

March 31, 1997

Florida Power Corporation
Crystal River Energy Complex
Mr. Roy A. Anderson (SA2A)
Sr. VP, Nuclear Operations
ATTN: Mgr., Nuclear Licensing
15760 West Power Line Street
Crystal River, FL 34428-6708

SUBJECT: MEETING SUMMARY: MANUAL CHAPTER 0350 RESTART PANEL
CRYSTAL RIVER - DOCKET NO. 50-302

Dear Mr. Anderson:

This refers to the meeting held March 21, 1997, in your Training Center. Enclosed is a list of attendees, your briefing slides, your list of planned license amendments and technical specification changes, and a copy of your Restart Detail Schedule.

The purpose of the meeting was to discuss related items on the NRC Manual Chapter 0350 restart matrix related to the resolution of technical and engineering issues and to reach a better understanding of your major milestones for recovery. The discussions included the following topics: Restart Status, Performance Indicators, Resolution of Design Issues, System Readiness Review, Resolution of Emergent Issues, MCAP II Update and Closure of MC 0350 Items.

In accordance with Section 2.790 of NRC's "Rules of Practice, "Part 2, Title 10 Code of Federal Regulations, a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Should you have any questions concerning this letter, please contact us.

Sincerely,

Orig signed by Johns P. Jaudon

Johns P. Jaudon, Director
Division of Reactor Safety

Docket No. 50-302
License Nos. DPR-72

- Enclosures:
1. List of Attendees
 2. FPC Briefing Slides
 3. License Amendments and Tech Spec Changes
 4. Restart Detail Schedule

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cc w/encls:

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Nuclear Plant Operations (NA2C)
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FPC

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Distribution w/encs:

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B. Crowley, RII

G. Hopper, RII



PUBLIC

NRC Resident Inspector

U.S. Nuclear Regulatory Commission

6745 N. Tallahassee Road

Crystal River, FL 34428

OFFICE						
SIGNATURE						
NAME	L. Mellon	K. Landis				
DATE	03 / 21 / 97	03 / 21 / 97	03 / / 97	03 / / 97	03 / / 97	03 / / 97
COPY?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	YES NO	YES NO	YES NO

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DOCUMENT NAME: P:\MTSUM321.CR

LIST OF ATTENDEES

Florida Power Corporation

R. Anderson, Senior Vice President, Nuclear Operations
J. Baumstark, Director, Quality Programs
J. Cowan, Vice President Nuclear Production
F. Frando, Nuclear Regulation Specialist
B. Gutherman, Manager, Nuclear Licensing
M. Hendrix, Senior Public Relations Coordinator
B. Hickie, Director, Nuclear Plant Operations
J. Holden, Director Engineering
D. Kunsemiller, Director, Site Support
W. Lancaster, Public Relations and Marketing Manager
R. Maughan, Department Support Administrator
J. Maseda, Manager, Nuclear Engineering Programs
J. McGee, Senior Counsel
D. Miskiewicz, Senior Nuclear Safety Analysis
M. Myers, Manager, Investor Relations
M. Pombior, Training
J. Ranalli, Engineering Restart Manager
W. Rossfeld, Manager, Regulatory Assurance
F. Sullivan, Manager, Nuclear Operations Engineering
J. Terry, Manager, Nuclear Engineering Programs
R. Widell, Director, Nuclear Operations Training

FPSC

J. Breman, Engineer

FTI

R. Fennin, FTI Resident

MPR

A. Zarechnak, System Readiness Manager

BCP Technical Services Inc

G. Nott

Seminole Electric

K. Bachor, Manager of Engineering
J. Twitchell, Director of Operations

NUS Information Services Inc.

R. Colthorpe

Nuclear Regulatory Commission

S. Cahill, Senior Resident Inspector, Crystal River
C. Christensen, Chief, Engineering Branch
T. Cooper, Resident Inspector, Crystal River
F. Hebdon, Director II-3, Office Of Nuclear Reactor Regulations (NRR)
J. Jaudon, Director, Division of Reactor Safety
K. Landis, Chief, Branch 3, Division of Reactor Projects
L. Raghavan, Project Manager, Project Directorate II-1, NRR
L. Reyes, Regional Administrator
R. Schin, Reactor Inspector, Engineering Branch

Public

J. Brendel, Analyst SILCAP
G. Burbank
W. Enyard, Business Manager, IBEW System Council U-8
D. Fields
Z. Schreiber, Analyst, SILCAP

Members of the News Media



FLORIDA POWER CORPORATION CRYSTAL RIVER UNIT 3

NRC RESTART PANEL MEETING MARCH 21, 1997





AGENDA

- | | |
|---------------------------------|-------------|
| • Opening Remarks | Anderson |
| • Restart Status | Cowan |
| • Performance Indicators | Hickle |
| • Resolution of Design Issues | Holden |
| • System Readiness Review | Terry |
| • Resolution of Emergent Issues | Baumstark |
| • MCAP II Update | Baumstark |
| • Closure of MC 0350 Items | Kunsemiller |
| • Concluding Statements | Anderson |



Confirmatory Action Letter

- Design issues identified in FPC letter dated 10/28/96
- Extent of Condition Reviews
- Resolution of Safety and Licensing Issues
- Regional Administrator Concurrence for Mode 2



Three-Phase Approach

- Readiness for Restart
- Startup and Power Ascension
- Long Term Improvement Plan



Elements of Each Phase

- System Readiness
- Organizational Readiness
- Operational Readiness
- Regulatory Readiness
- Communications Plan



Readiness for Restart

- Reflected in Current Schedule of Activities
- Prepares Plant for Mode 2
- Satisfactory Progress on MCAP Items



Startup and Power Ascension

- Deliberate and Controlled Process
- Hold Points for Status Review
- Completion of Required Testing
- Limited Corrective Maintenance

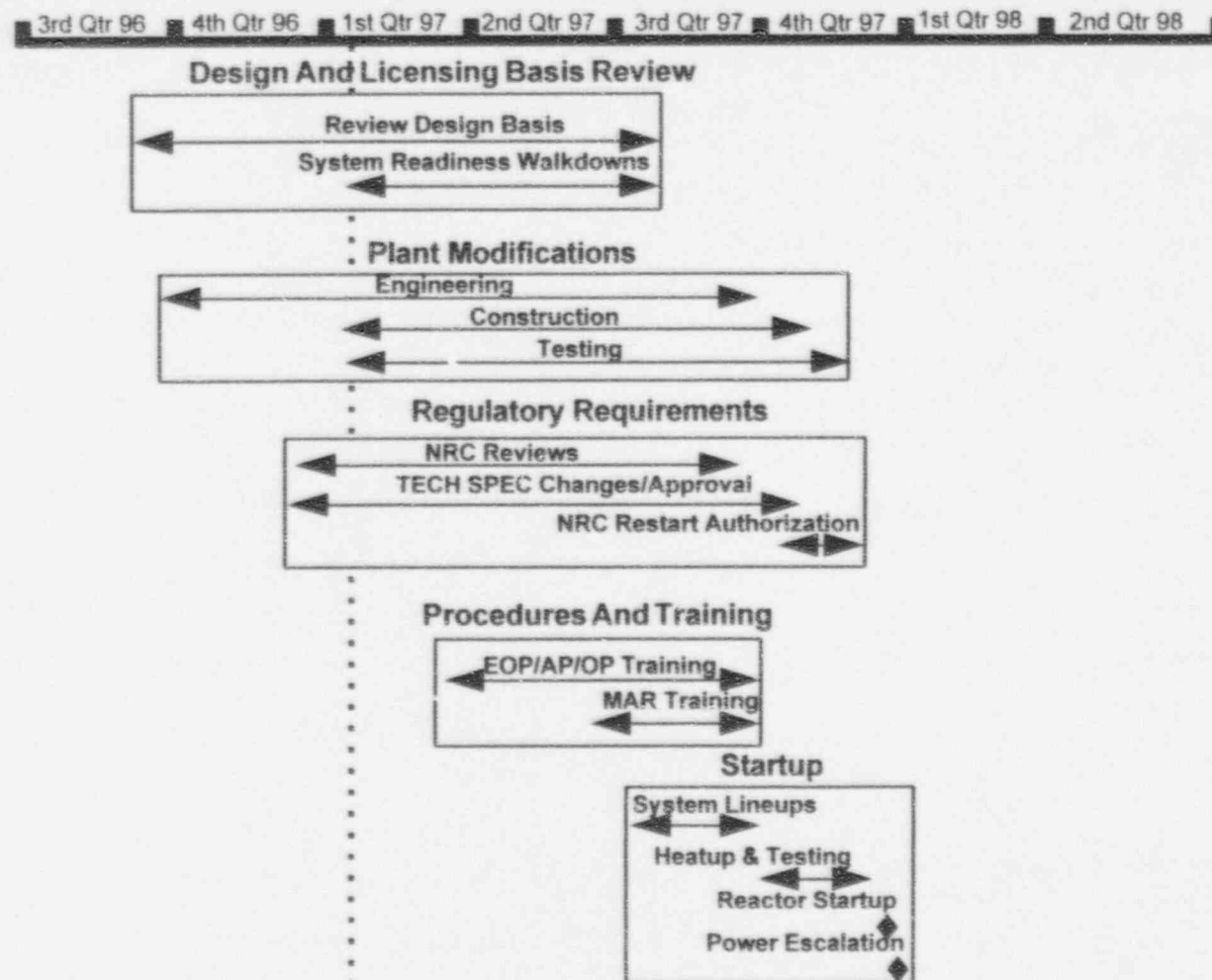


Long Term Improvement Plan

- Incorporate MCAP Principles into Business Plans
- Complete Remaining Open MCAP II Items
- Long Term Business Planning

