

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/84-16(DPRP)

Docket No. 50-461

License No. CPPR-137

Licensee: Illinois Power Company
500 South 27th Street
Decatur, IL 62525

Facility Name: Clinton Power Station, Unit 1

Meeting At: Clinton Site, Clinton, IL

Meeting Conducted: May 31, 1984

Report Prepared By: H. H. Livermore
Senior Resident Inspector

Approved By: *J J Hanise for*
R. C. Knop, Chief
Projects Branch IC

6/12/84
Date

Meeting Summary

Meeting on May 31, 1984 (Report No. 50-461/84-16(DPRP))

Subjects Discussed: A meeting was held with corporate officers and staff of the Illinois Power Company at the Clinton Plant Site near Clinton, Illinois. The purpose of the meeting was to discuss the status of construction and key elements of the improvement program.

DETAILS

1. Meeting Attendees

Illinois Power Company (Principals)

W. G. Kelley, Chairman and President
W. C. Gerstner, Executive Vice President
D. P. Hall, Vice President, Quality Assurance, Engineering and
Operations
H. E. Daniels, Project Manager

U. S. Nuclear Regulatory Commission

J. G. Keppler, Regional Administrator
R. C. Knop, Chief, Projects Section 1C
R. F. Warnick, Chief, Projects Branch 1
H. H. Livermore, Senior Resident Inspector
W. F. Christianson, Senior Resident Inspector
J. N. Grace, Director, QA Safeguards and Inspection

2. Meeting Details

A meeting was held in the Service Building at the Clinton Site near Clinton, Illinois, on May 31, 1984, to discuss Illinois Power Company's status of construction and the nuclear power program.

Mr. D. P. Hall of Illinois Power Company made a presentation of the Nuclear Power Program (see the attachment to this report). Mr. Hall stated that the tasks and goals for completion of construction, licensing and commercial operation of the Clinton Station remain unchanged. Construction is behind schedule; however, steady progress has been maintained and activities are gradually approaching the actual schedule.

Changes occurred in the Illinois Power nuclear organization, the most notable being replacement of the Project Manager and addition of a Director for Nuclear Planning, Programming and Scheduling.

The meeting came to an end at approximately 3:30 p.m. and was part of a series of meetings used by Illinois Power Company to report the steps taken to improve the management, construction, and inspection activities at the Clinton Nuclear facility. There was no date set for a future meeting.

Attachment: As stated

ILLINOIS POWER
COMPANY

NUCLEAR POWER
PROGRAM

MAY 31, 1984

OUTLINE

1. INTRODUCTION
 - ° ORGANIZATION
2. PROJECT STATUS
 - ° COMMITMENTS
 - ° CURRENT
3. LICENSING
4. PLANT
 - ° PERSONNEL
 - ° PROCEDURES
5. ALLEGATIONS
6. OVERINSPECTION PROGRAM
7. RECORDS REVIEW PROGRAM
8. 10CFR50.55(E) ISSUES

G O A L S

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

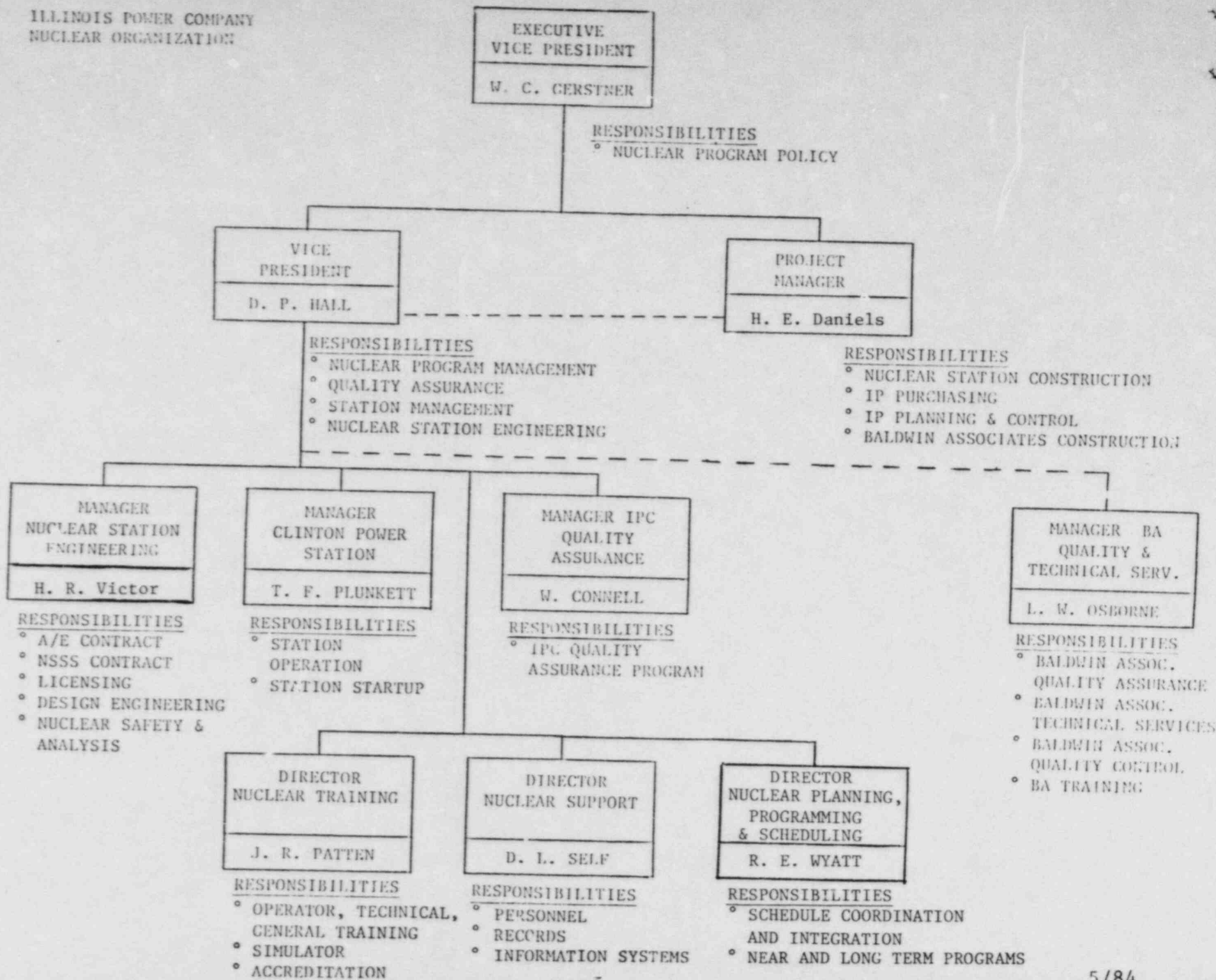
- COMPLETE THE NUCLEAR REGULATORY LICENSING PROCESS IN THE APPROPRIATE SEQUENCE WITH CONSTRUCTION COMPLETION.

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

OBJECTIVES

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

ILLINOIS POWER COMPANY
NUCLEAR ORGANIZATION

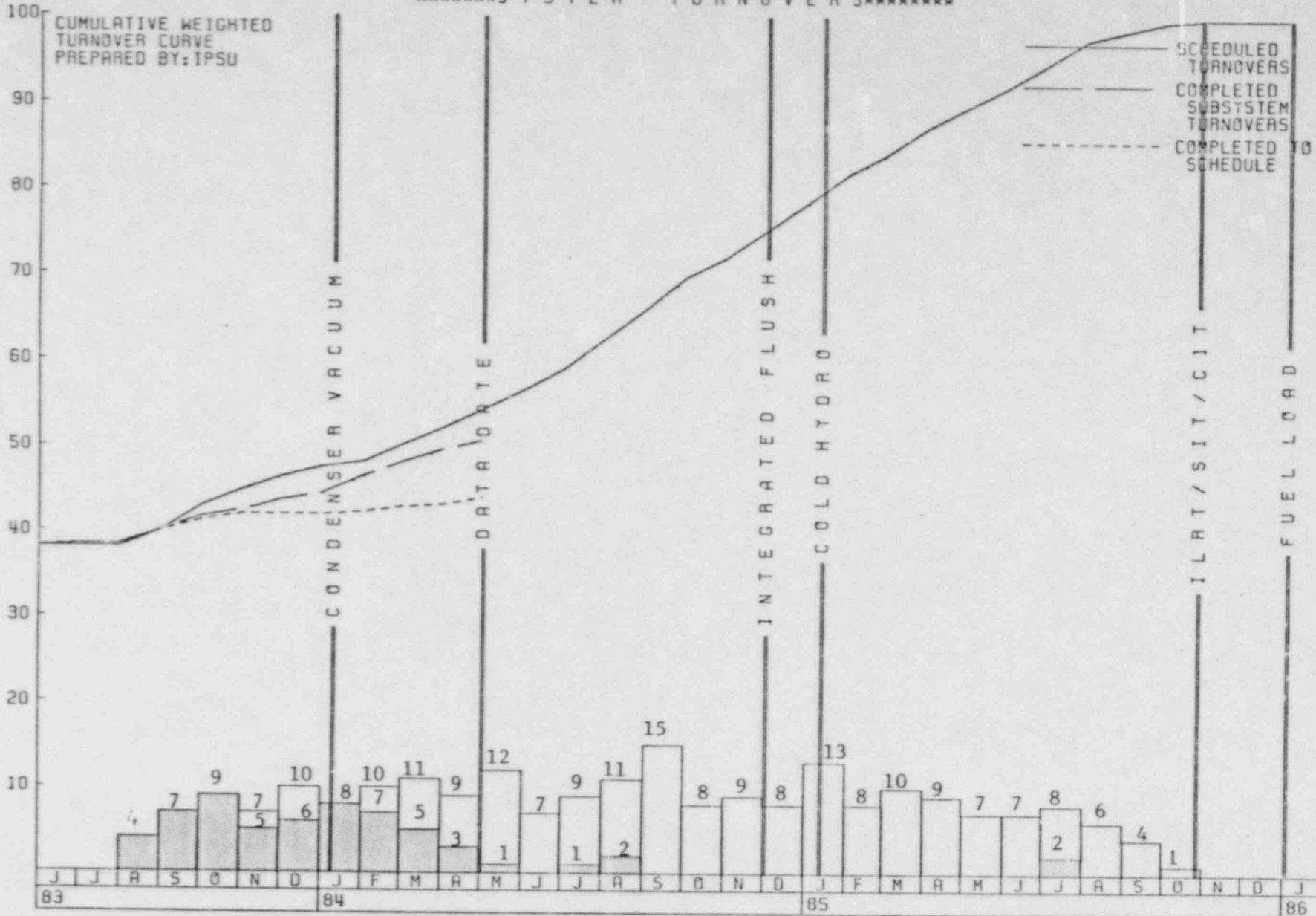


XXXXXXXXXX SYSTEM T U R N O V E R S XXXXXXXXXXXXX

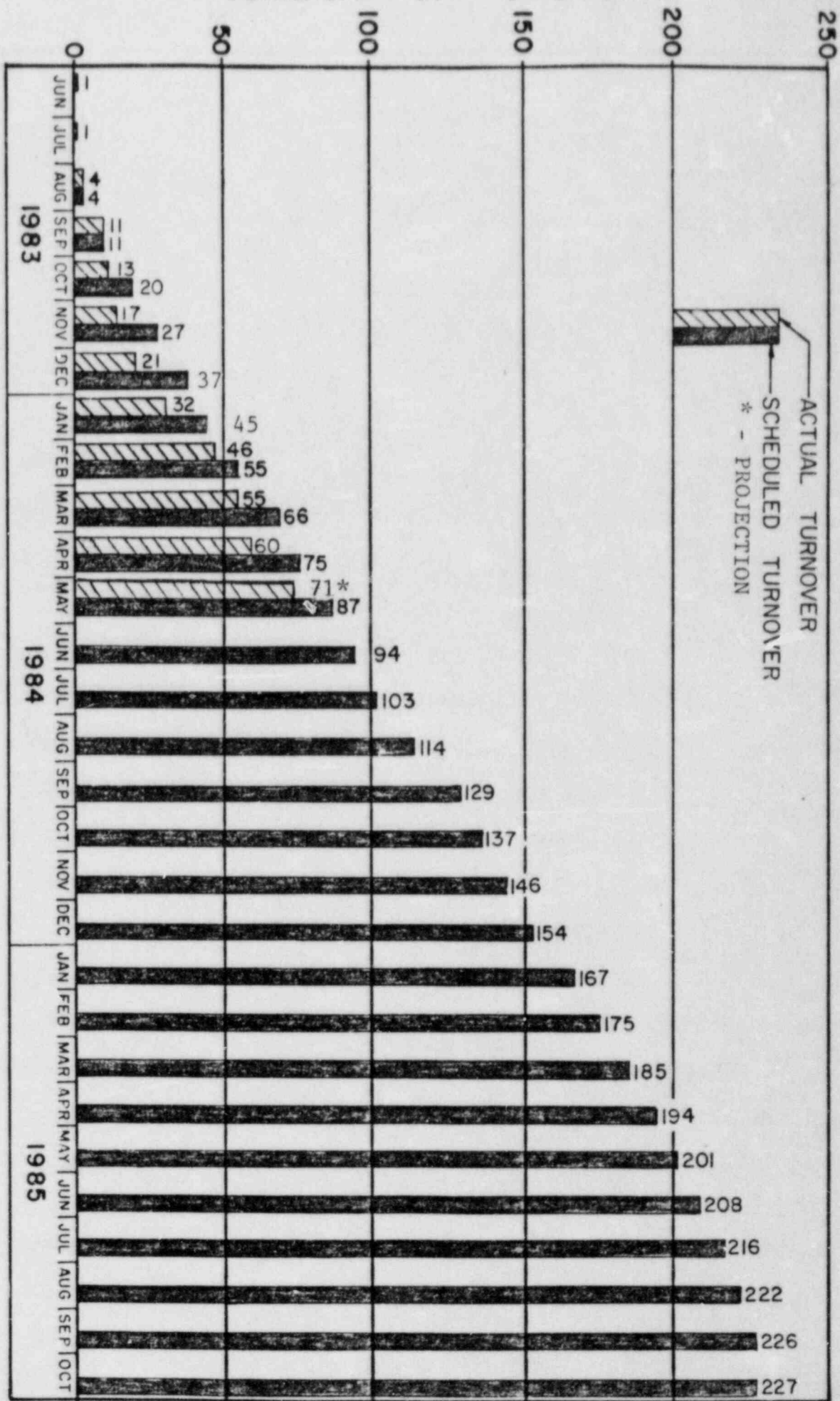
CUMULATIVE WEIGHTED
TURNOVER CURVE
PREPARED BY: IPSU

SCHEDULED
TURNOVERS
COMPLETED
SUBSYSTEM
TURNOVERS
COMPLETED
SCHEDULE

PERCENT TURNED OVER TO ILLINOIS POWER STARTUP



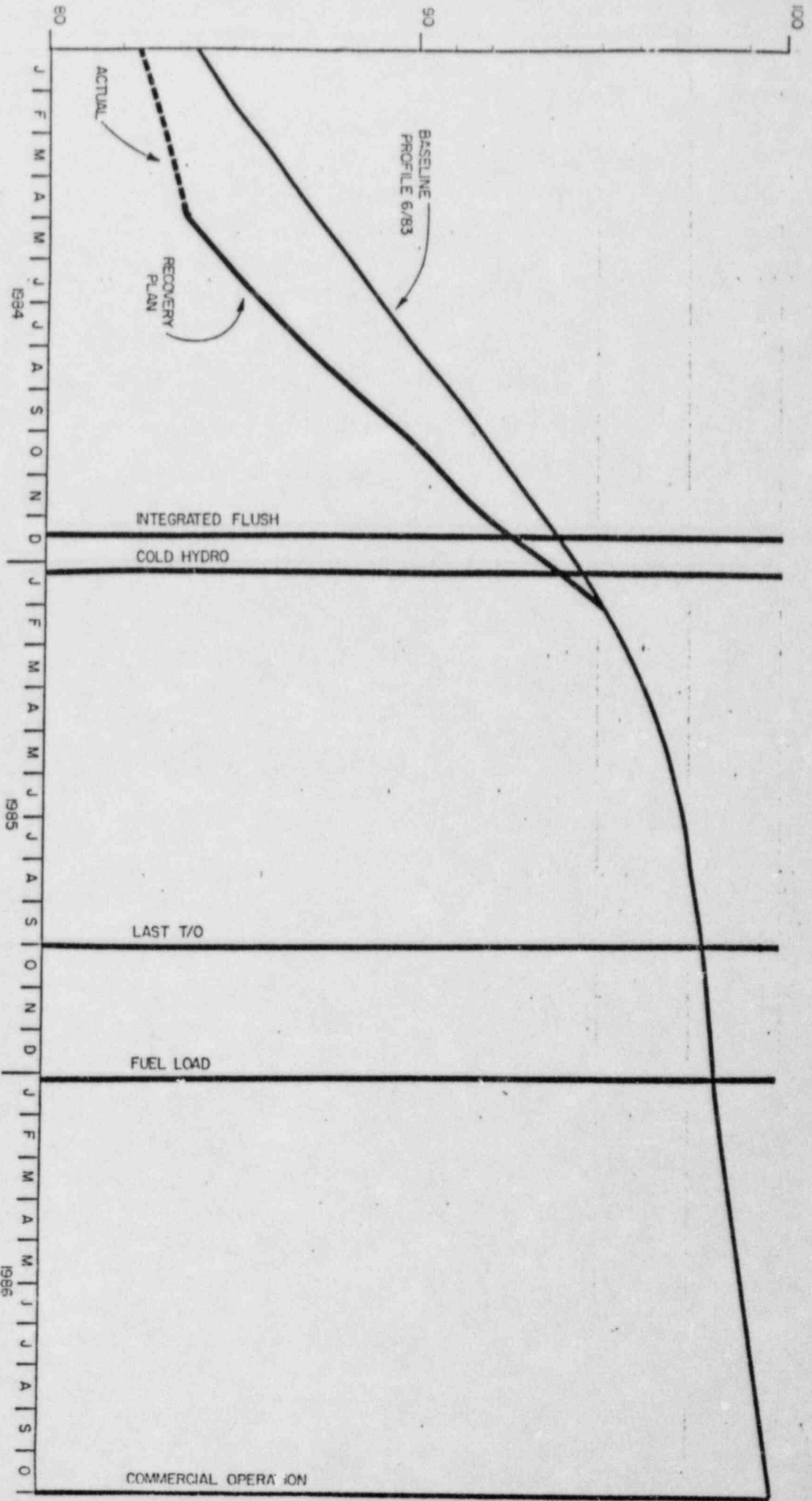
NUMBER OF SYSTEMS



SYSTEM TURNOVER (CUMULATIVE)

