED CONST.TURNOVER OFF GAS (OGZ) GLYCOL SYSTEM	21NOVA3	
1AAZ1-1003	480 VOLT BUS 1C TURNOVER TEST&ENRGZ (AZ) ACT INCLUDES AUX BLD MCC 1C1X1C T/O,TEST&ENERG, AND SERVICE WATER MCC 1C T/O,TEST & ENERGIZE	23NOVA3	
1AAZ3-10	CONSTR TURNOVER-EDF MCC'S & LOAD CTR (AZ3)	23NOVA3	
1ACY3-10	CONSTR.TURNOVER-CYCLONE COND STG PH3 (CY/MC)	28NOVA3	
1AAZ1.1005	480 VLT BUS 1F&1M TURNOVER & ENERGIZE ON PERM PW	05DECA3	
1AAZ2-1068	SERVICE WTR MCC 1A TURNOVER, TEST&ENERGZE(AZ)	08DECA3	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
PRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PRMTS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1AAZ2-1069	SERVICE WTR MCC 1A TURNOVER, TEST&ENERGIZE(AZ)	08DEC83	
1AVH2-10	CONSTR. TURNOVER-SCRN HSE&RMP HSE VENT PH2(VH)	08DEC83	
1ASE1-10	480 VOLT U.S.,4160,6900 VOLT SPARES	09DEC83	
1AAZ2-1005	AUX BLD MCC 1A1TURNOVER, TEST & ENERGIZE (AZ)	12DEC83	
1ASX17Q0	LIMITED TURNOVER SHUTDOWN SERVICE WATER (SX17) FLOW PATHS FOR SX PUMP&DIV 3 DIESEL COOLING	12DEC83	
1AAZ1.1007	480 VLT BUS 1G&1K TURNOVER & ENERGIZE ON PERM PW	19DEC83	
1AAZ2-1500	GATEHOUSE MCC A TURNOVER & ENERGIZE ON PERM PWR	27DEC83	
1AAZ2-1501	GATEHOUSE MCC B TURNOVER & ENERGIZE ON PERM PWR	27DEC83	
1AAZ1.1006	480 VLT BUS 1E&1J TURNOVER & ENERGIZE ON PERM PW	03JAN84	
1AAZ2-1002	AUX BLD MCC 1A2TURNOVER, TEST & ENERGIZE (AZ)	03JAN84	
1ADG4-10	CONSTR. TURNOVER-EDG DIESEL (DG3)	03JAN84	
1AAZ2-1006	AUX BLD MCC 1B2TURNOVER, TEST & ENERGIZE (AZ)	09JAN84	
1AIA3-10	CONST.TURNOVER-SERV ATR/INST AIR PH3 (SA/IA)	09JAN84	
1APH17Q0	CONSTR.TURNOVER COMPONENTS-RESIDUAL HEAT RE(RH)	13JAN84	
1AAZ2-1013	AUX BLD MCC 1F TURNOVER, TEST & ENERGIZE (AZ)	16JAN84	
1AAZ2-1018	CONTRL BLDG MCC 1ATURNOVER, TEST & ENERGIZE(AZ)	16JAN84	
1AAZ2-1015	AUX BLDG MCC 1H TURNOVER TEST ENERGIZE	18JAN84	
1AAZ2-1011	AUX BLD MCC 1D TURNOVER, TEST & ENERGIZE (AZ)	23JAN84	
1AAZ2-1012	AUX BLD MCC 1E TURNOVER, TEST & ENERGIZE (AZ)	23JAN84	
1AAZ2-1014	AUX BLD MCC 1G TURNOVER, TEST & ENERGIZE (AZ)	06FEB84	
1ACC17Q0	CONST TURNOVER ASME COMP.COOLING WATER (CC17)	09FEB84	
1AAZ2-1020	CONTRL BLDG MCC 1CTURNOVER, TEST & ENERGIZE(AZ)	13FEB84	
1AAZ2-1038	FUEL BLD MCC 1B TURNOVER, TEST, &ENERGIZE(AZ)	13FEB84	
1AAZ2-1019	CONTRL BLDG MCC 1BTURNOVER, TEST & ENERGIZE(AZ)	20FEB84	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PRFMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
10EH-10	CONSTR. TURNOVER- TURB ELECTRO HYD CONTROL (EH	20FEBR84	
10TG1-50	CONST. TURNOVER ASME COMPONENT-TURB GEN (TG)	21FEBR84	
10FP4-10	CONSTR.TURNOVER-FIRE PROT/CAR DIOX PH4 (FP/CO)	23FEBR84	
10CY3-50	CONST TURNOVER ASME COMPONENT COND/STG-3 (CY/MC)	27FEBR84	
10VR1-10	CONSTR. TURNOVER- RADWASTE BUILDING HVAC (VW)	27FEBR84	
10RF1-10	CONSTR. TURNOVER- CONTMT AUX&FUEL BLD FLR DRNS INTERMITNT MANUAL OPS REQD FOR NSSS FLUSH	28FEBR84	
10SF1-10	CONSTR TURNOVER BALANCE OF SUPRESS.POOL C/U (SF)	01MARR84	
10AZ2-1563	SCREEN HSE MCC 1A TURNOVER & ENERGIZE ON PERM PR	05MARR84	
10AZ2-1568	SCREEN HSE MCC 1B TURNOVER & ENERGIZE ON PERM PR	05MARR84	
10AZ1-1014	4BOVLT BUS A TURNOVER, TEST & ENERGIZE (AZ)	07MARR84	
10AZ1-1015	4BOVLT BUS B TURNOVER, TEST & ENERGIZE (AZ)	07MARR84	
10AZ2.1026	CONTROL BLDG MCC'S FIR F2 TURNOVER (AZ)	19MARR84	
10AZ2.1028	CONTROL BLDG MCC'S FIR F2 TURNOVER (AZ)	19MARR84	
10VT1-10	CONSTR. TURNOVER- TURBINE BUILDING HVAC (VT)	27MARR84	
10WD1-10	CONSTR. TURNOVER- CHILLED WATER (WD)	27MARR84	
10AZ2-1023	CONTRL BLDG MCC B TURNOVER, TEST & ENERGZE(AZ)	28MARR84	
10FP0-10	CONST.TURNOVER-FIRE PROT/CARB DIOX PH 10 (FP)	02APRR84	
10IP1Y10	CONST.TURNOVER-INSTRUMENT POWER NSPS A&B (IP)	02APRR84	
10SS6-10	CONST. TURNOVER-EDF SECURITY	03APRR84	
10LP1-10	CONSTR. TURNOVER- LOW PRESSURE CORE SPRAY (LP)	09APRR84	
10IA3-50	CONST TURNOVER ASME COMPONENT SERV AIR/ INST AIR PHASE 3 (SA/IA)	12APRR84	
10AZ2-1016	AUX BLDG MCC 1I TURNOVER TEST ENERGIZE	17APRR84	
10AZ2-1025	CONTRL BLDG MCC D TURNOVER, TEST & ENERGZE(AZ)	17APRR84	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PRENTS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14RH1-10	CONSTR. TURNOVER- RESIDUAL HEAT REMOVAL (RH)	19APR84	
14DC1W10	CONST.TURNOVER-BATTERY & DC DIST SYS 10 (DC)	24APR84	
14WD2-10	CONSTR TURNOVER CHILLED WATER PH2 (WD)	30APR84	
14AZ2-1022	CONTRL BLDG MCC A TURNOVER, TEST & ENERGIZE(AZ)	07MAY84	
14AZ2-1024	CONTRL BLDG MCC C TURNOVER, TEST & ENERGIZE(AZ)	07MAY84	
14TF2-10	CONST. TURNOVER-TURBBMISC BLD FLR DRN PH2 (TF)	08MAY84	
14SX1750	CONST.TURNOVER ASME COMPONENTS-SHUTDOWN (SX1Z) SERVICE WATER (LTD)	10MAY84	
14SF1-50	CONST TURNOVER ASME COMPONENT-SUPPRESSION (SF) POOL C/U TPF	16MAY84	
14RF1-50	CONST TURNOVER ASME COMPONENTS CONTMT AUX & (RF) FUEL BUILDING FLOOR DRAINS	18MAY84	
14IP1W10	CONST.TURNOVER-INSTRUMENT POWER BALANCE (IP)	21MAY84	
14AZ2-1032	DIESEL GEN MCC 1A TURNOVER, TEST, ENERGIZE(AZ)	30MAY84	
14AZ2-1033	DIESEL GEN MCC 1B TURNOVER, TEST, ENERGIZE(AZ)	30MAY84	
14LL7-10	CONSTR. TURNOVER-EOF LIGHTING (LL7)	01JUN84	
14PT1-10	CONSTR.TURNOVER- REACTOR WATER CLEANUP (PT)	01JUN84	
14WX3-10	CONST. TURNOVER-SOLID RW REPROCESSING PH3 (WX)	06JUN84	
14RI1-10	REACTOR CORE ISOLATION COOLING SYSTEM TURNOVER CONSTR.TURNOVER- REACTR CORE ISOLATION COOLG	07JUN84	
14DG1Z10	LIMITED TURNOVER DIESEL GEN/DIES OIL DIV.3(DG1Z)	14JUN84	
14WD4-10	CONSTR TURNOVER CHILLED WATER PH4 (WD)	15JUN84	
14HP1-10	CONSTR. TURNOVER- HIGH PRESSURE CORE SPRAY (HP	18JUN84	
14AZ2-1021	CONTRL BLDG MCC 1DTURNOVER, TEST & ENERGIZE(AZ)	24JUN84	
14WD7-10	CONSTR TURNOVER CHILLED WATER PH7 (WD)	24JUN84	
14EH2-10	CONST.TURNOVER-STEAM BYPASS-PRESS.REGULATION(EH)	02JUL84	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1AGL1-I0	CONST. TURNOVER-GELI SYSTEM	03JUL84	
1ASC1-I0	CONSTR. TURNOVER- STANDBY LIQUID CONTROL (SC)	09JUL84	
1AS83-I0	CONST. TURNOVER SECURITY SYSTEM PHASE 3 (SS)	09JUL84	
1AFP8-I0	CONSTR.TURNOVER-FIRE PROT/CAR DIOX PHR (FP/CD)	16JUL84	
1AFC1710	CONSTR.TURNOVER-FUEL POOL COOLING & CLEANUP (FC) LIMITED TURNOVER TO SUPPORT INTEGRATED FLUSH	20JUL84	
1AVD1-I0	CONSTR.TURNOVER- DIESEL GENERATOR ROOM VENT	26JUL84	
1AAZ1-I025	4KVOLT BUS L TURNOVER, TEST & ENERGIZE (AZ)	30JUL84	
1AVV3-I0	CONST. TURNOVER-EDF HVAC (VV)	30JUL84	
1AWY1-I0	CONSTR.TURNOVER- LAUN&MTSC RM REPR/DISP (WY)	06AUG84	
1AFW1-I0	CONSTR TURNOVER BALANCE OF FEED WATER PH1 (FW-1)	07AUG84	
1AWD1-50	CONSTR.TURNOVER ASME COMPONENTS-CHILLED WATER PHASE 1 (WD)	07AUG84	
1APG1-I0	POWER GENERATION CONTROL COMPLEX TURNOVER FINAL TURNOVER OF FIELD POWER CABLES	10AUG84	
1AC02-I0	CONST.TURNOVER PA & BOUND POWERED PHONES CO-2	13AUG84	
1AMS1-I0	CONSTR.TURNOVER- MAIN STEAM	13AUG84	
1ALP1-50	CONST TURNOVER ASME COMPONENT-LP CORE SPRAY (LP)	15AUG84	
1AAR1-I0	CONST.TURNOVER-AREA/PROC RAD.MONITOR PH1 (AR/PR)	27AUG84	