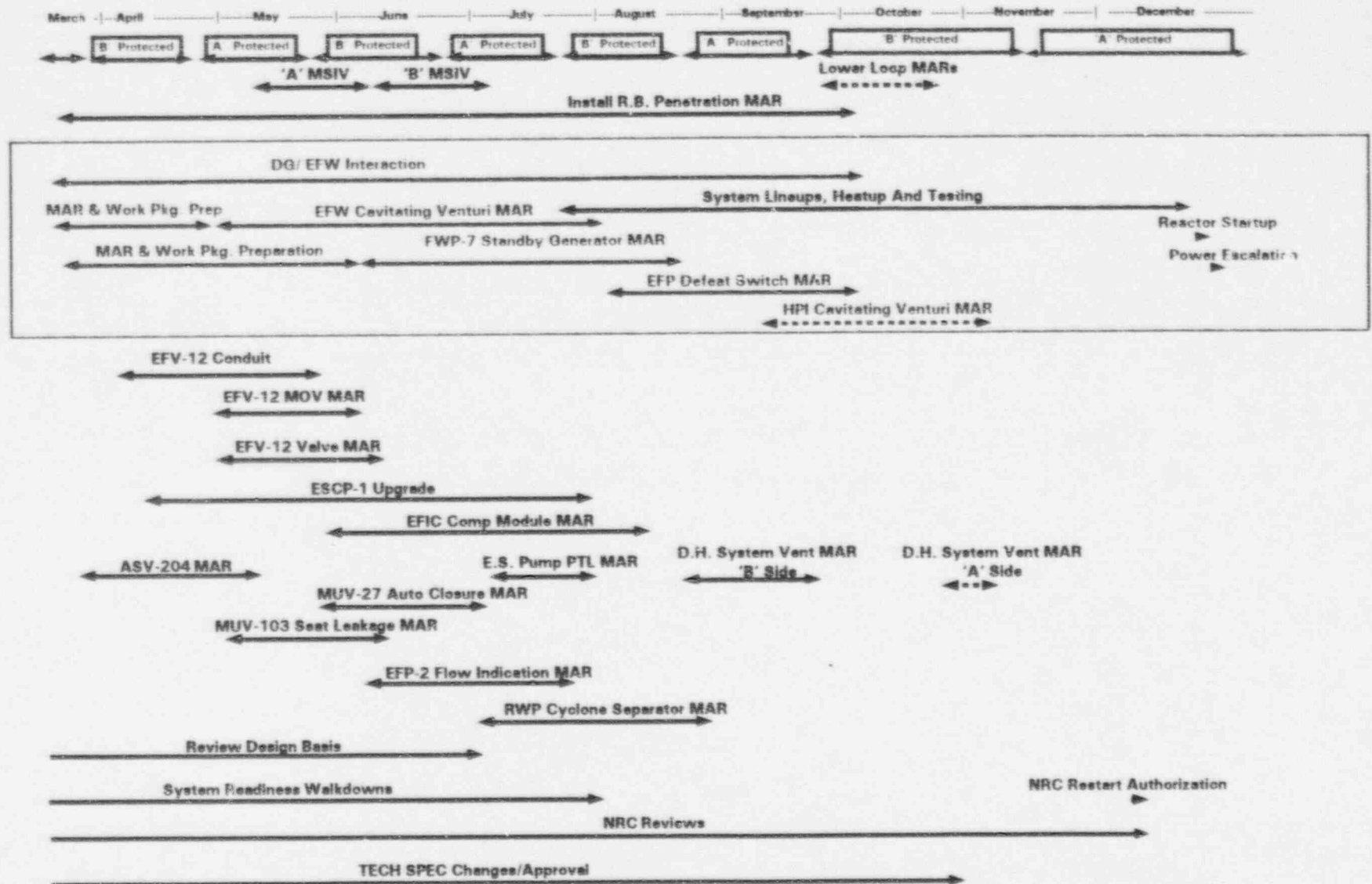


Restart Schedule



Modifications

Crystal River Unit #3 Restart Plan





Performance Indicators

- Organizational Readiness
- System Readiness
- Operations Readiness
- Regulatory Readiness
- Communications Readiness

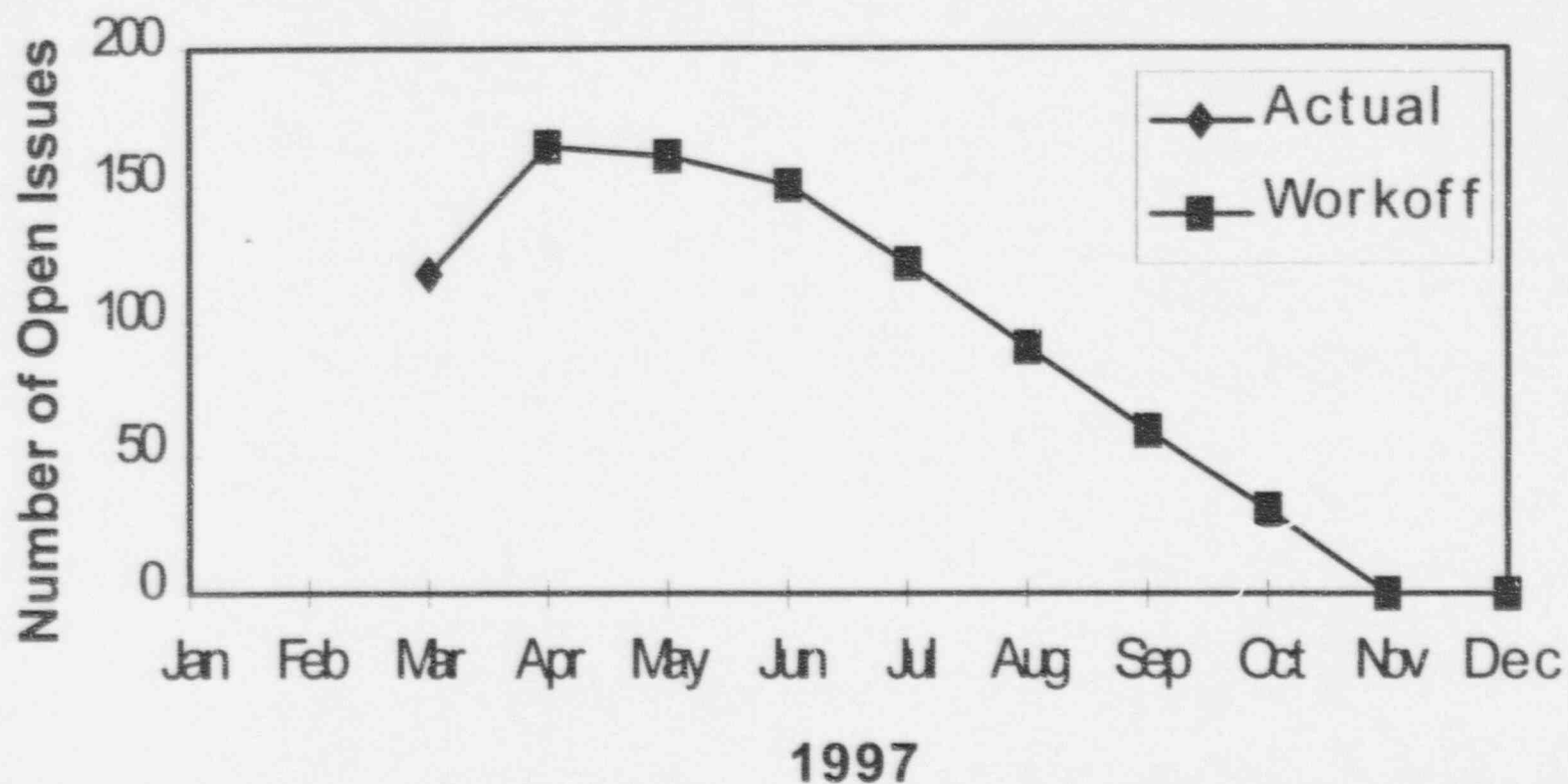


Performance Indicators Organizational Readiness

- Restart Issue Closure
- MCAP II Restart Item Closure
- Self Identified Precursors
- Open Precursors
- “A” and “B” Precursor Recurrence
- Violation History