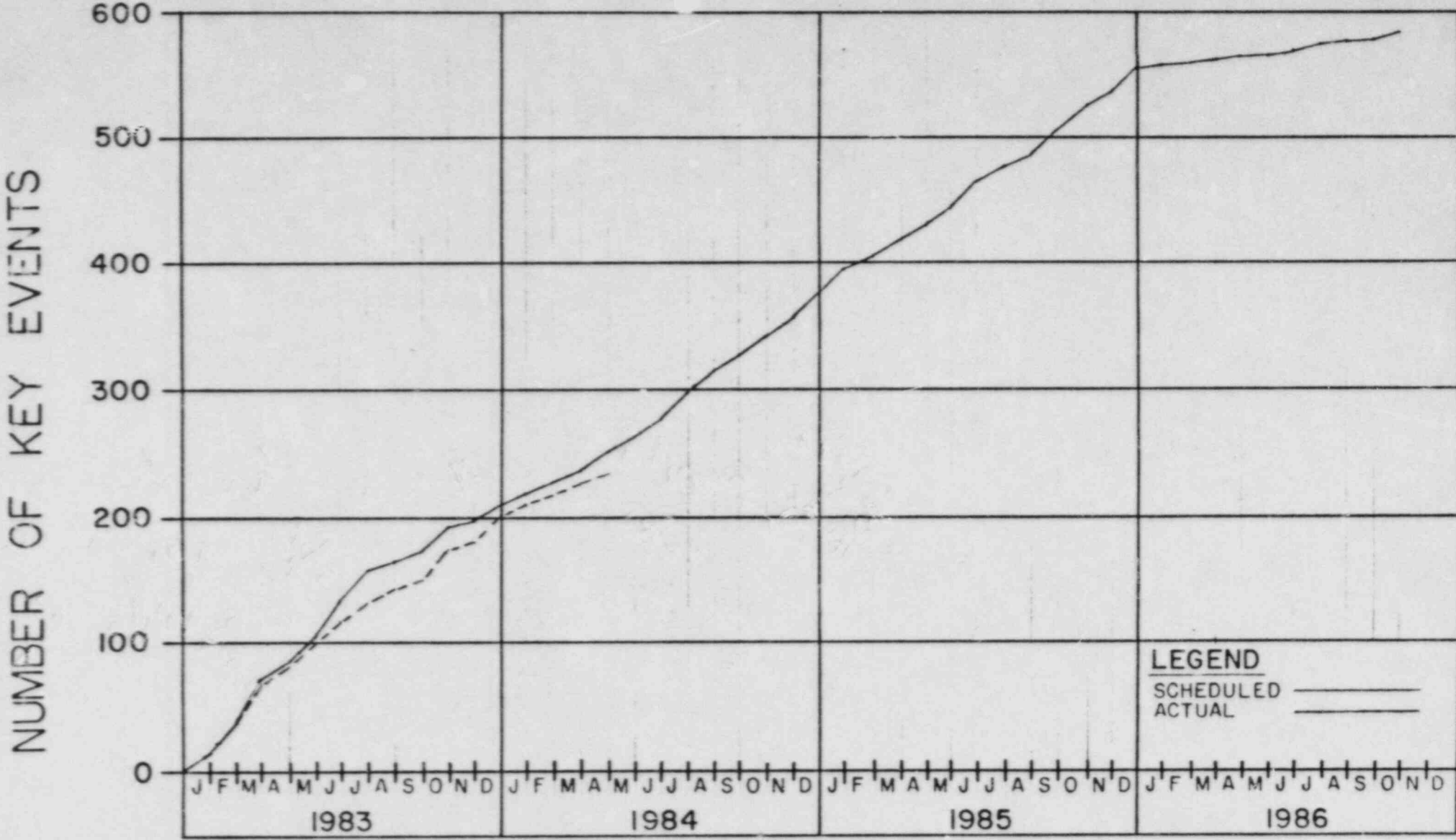
PERCENT COMPLETE PROFILE

STATUS AS OF MAY 1, 1984



DATE	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
JAN	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
FEB	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
MAR	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
APR	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
MAY	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
JUN	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
JUL	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
AUG	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
SEP	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
OCT	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
NOV	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12
DEC	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12

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



IPC NUCLEAR POWER PROGRAM KEY EVENTS

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 FUEL POOL COOLING AND CLEANUP SYSTEMS - OCTOBER 8, 1984.
4. COMPLETE CONSTRUCTION OF REACTOR RECIRCULATION AND REACTOR WATER CLEANUP - SYSTEMS - OCTOBER 23, 1984.
5. COMPLETE CONSTRUCTION OF REACTOR PLANT COMPONENT COOLING WATER SYSTEM - NOVEMBER 26, 1984.
6. START INTEGRATED FLUSH - DECEMBER 2, 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.

STATUS OF CLINTON POWER STATION
SAFETY EVALUATION REPORT
LICENSING CONCERNS

<u>DOCUMENT OR STATUS</u>	<u>OUTSTANDING ISSUES</u>	<u>CONFIRMATORY ISSUES</u>
SER	20	64
SSER #1	16	38
SSER #2	9	31
UNDER NRC REVIEW	3	17
ITEMS REQUIRING IP INTERFACE WITH NRC	3	6
ITEMS CLOSED SINCE ISSUE OF SSER #2	3	9
ITEMS ADDED SINCE SSER #2		1
SER ISSUED 2/82		
SSER #1 ISSUED 7/82		
SSER #2 ISSUED 5/83		

SER OUTSTANDING ISSUES
UNDER NRC REVIEW

- # 5 POSTULATED PIPING FAILURES - SUBMITTED 3/83
- # 15 CONTROL SYSTEMS FAILURES - SUBMITTED 12/82
- # 17 ORGANIZATION AND STAFFING - BEING REVIEWED BY SITE RESIDENT
INSPECTOR - SUBMITTED 3/84

SER OUTSTANDING ISSUES
REQUIRING IP INTERFACE

- #7 ENVIRONMENTAL, SEISMIC, AND PUMP & VALVE QUALIFICATION PROGRAM.
NRC AUDITS SCHEDULED FOR 8/84 (ENVIRONMENTAL), AND 7/85 (SEISMIC
AND PUMP AND VALVE).

- #9 POOL DYNAMIC LOADS.
RESPONSE PRESENTED TO NRC ON 4/18/84. 6 ADDITIONAL QUESTIONS
WERE POSED BY NRC. IP TO PROVIDE ANSWERS BY 6/30/84.

- #18 EMERGENCY PLAN.
PRESENTATION GIVEN TO NRC ON 4/03/84. IP TO SUBMIT EMERGENCY
PLAN REVISION TO NRC 8/84.

A S L B S T A T U S

I. PRAIRIE ALLIANCE CONTENTIONS

- EMERGENCY PLAN
- MANAGEMENT AND TECHNICAL COMPETENCE
- CONTROL ROOM DESIGN

CONTENTIONS IV (ECCS ADEQUACY) AND CONTENTION V (LOW LEVEL RADIATION) WERE WITHDRAWN BY PRAIRIE ALLIANCE - APPROVED BY THE BOARD.

II. DOCUMENT DISCOVERY

- STATE OF ILLINOIS (ATTORNEY GENERAL)
- APPROXIMATELY 31,500 PAGES OF DOCUMENTATION PRODUCED TO DATE WITH AN ESTIMATED 2,000 MORE TO BE PRODUCED.

III. START OF HEARINGS

- HEARING DATE TO BE SET AFTER FURTHER NEGOTIATIONS ON CONTENTIONS IS COMPLETED.

EMERGENCY PLANNING

ORGANIZATION

- ° CPS EMERGENCY PREPAREDNESS PROGRAM EXPANDED IN 1984
- ° EMERGENCY PREPAREDNESS STAFFED
- ° ILLINOIS EMERGENCY SERVICES AND DISASTER AGENCY

PLANS AND PROCEDURES

- ° CPS EMERGENCY PLAN, REVISION 3 IN PREPARATION
- ° EMERGENCY PLAN IMPLEMENTING PROCEDURES
- ° ONE EMERGENCY OPERATING PROCEDURE LEFT TO COMPLETE
- ° HEADQUARTERS NUCLEAR EMERGENCY RESPONSE PLAN
- ° EMERGENCY RESPONSE CAPABILITY IMPLEMENTATION PLAN DEVELOPED
- ° CONCEPTUAL DOCUMENT "NUCLEAR EMERGENCY RESPONSE MANUAL"

EMERGENCY PLANNING (CONT'D)

FACILITIES AND EQUIPMENT

- ° EMERGENCY OPERATIONS FACILITY
- ° EMERGENCY RESPONSE FACILITIES
- ° SAFETY PARAMETER DISPLAY SYSTEM
- ° PROMPT NOTIFICATION SYSTEM SIRENS
- ° POST ACCIDENT SAMPLING SYSTEM

PROGRAM ACTIVITIES

- ° EVACUATION TIME STUDY
- ° SOUND PRESSURE TESTING SIRENS
- ° INPO
- ° NRC REVIEW

NUCLEAR ORGANIZATION PERSONNEL STATUS MAY 24, 1984

	<u>AUTHORIZED (1984)</u>	<u>PRESENT</u>
VICE PRESIDENT STAFF	2	2
PLANT STAFF	375	309
QUALITY ASSURANCE	93	72
NUCLEAR STATION ENGINEERING	119	101
NUCLEAR SUPPORT	46	31
NUCLEAR TRAINING	26	20
NUCLEAR PLANNING, PROGRAMMING & SCHEDULING	1	2
STARTUP	99	71
PROJECT MANAGEMENT	125	118
ENGINEER TRAINEES	29	27
TEMPORARY POSITIONS	<u>59</u>	<u>53</u>
TOTAL	974	806
RICHLAND COMMUNITY COLLEGE AND TEMPORARY SUMMER HIRE	21	19

CONTRACTOR PERSONNEL

	<u>PRESENT</u>
STARTUP	118
NUCLEAR STATION ENGINEERING	59
QUALITY ASSURANCE	206
NUCLEAR SUPPORT	14
NUCLEAR TRAINING	3
NUCLEAR PLANNING, PROGRAMMING & SCHEDULING	<u>2</u>
TOTAL	402

CLINTON POWER STATION
 STARTUP STAFFING (MAY 24, 1984)

IP PERSONNEL

SUPERVISORY	8
STARTUP ENGINEERS	23
ADMINISTRATIVE	40
	—
SUBTOTAL	71

CPS PERSONNEL ON LOAN TO STARTUP

STARTUP ENGINEERS	10
ADMINISTRATIVE	1
	—
SUBTOTAL	11

CONTRACTOR PERSONNEL

TEST ENGINEERS	51
C&I TECHNICIANS	37
TECHNICAL SPECIALISTS	19
SCHEDULERS	11
	—
SUBTOTAL	118

TOTAL	200
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CLINTON POWER STATION
PERMANENT PLANT STAFFING (MAY 24, 1984)

	<u>AUTHORIZED (1984)</u>	<u>ACTUAL</u>
MANAGER'S STAFF	6	6
OPERATIONS	70	69
MAINTENANCE	116	100
TECHNICAL STAFF	33	19
STORES	12	12
RAD PROTECTION	44	23
CHEMISTRY	19	16
PLANT SERVICES	43	38
RAD WASTE	19	14
COMPLIANCE & CONFIGURATION	13	12
	<u>375</u>	<u>309</u>

EXPECTED STAFFING PEAK: 390

O P E R A T O R T R A I N I N G

<u>REQUIREMENTS</u>	<u>REQUIREMENTS</u>	<u>APPLICATION</u>
<u>ANS 3.1/1981</u>	<u>NRC</u>	<u>CLINTON</u>
FUNDAMENTALS	FUNDAMENTALS (SER)	5 - 15 WEEKS (CLASSROOM)
10 STARTUPS	10 STARTUPS (SER)	1 WEEK - UNIVERSITY OF OF ILLINOIS (10 STARTUPS)
PLANT SYSTEMS NSSS/BOP	PLANT SYSTEMS (SER) NSSS/BOP	9 WEEKS (CLASSROOM)
PLANT OBSERVATION	OBSERVATION (SER)	4 WEEKS - DRESDEN OR LASALLE
OPERATING PRACTICES		ON-THE-JOB TRAINING
CONTROL ROOM OPERATING EXPERIENCE (PREOP TESTING)		SHIFT WORK ESTABLISHED 1/1/81
SIMULATOR TRAINING	BWR OPERATOR TRAINING (SER)	12 WEEKS
PRACTICAL WORK ASSIGNMENTS		YES
PRE-LICENSE TRAINING & EXAMINATION		20 WEEKS
SUPERVISORY SKILLS (SRO)		1 WEEK
	MITIGATING CORE DAMAGE (SER)	80 HOURS

A D D I T I O N A L

S H I F T S U P E R V I S O R E X P E R I E N C E

INDUSTRY

ONE SRO ON EACH SHIFT
WITH AT LEAST 6
MONTHS HOT EXPERIENCE

MEET ANS-3.1/1981
NUCLEAR POWER PLANT
EXPERIENCE CRITERIA.
USE INDUSTRY WEIGHTING
FACTORS. THE
STANDARD REQUIRES
THAT SRO CANDIDATES
HAVE 2 YEARS OF
EXPERIENCE AND RO
CANDIDATES HAVE 1
YEAR OF EXPERIENCE.

OR

PROVIDE A QUALIFIED
ADVISOR UNTIL STAFF
MEETS SIX MONTH
REQUIREMENT

NRC

ONE SRO ON EACH SHIFT
WITH AT LEAST ONE
YEAR HOT EXPERIENCE

ALL SROs SHOULD HAVE
SUBSTANTIAL RO
EXPERIENCE

ELIMINATE THE USE OF
TECHNICAL ADVISORS

CLINTON

ONE SRO ON EACH SHIFT
WITH AT LEAST 6
MONTHS HOT (BWR)
EXPERIENCE

MEET ANS-3.1/1981
NUCLEAR POWER PLANT
EXPERIENCE CRITERIA.
USING INDUSTRY
WEIGHTING FACTORS.

COMMITTED TO HAVE AT
LEAST ONE BWR
EXPERIENCED
INDIVIDUAL ON SHIFT
FOR THE PERIOD OF
INITIAL OPERATION

DURING PRE-
OPERATIONAL TESTING,
BWR-EXPERIENCED
CONSULTANTS WILL
SERVE ON SHIFT WHILE
IP PERSONNEL GAIN
EXPERIENCE AT
OPERATING PLANTS.

THESE CONSULTANTS MAY
BE RETAINED DURING
PLANT OPERATION.

PROPOSED RULE STATES
THAT WITHIN 6 YEARS
THE RESPONSIBLE
PERSON ON EACH SHIFT
SHALL HOLD A B.S.
DEGREE (SECY-106)

BEGINNING AFTER
COMMERCIAL OPERATION
SHIFT SUPERVISORS
WILL COMPLETE THE
MEMPHIS STATE
UNIVERSITY B.S.
PROGRAM. BASED ON
THE BACKGROUND OF OUR
SUPERVISORS, THE
PROGRAM SHOULD BE
COMPLETED IN 1988.

S R O S I M U L A T O R C E R T I F I C A T I O N

48 PEOPLE PRESENTLY CERTIFIED

8 PEOPLE AT THE SIMULATOR NOW

8 PEOPLE WILL START SIMULATOR TRAINING
JULY, 1984

PREVIOUSLY LICENSED PERSONNEL

PLANT MANAGER	PWR	SRO
SUPV. PLANT OPERATIONS	BWR	SRO
ASST. SUPV. PLANT OPERATIONS	PWR	SRO
SHIFT SUPERVISOR	BWR	SRO
SHIFT SUPERVISOR	BWR	RO
SUPV. RADWASTE	BWR	SRO
RESULTS SUPERVISOR	BWR	SRO
TRAINING INSTRUCTOR	BWR	RO
TRAINING INSTRUCTOR	BWR	RO

COMPARISON OF EXPERIENCE
USING INDUSTRY WEIGHING
FACTORS

	COMMERCIAL LICENSED EXPERIENCE (MONTHS)	NUCLEAR NAVY (MONTHS)	CLASSROOM TRAINING (MONTHS)	SIMULATOR (MONTHS)	PARTICIPATION AT A COMMERCIAL PLANT (MONTHS)	PARTICIPATION ON SITE DURING TESTING (MONTHS)	OTHER (MONTHS)	TOTAL (MONTHS)
CPS SHIFT SUPERVISORS	6.5	21.5	2	6	6	19	14.75	75.75
CPS ASST. SHIFT SUPERVISORS	0	25.2	2	6	4	17.8	10.3	65.3
CPS CONTROL ROOM OPERATORS	0	22.8	2	6	0	17.7	5.2	53.7

TRAINED FOSSIL OPERATOR	0	0	2	6	0	4.5	0	12.5
NAVY TRAINED NUCLEAR OPERATORS	0	22.8	2	6	0	4.5	0	35.3
AVERAGE WPPS #2 OPERATOR	22.5	18	2	6	0	15.5	10	74

C P S S H I F T C O M P O S I T I O N

CLINTON POWER STATION
NORMAL SHIFT

1 SHIFT SUPERVISOR (SRO)
2 ASSISTANT SHIFT SUPERVISORS (SRO)
3 CONTROL ROOM OPERATORS (RO)
2 NON-LICENSED OPERATORS
1 STA

TECHNICAL SPECIFICATION
MINIMUM

1 SHIFT SUPERVISOR
1 ASSISTANT SHIFT SUPERVISOR
2 CONTROL ROOM OPERATORS
2 NON-LICENSED OPERATORS
1 STA

C P S S H I F T M A N N I N G L E V E L S

	<u>PROJECTED</u>	<u>PRESENT</u>
SHIFT SUPERVISORS	6	5
ASSISTANT SHIFT SUPERVISOR	12	11
CONTROL ROOM OPERATORS	20	15
UNIT ATTENDANTS	13	9
AUXILIARY OPERATORS	9	18
STA	22	0

PLANT STAFF PROCEDURES

	<u>PROCEDURES IDENTIFIED</u>	<u>PROCEDURES APPROVED</u>	<u>PROCEDURES IN REVIEW</u>	<u>PROCEDURES IN DRAFT</u>	<u>PROCEDURES NOT STARTED</u>
MAINTENANCE	571	517	17	37	0
OPERATIONS	347	326	14	7	0
RADWASTE/CHEMISTRY	209	186	21	1	1
RADIATION PROTECTION	145	120	14	3	8
TECHNICAL	75	60	14	0	1
OTHERS	119	105	8	6	0
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TOTAL	1466	1314	88	54	10

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

	APPROVED	IN REVIEW	BEING WRITTEN	NOT STARTED	TOTAL
ATP	36	6	1	6	49
FTP	87	1	1	1	90
GTP	67	1	1	2	71
HTP	146	14	3	8	171
PTP	57	16	2	11	86
STP	18	5	1	12	36
VTP	4	0	0	0	4
XTP	77	11	2	24	114
TOTAL	492	54	11	64	621

ATP - ACCEPTANCE TEST PROCEDURE
 FTP - FLUSH TEST PROCEDURE
 GTP - GENERIC TEST PROCEDURE
 HTP - HYDROSTATIC TEST PROCEDURE
 PTP - PREOPERATIONAL TEST PROCEDURE
 STP - STARTUP TEST PROCEDURE
 VTP - VENDOR TEST PROCEDURE
 XTP - SPECIAL TEST PROCEDURE

A L L E G A T I O N S

- ° MANAGEMENT EFFORTS
- ° ACTIVE EMPLOYEE TRAINING
- ° EMPLOYEE FEEDBACK PROGRAMS

Q U A L I T Y R E P O R T (2/82)

- REPORT FORMS AND DROP BOXES IN WORK AREAS
- SYSTEM MANAGED BY EXECUTIVE VICE PRESIDENT
- FEEDBACK TO EMPLOYEE PROVIDED ON BULLETIN BOARDS OR IN A PERSONAL RESPONSE

H O T L I N E (11/83)

- ON-SITE TELEPHONE EXTENSION
- SYSTEM MANAGED BY VICE PRESIDENT AND MAINTAINED BY IPQA ORGANIZATION
- FEEDBACK TO EMPLOYEE PROVIDED ON BULLETIN BOARDS OR IN PERSONAL RESPONSE
- OVERALL NUMBER OF CALLS IS DECREASING, BUT NUMBER OF QUALITY-RELATED CALLS IS INCREASING

S A F E T E A M P R O G R A M (6/84)

- TO BEGIN AT CPS IN JUNE, 1984
- UTILIZES EXIT INTERVIEWS AND SCHEDULED INTERVIEWS TO OBTAIN QUALITY CONCERNS
- SYSTEM TO BE MANAGED BY AN IP SENIOR VICE PRESIDENT INDEPENDENT OF CPS RESPONSIBILITIES

ILLINOIS POWER COMPANY

OVERINSPECTION PROGRAM

OVERINSPECTION PROGRAM

OBJECTIVES:

1. PROVE THAT THE STRUCTURES, SYSTEMS, AND COMPONENTS AT CLINTON POWER STATION ARE PROPERLY INSTALLED TO ASSURE SAFETY OF OPERATIONS.

SCOPE:

1. OVERINSPECTION PROGRAM INCLUDES SAMPLE OVERINSPECTION OF COMPLETED BALDWIN ASSOCIATES WORK BY:
 - BALDWIN ASSOCIATES FIELD VERIFICATION GROUP
 - ILLINOIS POWER OVERINSPECTION GROUP
2. OVERINSPECTION PROGRAM ADDRESSES INSTALLATIONS ASSOCIATED WITH SAFETY RELATED, AUGMENTED D, RADWASTE, AND FIRE PROTECTION SYSTEMS.