1AIS1-I0	CONSTR.TURNOVER- MSIV LEAKAGE CONTROL (IS)	27AUG84	
1ASY3-I0	CONSTR TURNOVER-SWITCHYARD MODIFICATIONS (SY3)	31AUG84	
1ARD1-I0	CONST.TURNOVER-CONTROL ROD DRIVES PH1 (RD)	04SEP84	
1ASH1-I0	CONSTR.TURNVR-STAT.HTG PH1 SCRN HSE(SH)	04SEP84	
1AAZ2.I030	CONTROL BLDG MCC G & DAMPER A TURNOVER (AZ)	10SEP84	
1AAZ2.I031	CONTROL BLDG MCC H & DAMPER B TURNOVER (AZ)	10SEP84	
1AC01-I0	CONST.TURNOVER RADIO & DIAL PHONES CO-1	17SEP84	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1ASX1-10	CONSTR. TURNOVER- SHUTDOWN SERVICE WATER (SX)	17SEP84	
1APT1-50	CONST TURNOVER ASME COMPONENTS-REACTOR WATER(PT) CLEANUP	21SEP84	
1ARA1-10	CONSTR TURNOVER RESPIRATOR AIR PH1 (RA)	25SEP84	
1ARI1-50	CONST TURNOVER ASME COMPONENTS-REACTORE CORE(RI) ISOLATION COOLING	27SEP84	
1AFP8-50	CONST TURNOVER ASME COMPONENT-FIRE PROT/ (FP/CO) CARBON DIOXIDE PHASE A	05OCT84	
1ASC1-50	CONST TURNOVER ASME COMPONENT-STDBY LIQ CTRL(SC)	05OCT84	
1AFC1-10	CONSTR.TURNOVER -FUEL POOL COOLING & CLEANUP(FC)	04OCT84	
1AFC1Z50	CONST TURNOVER ASME COMPONENT-FUEL POOL (LTD) COOLING&CLEANUP	04OCT84	
1ANB1-10	CONSTR. TURNOVER- NUCLEAR BOILER (NB)	09OCT84	
1ADG1Z50	CONST TURNOVER ASME COMPONENTS-DIESEL GEN/(DG1Z) DIESEL OIL DIVISION 3	11OCT84	
1ARH1-50	CONST TURNOVER ASME COMPONENT-RESID.HT.REMVL (RH)	11OCT84	
1AFW1-50	CONST TURNOVER ASME COMPONENT BALANCE OF (FW) FEEDWATER PHASE 1	15OCT84	
1AHP1-50	CONST TURNOVER ASME COMPONENT-HP CORE SPRAY (HP)	15OCT84	
1ARR1-10	REACTOR RECIRCULATION SYSTEM TURNOVER CONSTR.TURNOVER- REACTOR RECIRCULATION (RR)	23OCT84	
1AVR1-10	CONSTR. TURNOVER- CONTAINMENT BLDG HVAC (VR)	02NOV84	
1AAZ1-1024	480VLT BUS K TURNOVER, TEST & ENERGIZE (AZ)	05NOV84	
1ARF1-10	CONSTR. TURNOVER- CNTMT AUX&FUEL BLD EQUIP DRN	06NOV84	
1AVJ1-10	CONSTR. TURNOVER- MACHINE SHOP VENTILATION (VJ	13NOV84	
1AWD3-10	CONSTR TURNOVER CHILLED WATER PH3 (WD)	13NOV84	
1ACC1-10	COMPONENT COOLING SYSTEM TURNOVER CONST.TURNOVER COMPONENT COOLING WATER (CC)	26NOV84	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14VY1-10	CONSTR. TURNOVER- ECCS EQUIPMENT COOLING (VY)	27NOVA4	
14LM1-10	CONSTR.TURNOVER-LOOSE PARTS MONITORING (LM)	10DECA4	
14RD1-50	CONST TURNOVER ASME COMPONENTS-CONTROL ROD (RD) DRIVES PHASE 1	10DECA4	
14HY1-10	CONSTRUCTION TURNOVER-HYDROGEN (HY)	11DECA4	
14AR2-10	CONST.TURNOVER-AREA/PROC RAD.MONITOR PH2 (AR/PR)	17DECA4	
14VP1-10	CONSTR. TURNOVER- DRYWELL COOLING (VP)	18DECA4	
14WD6-10	CONSTR TURNOVER CHILLED WATER PH6 (WD)	20DECA4	
14SX1-50	CONST.TURNOVER ASME COMPONENTS-SHUTDOWN (SX) SERVICE WATER	26DECA4	
14RA1-50	CONST TURNOVER ASME COMPONENT-RESPIRATOR AIR(RA)	27DECA4	
14RC1-10	CONSTR. TURNOVER- ROD CONTROL&INFO SYSTEM	03JANA5	
14FP5-10	CONST TURNOVER FIRE PROT/CARB DIOX PH5 (FP/CO)	07JANA5	
14DG1-10	CONSTR.TURNOVER-DIESEL GEN/DIESEL OIL (DG/DO) DIV1 & DIV 2	10JANA5	
14RD2-10	CONTROL ROD DRIVE SYSTEM TURNOVER (PHASE 2) CONSTR. TURNOVER-CONTROL ROD DRIVES PH2 (RD)	18JANA5	
14TT1-10	CONST. TURNOVER-TRANSIENT TEST SYSTEM (TT)	18JANA5	
14SS4-10	CONST.TURNOVER-SECURITY SYSTEM PHASE 4 (SS)	21JANA5	
14WD5-10	CONSTR TURNOVER CHILLED WATER PH5 (WD)	21JANA5	
14AZ1-1030	480 VOLT BUS C TURNOVER TEST&ENERGIZE (AZ)	23JANA5	
14AZ1-1031	480 VOLT BUS D TURNOVER TEST&ENERGIZE (AZ)	23JANA5	
14PE1-50	CONST TURNOVER ASME COMPONENTS-CNMT AUX&FUEL(PE) BUILDING EQUIPMENT DRAINS	23JANA5	
14VL1-10	CONSTR.TURNOVER- LABORATORY HVAC (VL)	29JANA5	
14VQ1-10	CONSTR. TURNOVER- DRYWELL PURGE (VQ)	04FEBA5	
14AZ2-10A6	AUX BLDG RISER 1A TURNOVER,TEST+ ENERGIZE(AZ)	07FEBA5	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
1AAZ2-1087	AUX BLDG RISER 1B TURNOVER,TEST+ ENERGIZE(AZ)	07FEB85	
1AHG1-T0	CONSTR.TURNOVER- CONTAINMENT COMB GAS CONTROL	11FEB85	
1ACC1-50	CONST TURNOVER ASME COMPONENTS-COMP CLG WTR (CC)	18FEB85	
1AFH1-T0	CONSTR. TURNOVER- FUEL HANDLING/TRANSFER (FH)	19FEB85	
1AVR1-50	CONST.TURNOVER ASME COMPONENTS-CONTAINMENT (VR) BLDG HVAC	20FEB85	
1ASS6-T0	CONST.TURNOVER-SECURITY SYSTEM PHASE 6 (SS)	22FEB85	
1AFC1-50	CONST TURNOVER ASME COMPONENT-FUEL POOL (FC) COOLING&CLEANUP	26FEB85	
1AFP6-T0	CONSTR.TURNOVER-FIRE PROT/CAR DIOX PH6 (FP/CO)	26FEB85	
1AEM1-T0	CONSTR. TURNOVER- ENVIRONS MONITORING (EM)	27FEB85	
1ALD1-T0	CONSTR TURNOVER LEAK DETECTION (LD)	04MAR85	
1AVF1-T0	CONSTR. TURNOVER- FUEL BUILDING HVAC (VF)	05MAR85	
1AOG1-T0	CONSTR. TURNOVER- OFF GAS (OG)	11MAR85	
1AAZ2-1585	PERM WHSE MCC A TURNOVER & ENERGIZE ON PERM PWR	13MAR85	
1AAZ2-1586	PERM WHSE MCC B TURNOVER & ENERGIZE ON PERM PWR	13MAR85	
1AMS1-50	CONST TURNOVER ASME COMPONENT-MAIN STEAM (MS)	18MAR85	
1ANB1-50	CONST TURNOVER ASME COMPONENTS-NUC BOILER (NB)	18MAR85	
1ARR1-50	CONST TURNOVER ASME COMPONENT-REACTOR RECIRC(RR)	19MAR85	
1AIS1-50	CONST.TURNOVER-ASME COMPONENT MSIV LEAK CTRL(IS)	19MAR85	
1AVP1-50	CONST.TURNOVER ASME COMPONENTS-DRYWELL COOL.(VP)	19MAR85	
1APS3-T0	CONST.TURNOVER-PROCESS SAMPLING PH3 (PASS) (PS)	25MAR85	
1AAZ2-1090	CONTRL BLDG RISER C TURNOVER,TEST+ ENERGIZE(AZ)	02APR85	
1AAZ2-1091	CONTROL BLDG RISER DTURNOVER,TEST+ ENERGIZE(AZ)	02APR85	
1ARD3-T0	CONSTR.TURNOVER-CONTROL ROD DRIVES PH3 (RD)	03APR85	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14VC1-10	CONSTR TURNOVER- CONTROL ROOM HVAC PH1 (VC)	08APR85	
14A72-1092	FUEL BLDG RISER 1A TURNOVER,TEST+ ENERGZE(AZ)	23APR85	
14A72-1093	FUEL BLDG RISER 1B TURNOVER,TEST+ ENERGZE(AZ)	23APR85	
14NR1-10	CONSTR.TURNOVER-NEUTRON MONITORING PH1 (NR)	25APR85	
14HC5-10	FINAL CONST.TURNOVER CHKOUT FUEL BLDG CRANE HC5	07MAY85	
14CD1-10	CONSTR.TURNOVER CATHODIC PROTECTION SYSTEM(CD-1)	13MAY85	
14VQ1-50	CONST.TURNOVER ASME COMPONENTS-DRYWELL PURGE(VQ)	16MAY85	
14LL6-10	CONSTR.TURNOVER-LIGHTING PH 6 CONTM+SER BD(LL)	20MAY85	
14SV1-10	CONST. TURNOVER-SRV MONITORING SYSTEM (SV)	23MAY85	
14RP1-10	CONSTR.TURNOVER- REACTOR PROTECTION (RP)	29MAY85	
14CM1-50	CONSTR.TURNOVER- CONTAINMENT MONITORING (CM)	03JUN85	
14PP1-10	CONST TURNOVER PENETRATION PRESSURIZATION (PP)	03JUN85	
14DG1-50	CONST TURNOVER ASME COMPONENTS-DIESEL GEN(DG/DO) /DIESEL OIL DIV1&2	05JUN85	
14HG1-50	CONST TURNOVER ASME COMPONENT CONTAINMENT (HG) COMB GAS CONTROL	05JUN85	
14PS3-50	CONST TURNOVER ASME COMPONENTS-PROCESS (PS) SAMPLING PHASE 3 (PASS)	14JUN85	
14SE2-10	480 VOLT MCC SPARES	17JUN85	
14VD1-10	CONSTR. TURNOVER- OFF-GAS BUILDING HVAC (VD)	17JUN85	
14HC3-10	CONST. TURNOVER-HOISTS,CRANES&ELEVTRS PH3(HC)	20JUN85	
14VX2-10	CONSTR. TURNOVER-SWGR HEAT REMOVAL PH2 (VX)	02JUL85	
14VG1-10	CONSTR. TURNOVER- STANDBY GAS TREATMENT (VG)	05JUL85	
14LL2-10	CONSTR.TURNOVER-LIGHTING PH 2 RADWST BLDG (LL)	08JUL85	
14VA1-10	CONSTR. TURNOVER- AUXILIARY BUILDING HVAC (VA)	09JUL85	
14NR2-10	CONSTR TURNOVER-NEUTRON MONITORING PH2 (NR)	15JUL85	