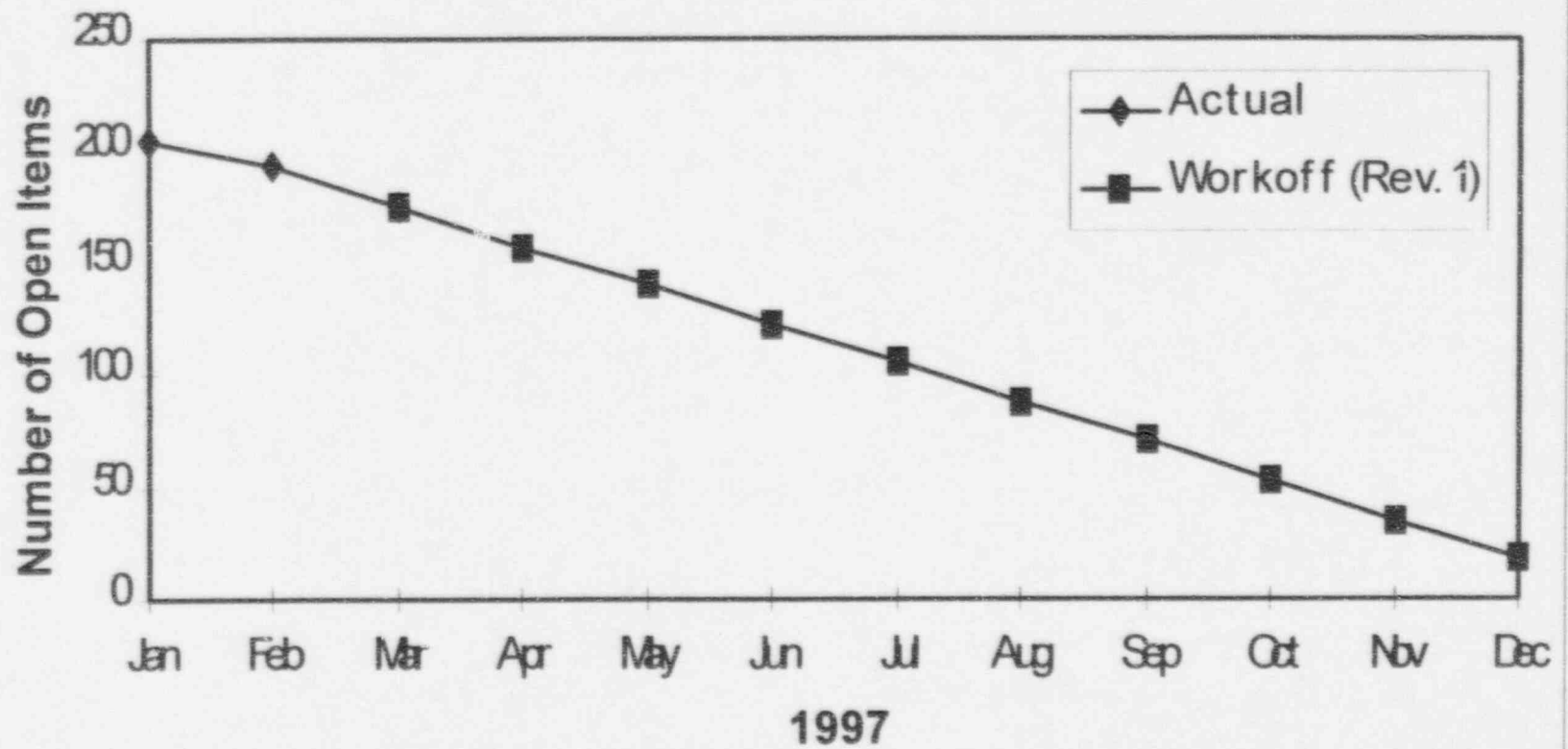
Organizational Readiness Restart Issue Closure





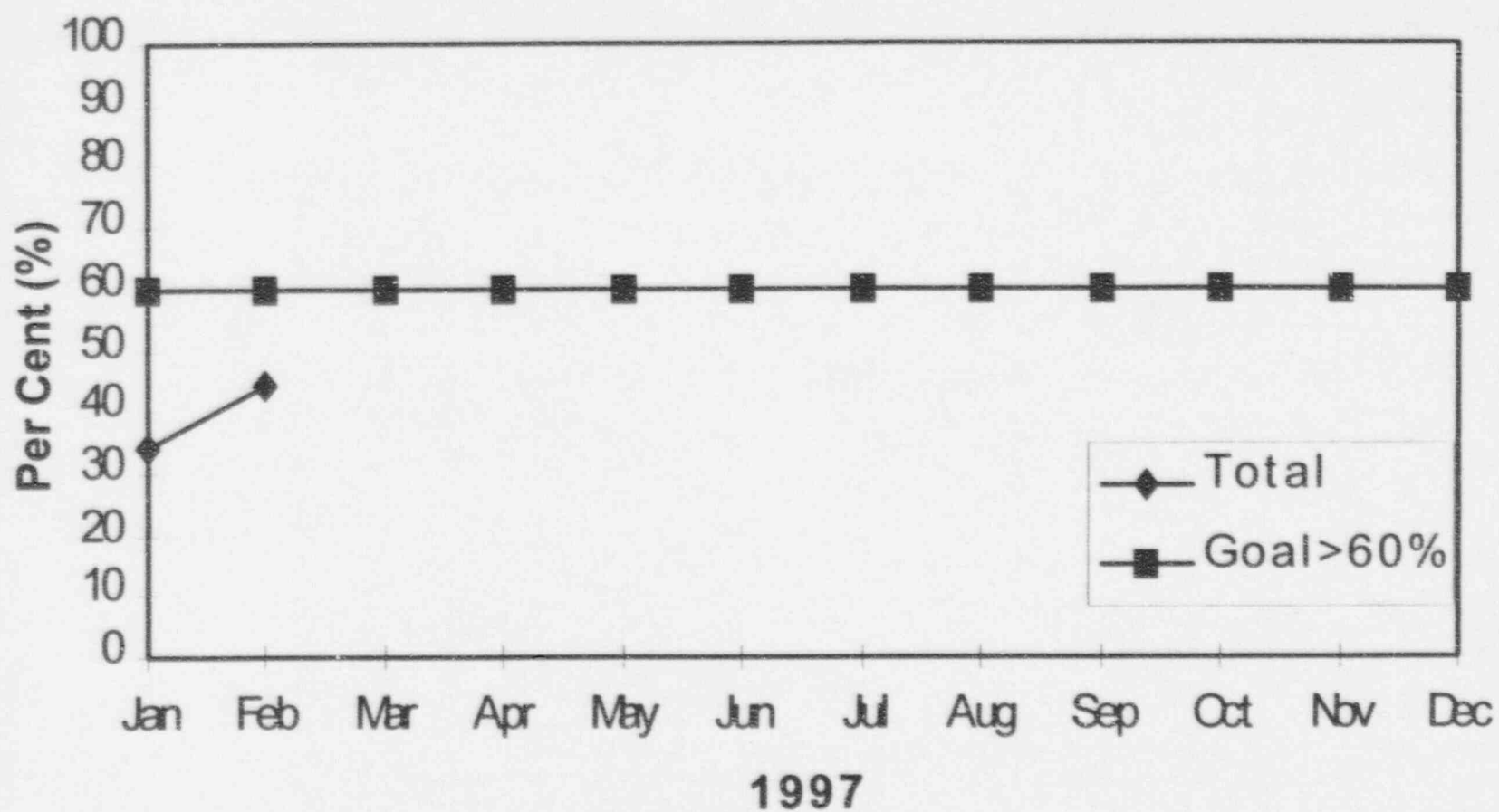
Organizational Readiness MCAP II Restart Item Closure