OVERINSPECTION PROGRAM

STAFFING:

BALDWIN ASSOCIATES FIELD VERIFICATION

SUPERVISORY	-	13
ADMIN/SUPPORT	-	13
INSPECTORS	-	<u>108</u>

TOTAL: 134 EXPECTED STAFFING PEAK: 263

ILLINOIS POWER OVERINSPECTION

SUPERVISORY	-	9
ADMIN/SUPPORT	-	9
INSPECTORS	-	<u>45</u>

TOTAL: 63 EXPECTED STAFFING PEAK: 132

OVERINSPECTION PROGRAM

STATUS:

TURNOVER PACKAGES:

- ° 13 OF 165 TURNOVER PACKAGES (TOPs) HAVE BEEN COMPLETED BY BA FV AND IP OI
- ° 39 TOPs PRESENTLY BEING INSPECTED BY BA FV
9 OF THE TOPs ARE UNDER IP CONTROL (OLD WORK)
30 OF THE TOPs HAVE NOT BEEN TURNED OVER TO IP (NEW WORK)
- ° 36 TOPs PRESENTLY BEING INSPECTED BY IP OI
10 OF THE TOPs ARE UNDER IP CONTROL (OLD WORK)
26 OF THE TOPs HAVE NOT BEEN TURNED OVER TO IP (NEW WORK)

STRUCTURAL STEEL:

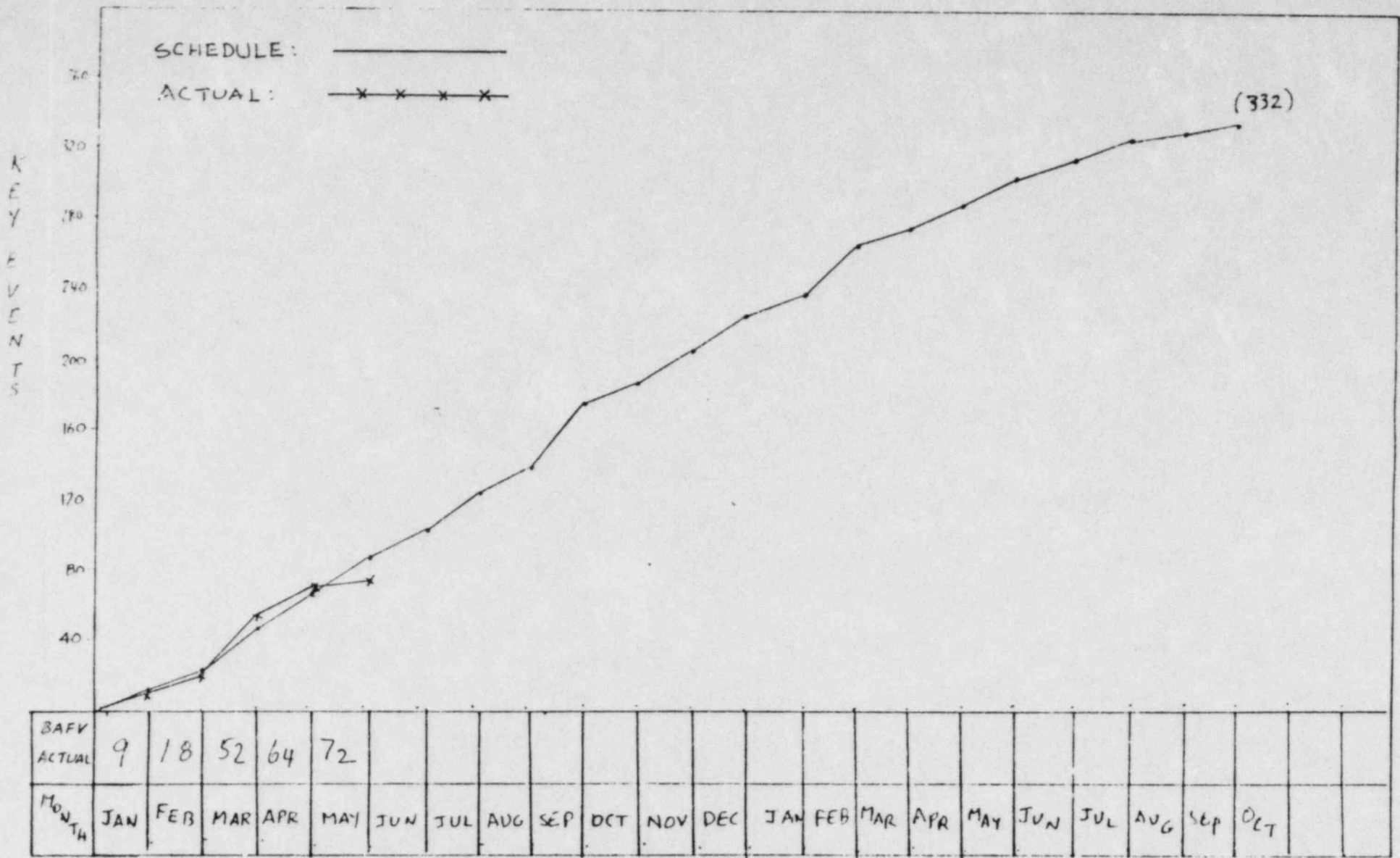
- ° 796 OF APPROXIMATELY 3,000 STRUCTURAL STEEL INSTALLATIONS HAVE BEEN INSPECTED BY BA FV.
- ° 439 OF APPROXIMATELY 3,000 STRUCTURAL STEEL INSTALLATIONS HAVE BEEN INSPECTED BY IP OI.

SUPPRESSION POOL

- ° BA FV AND IP OI COMPLETED TO SUPPORT SUPPRESSION POOL FILL.

1'

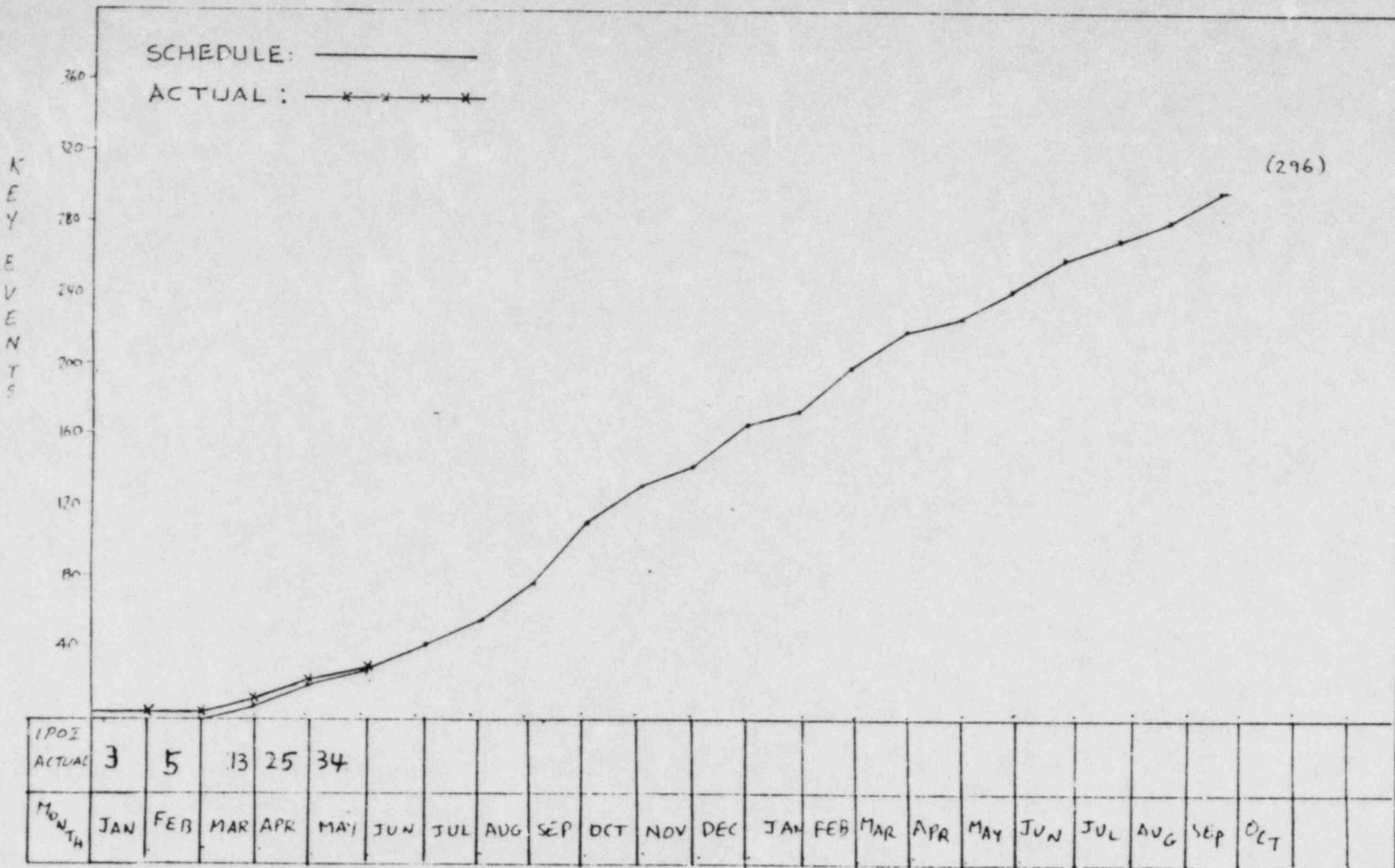
FV/01 INTEGRATED SCHEDULE KEY EVENT PROGRESS BAFV



1984 ← → 1985

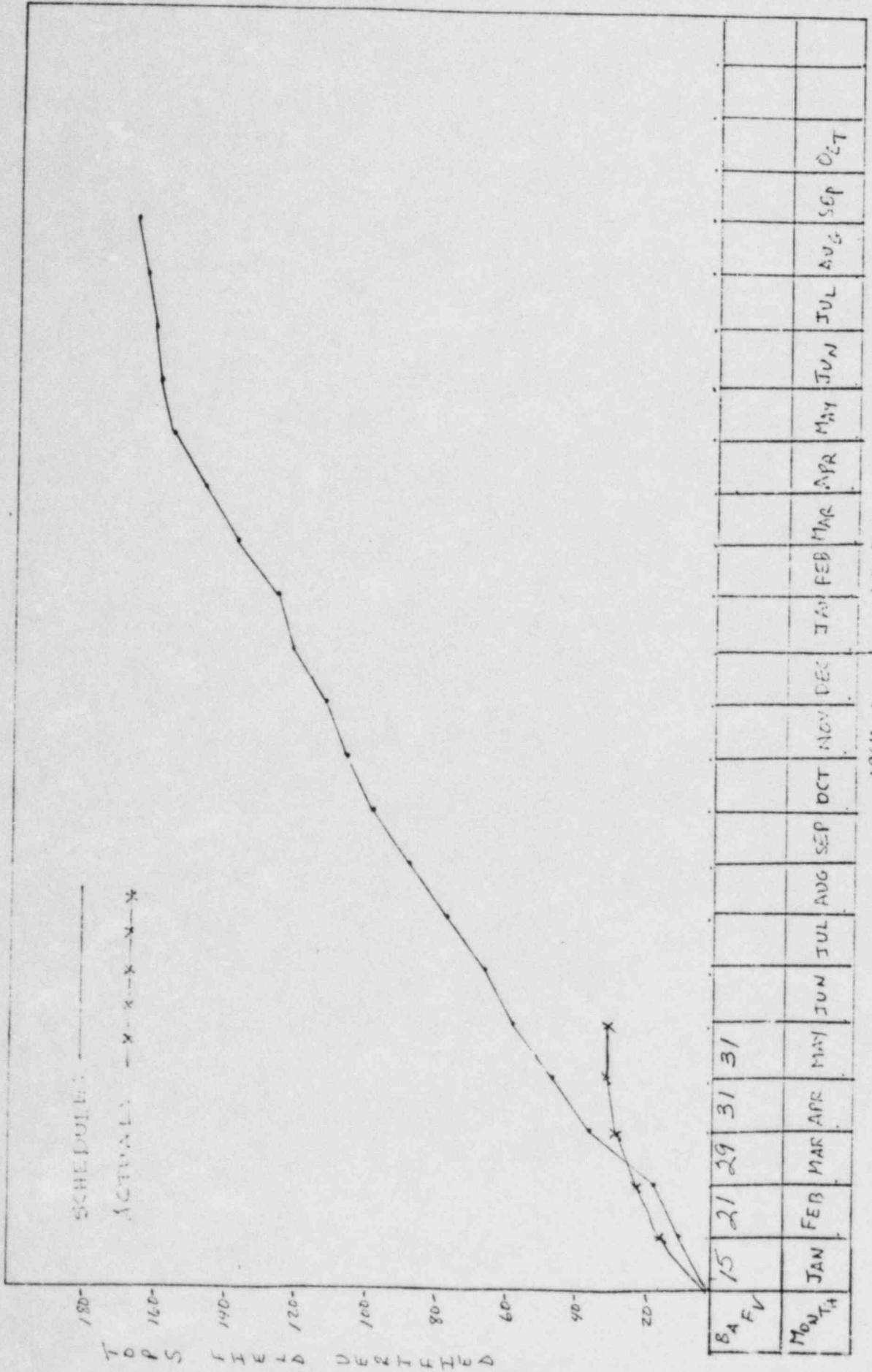
FV/OI INTEGRATED SCHEDULE KEY EVENT PROGRESS

IPOI



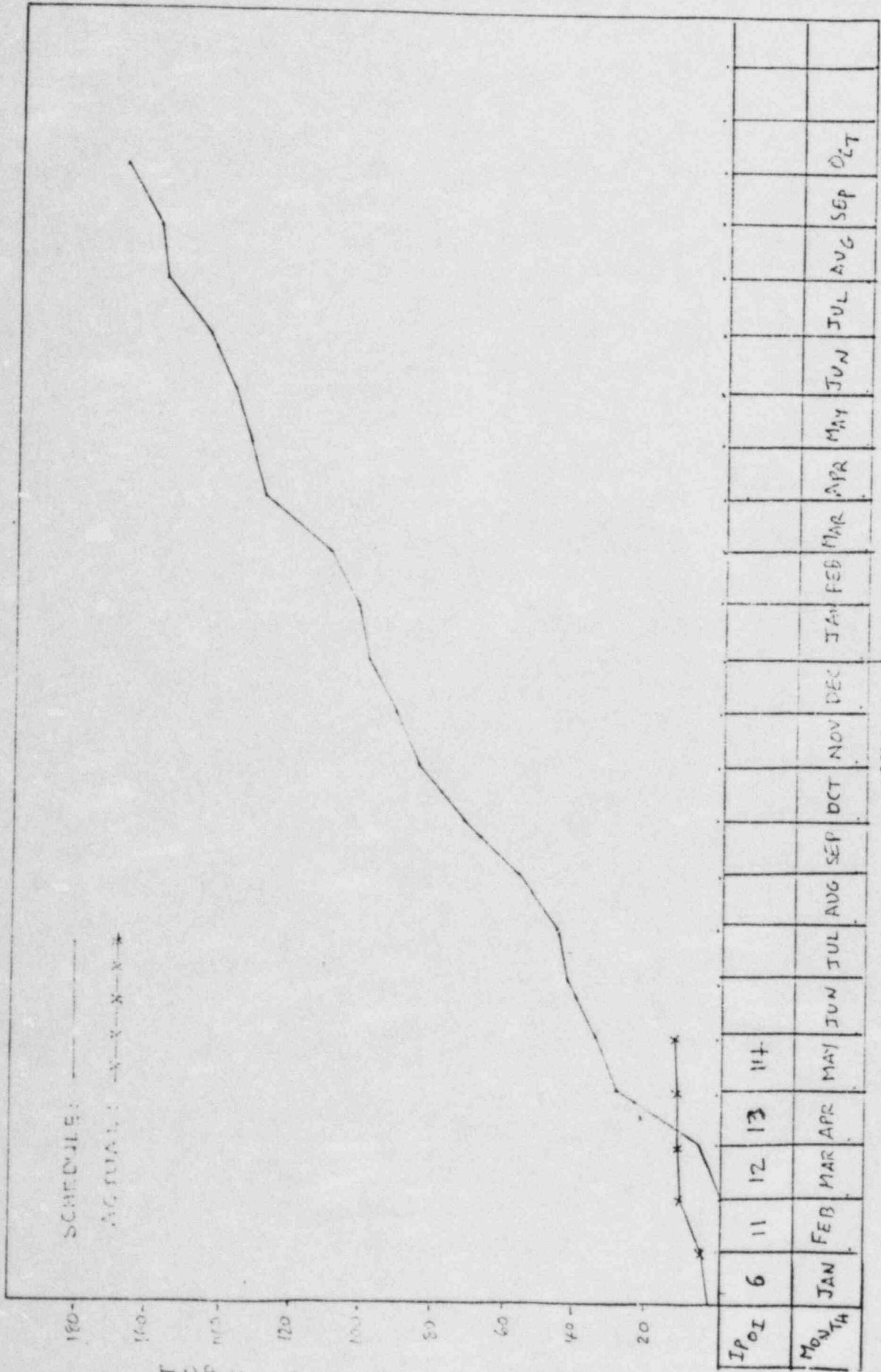
1984 ← → 1985

BAFV TOP'S PROGRESS REPORT.



1985

IPOI TOPS PROGRESS REPORT



T O P S O V E R V I E W S E L E C T E D

OVERINSPECTION PROGRAM

RESULTS:

BA FIELD VERIFICATION

- ° 94.5% OF TOTAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.
- ° 98% OF NON-CRITICAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.
- ° 93% OF CRITICAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.

IP OVERINSPECTION

- ° 98.5% OF TOTAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.
- ° 99% OF NON-CRITICAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.
- ° 97.5% OF CRITICAL ATTRIBUTES INSPECTED HAVE BEEN ACCEPTABLE.