ILLINOIS POWER COMPANY

STARTUP SUBSYSTEM TURNOVER DATES
NRC CARGILOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PRMTS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	TURN OVER DATE	STATUS
14SH5-10	CONSTR.TURNOVER-STA HTG PH5 AUX,CONMT,SERV(SH)	15JUL85	
14TT2-10	CONST. TURNOVER-TRANSIENT TESTING PH2 (TT)	15JUL85	
14LL3-10	CONSTR.TURNOVER-LIGHTING PH 3 CONTRL+DG BD(LL)	22JUL85	
14VC1-50	CONST.TURNOVER ASME COMPONENTS-CNTRL.RM.HVAC(VC)	22JUL85	
14LL4-10	CONSTR.TURNOVER-LIGHTING PH 4 TURB BLDG (LL)	29JUL85	
14LL5-10	CONSTR.TURNOVER-LIGHTING PH 5 AUX+FUEL BD (LL)	05AUG85	
14LL1-10	CONSTR.TURNOVER-LIGHTING PH 1 S HSE(LL)	12AUG85	
14SH3-10	CONSTR.TURNOVER-STA HTG PH3 CONTL+DG BLDG (SH)	12AUG85	
14EW1-10	CONST.TURNOVER-ELECTRICAL WELDING PWR (EW)	26AUG85	
14HI1-10	CONSTR.TURNOVER HYDROGEN IGNITION SYSTEM (HI-1)	03SEP85	
14HC6-10	CONSTR TURNOVER POLAR CRANE (HC PH 6)	09SEP85	
14HC1-10	CONSTR. TURNOVER- HOISTS,CRANES&ELEVATORS PH1	16SEP85	
14TP1-10	CONST.TURNOVER-TRAVERSING INCORE PROBE (TP)	17SEP85	
14VX2-50	CONSTR.TURNOVER ASME COMPONENTS-PWGR HEAT REMOVAL SYSTEM (VX)	24SEP85	
14HC4-10	FINAL CONST.TURNOVER&CHKOUT TURB BLDG CRANE HC4	01OCT85	

ACCEPTANCE/PREOPERATIONAL TEST STATUS

ACCEPTANCE TESTS (Total: 42)

One (1) completed: HC-01 Turbine Building Crane to be retested in October 1985.

Five (5) in progress:

AC/OH-01	Acid and Caustic Handling (98%)
AN-01	Annunciators (95%)
WM-01	Makeup Demineralizer (95%)
WM-02	Waste Water Treatment (98%)
WT-01	Turbine Bldg. Closed Cooling Water (90%)

PREOPERATIONAL TESTS (Total: 85)

One (1) in progress: DC-01 Battery and DC Distribution (10%)

REMAINING TESTS

Enclosed is the schedule for all remaining acceptance and preoperational tests.

ILLINOIS POWER COMPANY

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
14WH4-A0	ACCEPTNC TEST- WASTE WTR TRTMNT WWTS ATP-WH-02	15JUL83	15JUL83	
14DM2-A0	ACCEPT.TESTING-SCRN HSE & PMP HSE DRAINS (DM) ATP-DM-01	21JUL83	22JUL83	
14DA1-A0	ACCEPT TESTING-RADWASTE DIG. DATA ACQUISTION(DA) ATP-DA-01	12AUG83	04NOV83	
14SW1-A0	ACCEPT.TESTING-SCREEN WASH (SW) ATP-SW-01	26AUG83	09SEP83	
14WM3-A0	ACCEPT TESTING MAKEUP DEMINERALIZER ATP-WM-01	02SEP83	07SEP83	
14AC1-A0	ACCEPT.TESTING-ACID & CAUSTIC HANDLING (AC/DH) ATP-AC/DH-01	07SEP83	07SEP83	
14MP1-A0	ACCEPT.TESTING-MAIN POWER (MP) ATP-MP-01	10OCT83	04NOV83	
14SO1-A0	ACCEPT.TESTING-HYDROGEN SEAL OIL (SO) ATP-SO-01	09NOV83	02DEC83	
14CD1-A0	PREOP TESTING- CONDENSATE (CD) PTP-CD/CB-01	05DEC83	06JAN84	
14CP1-A0	ACCEPT.TESTING-CONDENSATE POLISHING (CP) ATP-CP-01	09JAN84	10FEB84	
14CX1-A0	ACCEPT.TESTING- ATP-CZ-01 DISPLAY COMPUT.(CX/CZ)	09JAN84	09MAR84	
14TO1-A0	ACCEPT.TESTING-TURB.OIL/OIL TRANSFER (TO/OT) ATP-TO/OT-01	09JAN84	03FEB84	
14OG1ZA0	PREOP. TESTING-OFF GAS LIMITED PTP-OG-01	31JAN84	27FEB84	
14WZ2-A0	PREOP TESTING- CHEM RADWSTE REPROC&DISP PTP-WZ-01	31JAN84	13FEB84	
14WT1-A0	ACCEPT.TESTING-TURB BLD CLOSED COOLING WATER(WT) ATP-WT-01	15FEB84	15FEB84	
14CA2-A0	ACCEPT.TESTING- CONDENSER VACUUM (CA)	16FEB84	29FEB84	

ILLINOIS POWER COMPANY

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE

PROJECT: CLINTON POWER STATION UNIT 1 NRC CASELOAD FORECAST

PRMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION		SCHED START DATE	SCHED FINISH DATE	STATUS
	ATP-CA-01				
14ES2-A0	ACCEPT. TESTING-EXTRACTION STEAM ATP-ES-01	(ES)	16FEB84	07MAR84	
14HD1-A0	ACCEPT. TESTING- FEED WATER HEATER DRAINS ATP-HD/DV-01	(HD)	16FEB84	04APR84	
14TE1-A0	PREOP TESTING-TURB & MISC BLD/FLOOR DRAINS PTP-TE-01	(TE)	16FEB84	22FEB84	
14TS1-A0	ACCEPT. TESTING-TURBINE SUPERVISORY ATP-TS-01	(TS)	16FEB84	28MAR84	
14AS1-A0	ACCEPT. TESTING-AUXILIARY STEAM ATP-AS-01	(AS)	17FEB84	08MAR84	
14WE2-A0	PREOP TESTING- EQUIP DRN RW REPROC&DISP PTP-WE-01		17FEB84	08MAR84	
14WF2-A0	PREOP TESTING- FLOOR DRN RW REPRO&DISP PTP-WF-01		17FEB84	15MAR84	
14CY3-A0	ACCEPT. TESTING-COND/CLN COND STG ATP-CY/MC-01	(CY/MC)	06MAR84	02APR84	
14TG1-A0	ACCEPT. TESTING-TURB. GEN AUX. & MISC. DEVICES ATP-TG-01	(TG)	09MAR84	19APR84	
14GC1-A0	ACCEPT. TESTING-GENERATOR STATOR COOLING ATP-GC-01	(GC)	26MAR84	20APR84	
14IA3-A0	PREOP TESTING- SERVICE AIR (SA) PTP-IA/SA-01		20APR84	22JUN84	
14SP1-A0	PREOP. TESTING NSPS SELF-TEST PTP-SP-01		24APR84	29MAY84	
14VS1-A0	ACCEPT. TESTING-SERVICE BUILDING ATP-VS-01	(VS)	27APR84	03MAY84	
14CX1-A1	ACCEPT. TESTING- ATP-CX-01 PROCESS COMPUT.	(CX/CZ)	30APR84	21AUG84	
14DC1-A0	PREOP TESTING- BATTERY & DC DIST (DC) PTP-DC-01		04MAY84	29JUN84	
14AD1-A0	BEGIN PREOP TESTING ADS TESTING (AD)		14MAY84	17JUL84	