Goal is to Demonstrate Progress



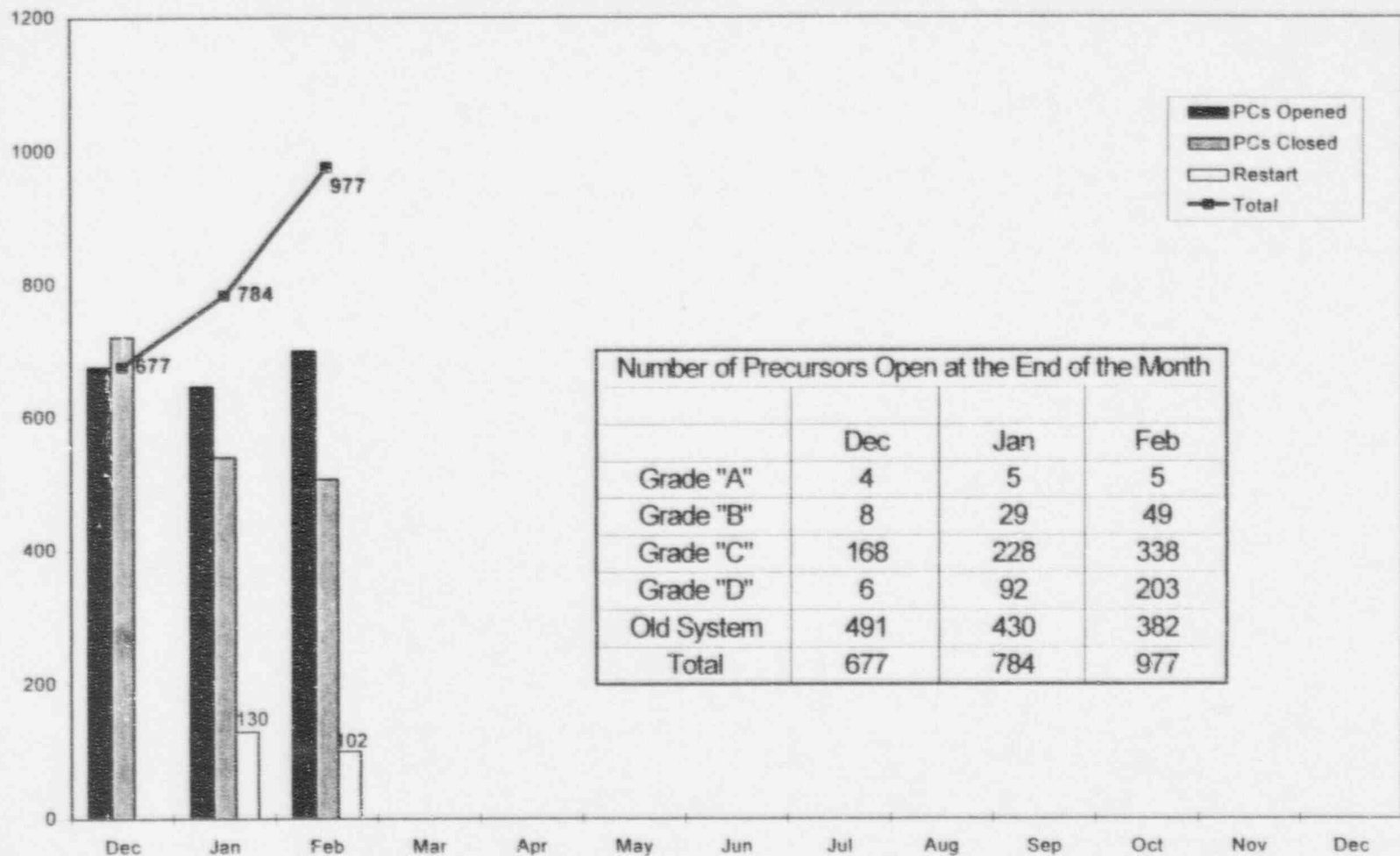


Organizational Readiness Self Identified Precursors



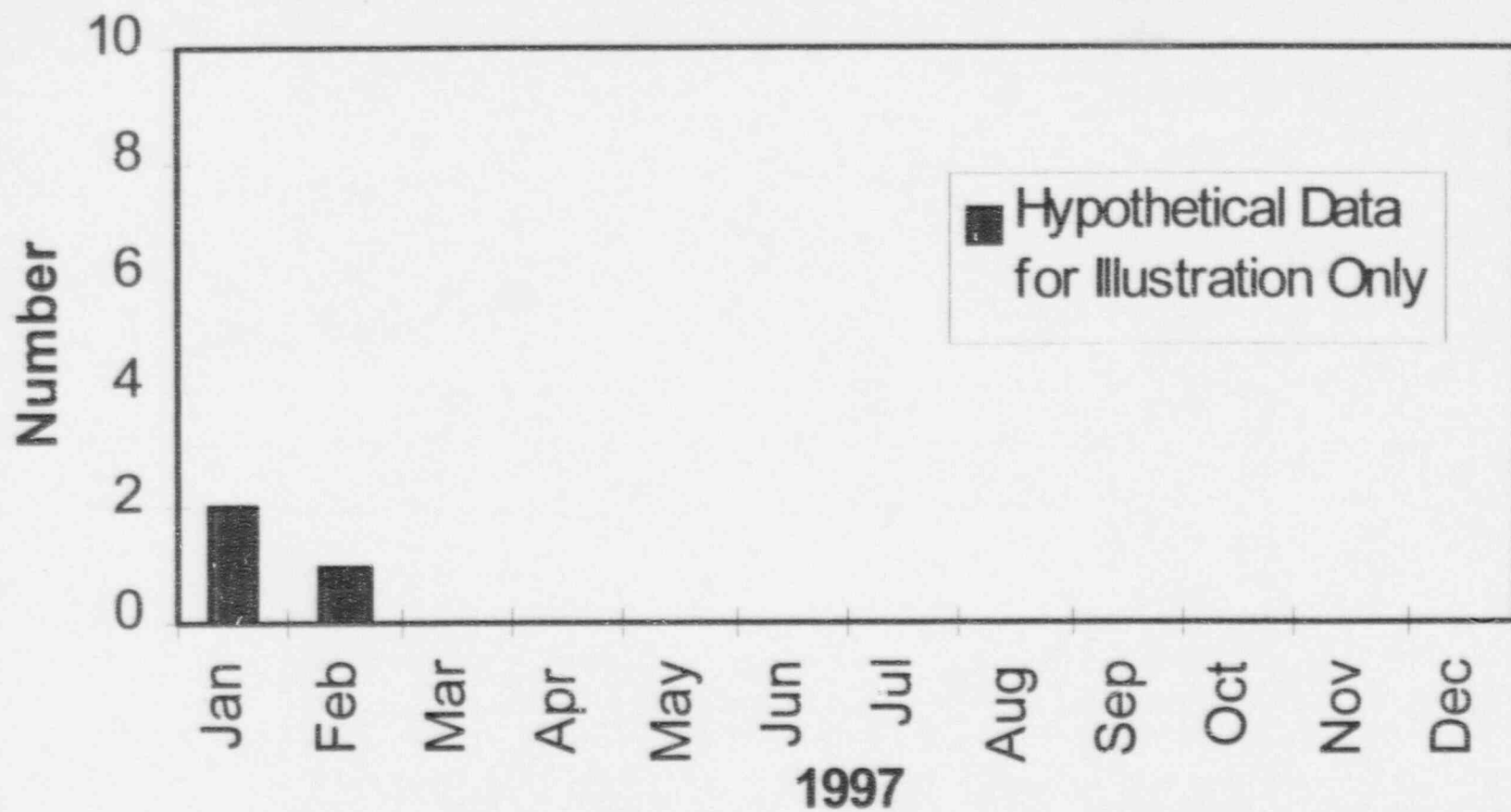


Total Number of Open Precursors



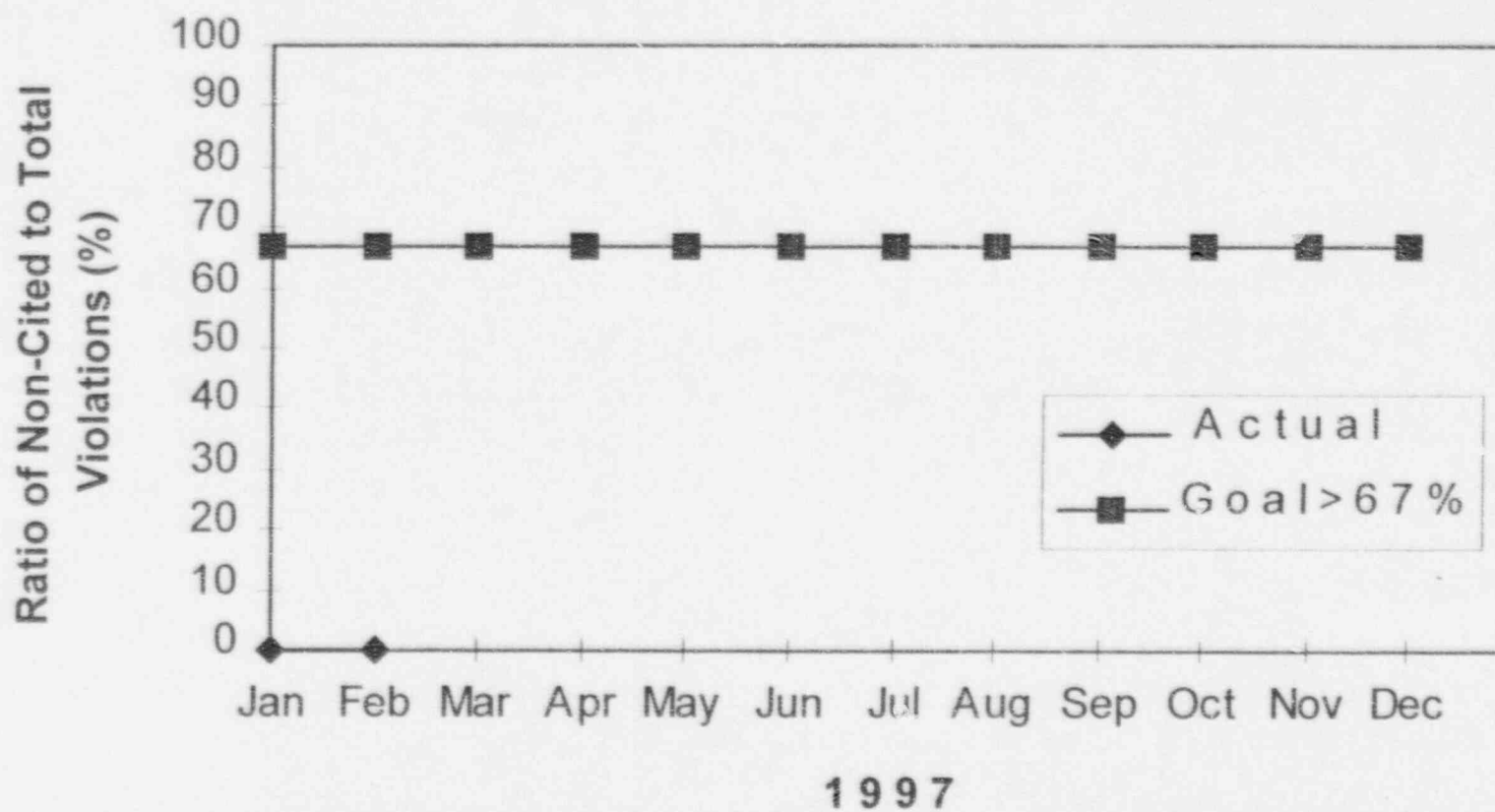


Organizational Readiness “A” and “B” Precursor Recurrence