OVERINSPECTION PROGRAM

DEFICIENCIES IDENTIFIED

- ° 3,070 NONCONFORMANCE REPORTS INITIATED AS A RESULT OF FIELD VERIFICATION AND OVERINSPECTION
- ° APPROXIMATELY 88% OF DEFICIENCIES IDENTIFIED RELATE TO WELDING AND STRUCTURAL STEEL
- ° WELDING DEFICIENCIES CAN BE CATEGORIZED AS FOLLOWS:

BA FIELD VERIFICATION

AUG D/FIRE PROTECTION PIPING WELDS (ANSI B31.1)	=	2.0%
PRESSURE BOUNDARY ASME PIPE WELDS AND NF SUPPORTS (ASME)	=	7.5%
MECH/ELEC SUPPORTS, EQUIPMENT WELDS AND STRUCTURAL WELDS (AWS D1.1)	=	90.5%

IP OVERINSPECTION

AUG D/FIRE PROTECTION PIPING WELDS (ANSI B31.1)	=	0.0%
PRESSURE BOUNDARY ASME PIPE WELDS AND NF SUPPORTS (ASME)	=	3.4%*
MECH/ELEC SUPPORTS, EQUIPMENT WELDS AND STRUCTURAL WELDS (AWS D1.1)	=	96.6%

*ZERO (0) ASME PIPE WELDS HAVE BEEN REJECTED

OVERINSPECTION PROGRAM

° WELDING DEFICIENCY TYPES

- ARC STRIKES, WRONG SIZE PROFILE, INCOMPLETE FUSION, WELD LENGTH

° STRUCTURAL STEEL DEFICIENCY TYPES

- NOT INSTALLED PER DESIGN (CLIP ANGLE SIZE, COPE CUTS, ETC)
- BOLTS NOT PER DESIGN (MISSING WASHERS, IMPROPER ASSEMBLY, TORQUING)
- TRACEABILITY (NUT IDENTIFICATION)
- PHYSICAL DAMAGE

° RESOLUTIONS

WELDING DEFICIENCIES

- ° S&L HAS ISSUED ENGINEERING CHANGE NOTICES THAT PROVIDE BETTER DEFINED ACCEPT/REJECT CRITERIA FOR WELDS /

STRUCTURAL STEEL DEFICIENCIES

- ° S&L HAS PROVIDED ADDITIONAL TOLERANCES FOR DIMENSIONS FOR ATTACHMENTS TO STRUCTURAL STEEL.
- ° SATISFACTORY COMPLETION OF STRUCTURAL FASTENER SAMPLING HAS DELETED THE NECESSITY FOR VERIFYING TYPE A-325 NUT MATERIAL

OVERINSPECTION PROGRAM

CONCLUSIONS:

- ° FIELD VERIFICATION AND OVERINSPECTION RESULTS INDICATE MECHANICAL AND ELECTRICAL SYSTEMS ARE IN COMPLIANCE WITH DESIGN.
- ° FIELD VERIFICATION AND OVERINSPECTION RESULTS INDICATE SEVERAL QUESTIONS RELATING TO STRUCTURAL STEEL MUST BE RESOLVED.
 - REVIEW OF CHECKLIST CRITERIA BY DESIGNER
 - SPECIFIC PROBLEM RESOLUTION
 - MOST PROBLEMS ARE WITH VENDOR WORK

PROBLEM AREAS:

- DEFINITION OF SCOPE FOR AREA TURNOVER
- RATE OF FIELD VERIFICATION AND OVERINSPECTION DEPENDENT ON CONSTRUCTION RATE

OVERINSPECTION PROGRAM

PROGRAM CHANGES

- SAMPLE EVALUATION BY ATTRIBUTE
- CREDIT FOR 100% INSPECTION BY A SINGLE GROUP
- CREDIT FOR OTHER INSPECTION ACTIVITIES
 - RACEWAY REVERIFICATION
 - FIRE PROTECTION VS 10CFR50 APP R REVIEW
 - STOP WORK INSPECTIONS
 - 10CFR50.55(e) INSPECTIONS
- STAFFING CHANGES
- ACCELERATE HVAC INSPECTIONS BY INSPECTING DUCT WELDS AT FABRICATION AREA
- EXAMINATION OF NEED TO INSPECT NEW WORK

ILLINOIS POWER COMPANY

RECORD VERIFICATION PROGRAM

RECORD VERIFICATION PROGRAM

OBJECTIVES:

- THE OBJECTIVES OF THIS ILLINOIS POWER COMPANY PROGRAM IS TO VERIFY THE ACCEPTABILITY OF QA RECORDS APPLICABLE TO CLINTON POWER STATION

SCOPE:

1. RECORD VERIFICATION INCLUDES REVIEWS OF QA RECORDS FOR ACCEPTABILITY BY THE BALDWIN ASSOCIATES DOCUMENT REVIEW AND ILLINOIS POWER RECORDS REVIEW GROUPS
2. RECORDS VERIFICATION INCLUDES REVIEWS OF ALL SAFETY-RELATED, FIRE PROTECTION, AND AUGMENTED D SYSTEM QA RECORDS

APPROACH:

1. BALDWIN ASSOCIATES DOCUMENT REVIEW GROUP PERFORMS 100% REVIEW OF QA RECORDS WHICH IS CONDUCTED IN TWO PHASES.
2. ILLINOIS POWER PERFORMS APPROXIMATELY 20% REVIEW OF QA RECORDS PROVIDED BY BALDWIN ASSOCIATES AFTER DOCUMENT REVIEW

RECORD VERIFICATION PROGRAM

STAFFING:

BALDWIN ASSOCIATES DOCUMENT REVIEW GROUP - 135

EXPECTED PEAK - 260

ILLINOIS POWER RECORD REVIEW GROUP - 15

EXPECTED PEAK - 55

BA RECORD VERIFICATION PROGRAM - PROGRESS/RESULTS

As of May 25, 1984

TO REVIEW - 120,000
 REVIEWED - 17,628
 DEL ITEMS - 83,397
 NCRs - 178

GOAL 120,000

RECORD PACKAGES REVIEWED

140,000
120,000
100,000
80,000
60,000
40,000
20,000
0

——— RECORDS REVIEWED
 - - - - REVIEWED & RESOLVED

(17,628)

(10,994)

JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG

1983

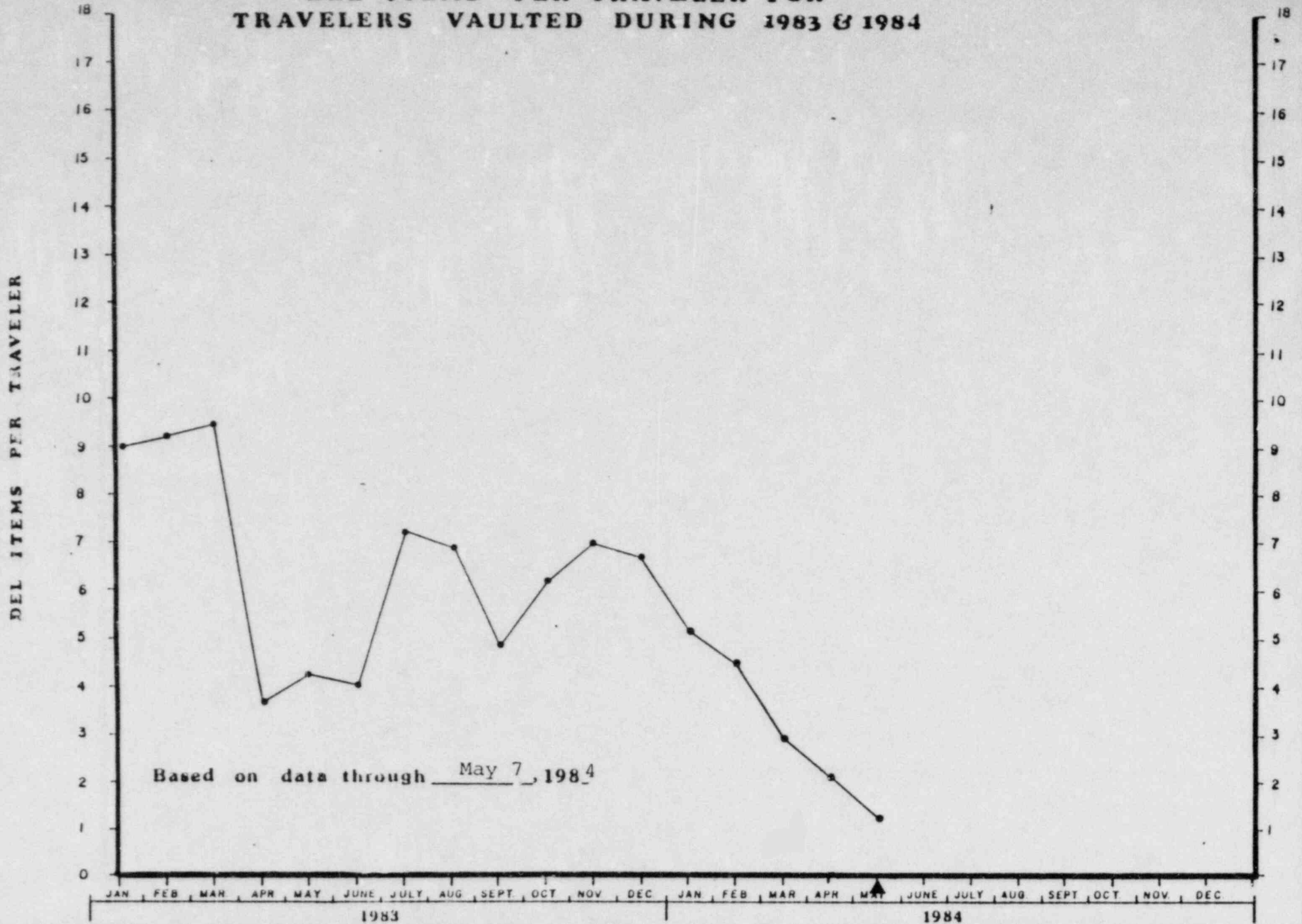
1984

1985

44

5/84

**DEL ITEMS PER TRAVELER FOR
TRAVELERS VAULTED DURING 1983 & 1984**



IP RECORD REVIEW GROUP - PROGRESS/RESULTS

(20% SURVEILLANCE OF BA DRG)

TO REVIEW - 21,850

REVIEWED - 2,150

TOTAL 24,000

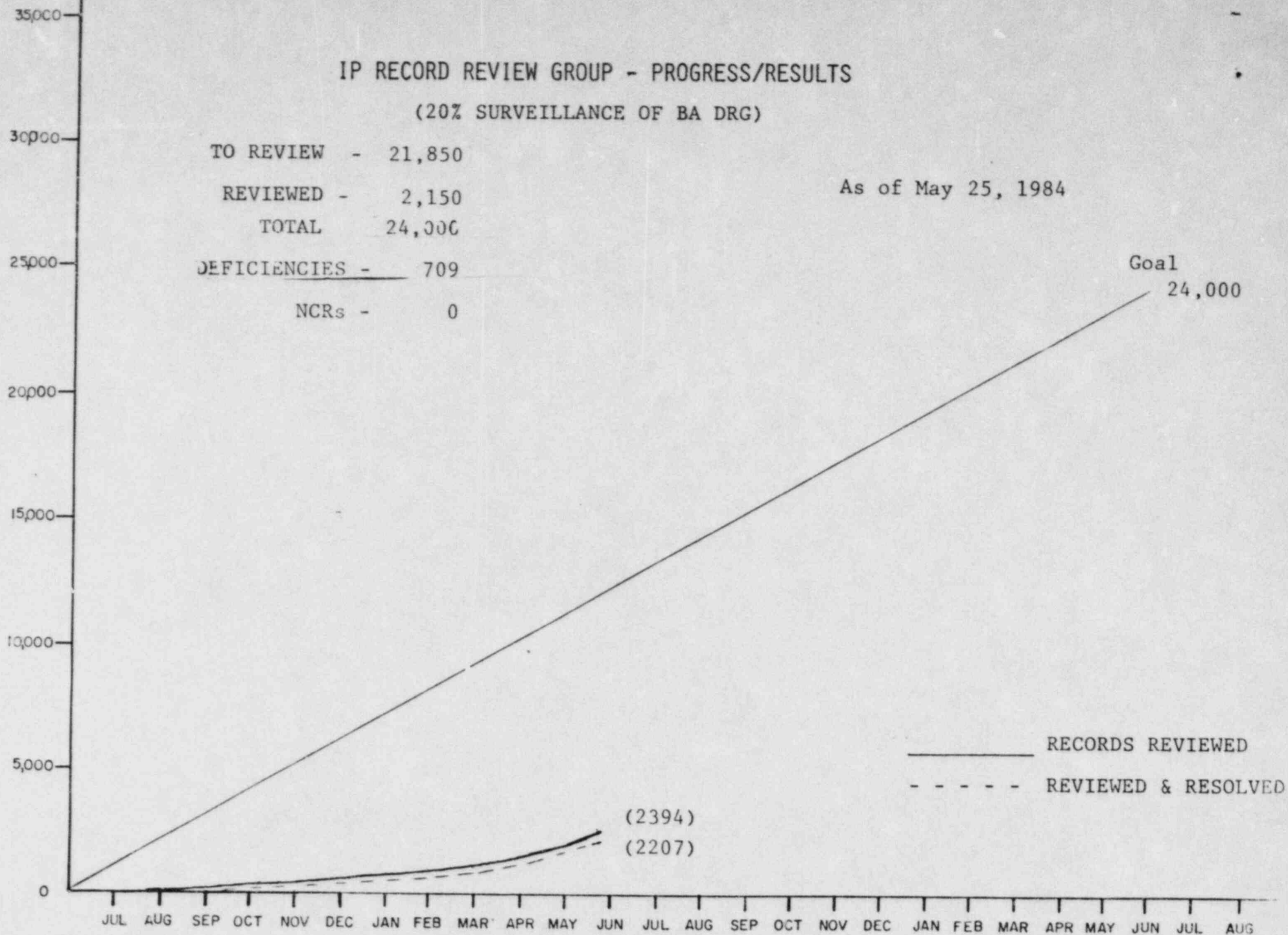
DEFICIENCIES - 709

NCRs - 0

As of May 25, 1984

Goal
24,000

RECORD PACKAGES REVIEWED



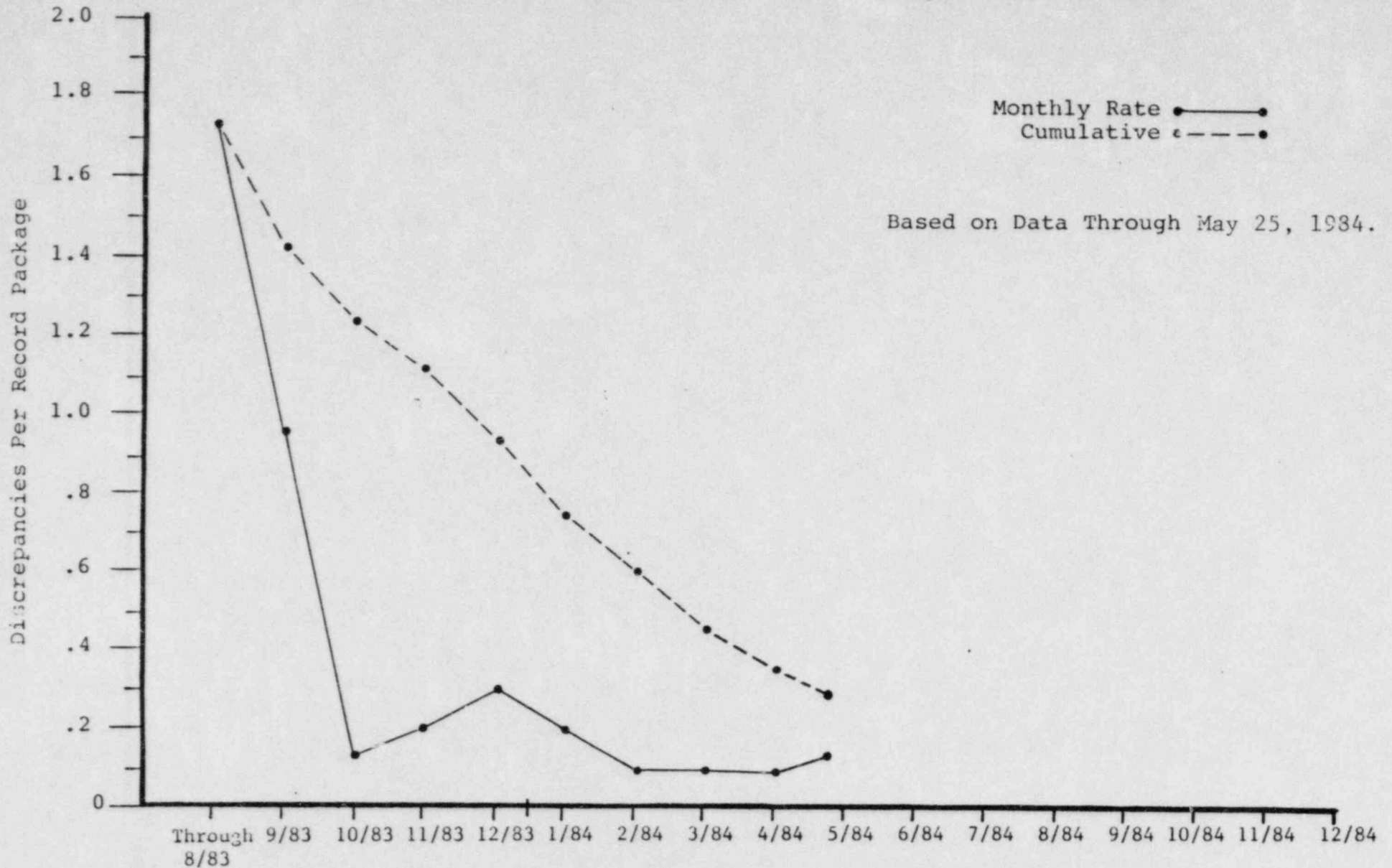
1983

1984

1985

RECORD REVIEW REJECT RATE

For Records Reviewed By IPQA RRG...Includes RDRs and DELs



RECORD VERIFICATION PROGRAM

° THE APPROXIMATELY 83,400 DEL LINE ITEMS IDENTIFIED BY BALDWIN ASSOCIATES DOCUMENT REVIEW GROUP HAVE RESULTED IN 218 NCRs.

- PROBLEMS IDENTIFIED ON THESE NCRs WERE:

<u>PROBLEM TYPE</u>	<u>NO. OF NCRs</u>
INCORRECT HEAT TREATMENT	48
MISSING DOCUMENTATION	27
INCORRECT PROCEDURE	18
PROCEDURE VIOLATIONS	10
CONFIGURATION	5
MATERIAL TRACEABILITY	36
MATERIAL OUT OF SPECIFICATION	21
ASME NA-3700 VENDOR PROBLEM	21
BYPASSED HOLD POINT	9
MISCELLANEOUS	<u>23</u>
	218

° APPROXIMATELY 0.25% of DEL LINE ITEMS HAVE RESULTED IN NCRs.

° SIGNIFICANT ITEMS IDENTIFIED ARE:

- LA BARGE MATERIALS
- ASME FLANGE MATERIAL (55(e) 84-11)
- PIPE SUBSTITUTIONS (55(e) 84-05)
- PENETRATION HEAD FITTINGS (55(e) 84-09)

RECORDS VERIFICATION PROGRAM

- AS OF 5/16/84, ILLINOIS POWER RECORDS REVIEW GROUP (RRG) IDENTIFIED 676 RECORD DEFICIENCIES.
- THESE DEFICIENCIES RESULTED FROM IP RRG REVIEWING APPROXIMATELY 1,030,000 ATTRIBUTES.
- MAJORITY OF DEFICIENCIES HAVE BEEN IN THE FOLLOWING AREAS:
 - IMPROPER CORRECTIONS
 - MISSING DOCUMENTS
 - TRACEABILITY
 - INCORRECT PROCEDURE REVISION REFERENCED
- NO NCRs HAVE RESULTED FROM THE IP REVIEWS

RECORDS VERIFICATION PROGRAM

USEABILITY DISCREPANCIES

- TYPES OF DEFICIENCIES:
 - LINE OUTS
 - WHITE OUTS
 - CORRECTIVE TAPE
 - ILLEGIBILITY

- USEABILITY DISCREPANCIES HAVE BEEN IDENTIFIED ON APPROXIMATELY 14,500 RECORDS
 - THIS REPRESENTS 1.8% OF ALL RECORDS REVIEWED