ILLINOIS POWER COMPANY

PROJECT: CLINTON POWER STATION UNIT 1

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-NB-02			
14RP1-AD	PREOP TESTING-REACTOR PROTECTION (RP) PTP-RP-01	14MAY84	07AUG84	
14RF1-AD	PREOP TESTING-CNMT AUX&FUEL BLD FLOOR DRNS(RF) PTP-RF-01	23MAY84	30MAY84	
14TF2-AD	PREOP TESTING-TURB & MISC BLD/FLOOR DRAINS(TF) PTP-TF-01	25MAY84	05JUN84	
14SF1-AD	ACCEPT.TESTING-SUPRESSION POOL C/U TRF (SF) ATP-SF-01	29MAY84	25JUN84	
14NS1-AD	PREOP TESTING-NSSSS TESTING (NS) PTP-NB-01	18JUN84	25SEP84	
14CL1-AD	ACCEPT.TESTING-CHLORINATION (CL) ATP-CL-01	29JUN84	11JUL84	
14IP1-AD	PREOP TESTING- INSTRMENT PWR (AC)(IP) PTP-IP-01	29JUN84	03AUG84	
14TW1-AD	ACCEPT.TESTING-FILTERED WATER (TW) ATP-TW-01	29JUN84	13JUL84	
14VT2-AD	PREOP.TESTING-TURBINE BUILDING HVAC (VT) PTP-VT-01	02JUL84	09JUL84	
14AN1-AD	ACCEPT. TESTING ANNUNCIATORS (AN) ATP-AN-01	13JUL84	16AUG84	
14CW1-AD	PREOP TESTING- CIRCULATING WATER (CW) PTP-CW-01	16JUL84	10AUG84	
14EH1-AD	ACCEPT TESTING TURB ELECTRO HYD CONTROL (EH) ATP-EH-01	16JUL84	01OCT84	
14VW1-AD	PREOP TESTING- RADWASTE BUILDING HVAC (VW) PTP-VW-01	30JUL84	10AUG84	
14DL1-AD	ACCEPT.TESTING-LAUNDRY EQUIP&FLR.DRNS TO RW (DL) ATP-DL-01	10AUG84	13AUG84	
14FR1-AD	PREOP. TESTING-PGCC FIRE PROTECTION (PG) PTP-FP/CO-02	21AUG84	16OCT84	
14VT1-AD	PREOP TESTING-TURBINE BUILDING HVAC (VT)	14SEP84	04OCT84	

ILLINOIS POWER COMPANY

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-VT-02			
14CQ4-A0	PREOP TESTING- COMMUNICATIONS (CO) PTP-CQ-01	20SEP84	26NOV84	
14FW2-A0	PREOP. TESTING- FEED WATER (FW) PTP-FW-01	24SEP84	09NOV84	
14EH2-A0	ACCEPT TESTING-STEAM BYPASS-PRESS.REGULATION(EH) ATP-EH-02	01OCT84	19DEC84	
14WY1-A0	PREOP TESTING LAUNDRY & MISC RW REPR/DISP (WY) PTP-WY-01	05OCT84	15OCT84	
14WX3-A0	PREOP TESTING- SOLID RW REPROC&DISP (WX) PTP-WX-01	17OCT84	14NOV84	
14CS1-A0	PREOP TESTING-FEEDWATER CONTROL SYSTEM (CS) PTP-FW-02	06NOV84	28JAN85	
14GS2-A0	ACCEPT.TESTING-GLAND SEAL SYSTEM (GS) ATP-GS-01	07NOV84	21NOV84	
14VJ1-A0	ACCEPT.TESTING-MACHINE SHOP VENTILATION (VJ) ATP-VJ-01	03JAN85	09JAN85	
14SX1-A1	PREOP TESTING SHUTDOWN SERVICE WATER (SX) PTP-SX-02 VORTEX TESTING	15JAN85	28JAN85	
14VD1-A0	PREOP TESTING- DIESEL GENERATOR ROOM VENT PTP-VD-01	15JAN85	04FEB85	
14VH2-A0	PREOP TESTING-SCRN HSE&MU PMP HSE VENT (VH) PTP-VH-01	15JAN85	23JAN85	
14WS2-A0	ACCEPT.TESTING-PLANT SERVICE WATER (WS) ATP-WS-01	15JAN85	04FEB85	
14VH2-A1	ACCEPT.TESTING-SCREEN HSE & MU PMP HSE VENT (VH) ATP-VH-02	24JAN85	30JAN85	
14RA1-A0	PREOP.TESTING RESPIRATOR AIR (RA) ATP-RA-01	25JAN85	14FEB85	
14RE1-A0	PREOP TESTING-CNMT AUX&FUEL BLD EQUIP DRNS(RE) PTP-RE-01	28JAN85	01FEB85	
14AX3-A0	PREOP TESTING- 4160V	29JAN85	18FEB85	

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-AX/AY-01			
14SC1-A0	PREOP TESTING- STANDBY LIQUID CONTROL (SC) PTP-SC-01	11FEB85	08MAR85	
14HP1-A0	BEGIN PREOP TESTING-HIGH PRESSURE CORE SPRAY (HP PTP-HP-01	18FEB85	01MAR85	
14HY1-A0	ACCEPT.TESTING-HYDROGEN SYSTEM (HY) ATP-HY-01	19FEB85	11MAR85	
14RR1-A1	PREOP. TESTING-REACTOR RECIRCULATION (RR) PTP-RR-03(RECIRC.FLOW CONT.VALVE HYD.POWER UNIT)	04MAR85	12APR85	
14LP1-A0	BEGIN PREOP TESTING-LOW PRESSURE CORE SPRAY (LP) PTP-LP-01	07MAR85	20MAR85	
14CC1-A0	PREOP TESTING- COMPONENT COOLING WATER (CC) PTP-CC-01	11MAR85	19APR85	
14RI1-A0	BEGIN PREOP TESTING-RX CORE ISOLATION COOLING PTP-RI-01	11MAR85	29MAR85	
14RH1-A0	PREOP TESTING- RESIDUAL HEAT REMOVAL (RH) PTP-RH-01	18MAR85	24MAY85	
14VY1-A0	PREOP TESTING- ECCS EQUIPMENT COOLING (VY) PTP-VY-01	18MAR85	29MAR85	
14FC1-A0	PREOP TESTING -FUEL POOL COOLING & CLEANUP(FC) PTP-FC/SM-01	19MAR85	29APR85	
14MP1-A1	ACCEPT.TESTING-MAIN POWER (GENERATOR/ALTEREX) MP ATP-MP-02	19MAR85	29APR85	
14PS2-A0	ACCEPT.TESTING-PROCESS SAMPLING (PS) ATP-PS-01	19MAR85	29APR85	
14VP1-A0	PREOP TESTING- DRYWELL COOLING (VP) PTP-VP-01	22MAR85	18APR85	
14NB1-A0	PREOP TESTING-PROCESS INSTRUMENTATION (NB) PTP-NB-03	25MAR85	03MAY85	
14RN1-A0	PREOP. TESTING-REACTOR RECIRC CONT. SYSTEM (RN) PTP-RR-01	29MAR85	22JUL85	
14FP0-A0	PREOP TESTING-FIRE PROTECTION/CAR DIOX(FP/CO)	05APR85	16MAY85	

ILLINOIS POWER COMPANY

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-FP/CO-01			
14VR1-A0	PREOP TESTING- CONTAINMENT BLDG HVAC (VR) PTP-VR-01	10APR85	07MAY85	
14RR1-A0	PREOP TESTING- REACTOR RECIRCULATION (RR) PTP-RR-02(RECIRC PUMP & MOTOR / LOGIC)	15APR85	18JUN85	
14MS1-A0	BEGIN PREOP TESTING-MAIN STEAM PTP-MS-01	18APR85	13JUN85	
14SS5-A0	ACCEPT.TESTING SECURITY ATP-SS-01	24APR85	03JUL85	
14AZ2-A0	PREOP TESTING- 480V PTP-AZ-01	26APR85	14JUN85	
14AR2-A0	PREOP TESTING -AREA/PROC RAD.MONITOR (AR/PR) PTP-AR/PR-01	29APR85	09OCT85	
14EM1-A0	PREOP. TESTING ENVIRONS MONITORING PTP-EM-01	29APR85	03JUN85	
14DG1ZA0	PREOP TESTING DIESEL GEN/DIES OIL DIV.3(DG1Z) PTP-DG/DO-03 (DIV 3)	03MAY85	29JUL85	
14FH1-A1	PREOP TESTING FUEL HANDLING&TRANSFER (FH) PTP-FH-02 (FUEL HANDLING SYSTEM)	03MAY85	23MAY85	
14VF1-A0	PREOP TESTING- FUEL BUILDING HVAC (VF) PTP-VF-01	03MAY85	16MAY85	
14IS1-A0	PREOP TESTING- MSIV LEAKAGE CONTROL (IS) PTP-IS-01	09MAY85	06JUN85	
14LM1-A0	PREOP. TESTING -LOOSE PARTS MONITORING (LM) PTP-LM-01	09MAY85	06JUN85	
15016RAR	RH/RI FLOW TEST & NSSS PREOP TESTING/FIVT INSTALL STEAM SEPARATOR & RPV HEAD PTP-RV-01	09MAY85	22JUN85	CRITICAL
14VL1-A0	ACCEPT.TESTING-LABORATORY HVAC (VL) ATP-VL-01 TESTING MUST BE COMPLETE 6 MONTHS PRIOR TO FUEL LOADING TO SUPPORT NRC INSPECTION OF LAB SPACES	10MAY85	16MAY85	
14LD1-A0	PREOP TESTING LEAK DETECTION (LD)	16MAY85	02AUG85	

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-LD-01			
14HC5-A0	PREOP. TESTING-FUEL BUILDING CRANE (HC5) PTP-HC-02	17MAY85	29MAY85	
14VQ1-A0	PREOP TESTING- DRYWELL PURGE (VQ) PTP-VQ-01	29MAY85	11JUN85	
14GD1-A0	ACCEPT.TESTING-CATHODIC PROTECTION SYSTEM (GD) ATP-GD-01	10JUN85	12JUL85	
14RC1-A0	PREOP TESTING- ROD CONTROL&INFO SYSTEM PTP-RC-01	20JUN85	25NOV85	
14HG1-A0	PREOP TESTING- CONTAINMENT COMB GAS CONTROL PTP-HG-01	24JUN85	22JUL85	
14PS3-A0	PREOP. TESTING-PROCESS SAMPLING PH3 (PASS) (PS) PTP-PS-01	08JUL85	05AUG85	
14WD7-A0	ACCEPT.TESTING-CHILLED WATER (WD) ATP-WD-01	12JUL85	08AUG85	
14RD3-A0	PREOP TESTING- CONTROL ROD DRIVES (RD) PTP-RD-01	21JUL85	05OCT85	CRITICAL
14RT1-A0	PREOP TESTING- REACTOR WATER CLEANUP (RT) PTP-RT-01	22JUL85	30AUG85	
14VC1-A0	PREOP TESTING- CONTROL ROOM HVAC (VC) PTP-VC-01	05AUG85	09SEP85	
14FH1-A0	PREOP TESTING- FUEL HANDLING&TRANSFER (FH) PTP-FH-01 (TRANSFER TUBE)	06AUG85	17SEP85	
14CM1-A0	PREOP TESTING- CONTAINMENT MONITORING (CM) PTP-CM-01	16AUG85	11OCT85	
14VO1-A0	PREOP TESTING- OFF-GAS BUILDING HVAC (VO) PTP-VO-01	16AUG85	29AUG85	
14LL6-A0	PREOP. TESTING-LIGHTING (LL) PTP-LL-01	21AUG85	18SEP85	
14RS1-A0	PREOP TESTING REMOTE SHUTDOWN SYSTEM PTP-RS-01	22AUG85	03OCT85	
14SV1-A0	PREOP. TESTING-SRV MONITORING SYSTEM (SV)	26AUG85	07OCT85	