Organizational Readiness Violation History



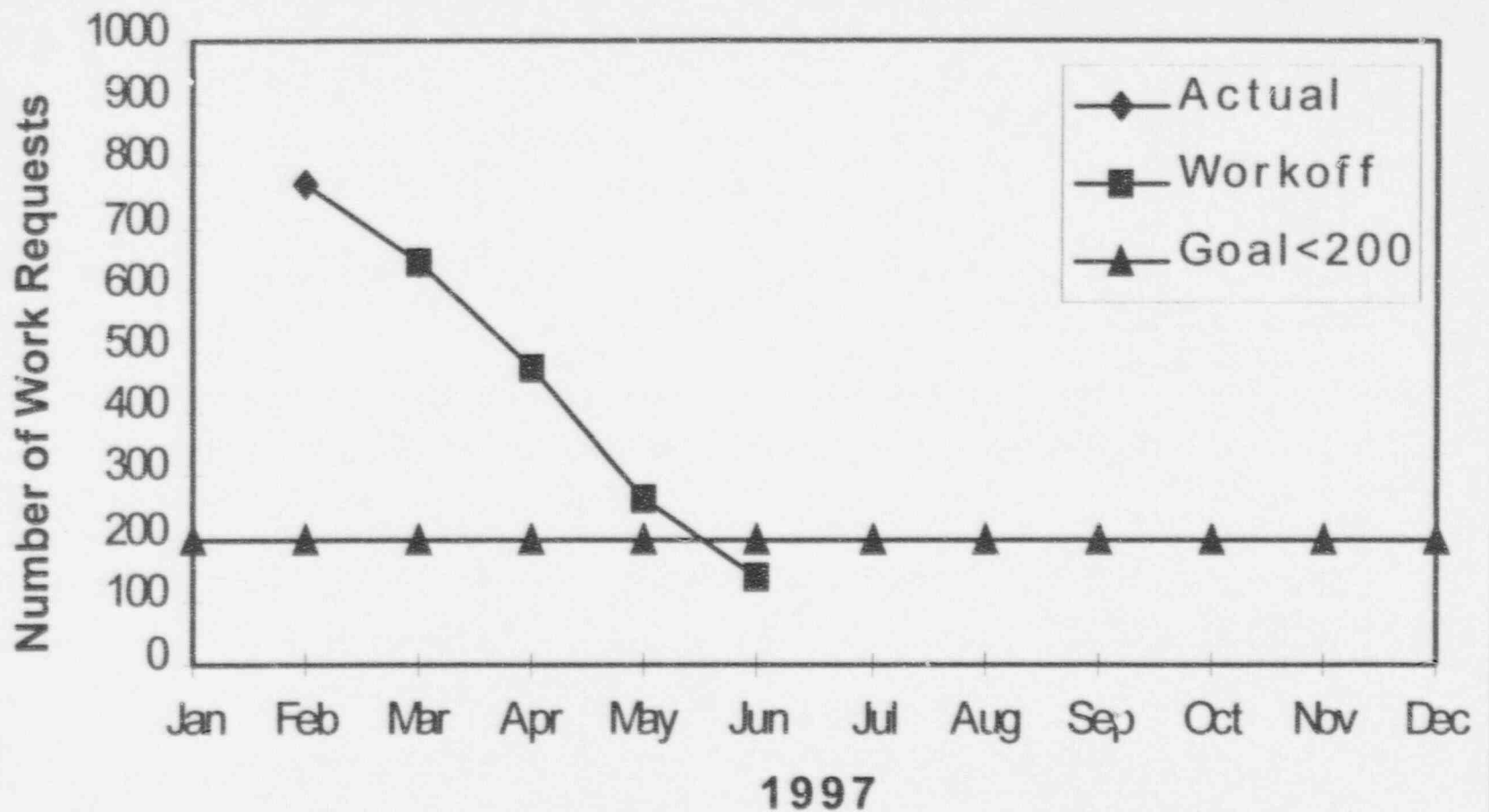


Performance Indicators System Readiness

- Corrective Maintenance
- Temporary Modifications
- Systems Accepted by Operations
- Requests for Engineering Assistance
- Restart Modifications