- OF THESE 14,500 RECORDS WITH USEABILITY DISCREPANCIES, APPROXIMATELY 12,000 HAVE BEEN CLOSED BY GENERIC RESOLUTION

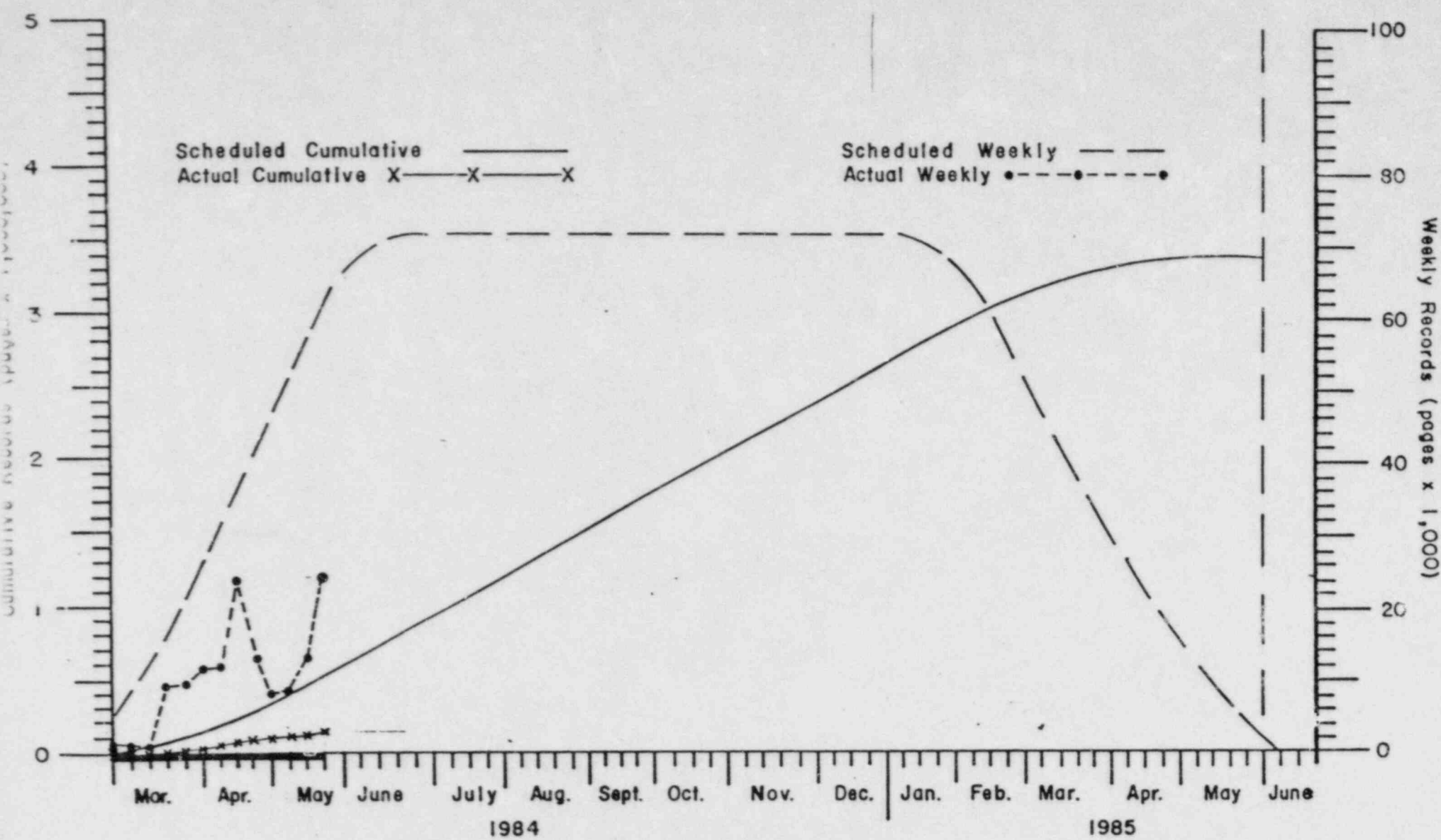
- NO HARDWARE NONCONFORMANCES HAVE RESULTED FROM USEABILITY DISCREPANCIES

- ACTIONS TAKEN FOR USEABILITY DEFICIENCIES
 - INCLUDED ON DOCUMENT REVIEW CHECKLISTS FOR BOTH BA-DRG (100%) AND IP-RRG (20%).
 - TREND ANALYSIS BEING PERFORMED FOR ALL DOCUMENT DISCREPANCIES. NO ADVERSE TRENDS IDENTIFIED TO DATE.
 - VAULT PROTECTION MEASURES INSTITUTED WHICH INCLUDE CONTROLLED ACCESS, NO PENS, AND CONTROLLED REVIEW.
 - PROCEDURE CHANGES IMPLEMENTED TO CONTROL METHODS OF DOCUMENT CHANGES; WITH USE OF WHITE OUT PROHIBITED WITHIN IP AND BA.
 - INSTITUTED CORRECTIVE ACTION FOR GENERAL ELECTRIC FDDR_s.

RECORDS TURNOVER

Weekly Records Transmittals To IPC*

Week Ending May 25, 1984



*Total expected does not include S&L microfilm (1,817,000)

ILLINOIS POWER COMPANY

10CFR50.55(e) DEFICIENCIES

10CFR50.55(E) DEFICIENCIES

55-82-09: ERRORS IN SARGENT & LUNDY CALCULATIONS FOR SMALL BORE,
INSTRUMENTATION, AND CONDUIT SUPPORT

- REVIEWS OF SARGENT & LUNDY DESIGNS THAT USED SIMPLIFIED PROCEDURES IS NOW COMPLETE
 - ° IDENTIFIED AREAS IN PROCEDURES THAT NEED IMPROVEMENT OR CLARIFICATION
 - ° RESULTED IN ONE (1) SUPPORT CHANGE
- SMALL BORE PIPE SUPPORT REVISIONS ARE REQUIRED IN TWENTY-FIVE (25) ASME PIPING SUBSYSTEMS
- SARGENT & LUNDY QA AND ILLINOIS POWER QA HAVE EVALUATED S&L'S CORRECTIVE ACTION AS ADEQUATE
- SAFETY OF OPERATION OF CPS WOULD NOT HAVE BEEN AFFECTED HAD THE ERRORS GONE UNCORRECTED

10CFR50.55(E) DEFICIENCIES

55-82-12: BINDING OF SWAY STRUT/SNUBBER PIPING COMPONENT SUPPORTS

- FIELD INSPECTION OF INSTALLED SWAY STRUTS AND SNUBBER SUPPORTS IS NOW COMPLETE AND RESULTS HAVE BEEN EVALUATED
- 800 LARGE BORE SAFETY-RELATED SUPPORTS WILL REQUIRE REWORK TO PROVIDE SUFFICIENT CLEARANCES FOR THERMAL MOVEMENT OF PIPE
- 43 SMALL BORE SAFETY-RELATED SUPPORTS WILL REQUIRE REWORK TO PROVIDE SUFFICIENT CLEARANCES FOR THERMAL MOVEMENT OF PIPE
- APPROXIMATELY 50% OF HANGERS REQUIRE ONLY MINOR ADJUSTMENT; REMAINDER REQUIRE HARDWARE REPLACEMENT OR REWORK
- CONSTRUCTION SCHEDULES TO CORRECT SUPPORTS HAVE BEEN DEVELOPED, AND PROJECT COMPLETION BY SEPTEMBER 1, 1984.

TOTAL REWORKS/REINSPECTED - 800

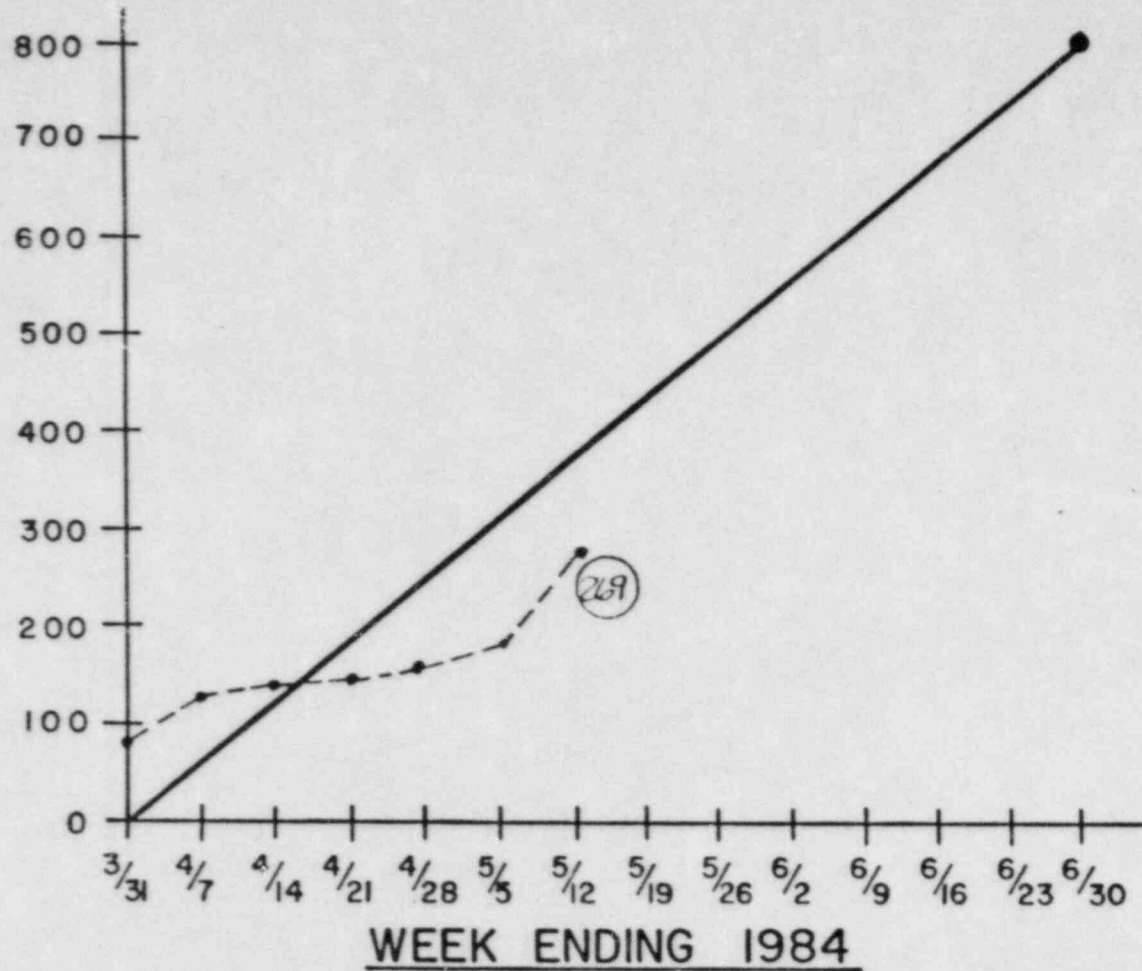
HANGERS REMAINING - 531

HANGERS COMPLETED - 269

TOTAL

800

NUMBER OF LARGE BORE HANGERS



WEEK ENDING 1984

OO L.B.H. TO BE REWORKED/REINSPECTED

LEGEND

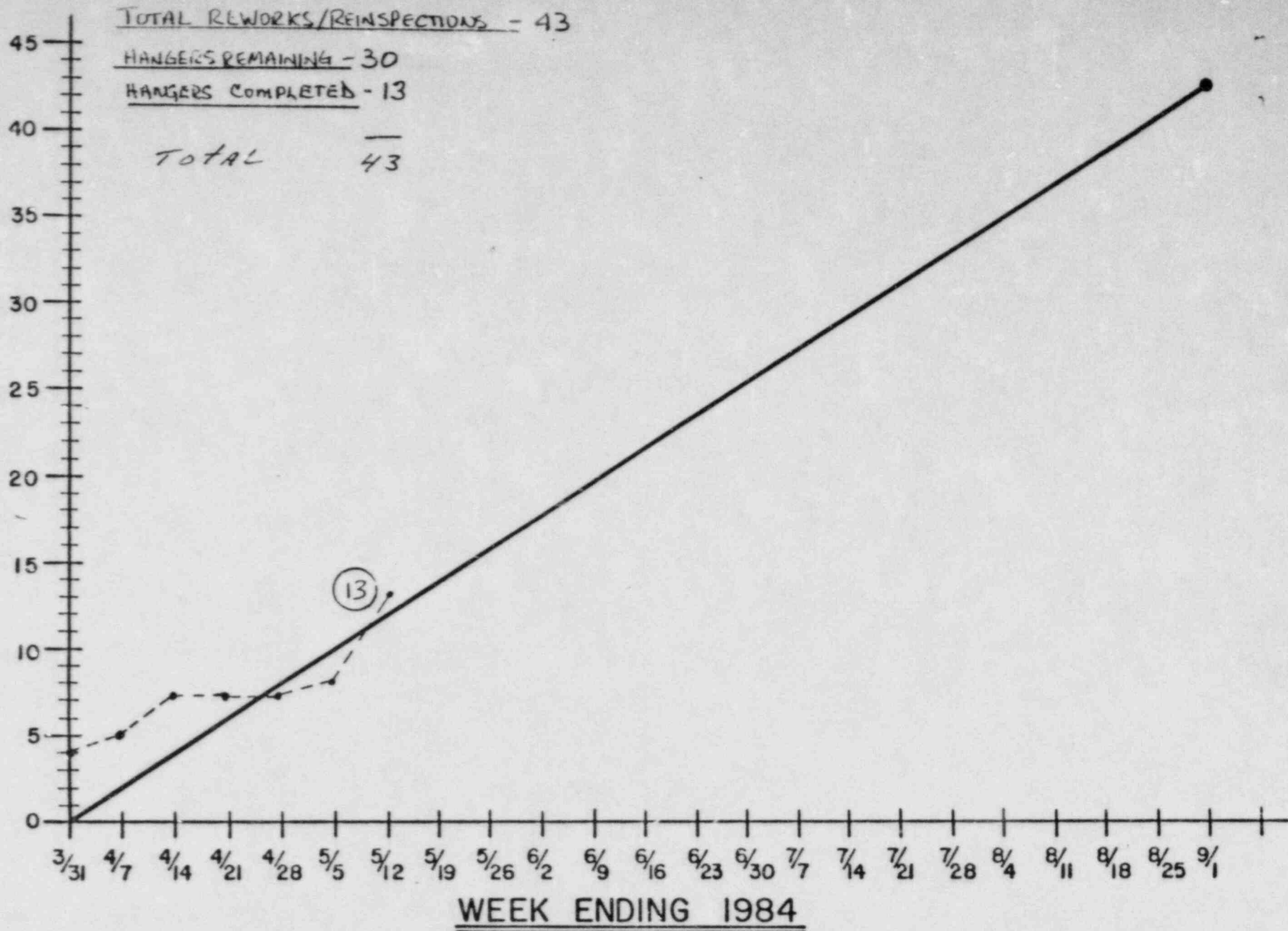
— SCHEDULED REWORK/REINSPECTED

- - - COMPLETED REWORK/REINSPECTED

IOCFR 50.55e 82-12

BASIC ENGINEERS
SWAY STRUT/SNUBBER
BINDING

NUMBER OF SMALL BORE HANGERS



43 SB.H. TO BE REWORKED/REINSPECTED

LEGEND

— SCHEDULED REWORK/REINSPECTED
 - - - COMPLETED REWORK/REINSPECTED

IOCFR 50.55e 82 - 12

BASIC ENGINEERS
 SWAY STRUT/SNUBBER
 BINDING

10CFR50.55(e) DEFICIENCIES

55-83-02: INSPECTION OF COUNTERBORE OF ASME PIPING

- FIELD UT EXAMINATION AND DOCUMENTATION REVIEWS ARE NOW COMPLETE
- APPROXIMATELY 474 ASME PIPING WELDS CONTAIN SUSPECT COUNTERBORES AND MAY REQUIRE REWORK
- NONCONFORMANCE REPORTS HAVE BEEN INITIATED ON EACH TO OBTAIN AN ENGINEERING DISPOSITION OF THE WELD
- CONSTRUCTION SCHEDULES HAVE BEEN DEVELOPED TO CORRECT COUNTERBORES AND WELDS THAT PROJECT COMPLETION BY JULY 1, 1984

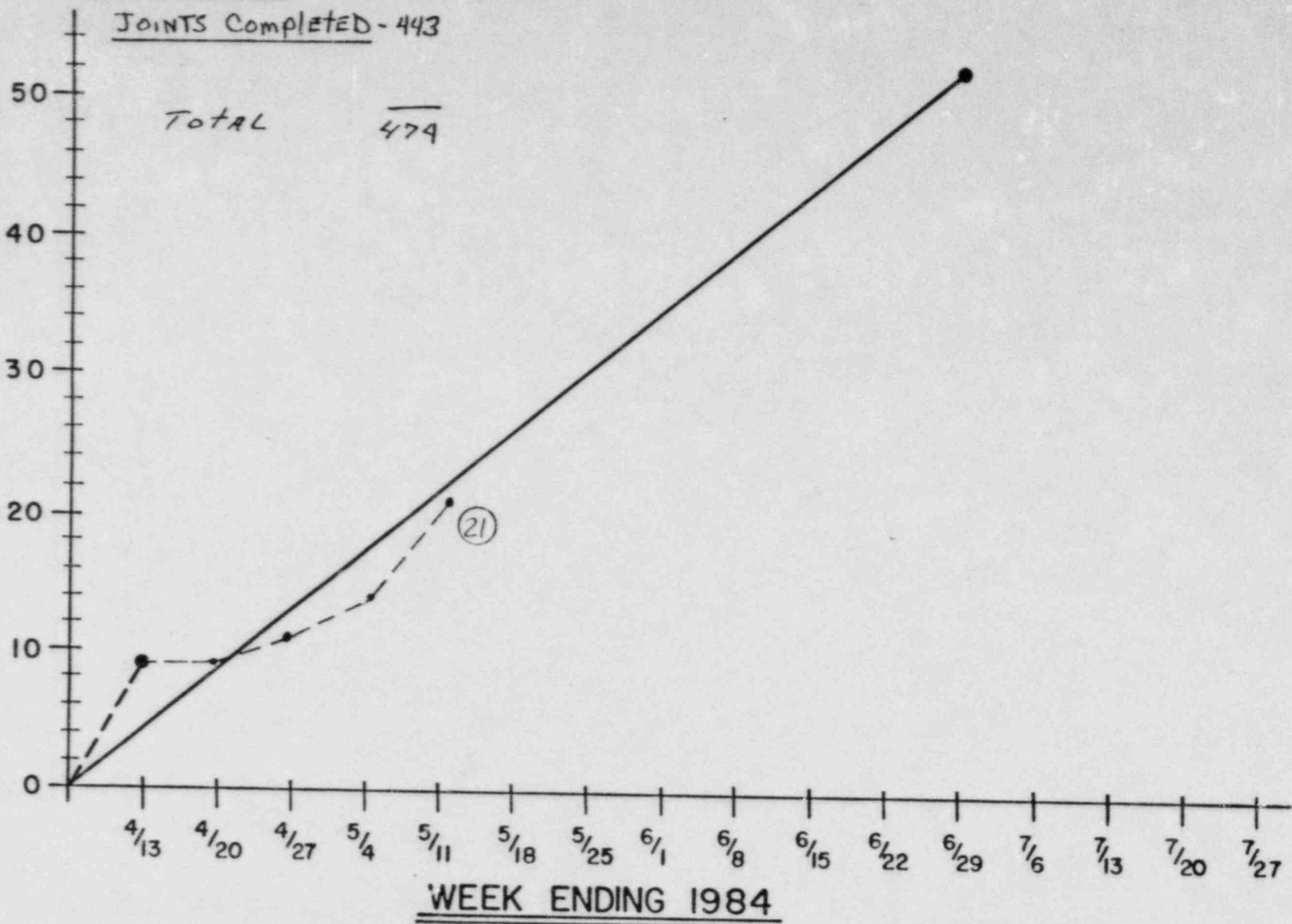
NUMBER OF WELD JOINTS TO BE REWORKED/REINSPECTED

TOTAL JOINTS - 474

JOINTS REMAINING - 31

JOINTS COMPLETED - 443

Total 474



COUNTERBORE JOINTS REMAINING TO BE REWORKED/REINSPECTED

LEGEND

- SCHEDULED REWORK/REINSPECTED
- - - COMPLETED REWORK/REINSPECTED

IOCFR 50.55e 83-02
COUNTERBORING OF SAFETY RELATED PIPE

10CFR50.55(e) DEFICIENCIES

55-83-07: PIPING WELDS BY SOUTHWEST FABRICATING

- A RE-REVIEW OF SOUTHWEST FABRICATING PIPING RADIOGRAPHS IS COMPLETE
- APPROXIMATELY 104 WELDS MAY REQUIRE REPAIR TO CORRECT ADVERSE RT INDICATIONS
- APPROXIMATELY 31 WELDS REQUIRE A DOCUMENTATION CORRECTION AND/OR A RE-RADIOGRAPH
- CONSTRUCTION SCHEDULES HAVE BEEN DEVELOPED TO CORRECT WELDS THAT PROJECT COMPLETION BY JULY 1, 1984