ILLINOIS POWER COMPANY

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
	PTP-SV-01			
14NR2-A0	PREOP. TESTING- NEUTRON MONITORING (NR) PTP-NR-01	29AUG85	17DEC85	
14DG1-A0	PREOP TESTING-DIESEL GEN/DIESEL OIL (DG/DO) PTP-DG/DO-01 (DIV 1)	04SEP85	27NOV85	CRITICAL
14DG1-A1	PREOP.TESTING DIESEL GEN/DIESEL OIL (DG/DO) PTP-DG/DO-02 (DIV 2)	04SEP85	27NOV85	CRITICAL
14SX1-A0	PREOP TESTING- SHUTDOWN SERVICE WATER (SX) PTP-SX-01	04SEP85	22OCT85	
14NR2-A1	PREOP TESTING- NEUTRON MONITORING (NR) PTP-NR-02	13SEP85	17DEC85	
14OG1-A0	PREOP TESTING- OFF GAS (OG) PTP-OG-02	17SEP85	28OCT85	
14HC6-A0	PREOP TESTING-POLAR CRANE PH6 (HC) PTP-HC-01	20SEP85	10OCT85	
14VA1-A0	PREOP TESTING- AUXILIARY BUILDING HVAC (VA) PTP-VA-01	23SEP85	04OCT85	
14HI1-A0	PREOP TESTING HYDROGEN IGNITION SYSTEM (HI-1) PTP-HI-01	27SEP85	10OCT85	
14VX2-A0	PREOP TESTING- SWGR HEAT RMVL (VX) PTP-VX-01	04OCT85	17OCT85	
15027T8N	CONTAINMENT ISOLATION TEST PTP-N8-04	06OCT85	12OCT85	CRITICAL
14HC4-A0	ACCEPT.TESTING-TURB BUILDING CRANE -FINAL T/O) ATP-HC-01	10OCT85	21OCT85	
14VG1-A0	PREOP TESTING- STANDBY GAS TREATMENT (VG) PTP-VG-01	17OCT85	30OCT85	
15030RA0	PERFORM INTEGRATED LEAK RATE TEST CONTAINMNT STRUCTURAL& INTEGRTD LEAK RATE TEST PTP-IL/DW-01	27OCT85	09NOV85	CRITICAL
15035R8C	INTEGRATED ECCS TEST / LOSS OF SITE POWER TEST PTP-LE-01	28NOV85	18DEC85	CRITICAL

STARTUP ACCEPTANCE/PREOPERATIONAL TESTING SCHEDULE
NRC CASELOAD FORECAST

PROJECT: CLINTON POWER STATION UNIT 1

TIME NOW DATE 15JUL83

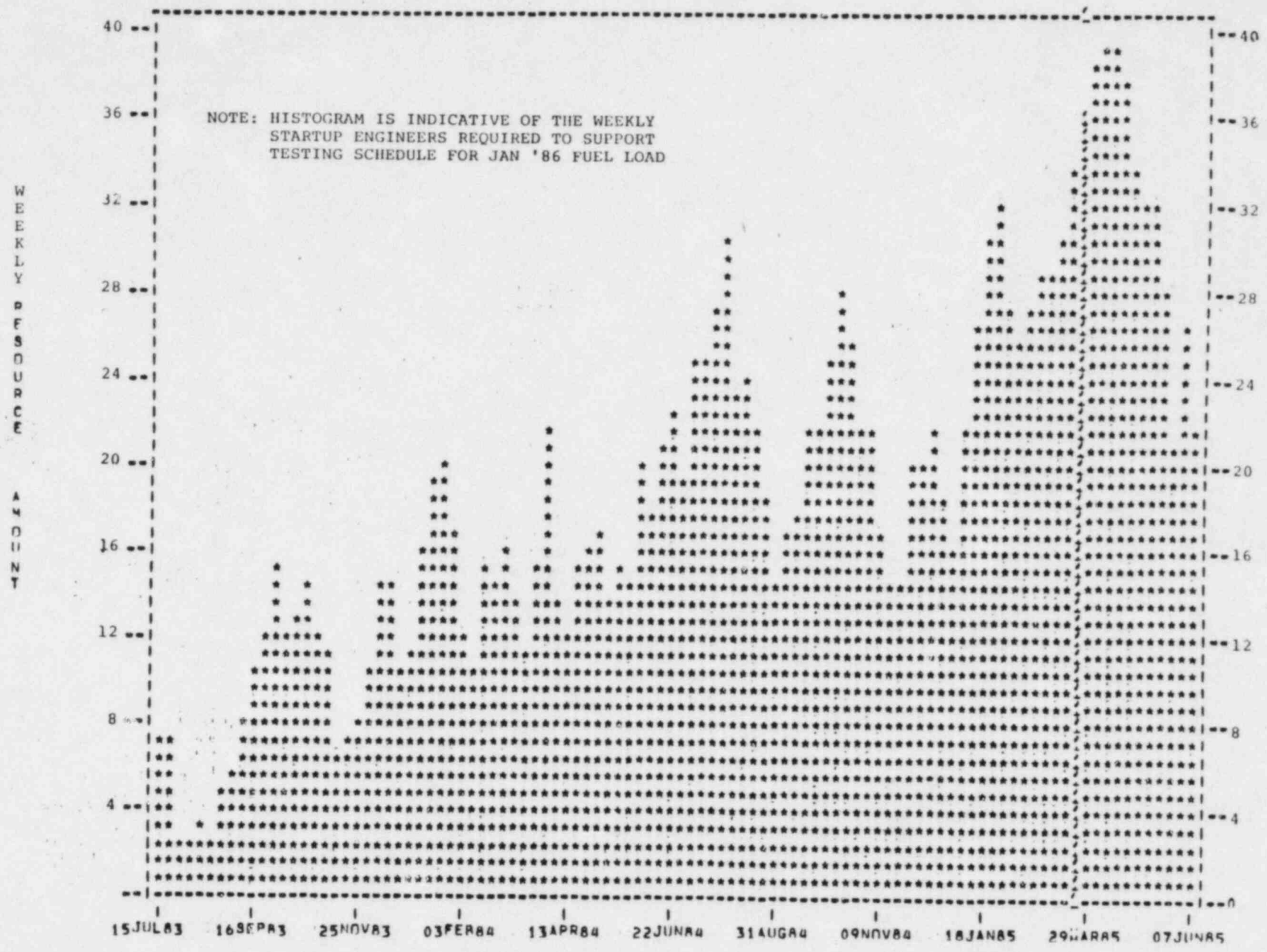
PROJECT END DATE 01JAN87

PREMIS ACTIVITY IDENT.	ACTIVITY DESCRIPTION	SCHED START DATE	SCHED FINISH DATE	STATUS
14TPI-A0	PREOP TESTING-PTP-TP-01 TRAVERSING INCORE PROBE (TP)	05DEC85	18DEC85	CRITICAL