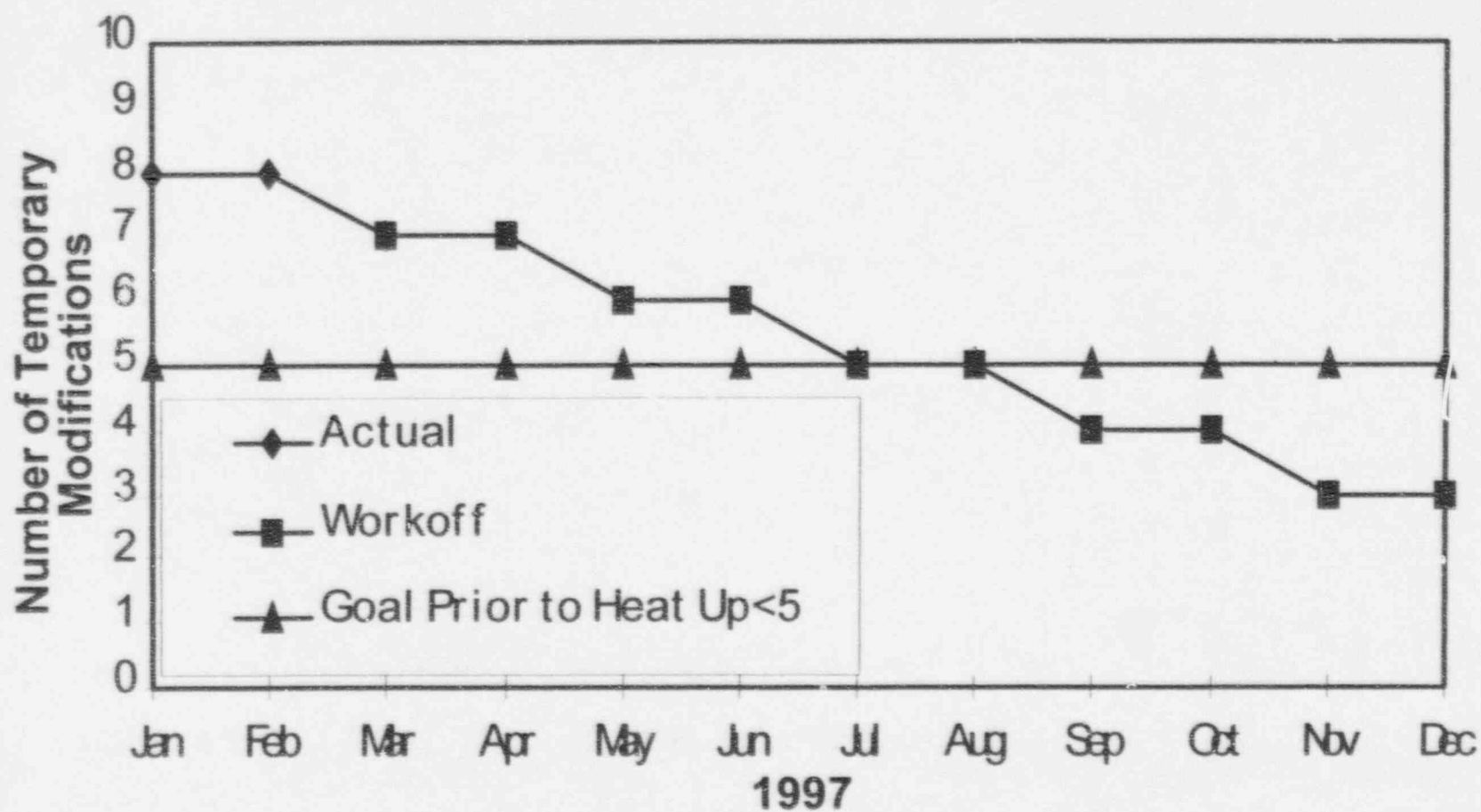


System Readiness Corrective Maintenance



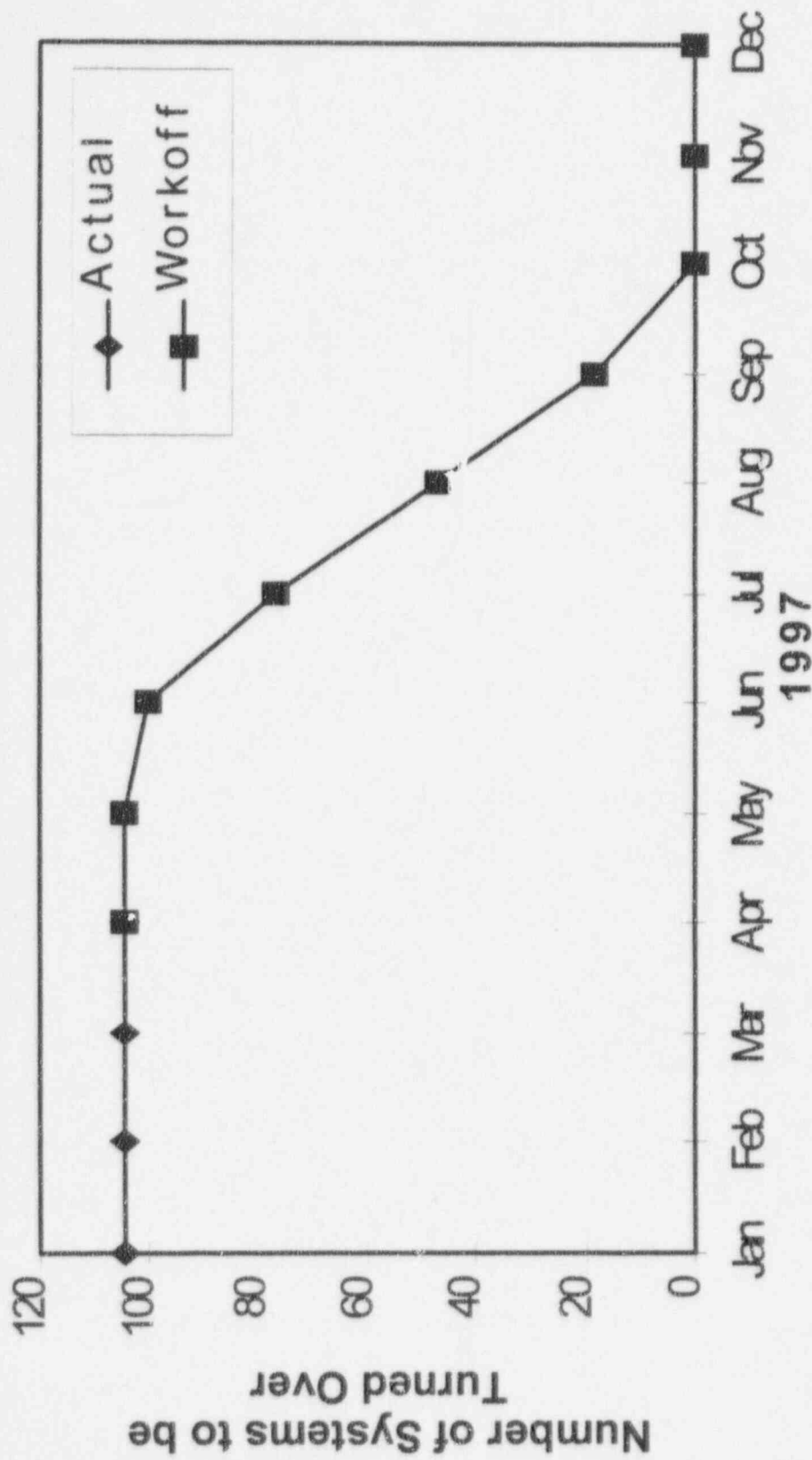


System Readiness Temporary Modifications



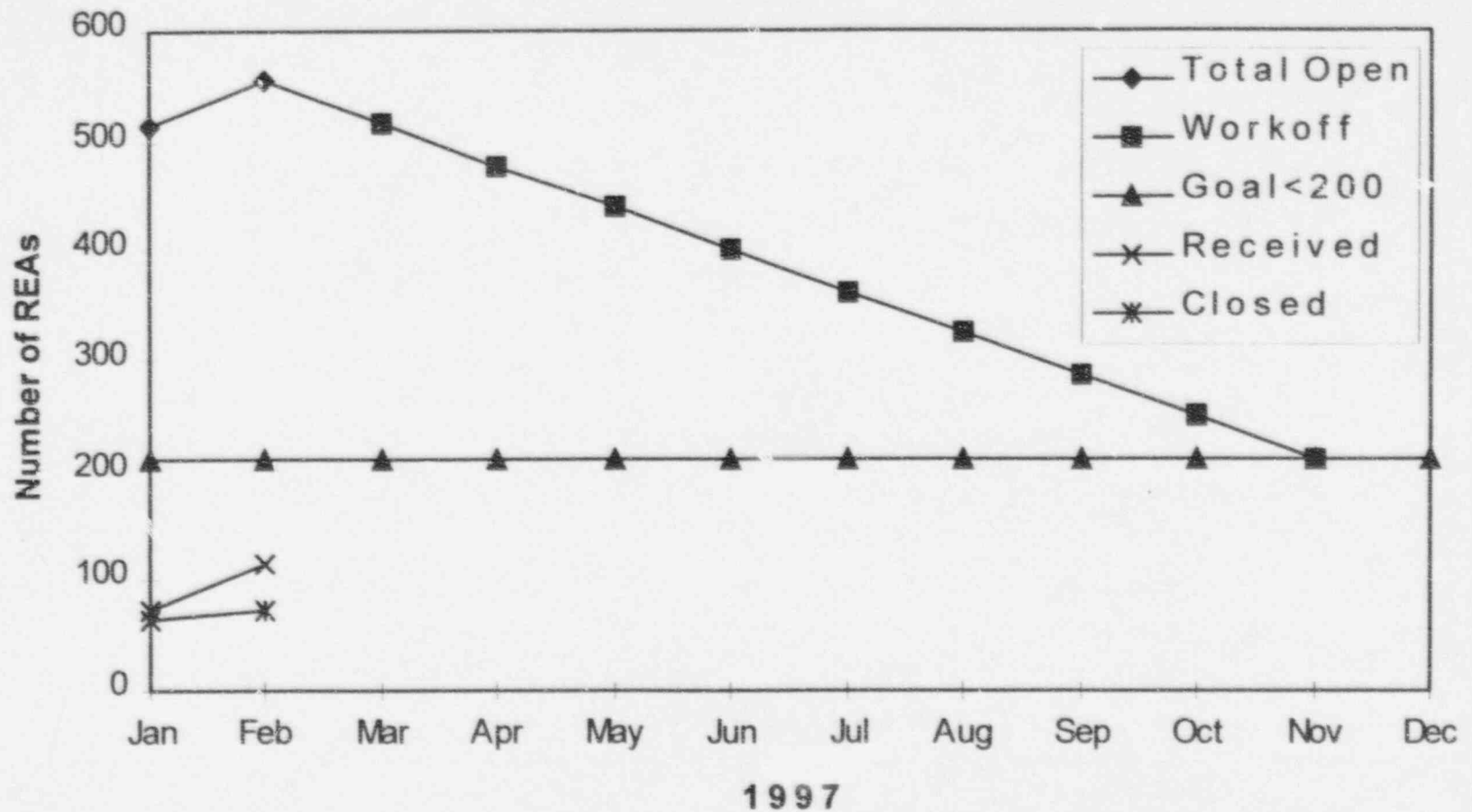


System Readiness System Acceptance by Operations



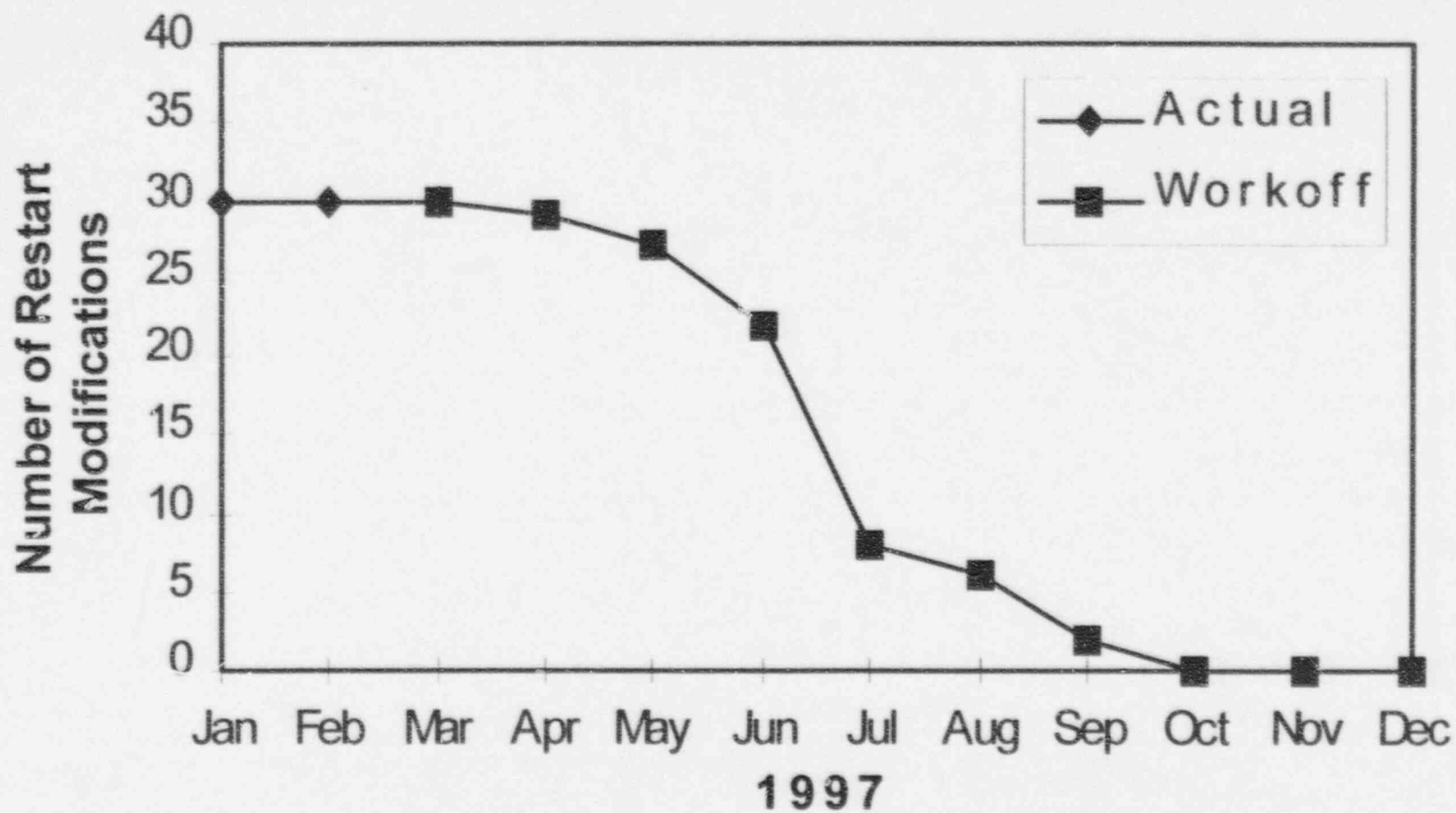