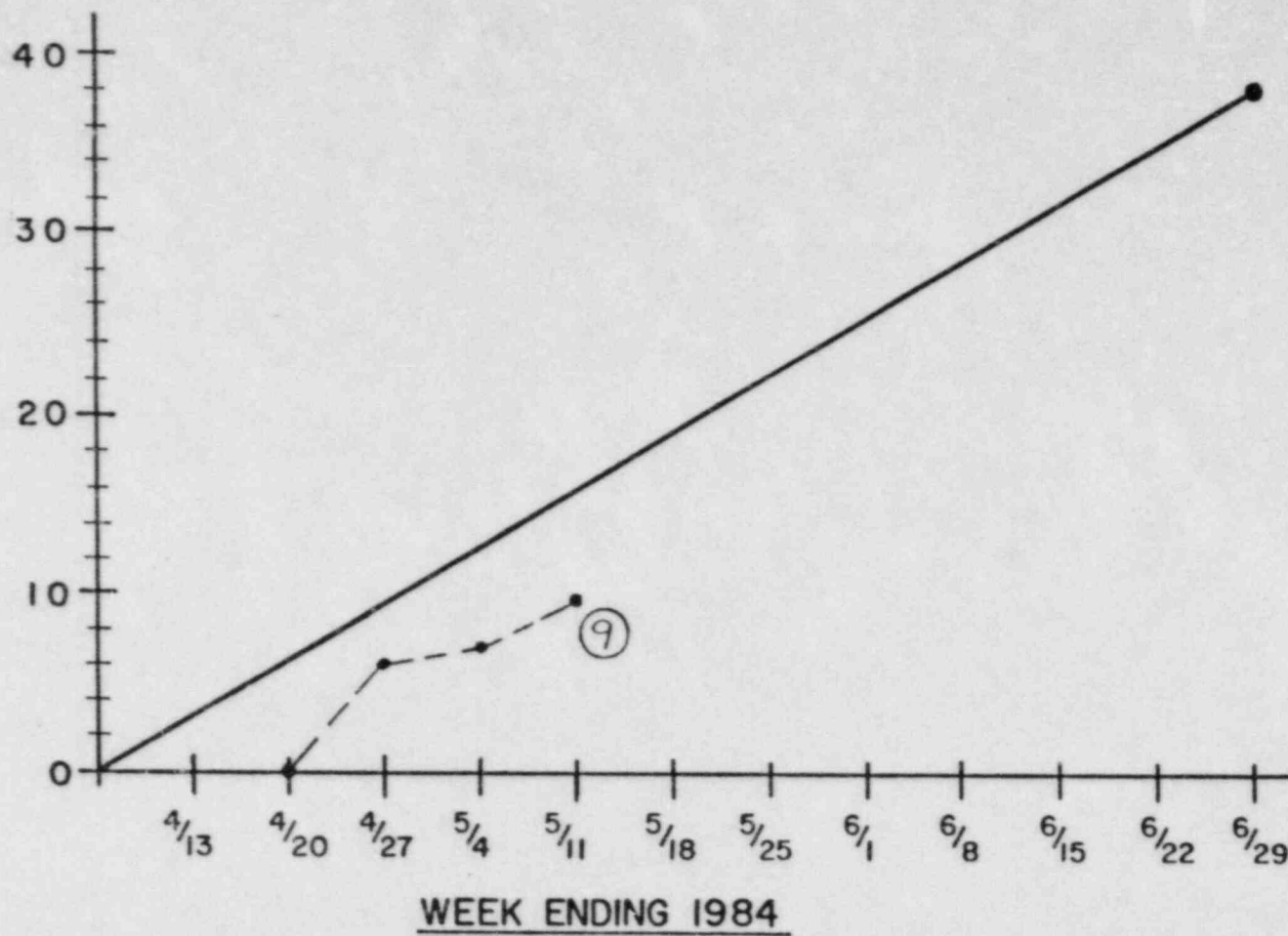
NUMBER OF WELD JOINTS TO BE REWORKED/REINSPECTED

TOTAL JOINTS - 135

JOINTS REMAINING - 29

JOINTS COMPLETED - 106

Total 135



38 SOUTHWEST FAB WELDS
REMAINING TO BE REWORKED/REIN-
SPECTED

60

5/84

LEGEND

- SCHEDULED REWORK REINSPECTED
- - - COMPLETED REWORK REINSPECTED

IOCFR 50.55e 83-07

SWF RADIOGRAPHS

10CFR50.55(E) DEFICIENCIES

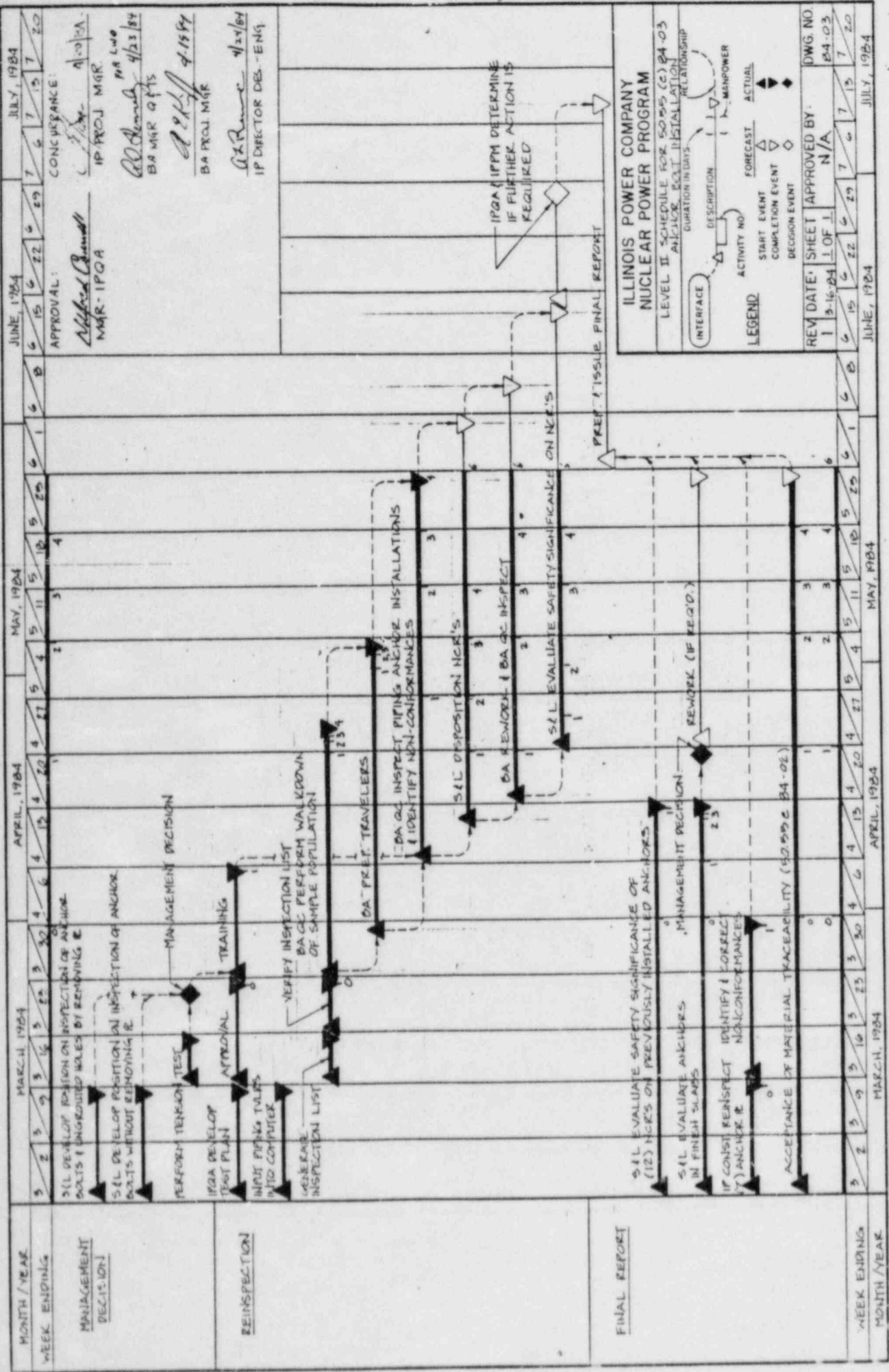
55-83-10: CONTAINMENT LINER DOME CLOSURE SEAM WELD

- A VISUAL AND MAGNETIC PARTICLE INSPECTION OF THE R2-R3 CLOSURE WELD HAS BEEN COMPLETED BY BALDWIN ASSOCIATES AND U.S. TESTING COMPANY
- TWO (2) SMALL CRACKS AND TWO (2) MAGNETIC PARTICLE INDICATIONS HAVE BEEN IDENTIFIED
- VISUAL INSPECTION HAS IDENTIFIED NUMEROUS WELD DISCREPANCIES
- AN INDEPENDENT REVIEWER HAS BEEN RETAINED TO EVALUATE THE RESULTS OF THE INSPECTIONS, WELDING REQUIREMENTS, AND TO DETERMINE THE NEED FOR FURTHER ACTION
- AN INDEPENDENT EXAMINATION HAS BEEN PERFORMED AND DETERMINED THE FOREIGN MATERIAL FOUND IN WELD WAS CHEWING GUM & WAS DEPOSITED AFTER PAINTING
- ALL ACTIONS TO CLOSE INVESTIGATION ARE SCHEDULED FOR COMPLETION BY JUNE 25, 1984

10CFR50.55(e) DEFICIENCIES

55-84-03: IMPROPER CONCRETE EXPANSION ANCHOR BOLT INSTALLATIONS

- ON JANUARY 11, 1984, ILLINOIS POWER COMPANY NOTIFIED NRC REGION III OF A POTENTIALLY REPORTABLE CONDITION CONCERNING IMPROPER INSTALLATION OF CONCRETE EXPANSION ANCHOR BOLTS (CEAs) AT CPS.
- IPC HAS DEVELOPED AND IMPLEMENTED A PLAN TO STATISTICALLY SAMPLE INSTALLED CEAs ON SAFETY-RELATED PIPING SUPPORTS TO DETERMINE THE ADEQUACY OF INSTALLATIONS.
- THE PLAN HAS THE FOLLOWING ELEMENTS:
 - BASED ON A MIL STANDARD 105D: 95% CONFIDENCE LEVEL
 - COMPUTER-GENERATED RANDOM SAMPLE OF CEA POPULATION
 - REINSPECTION PROCEDURE IS PRIMARILY NONDESTRUCTIVE AND DOES NOT REQUIRE REMOVAL OF ANCHORED HARDWARE
- AS OF MAY 11, 1984, 290 PIPE SUPPORT CEA INSTALLATIONS HAVE BEEN INSPECTED OUT OF A TOTAL OF 290 INSTALLATIONS TO BE INSPECTED.
- ALL OF "SUSPECT" FITTERS CEAs REINSPECTED.
- 29 NONCONFORMANCE REPORTS HAVE BEEN WRITTEN AGAINST 19 PIPE SUPPORTS EXHIBITING CEA DEFICIENCIES.
- OVER 50% OF THE DEFICIENCIES IDENTIFIED TO DATE ARE DUE TO CONSERVATISMS IN THE REINSPECTION PROCEDURE, NOT DUE TO AN INADEQUATE CEA INSTALLATION.
- PROGRAM IS BEING EXPANDED TO ALSO REINSPECT OTHER DISCIPLINES' INSTALLATIONS (CIVIL, ELECTRICAL, HVAC, MECHANICAL)



FINAL REPORT

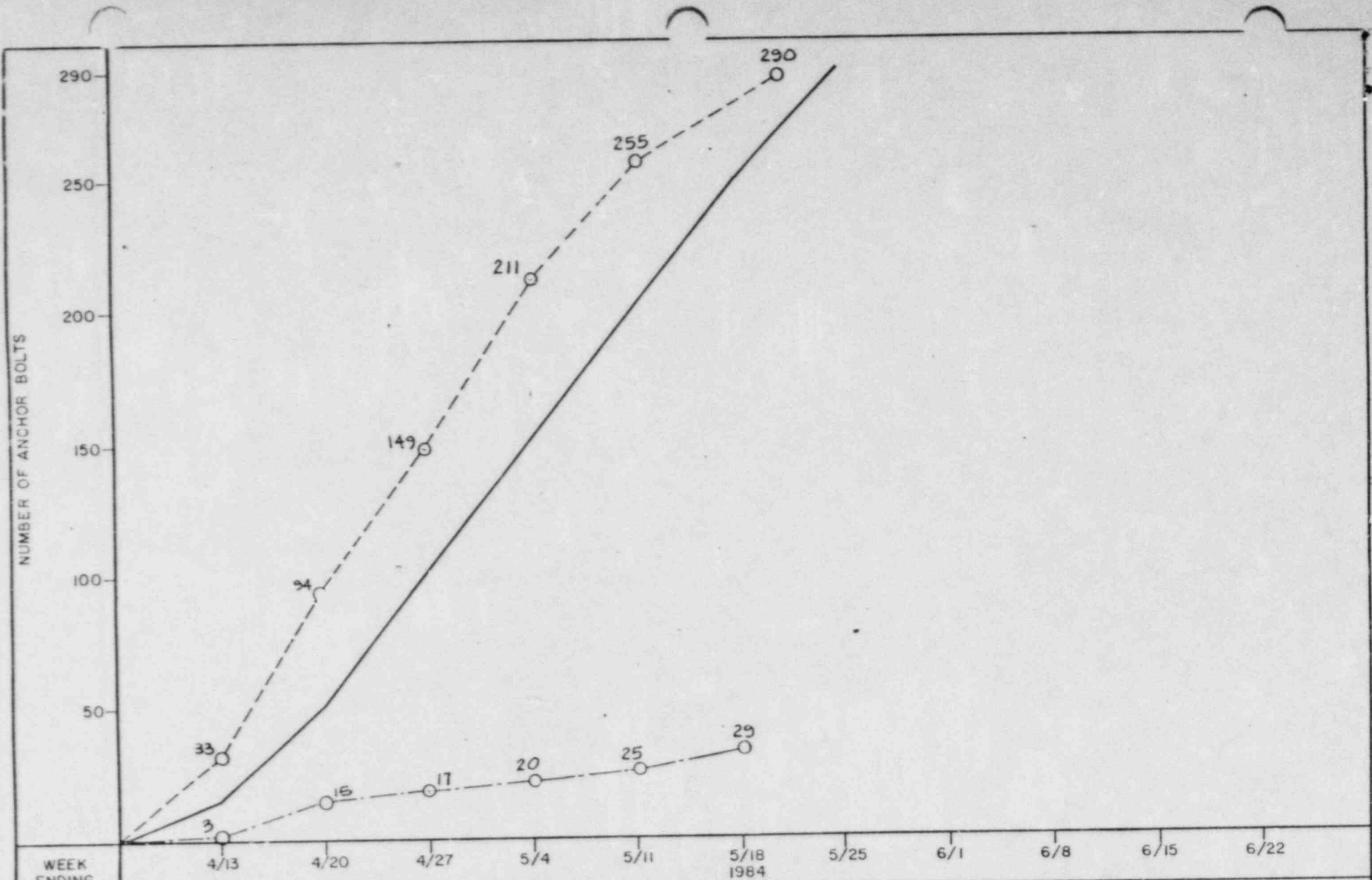
**ILLINOIS POWER COMPANY
NUCLEAR POWER PROGRAM**

LEVEL II SCHEDULE FOR 50595 (G) 84-03
ANCHOR BOLT INSTALLATION RELATIONSHIP

DURATION IN DAYS: DESCRIPTION ACTIVITY NO. MANPOWER
 START EVENT FORECAST ACTUAL
 COMPLETION EVENT
 DECISION EVENT

REV DATE: SHEET APPROVED BY: DWG. NO.

1	3-16-84	LOF	N/A	84-03
6	4-1-84	LOF	N/A	84-03



OF ANCHORS TO BE REINSPECTED
 80 S & L DESIGNED LARGE BORE SUPPORTS
 80 S & L DESIGNED SMALL BORE SUPPORTS
 80 S & L DESIGNED INSTRUMENTATION SUPP.
 50 BA DESIGNED SUPPORTS
 290 TOTAL

LEGEND
 SCHEDULED INSPECTIONS —————
 COMPLETED INSPECTIONS - - - - -
 # OF BOLTS REQUIRING ENGINEERING ANALYSIS - · - · -