COMPANY: ILLINOIS POWER COMPANY

PROJECT: CLINTON POWER STATION UNIT 1

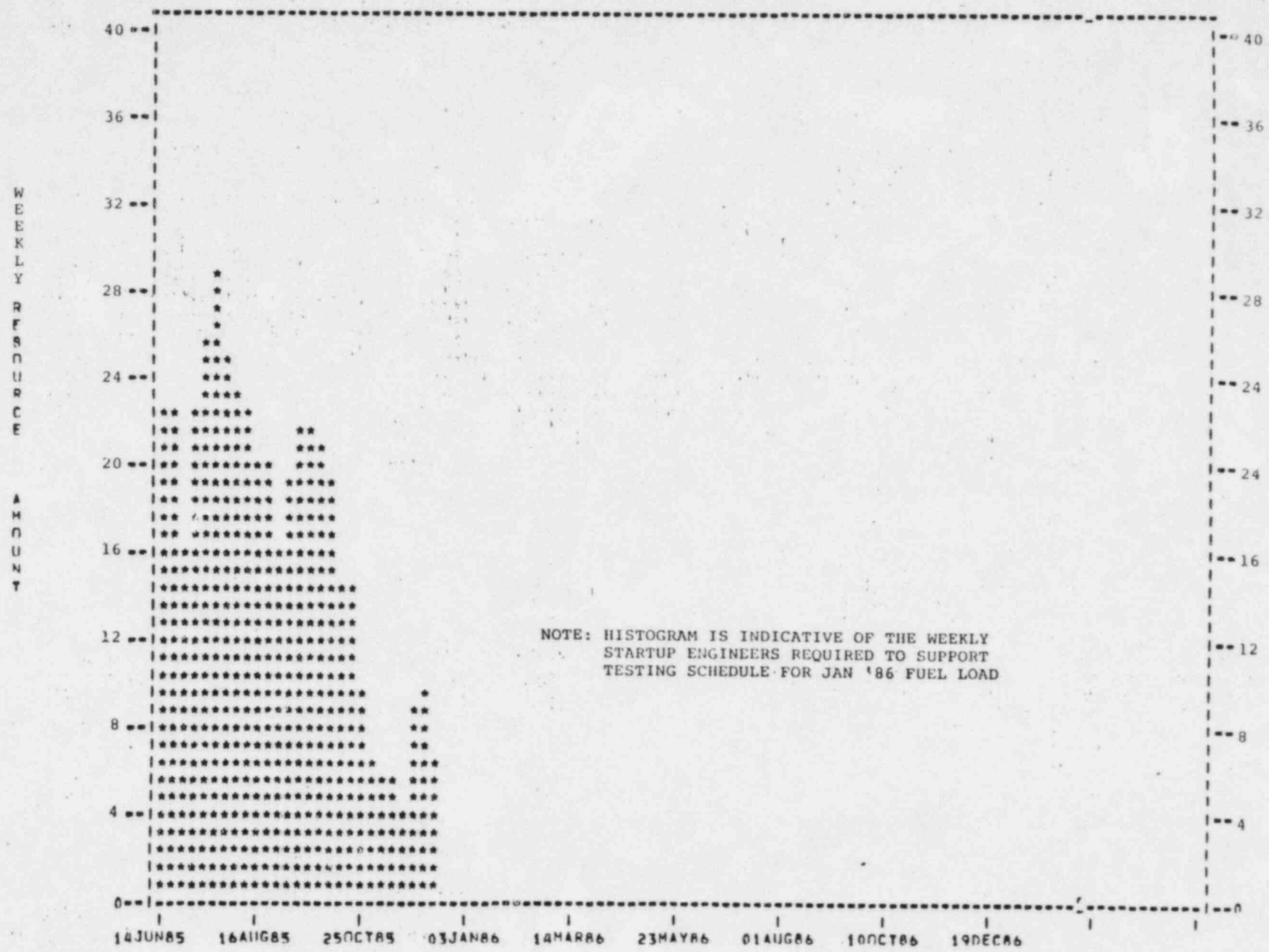
TIME SCHEDULING HISTOGRAM
BASED ON EARLY START



COMPANY: ILLINOIS POWER COMPANY

PROJECT: CLINTON POWER STATION UNIT 1

TIME SCHEDULING HISTOGRAM
BASED ON EARLY START



NOTE: HISTOGRAM IS INDICATIVE OF THE WEEKLY STARTUP ENGINEERS REQUIRED TO SUPPORT TESTING SCHEDULE FOR JAN '86 FUEL LOAD

SPARE PARTS STATUS

LINE ITEMS	SPECIAL	COMMERCIAL GRADE	TOTAL
IDENTIFIED/NOT REG.	670	424	1,094
REQUISITIONED	4,471	4,936	9,407
P.O. WRITTEN/NOT RECEIVED	164	2,734	2,898
RECEIVED	604	9,487	10,091
NOT IDENTIFIED	91	419	510
TOTAL	6,000	18,000	24,000

Startup Test Concerns

* Spare and replacement parts - As a result of the Procurement Stop Work, a large backlog of purchase orders have accumulated. These are being processed. However, the potential for delay due to spare parts availability and long procurement lead time is of concern.

* Preoperational Testing Activity - During the six months prior to fuel load the number of preoperational tests scheduled will create control and support issues. We are presently assessing the problem and planning corrective action. Some options which are available include:

    1) Rescheduling select system turnovers to occur earlier in the schedule.

    2) Scheduling work on a six day per week basis.

    3) Scheduling three shift testing during critical periods.

STATUS OF CLINTON POWER STATION SAFETY EVALUATION REPORT
LICENSING ISSUES

DOCUMENT OR STATUS	OUTSTANDING ISSUES	CONFIRMATORY ISSUES
SER	20	64
SSER #1	16	38
SSER #2	9	31
UNDER NRC REVIEW	5	14
ITEMS REQUIRING IP INPUT TO NRC	4	17

SER ISSUED 2/82

SSER #1 ISSUED 7/82

SSER #2 ISSUED 5/83

SER OUTSTANDING ISSUES
REQUIRING IP INPUT

#7 ENVIRONMENTAL AND SEISMIC QUALIFICATION PROGRAM NRC AUDIT (8/84)

#17 ORGANIZATION AND STAFFING - REVIEW TO BE PERFORMED BY NRC 3-6 MONTHS PRIOR TO FUEL LOAD AT CPS

#18 EMERGENCY PLAN - CURRENT IP ACTIVITIES INCLUDE:
SUBMITTAL OF REVISED EMERGENCY PLAN. (10/83)

RESPONSE TO NRC QUESTIONS ON METEOLOGICAL PROGRAM AND OFFSITE DOSE PROJECTION (9/83).

EMERGENCY RESPONSE FACILITIES DESCRIPTION SUBMITTAL (6/83).

#20 COMPONENT QUALITY CLASSIFICATION.
FINAL SUBMITTAL PLANNED FOR 9/83.

SER OUTSTANDING ISSUES
UNDER NRC REVIEW

# 1	TRANSPORTATION ACCIDENTS	-	SUBMITTED 3/83
# 5	POSTULATED PIPING FAILURES	-	SUBMITTED 3/83
# 9	POOL DYNAMIC LOADS	-	SUBMITTED 7/83 *
# 13	REMOTE SHUTDOWN SYSTEM	-	SUBMITTED 4/83
# 15	CONTROL SYSTEM FAILURES	-	SUBMITTED 12/82

* RECENT VERBAL COMMUNICATIONS WITH NRC STAFF INDICATES THAT ADDITIONAL INFORMATION MAY BE REQUIRED TO RESOLVE THE ISSUE.

SUMMARY OF SER ISSUES
WITH SIGNIFICANT HARDWARE
IMPACT WHICH ARE CURRENTLY UNDERWAY

SER OUTSTANDING ISSUES	HARDWARE NEEDED	IS SCHEDULE IMPACT EXPECTED?
#12 ESF RESET CONTROLS	LOGIC CHANGES	NO
#13 REMOTE SHUTDOWN	INSTRUMENTS/CONTROLS	NO
SER CONFIRMATORY ISSUES		
#16 SCRAM DISCHARGE SYSTEM	VALVES/INSTRUMENTATION/PIPING	NO
#23 HIGH DRYWELL PRESSURE INTERLOCKS	LOGIC CHANGES	NO
#24 ATWS RECIRCULATION PUMP TRIP	LOGIC CHANGES	NO
#69 CONTAINMENT PURGE	HVAC/PIPING	NO
SER LICENSE CONDITIONS		
#5 HYDROGEN MANAGEMENT	HYDROGEN IGNITORS	NO
#7 DIESEL GENERATOR RELIABILITY	TURBOCHARGERS/AIR DRYERS	NO

Outstanding Issue #12 Engineered Safety Features Reset Controls (IE Bulletin 80-06)

Illinois Power presents a submittal to the NRC on this issue	3/83**
NRC acceptance of submittal in SSER #2	5/83**
Authorization of NSSS valve logic changes	6/83**
Authorization of BOP valve logic changes	6/83**
Release of BOP wiring drawings to field	1/84
Completion of NSSS valve logic changes (logic cards)	2/84
Completion of testing for NSSS valves	9/84
Completion of BOP valve logic changes	1/85
Completion of testing for BOP valves	8/85

**Denotes activities completed per this schedule

Outstanding Issue #13 Remote Shutdown System

Resolution to issue proposed in FSAR Amendment 21 (Installation of Div. 2 indicators and SRV controls to get to hot shutdown)	12/82**
Design changes authorized	2/83**
Master C&I diagrams completed	7/83**
Wiring Diagrams completed	11/83
Remote Shutdown System Construction completed	2/85
Testing of Remote Shutdown System	10/85

**Denotes activities completed per this schedule.

CONFIRMATORY ISSUE #16 SCRAM DISCHARGE SYSTEM EVALUATION

NRC RELEASES GENERIC STUDY ENTITLED "BWR SCRAM DISCHARGE SYSTEM SAFETY EVALUATION"	12/80**
IP LETTER TO NRC EVALUATES THE CPS SCRAM DISCHARGE SYSTEM AGAINST THE NRC SAFETY EVALUATION REPORT AND DESCRIBES MODIFICATIONS	12/81**
MODIFICATION DESIGN COMPLETED	3/82**
EQUIPMENT DELIVERY COMPLETED	12/83
INSTALLATION COMPLETED	2/84
TESTING COMPLETED FOR CRD SYSTEM	10/85

**DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

CONFIRMATORY ISSUE #23 HIGH DRYWELL PRESSURE INTERLOCKS

GENERIC (LRG II) POSITION PAPER SUBMITTED TO THE NRC	1/82**
GENERIC POSITION PAPER ACCEPTED BY THE NRC	5/82**
MODIFICATION PROPOSAL RECEIVED BY IP	7/82**
PROPOSAL EVALUATED AND WORK AUTHORIZED	1/83**
INSTALLATION OF MODIFICATION COMPLETED	2/84
TESTING COMPLETED	9/84

**DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

CONFIRMATORY ISSUE #24 ATWS RECIRCULATION PUMP TRIP

DESIGN RELEASED FOR PIPING FOR STANDBY LIQUID CONTROL TWO PUMP FLOW	10/81**
INSTALLATION OF THE ATWS RECIRCULATION PUMP TRIP IS ESTABLISHED AS A CONFIRMATORY ITEM IN THE SER	2/82**
WORK INITIATED ON RECIRCULATION PUMP TRIP DESIGN BY QUADREX*	3/83**
DESIGN SPECIFICATION COMPLETED BY QUADREX AND ISSUED FOR ILLINOIS POWER REVIEW	7/83**
MODIFIED PIPING FOR TWO PUMP FLOW INSTALLED	6/84

(REMAINING ACTIVITIES FOR THIS ITEM HAVE NOT BEEN SCHEDULED PENDING ATWS RULEMAKING)

* ALTERNATE ROD INSERTION SYSTEM (ARI) IS INCLUDED AS PART OF THIS DESIGN.

** DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

CONFIRMATORY ISSUE #69 CONTAINMENT PURGE

NRC POSITION AS PRESENTED IN THE SER FINDS CONTINUOUS USE OF THE 36" SYSTEM UNDESIRABLE	2/82**
S&L CONTAINMENT PURGE DESIGN MODIFICATIONS AUTHORIZED BY ILLINOIS POWER	10/82**
AGREEMENT REACHED BETWEEN THE NRC AND ILLINOIS POWER ON THE CONCEPTUAL DESIGN FOR CONTAINMENT PURGE	1/83**
RELEASE OF S&L DESIGN DRAWINGS COMPLETED	5/84
EQUIPMENT DELIVERY COMPLETED	5/84
INSTALLATION COMPLETED	10/84
TESTING COMPLETED	5/85

**DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

LICENSE CONDITION #5 HYDROGEN MANGEMENT (HYDROGEN IGNITOR SYSTEM)

SPECIFICATION FOR HYDROGEN IGNITORS RELEASED FOR BID	12/82**
CONTRACT FOR IGNITORS AWARDED	8/83
DESIGN DRAWING RELEASE COMPLETED	3/84
EQUIPMENT DELIVERY COMPLETED	9/84
INSTALLATION OF HYDROGEN IGNITOR SYSTEM COMPLETED	5/85
TESTING OF HYDROGEN IGNITOR SYSTEM COMPLETED	10/85

**DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

LICENSING CONDITION #7 DIESEL GENERATOR RELIABILITY

NRC STAFF REQUIREMENTS FOR MODIFICATION TO IMPROVE DIESEL GENERATOR RELIABILITY ARE STATED IN THE SER	2/82**
INSTALLATION OF THE AIR DRYERS COMPLETED	8/84
DIESEL GENERATORS INSTALLATION COMPLETED	1/85
TESTING COMPLETED FOR DIESEL GENERATORS	7/85
INSTALLATION OF HEAVY-DUTY TURBOCHARGER DRIVE GEAR ASSEMBLIES COMPLETED	(DURING FIRST REFUELING OUTAGE)

**DENOTES ACTIVITIES COMPLETED PER THIS SCHEDULE

CATEGORIES AND LICENSING STATUS OF NUREG-0737 REQUIREMENTS

CATEGORY OF REQUIREMENTS	STATUS					TOTAL
	OUTSTANDING	CONFIRMATORY	LICENSE CONDITION	CLOSED	UNDER NRC REVIEW	
ADMINISTRATIVE	1	0	0	14	0	15
TRAINING	0	1	0	3	0	4
ANALYSIS	0	3	0	13	1	17
HARDWARE	2	6	1	8	2	19 *
TOTAL	3	10	1	38	3	55

* 4 OF THESE HARDWARE ITEMS ARE COMPLETE.
15 OF THESE HARDWARE ITEMS ARE IN PROGRESS.