System Readiness Requests for Engineering Assistance





System Readiness Restart Modifications



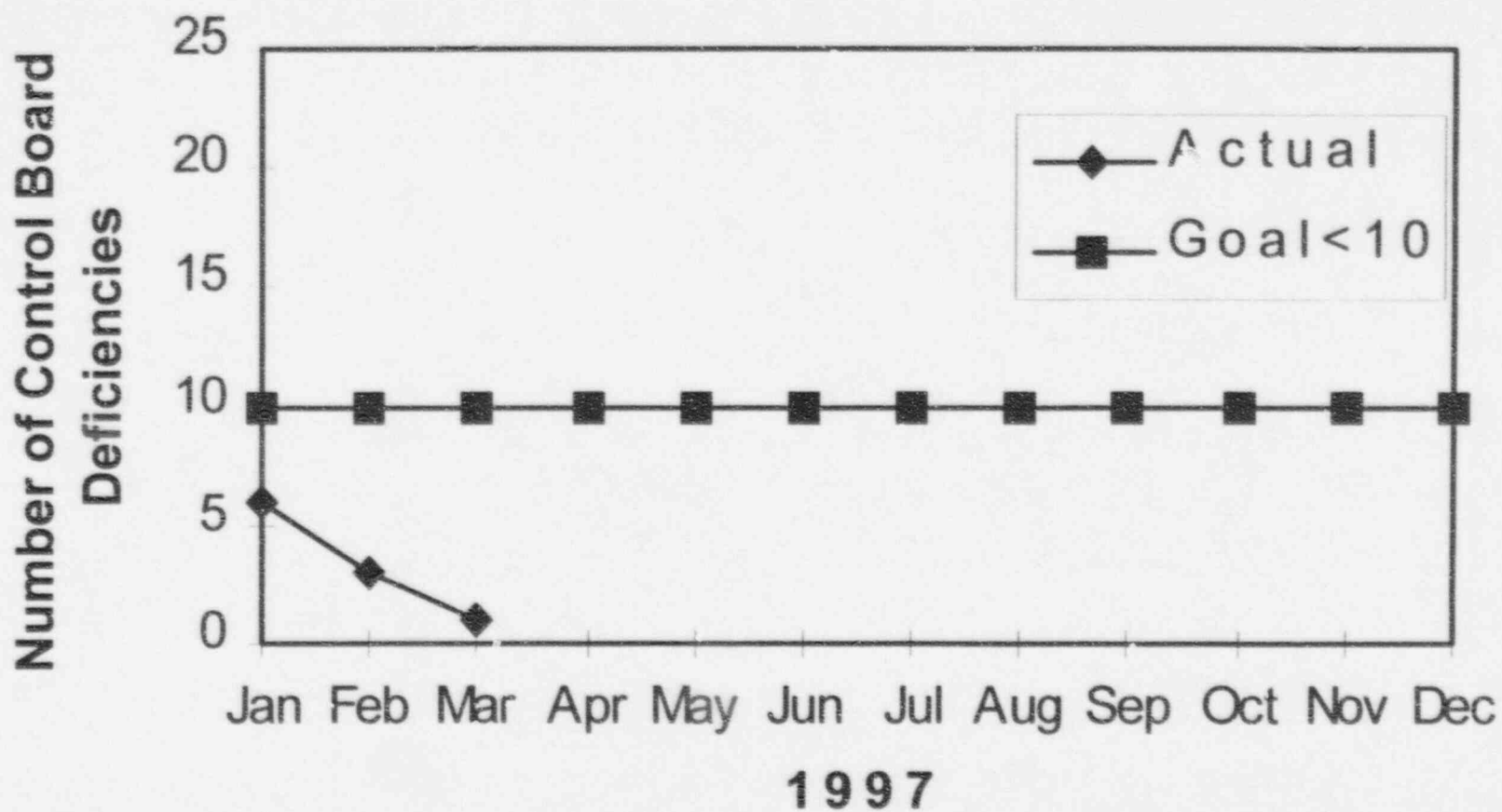


Performance Indicators Operations Readiness

- Control Board Deficiencies
- Operator Work Arounds
- Operating Procedure Changes
- Emergency Operating Procedure Changes
- Abnormal Procedure Changes