10 CFR 50.55e 84-03
 PIPING
 CONCRETE EXPANSION
 ANCHOR REINSPECTION
 PROGRAM

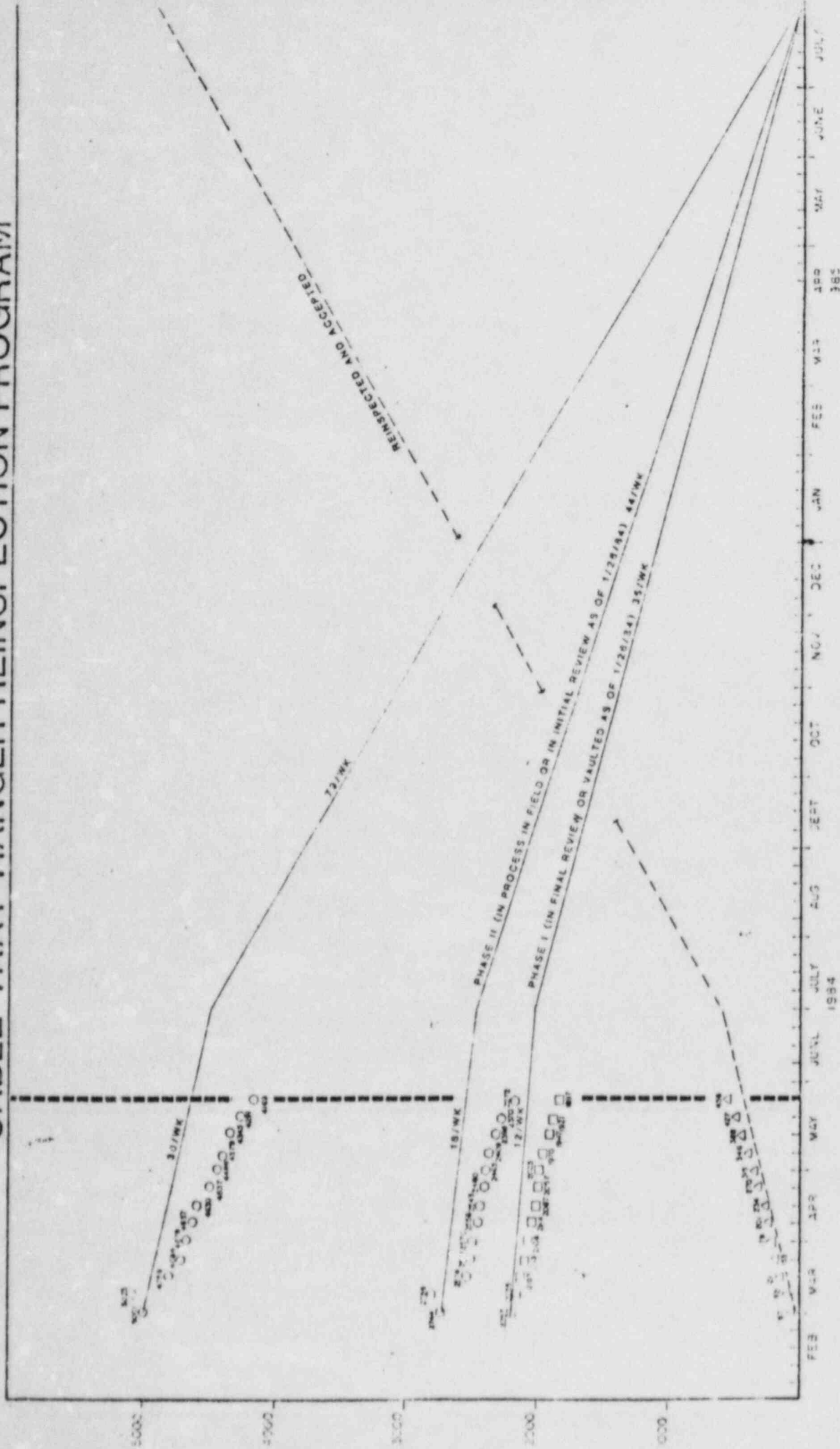
INSPECTION BACKLOG

INSPECTION BACKLOG

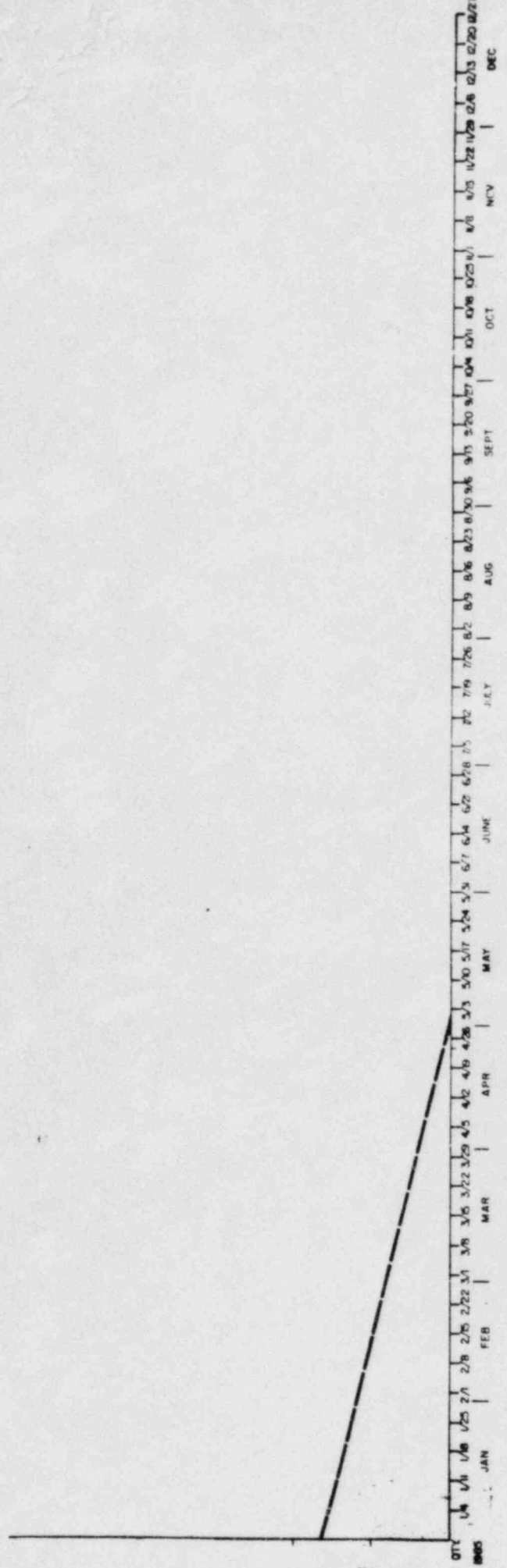
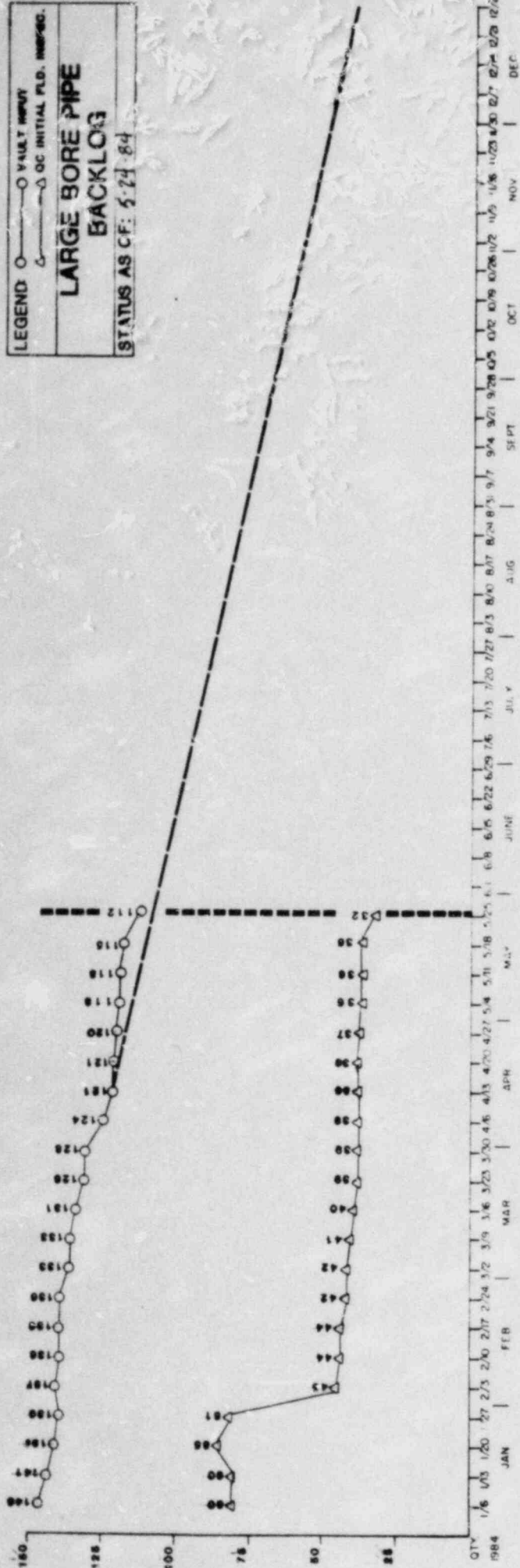
- PROGRESS ON ELIMINATING THE WORK BACKLOG HAS REMAINED POSITIVE.
- APPROXIMATELY 50% OF "BACKLOG" TRAVELERS ARE NOW VAULTED.
- TRACKING OF "BACKLOG" TRAVELERS CONTINUES AND STATUS IS UPDATED ON A WEEKLY BASIS.
- PRESENT STATUS:

<u>TRAVELER TYPE</u>	<u>PROJECTED END DATE</u>
ELECTRICAL HANGERS	JULY, 1985
SMALL BORE PIPE	MAY, 1985
SMALL BORE HANGER	MAY, 1985
LARGE BORE PIPE	MAY, 1985
LARGE BORE HANGER	MAY, 1985
INSTRUMENTATION	JUNE, 1984

CABLE TRAY HANGER REINSPECTION PROGRAM



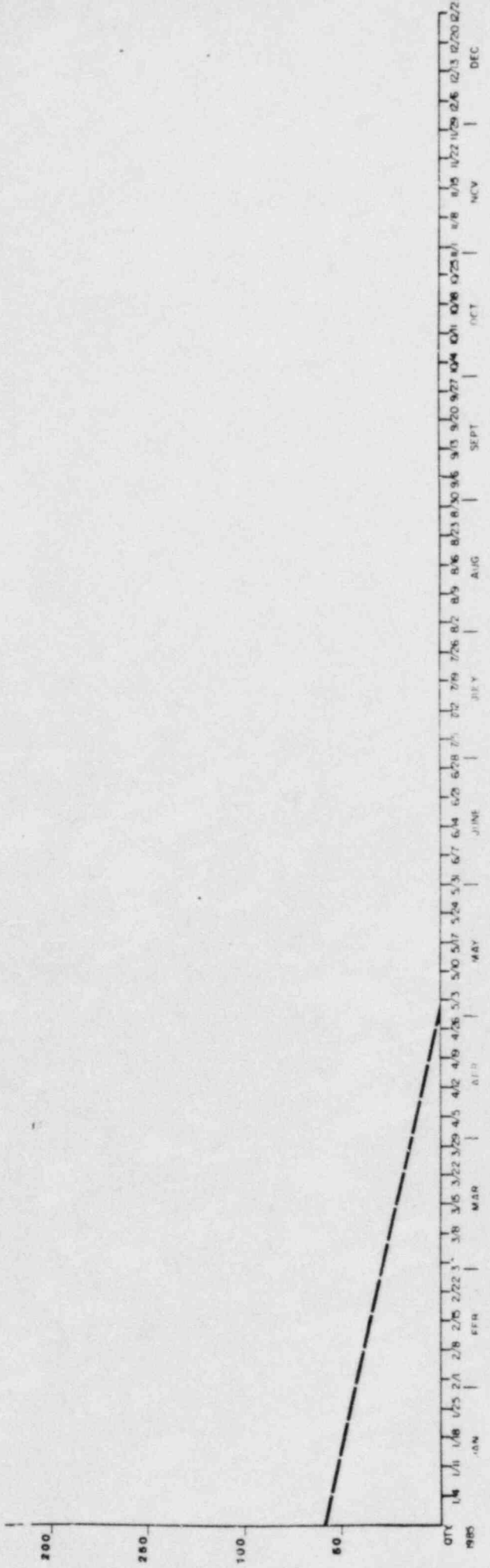
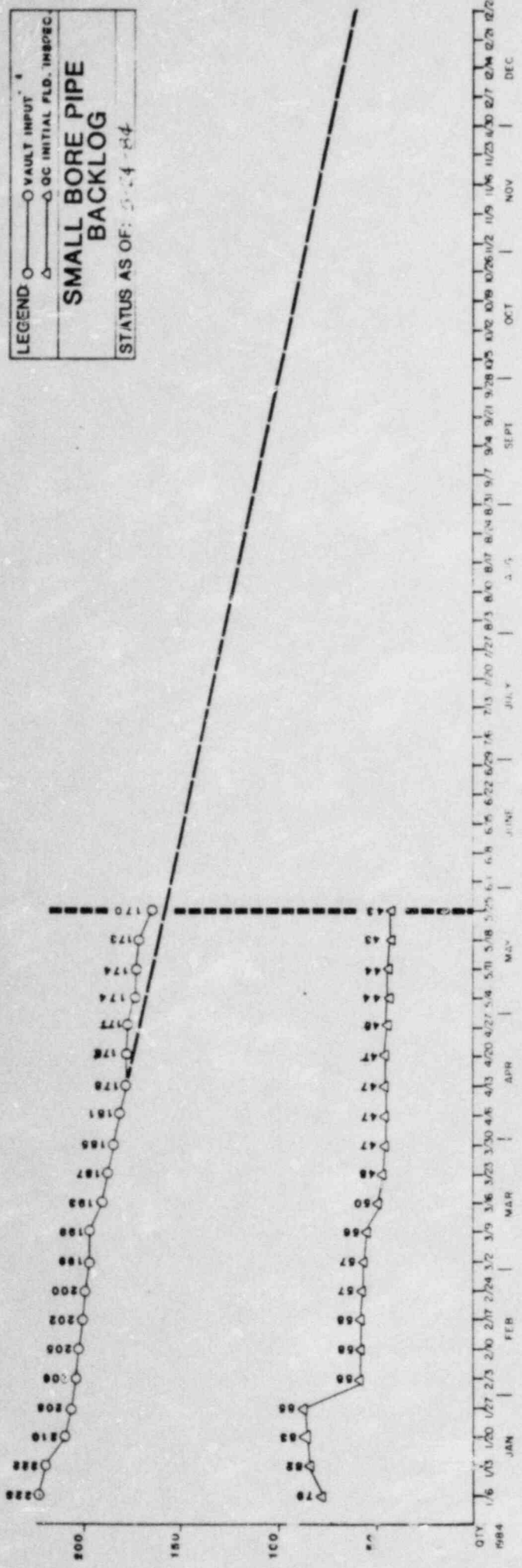
LEGEND: ○ VULNERABILITY
 △ OC INITIAL PLD. INVENTORY
LARGE BORE PIPE BACKLOG
 STATUS AS OF: 5-24-84



LEGEND: ○ VAULT INPUT
 △ OC INITIAL FLD. 11MBDEC

**SMALL BORE PIPE
 BACKLOG**

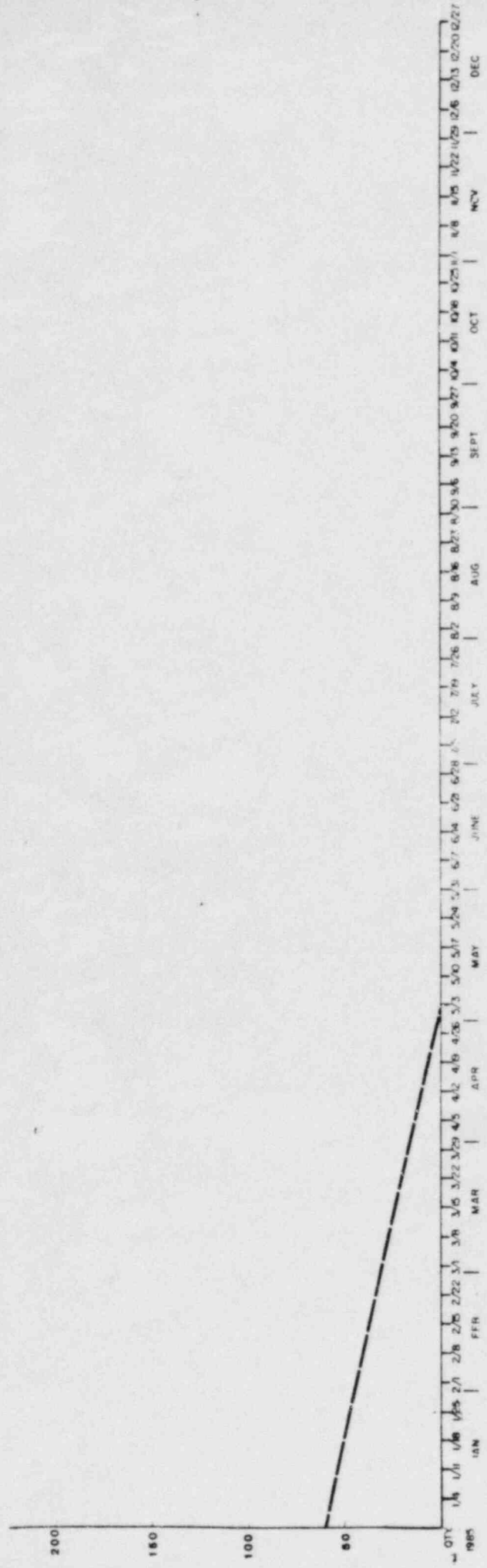
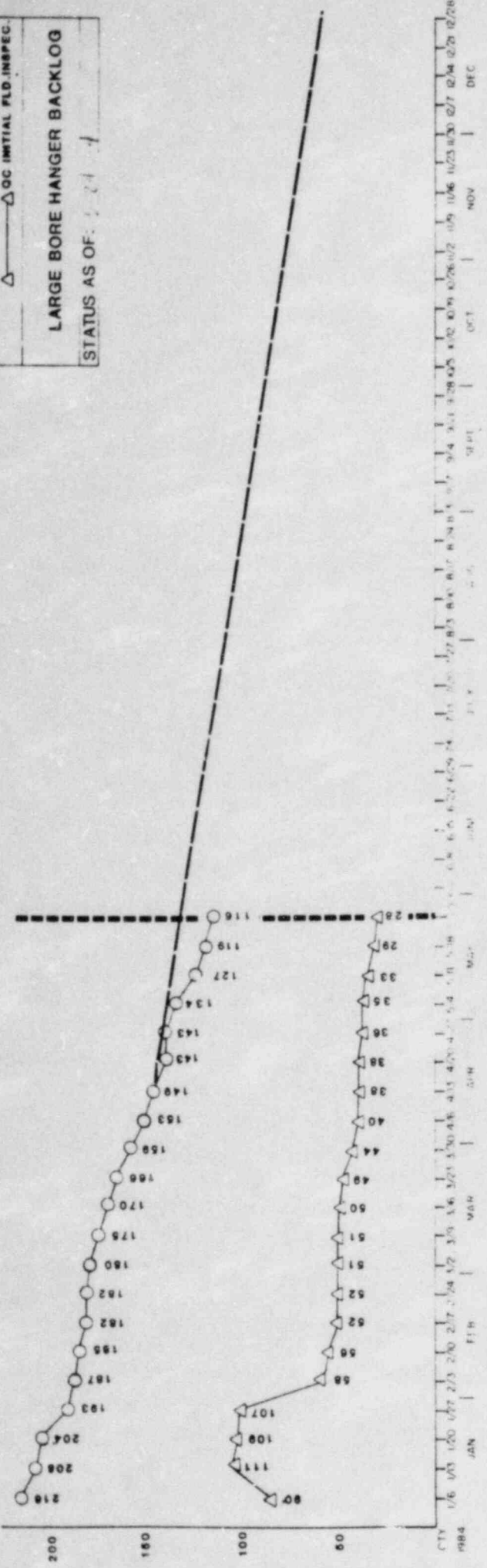
STATUS AS OF: 01-14-84



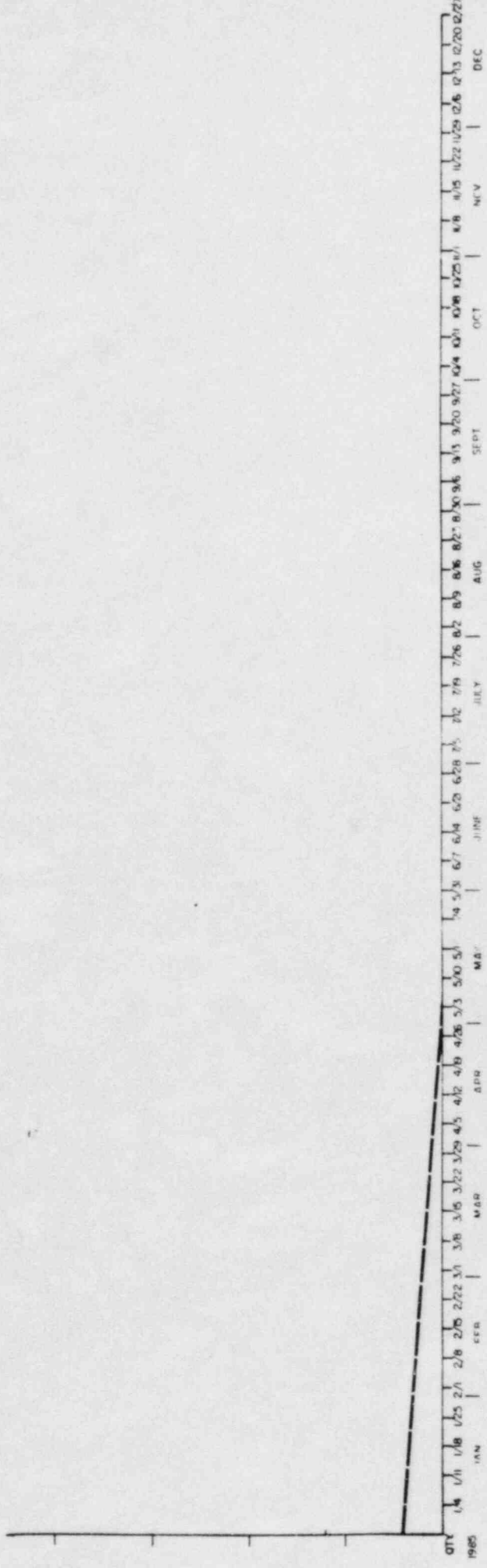
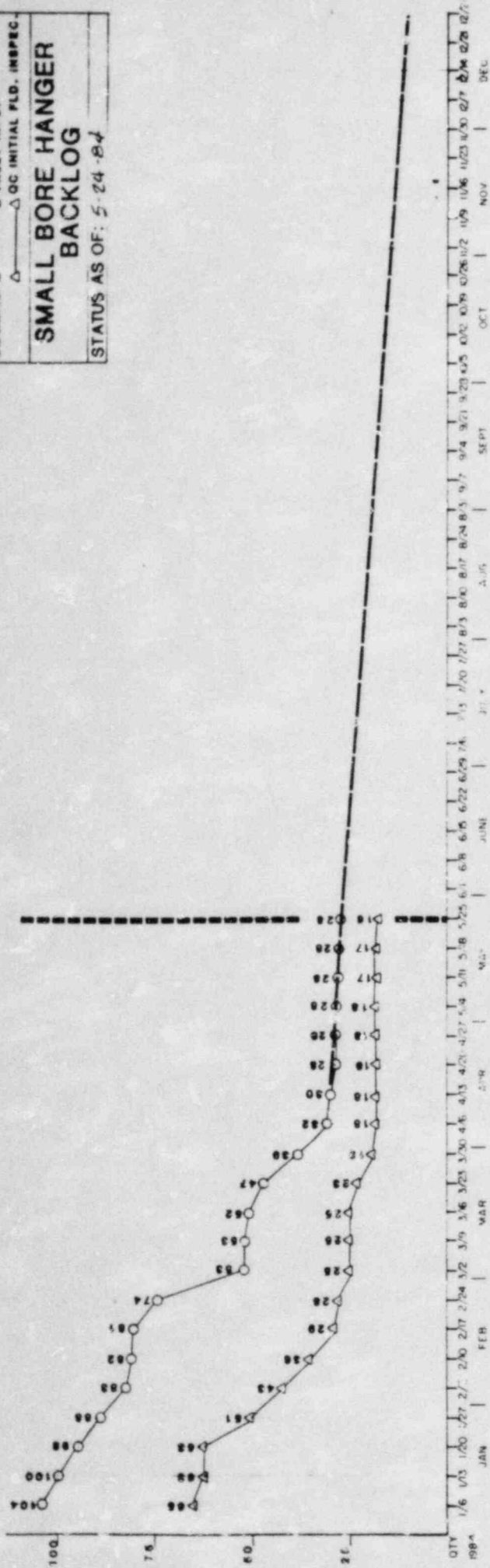
LEGEND ○ VAULT INPUT
 △ OC INITIAL FLD. INBPEC.