SER OUTSTANDING NUREG-0737 REQUIREMENTS

ITEM NO.	DESCRIPTION	COMPLETION DATE
III.A.1.1	UPGRADE EMERGENCY PREPAREDNESS (WARNING SYSTEM INSTALLATION)	1/85
III.A.1.2	UPGRADE EMERGENCY SUPPORT FACILITIES	12/84
III.A.2	IMPROVING EMERGENCY PREPAREDNESS LONG TERM	9/83

NOTE: THESE ISSUES RELATE TO SER OUTSTANDING ISSUE NO. 18.

SUMMARY OF NUREG 0737
ITEMS WITH HARDWARE IMPACT
WHICH ARE CURRENTLY UNDERWAY

TMI ACTION PLAN ITEM		HARDWARE NEEDED	IS SCHEDULE IMPACT EXPECTED?
I.A.3.1	LICENSING EXAMINATION	SIMULATOR	NO
I.C.1	EMERGENCY PROCEDURE GUIDELINES	INSTRUMENTATION	NO
I.D.1	CONTROL ROOM DESIGN	PANEL CHANGES	NO
I.D.2	SAFETY PARAMETER DISPLAY	INSTRUMENTATION	NO
II.B.3	POST-ACCIDENT SAMPLING	SAMPLE SYSTEM	NO
II.D.3	SRV POSITION INDICATION	INSTRUMENTATION	NO
II.E.4.2	CONTAINMENT ISOLATION	LOGIC CHANGES	NO
II.F.1	ACCIDENT MONITORING	INSTRUMENTATION	NO
II.F.2	INADEQUATE CORE COOLING	INSTRUMENTATION	NO
II.K.3(13)	RCIC AUTOMATIC RESTART	LOGIC CHANGES	NO
II.K.3(15)	RCIC BREAK DETECTION	LOGIC CHANGES	NO
II.K.3(16)	REDUCTION OF SRV CHALLENGES	LOGIC CHANGES	NO
II.K.3(18)	ADS LOGIC MODIFICATIONS	LOGIC CHANGES	NO
III.A.1.1	UPGRADE EMERGENCY PREPAREDNESS	WARNING SYSTEMS	NO
III.A.1.2	EMERGENCY SUPPORT FACILITIES	EOF/TSC	NO

I.A.3.1 Revise Scope and Criteria for Licensing Examinations -- Simulator Exam

CPS simulator specification released for bids	4/81**
Contract awarded	3/82**
Simulator Facory Testing completed by Illinois Power	8/84
EOF/Simulator building construction completed	8/84
Simulator delivery completed	10/84
Installation of simulator completed	10/84
Receipt testing of simulator completed	10/84

** Denotes activities completed per this schedule

I.C.1 Guidance for the Evaluation and Development of Procedures for Transients and Accidents

Review of BWROG Generic Emergency Procedure Guidelines (EPGs) completed. Additional EPG instrument defined	8/83
Preparation of plant specific EPGs completed	2/84
CPS Emergency Operating Procedures (EOPs) Verification and Validation (V&V) Program preparation completed	4/84
Additional EOP instrumentation installed	11/84
EOP V&V Program completed - Upgrade EOPs completed	12/84
CPS Operator training on Upgraded EOPs completed	2/85
Testing of EPG instrumentation completed	10/85

I.D.1 Control Room Design Reviews

Preliminary Design Assessment (PDA)/Control Room Design Review Conducted by NRC	11/81**
Main Control Room modifications completed to correct human engineering deficiencies from PDA	3/84
Control Room Review started	12/85
Control Room Review Completed	6/85
Control Room Review Summary Report submitted to NRC (list of deficiencies and schedule of corrective action)	7/85

** Denotes activities completed per this schedule

I.D.2 Safety Parameter Display Console

SPDS Pre-Implementation Review Package and SPDS Safety Analysis Report submitted to NRC	11/83
SPDS System specification prepared	11/83
Contract awarded	2/84
Design drawings completed	5/84
System installation completed	7/84
Testing completed	9/84

II.B.3 Post-Accident Sampling

S&L sample system design effort authorized	7/80**
Sample system specification prepared	11/80**
Specification released for bids	12/80**
Contract awarded	5/81**
Design completed for HVAC, power cable, shielding and pipe routing	10/82**
Sample system delivery completed	9/83
Control room panel delivery completed	8/84
Installation completed	11/84
Testing completed	8/85

**Denotes activities completed per this schedule.

II.D.3 SRV Position Indication

Position indication engineering authorized for S&L effort	4/80**
Position indication system specification released for bids	10/80**
All bids received for evaluation	11/80**
Contract awarded	5/81**
Design completed and released for construction	2/83**
Delivery of equipment completed	3/84
Installation completed	4/85
Testing completed	5/85

**Denotes activities completed per this schedule

II.E.4.2 Containment Isolation Dependability

Illinois Power presents a submittal to the NRC on this Issue	3/83**
NRC acceptance of submittal in SSER #2	5/83**
Authorization of isolation valve logic changes	6/83**
Release of wiring drawings to field	1/84
Completion of isolation valve logic changes	1/85
Completion of testing for isolation valves	8/85

**Denotes activities completed per this schedule

II.F.1 Additional Accident Monitoring Instrumentation

Specific and detailed information supplied by the NRC via Eisenhut letter	9/80**
S&L engineering evaluation of CPS current design authorized	10/80**
Recommendations from evaluation due from S&L	8/82**
Procurement documentation issuance started	12/82**
Purchase Order issuance completed	12/83
Interface work released for construction	4/84
Equipment delivery completed	6/84
Installation completed	10/84
Testing completed	5/85

**Denotes activities completed per this schedule

II.F.2 Inadequate Core Cooling Instruments

BWR Owners Group/NRC agreement that generic evaluation should be developed	1/82**
BWR Owners Group generic evaluation authorized	2/82**
Generic report on water level measurement system completed	8/82**
Generic Report on inadequate cooling detection devices completed	12/82**
Generic SER's on generic reports issued by NRC	8/83
Plant specific evaluation of findings/ requirements from generic SER's completed	2/84 (est.)
Conclusions from plant specific evaluation implemented	UNKNOWN

**Denotes activities completed per this schedule

II.K.3(13) RCIC Automatic Restart on Low RPV Level

BWR generic evaluation authorized	7/80**
Generic report submitted to NRC on proposed change	10/80**
NRC concurrence on proposed generic modification	6/81 (informal)** 3/83 (formal)**
Modification proposal received by IP	7/82**
Proposal evaluated and work authorized	1/83**
Modification completed	2/84
Testing completed	9/84

**Denotes activities completed per this schedule

II.K.3(15) Modify Break Detection Logic on RCIC to Prevent Spurious Isolations

BWR generic evaluation authorized	7/80**
CPS proposed modification described in FSAR	9/81**
NRC concurrence on proposed modification	2/82**
Modification proposal received	7/82**
Proposal evaluated and work authorized	1/83**
Modification completed	2/84
Testing completed	9/84

**Denotes activities completed per this schedule

II.K.3.(16) Reduction of Challenges and Failures of Relief Valves - Feasibility Study and System Modification

BWR generic evaluation authorized	7/80**
Generic report submitted to NRC	3/81**
NRC concurrence on generic report	1/83(informal)** 4/83(formal)**
Logic design modification started	5/83**
Logic design modification completed	2/84
Testing completed	9/84

**Denotes activities completed per this schedule

II.K.3(18) Modification of ADS Logic to Eliminate Manual ADS Initiation

BWR generic evaluation authorized	7/80**
Initial generic report submitted to NRC on recommended modification	3/81**
Initial generic report withdrawn due to conflicts with Emergency Procedure Guidelines	2/82**
Revised generic report submitted to NRC on recommended modifications	10/82**
NRC concurrence on proposed generic modification	1/83(informal)** 4/83(formal)**
Logic modification started	5/83**
Modification completed	2/84
Testing completed	9/84

**Denotes activities completed per this schedule

III.A.1.I Upgrade Emergency Preparedness

Radio agreement with National Oceanic and Atmospheric Administration (NOAA) established	8/84
Clinton Power Station Emergency Plan completed	11/84
Emergency Plan Implementation Procedures completed	11/84
Siren installation and testing completed	1/85
Local emergency plans approved	7/85
Public information program completed	9/85
Onsite drills conducted	11/85
Actual emergency exercise conducted	12/85

III.A.1.2 Upgrade Emergency Support Facilities

Specific and detailed information supplied by the NRC	2/81
S & L design of Emergency Operations Facility (EOF) authorized	3/83**
ERF Design Report submitted to NRC	6/83**
Construction of EOF completed	11/84
Testing of EOF completed	11/84
Construction of Technical Support Center (TSC) completed	12/84
Testing of TSC completed	12/84
Installation of equipment in Backup Emergency Operation Facility (BEOF) completed	12/84
Emergency Response Facilities (ERFs) operational and training completed	12/85

**Denotes activities completed per this schedule

CONCLUSION

1. RESOLUTION OF TMI-ACTION PLAN REQUIREMENTS AND SAFETY EVALUATION REPORT ISSUES WELL UNDER WAY.

2. IMPLEMENTATION OF HARDWARE CHANGES WELL UNDER WAY AND NO PROJECT COMPLETION SCHEDULE IMPACT ANTICIPATED.

NO IMPACT ON PROJECT COMPLETION SCHEDULE ANTICIPATED.

10CFR50.55e SCHEDULE IMPACT

Of the remaining 10CFR50.55e deficiencies, the following could have major schedule impact:

1. 55-82-05 ZACK QA PROGRAM

   Reinspection of all installed Zack material (HVAC) is pending closure of this item. The request for a partial lift of SWOs 014, 015 and 020 for re-inspection only is indicative of Zack's recent efforts to develop an effective QA program.

2. 55-82-10 MINIMUM WALL THICKNESS VIOLATIONS

   Investigation is ongoing. It appears that repair and remedial work may be necessary for approximately 30 hangers.

3. 55-82-12 BINDING OF SWAY STRUT/SNUBBING PIPING COMPONENT SUPPORTS

   Investigation is ongoing. 6000 struts are involved and indications are that a 20 percent reject rate may be experienced.

4. 55-83-02 COUNTERBORE

   The testing program has commenced. A total of 320 joints are suspect and testing to date indicates a 15 percent reject rate.

10CFR50.55e SCHEDULE IMPACT

5. 55-83-07 PIPE SHOP WELDS BY SOUTHWEST FABRICATION

   Investigation is ongoing. The extent of subsequent rework is unknown.

6. 55-83-08 DAMAGE TO GUARD PIPE BELLOWS

   Provided the prototype of the installed, repaired Guard Pipe Bellows pass the vendor's test, this item should not have major schedule impact.

10CFR21 SCHEDULE IMPACT

Of the remaining 10CFR21 Defects/Noncompliances the following could have major schedule impact:

1. 21-80-02 DIVISIONAL SEPARATION IN POWER SUPPLY PANEL P011 TO NSPS

2. 21-81-05 NSPS LOAD DRIVEN CONNECTION PLUGS

3. 21-82-12 NSPS CIRCUIT CARDS FAILURE

Each of the above should be completed when the equipment is returned from GE in March 1984.

4. 21-82-11 SEEPAGE FROM OKONITE CABLE

   All affected non-class IE cable has been tested, and repairs/replacement are well underway. Approximately 50,000 LF of class IE cable (considered suspect) is undergoing tests. Results of these tests will be forwarded in September 1983.

5. 21-83-02 DESIGN OF BAND CLAMP ON CRD HOUSING

   Arrangements have been made to design and install the band clamp.

6. 21-83-05 WELDING DISCREPANCIES ON ELECTRICAL HANGERS FABRICATED BY BURNDY - HUSKY

   Once the contractor incorporates changes to the inspection procedure to include acceptance criteria, an inspection program will be initiated.

CONSTRUCTION FUNCTIONS:

- PROCUREMENT
- FABRICATION
- INSTALLATION

STARTUP FUNCTIONS:

- COMPONENT TESTS
- CALIBRATION OF INSTRUMENTATION
- PIPE FLUSHING
- HYDRO TESTS
- PREOPERATIONAL TESTS
- POWER ASCENSION TESTS

OPERATIONS FUNCTIONS:

- OPERATION
- MAINTENANCE
- SECURITY

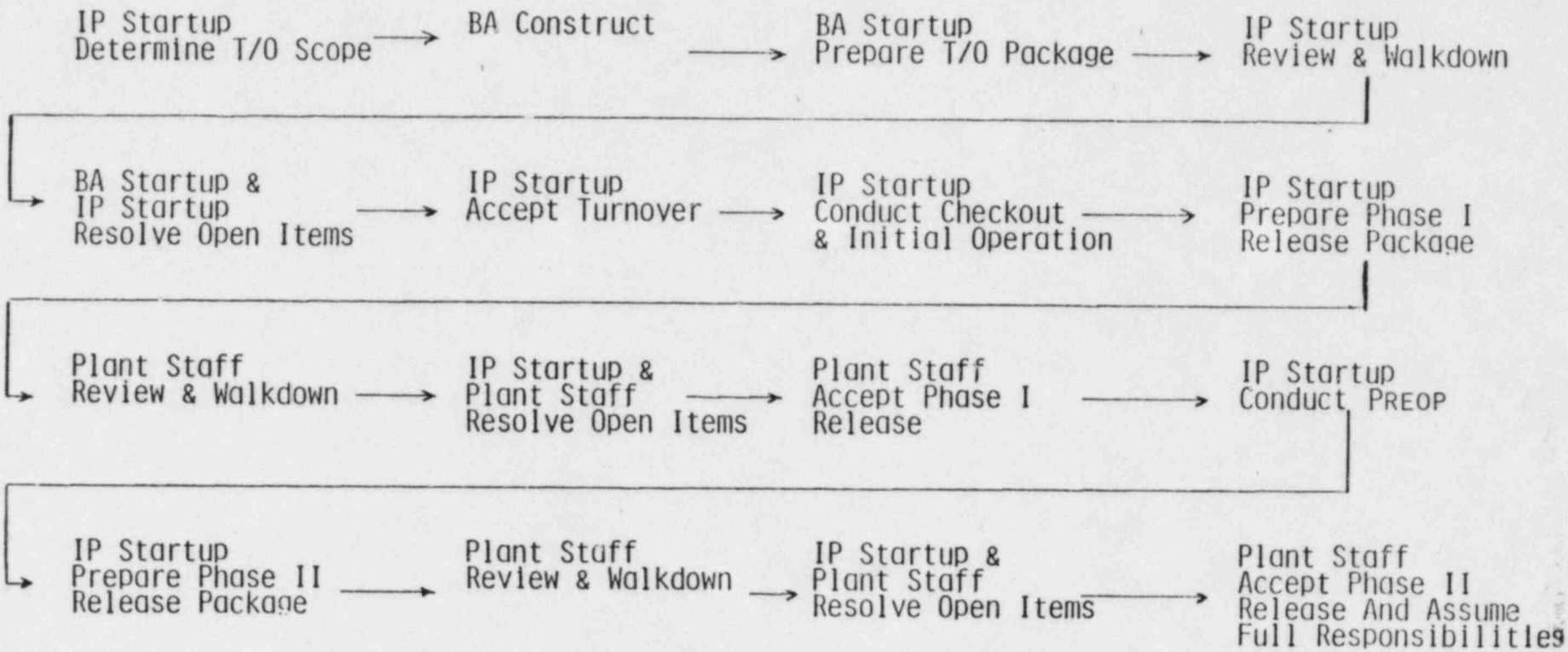
Clinton Nuclear Power Station

Startup Program Phases

PROGRAM PHASE	RESPONSIBILITIES	MAJOR ACTIVITIES
Construction	Baldwin Associates - Primary Illinois Power Co. Project Management Surveillance	1. Equipment Receipt Inspections 2. Structures, Components, Systems Erected 3. Cleanliness Control of Erected Systems 4. Mechanical and Electrical Checks to determine Equipment & Systems installed as designed. 5. Review & Approve Tests & Check Results 6. Equipment & System Turnover to Startup Staff
Checkout & Initial Operations	Startup Group - Primary Plant Staff - Secondary Baldwin Associates, General Electric, Consultants, Vendors as necessary for assistance	1. Initial Equipment Energization 2. Flushing and Cleaning 3. System Hydrostatic Tests 4. Initial Calibration of Instrumentation 5. Electrical Wiring and Equipment Tests 6. Valve and Mechanical Equipment Tests 7. Initial Equipment Operation 8. Equipment and System Maintenance 9. Review and Approve Test Results 10. Prepare Preoperational and Acceptance Test Procedures 11. System Release to Plant Staff
Preoperational	Startup Group/Plant Staff Primary General Electric, Baldwin Associates, Consultants, Vendors as necessary for assistance	1. Approve Prerequisites for Preoperational and Acceptance Testing 2. Perform Preop and Acceptance Tests 3. Operate Supporting Systems 4. Review and Approve Preoperational and Acceptance Test Results 5. System Release to Plant Staff
Startup Commercial Operation	Plant Staff - Primary Startup Group - Secondary General Electric, Baldwin Associates, Vendors, Consultants as necessary for assistance	1. Approve Readiness for Fuel Loading 2. Load Fuel 3. Perform Startup Tests from Initial Criticality to Full Power 4. Review & Approve Startup Test Results 5. Approve Readiness for Warranty Tests 6. Perform Warranty Tests 7. Review & Approve Warranty Test Results 8. Achieve Commercial Operation Status

SYSTEM TURNOVER AND RELEASE FLOWCHART

This Flowchart Shows The Processing Of A Turnover (T/O) Package From Initial Scoping To Final Acceptance By Plant Staff.



STOP WORK ORDER IMPACT

S.W.O. 007 (CABLE TRAY)

Prior to requesting a lift of SWO 007, 93,335 feet of cable tray was reinspected. The amount of rework estimated and scheduled is 36,598 LF cable tray, 1792 hangers and 639 aux. steel. The actual lift of SWO 007 was 5 weeks later than anticipated in the baseline schedule. The electrician work force will be increased by 200 in August, and closely monitored for productivity. Two shift operation will be initiated if considered necessary to recover the loss of 5 weeks in overall schedule.

S.W.O. 010 (REFUELING BELLOWS)

In conducting a reinspection of all welds associated with the refueling bellows, rework was required for approximately 20 LF of weld. This rework has been completed without any schedule impact.

S.W.O. 014, 015 AND 020 (HVAC)

Once the reinspection is conducted, necessary rework can be quantified. The amount of items to be reinspected include: 2104 hangers (1271 installed, 833 partially installed), 3813 pieces of ductwork, 435 pieces of equipment, and 15 seismic plennums.

S.W.O. 016 CONDUIT

The backlog of conduit to be inspected consisted of 466 conduit runs and associated hangers. The estimated rework scheduled totalled 71,097 LF conduit, 3168 hangers, 620 aux. steel, 692 boxes, and 731 box supports. Since SWO 016 was lifted 8 weeks later than anticipated, manpower allocations will be increased and schedules adjusted to recover this lost time (refer to SWO 007 regarding projected increase of electricians).

STOP WORK ORDER IMPACT

S.W.O. 017/018 ELECTRICAL EQUIPMENT

The rework associated with these SWO's consists of revising 400 travelers as well as a review of all referenced attachments. This review is preventing work from being accomplished on 111 cables and 364 terminations.

S.W.O. 019 STRUCTURAL STEEL

All deficiencies discovered during the reinspection have been corrected.

PROCUREMENT

The purpose of the SWO was to develop approved procedures to ensure proper classification of procurement documents. Since all requisitions in processing at the time of the stop work were recalled, no physical rework was necessary.

The resulting requisition backlog could potentially impact spare parts support of the system turnover schedule (see procurement status in Section 3).