LARGE BORE HANGER BACKLOG

STATUS AS OF: 1/27/84



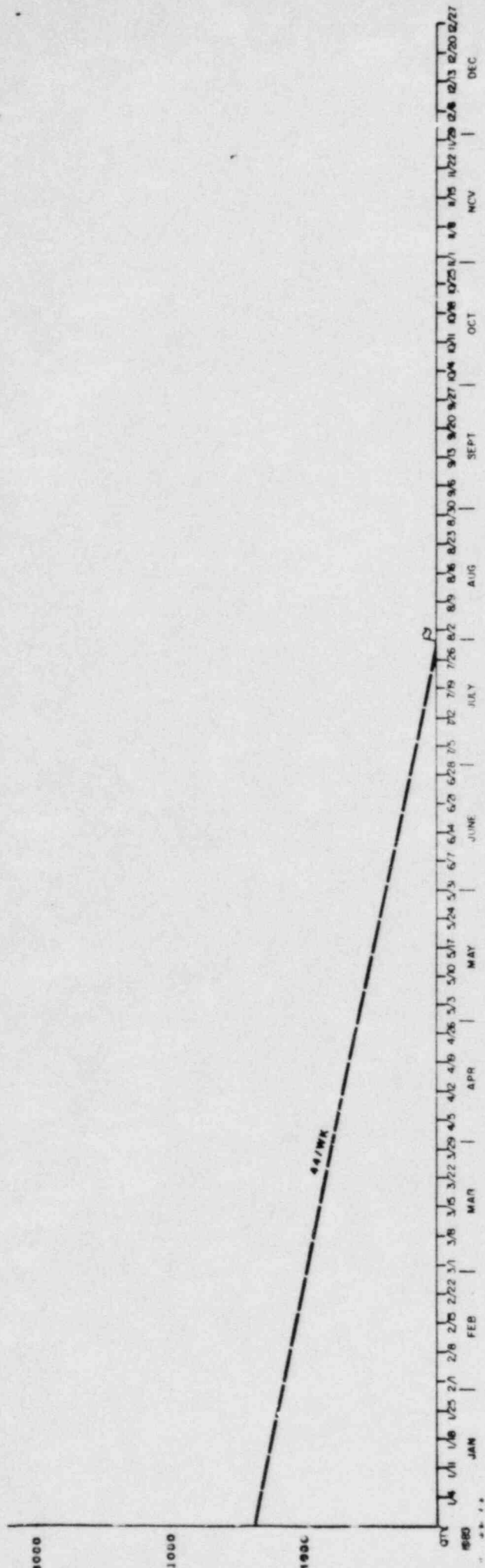
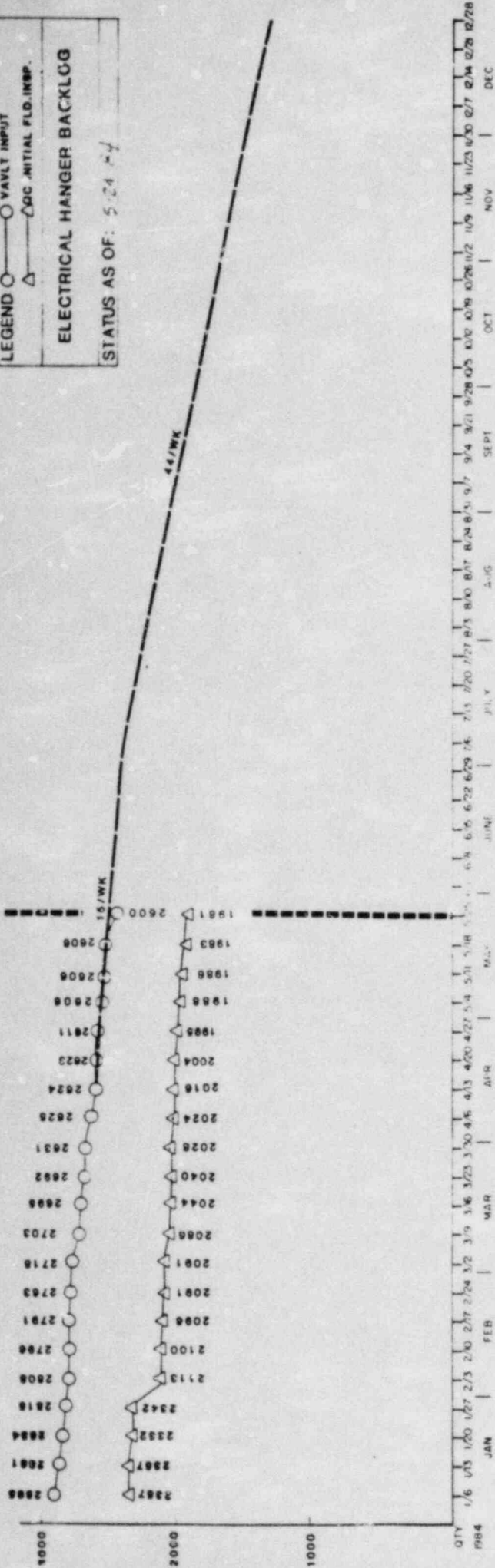
LEGEND ○ VAULT INPUT
 △ GC INITIAL FLD. INSPEC.
**SMALL BORE HANGER
 BACKLOG**
 STATUS AS OF: 5-24-84

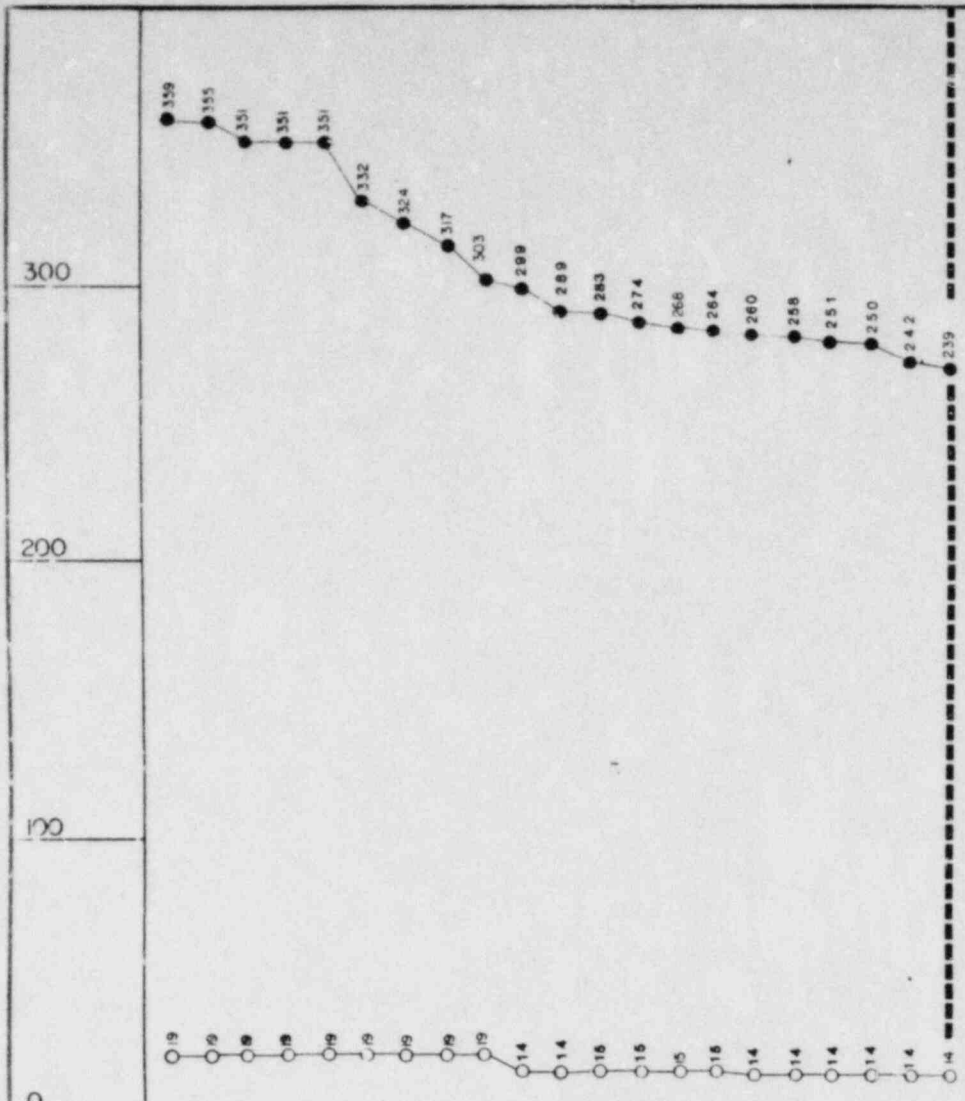


LEGEND ○ VAULT INPUT
 △ QDC INITIAL FLD. INSP.

ELECTRICAL HANGER BACKLOG

STATUS AS OF: 5/24/74





DATE	1/6	1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/2	3/9	3/16	3/23	3/30	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
BAQA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BAQC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCAGEI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PC QA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	16	15	16	17	16	16	16	16	16	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
QA/E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA/E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA/E	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

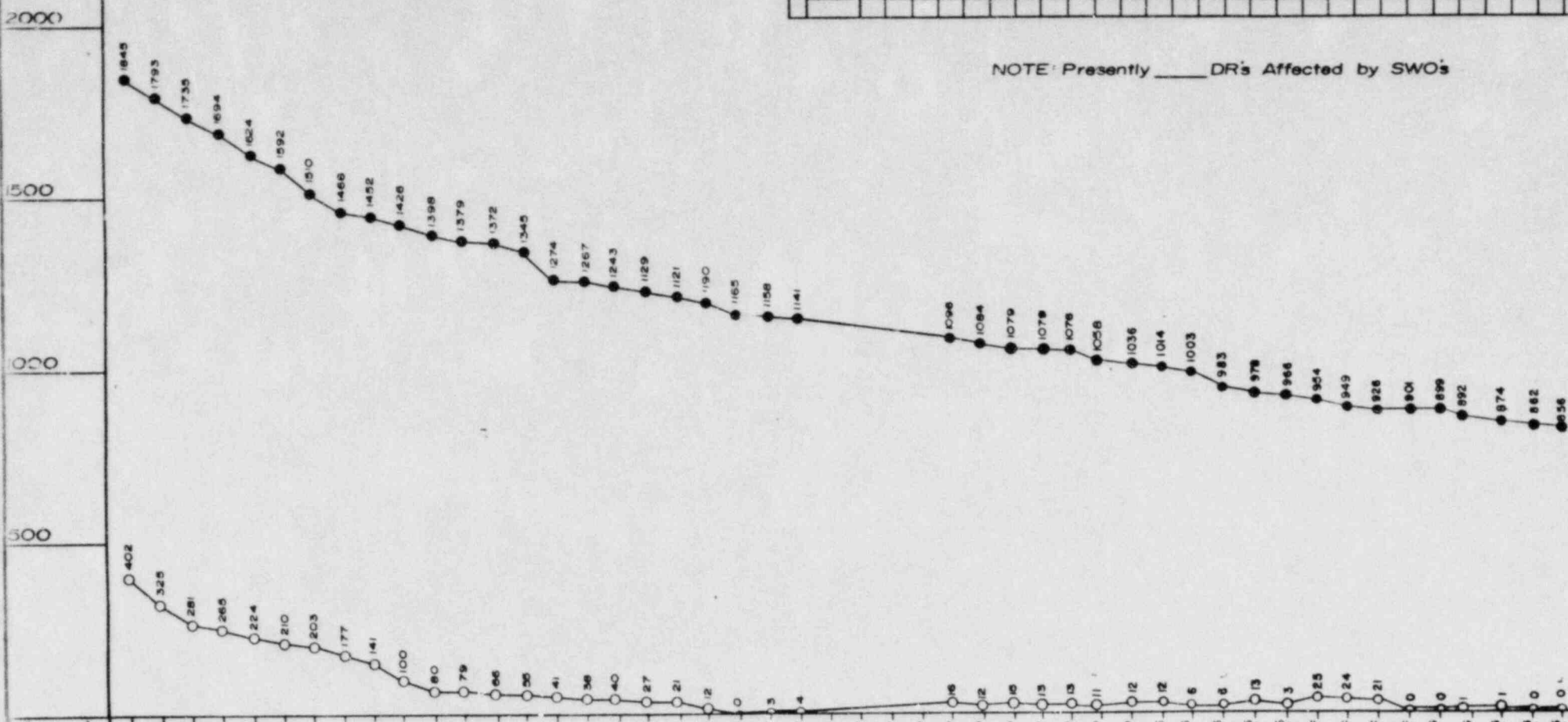
QUANTITY	JANUARY 84	FEBRUARY 84	MARCH 84	APRIL 84	MAY 84	JUNE 84	JULY 84	AUGUST 84	SEPTEMBER 84	OCTOBER 84	NOVEMBER 84	DEC. 84
(EA)	359	351	303	266	250	239	239	239	239	239	239	239

STATUS AS OF	1-4-84	5-9-84	LEGEND
3-14-84	4-11-84	5-09-84	● ———— ● ALL NCR's PRIOR TO 12/20/82
3-21-84	4-18-84	5-17-84	○ ———— ○ ALL NCR's PRIOR TO 12/20/82 (REQUIRING DISPOSITION)
3-28-84	4-25-84	5-24-84	

NONCONFORMANCE
REPORT
CLOSEOUT PROGRESS
PG 2 OF 2

DATE	1/20	1/22	1/24	1/26	1/28	1/30	1/31	2/1	2/2	2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18
BAQC	2	-	-	-	-	-	2	-	3	1	-	-	2	-	2	2	-	-	4	-	-	-	-	-	-
BA ENG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BA FE	7	-	1	-	-	-	-	2	-	1	-	-	-	4	-	-	-	21	-	-	-	-	-	-	-
BARE	5	-	8	-	-	-	15	11	9	9	6	7	9	11	-	4	15	5	-	24	21	-	-	1	1
SUB-C	-	-	-	-	-	-	1	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
BATS	-	-	-	-	-	-	-	-	-	5	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
BNRG	-	-	-	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

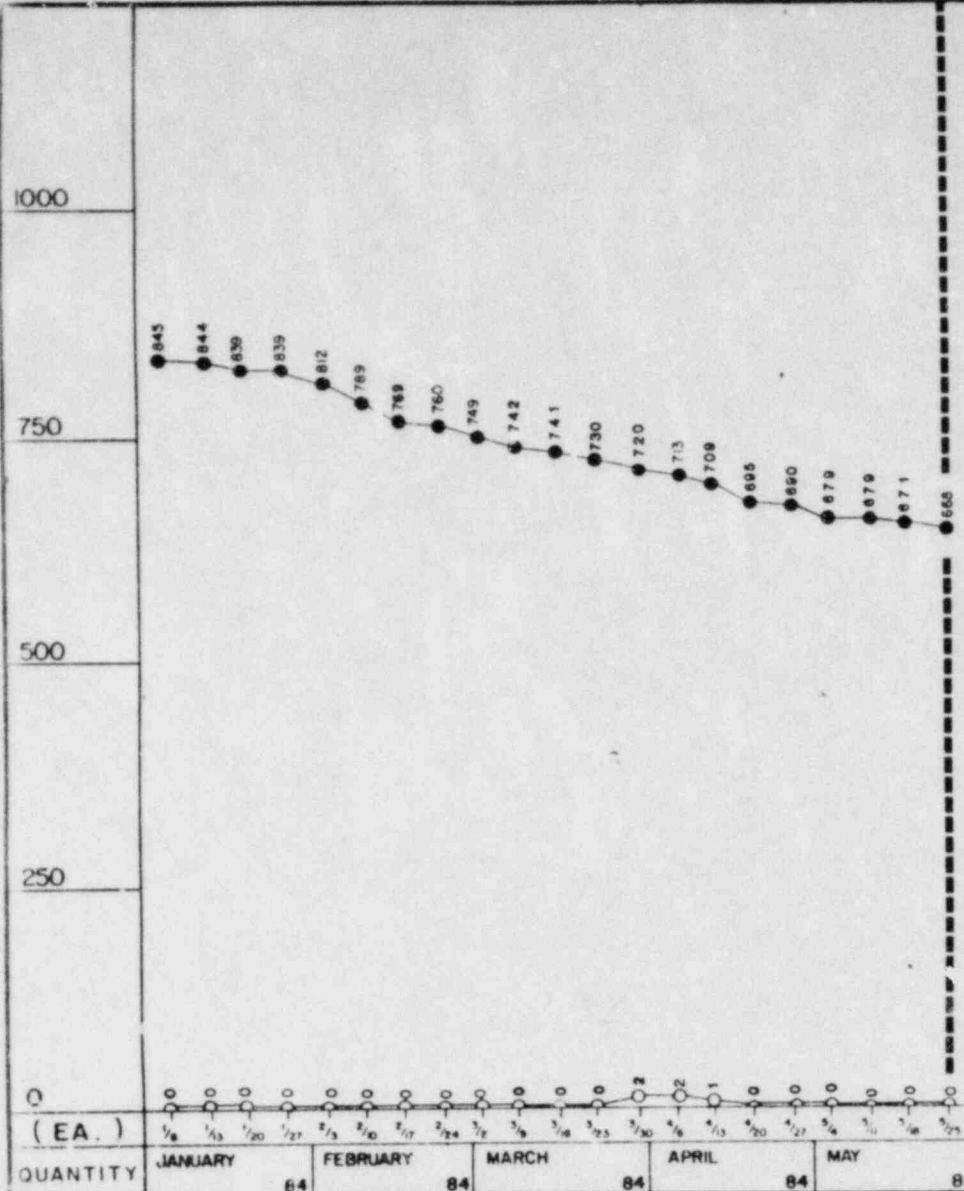
NOTE: Presently _____ DR's Affected by SWO's



QUANTITY	FEBRUARY 83	MARCH 83	APRIL 83	MAY 83	JUNE 83	JULY 83	AUGUST 83	SEPTEMBER 83	OCTOBER 83	NOVEMBER 83	DECEMBER 83
(EA)											

STATUS AS OF	LEGEND
12-7-83	● ALL DR's PRIOR TO 12/20/82
12-14-83	○ ALL DR's PRIOR TO 12/20/82 (REQUIRING DISPOSITION)
12-21-83	

Deviation Report Closeout Progress



DATE	1/8	1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/2	3/9	3/16	3/23	3/30	4/6	4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15	6/22	6/29
BAQC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BA ENG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BA PE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BA RE	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	-	-	-	-	-	-	-	-	-
SUB C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BATS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BNRQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QUANTITY	JANUARY 84	FEBRUARY 84	MARCH 84	APRIL 84	MAY 84	JUNE 84	JULY 84	AUGUST 84	SEPTEMBER 84	OCTOBER 84	NOVEMBER 84	DEC. 84
STATUS AS OF	1-4-84	5-02-84	LEGEND									
5-14-84	4-11-84	5-09-84										
3-21-84	4-18-84	5-17-84										
5-28-84	4-25-84	5-24-84										

STATUS AS OF	1-4-84	5-02-84	LEGEND									
5-14-84	4-11-84	5-09-84	●——●	ALL DR's PRIOR TO 12/20/82								
3-21-84	4-18-84	5-17-84	○——○	ALL DR's PRIOR TO 12/20/82 (REQUIRING DISPOSITION)								
5-28-84	4-25-84	5-24-84										

DEVIATION REPORT
CLOSEOUT PROGRESS
 PG 2 OF 2