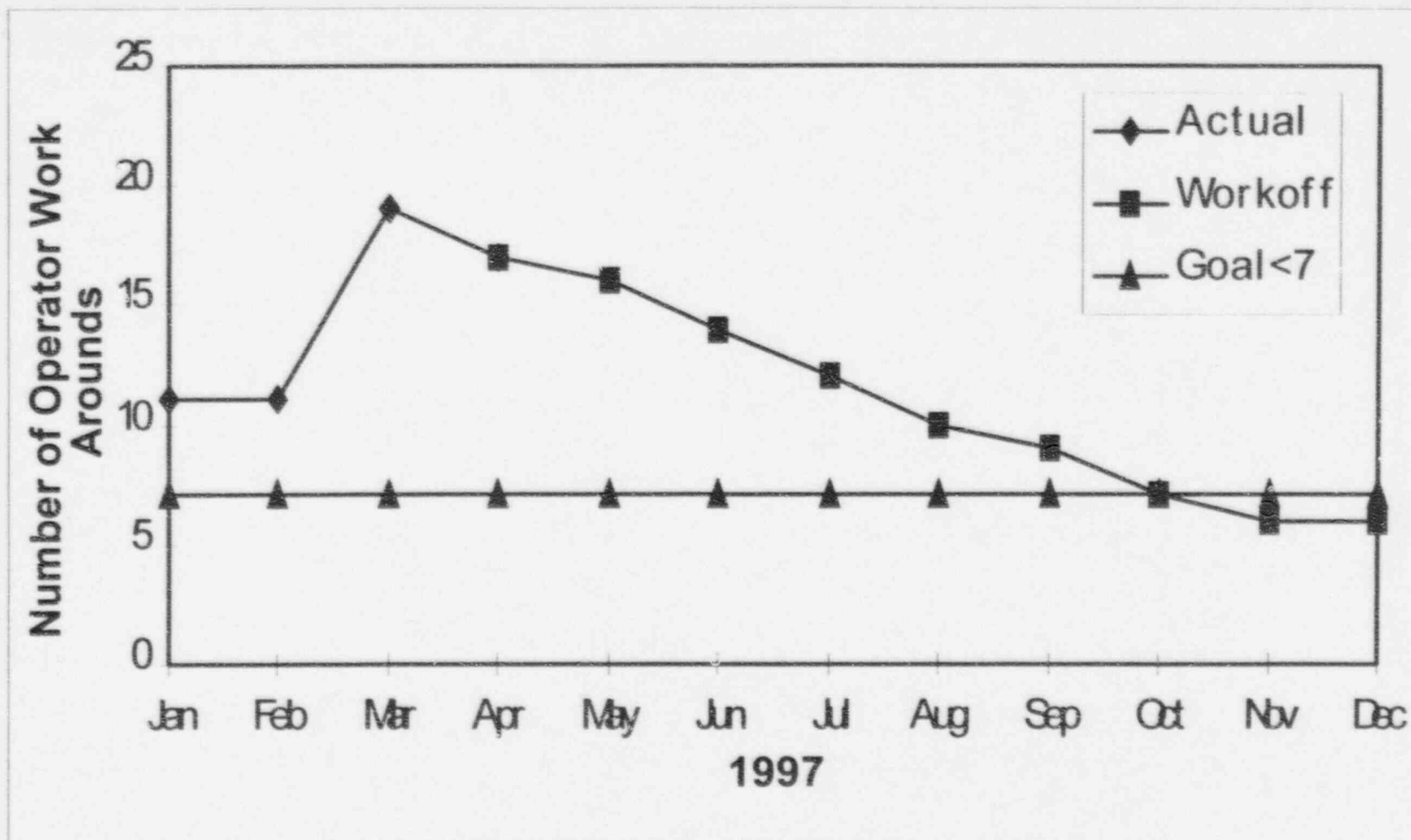


Operations Readiness Control Board Deficiencies



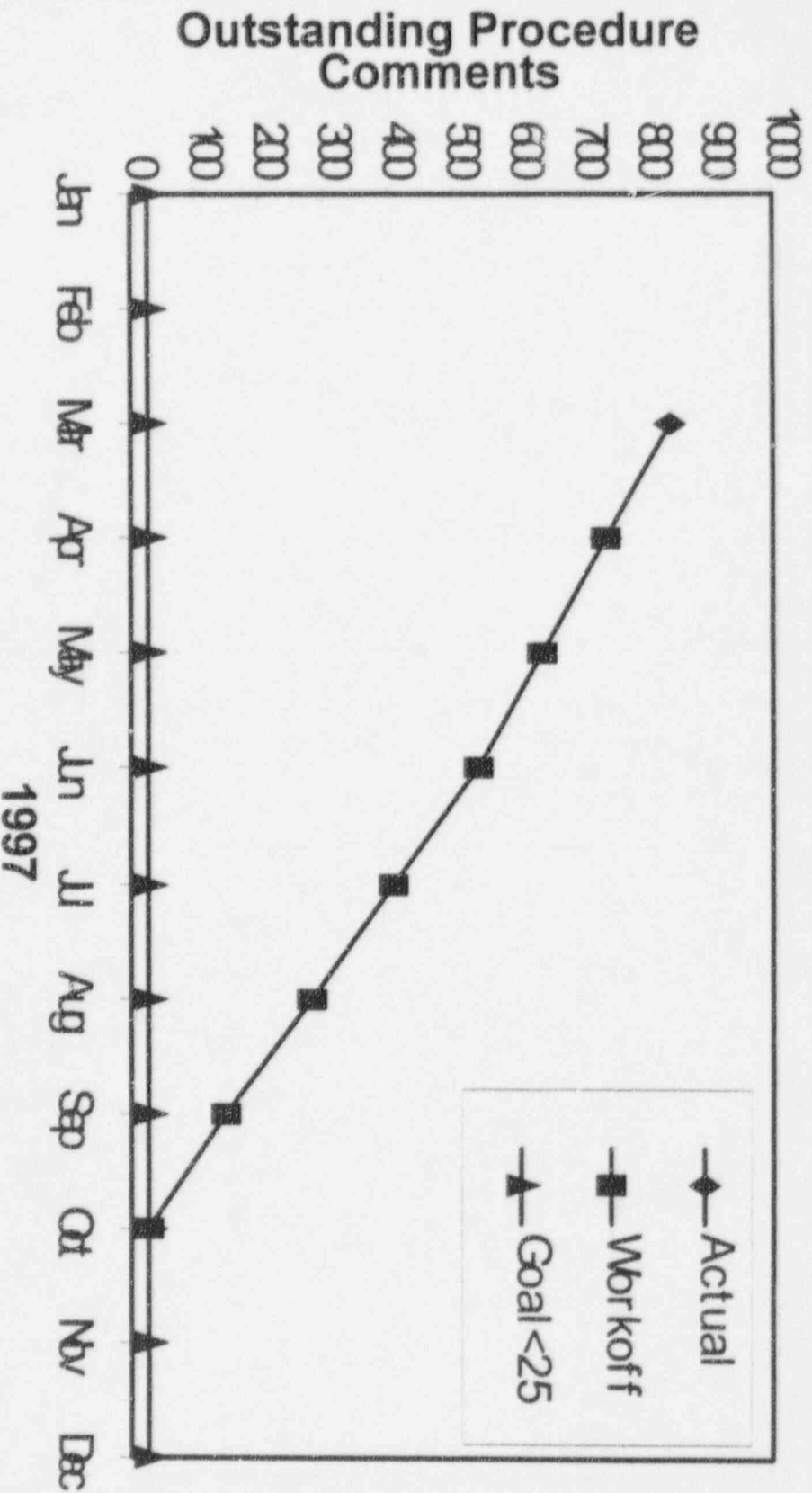


Operations Readiness Operator Work Arounds



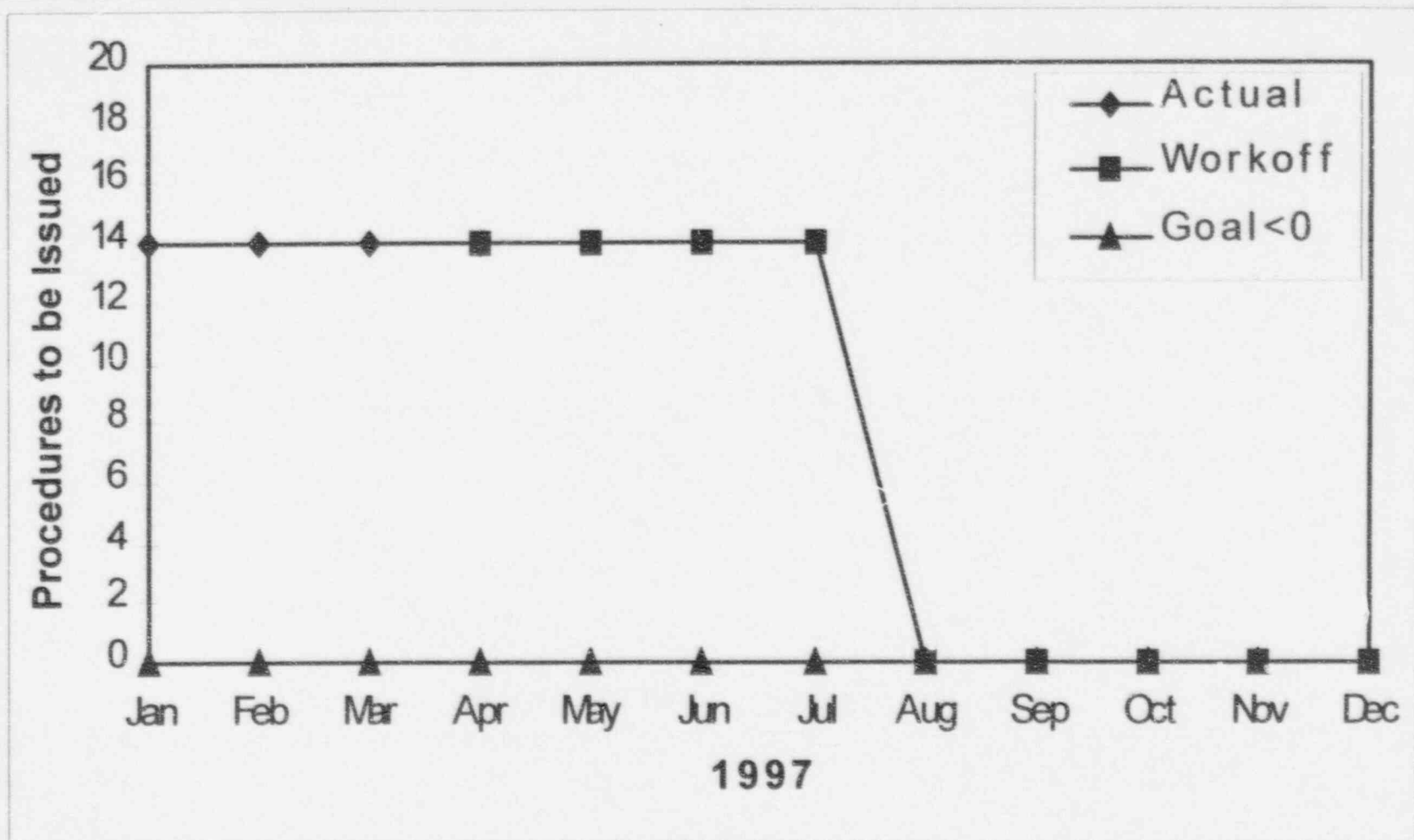


Operations Readiness Operating Procedures



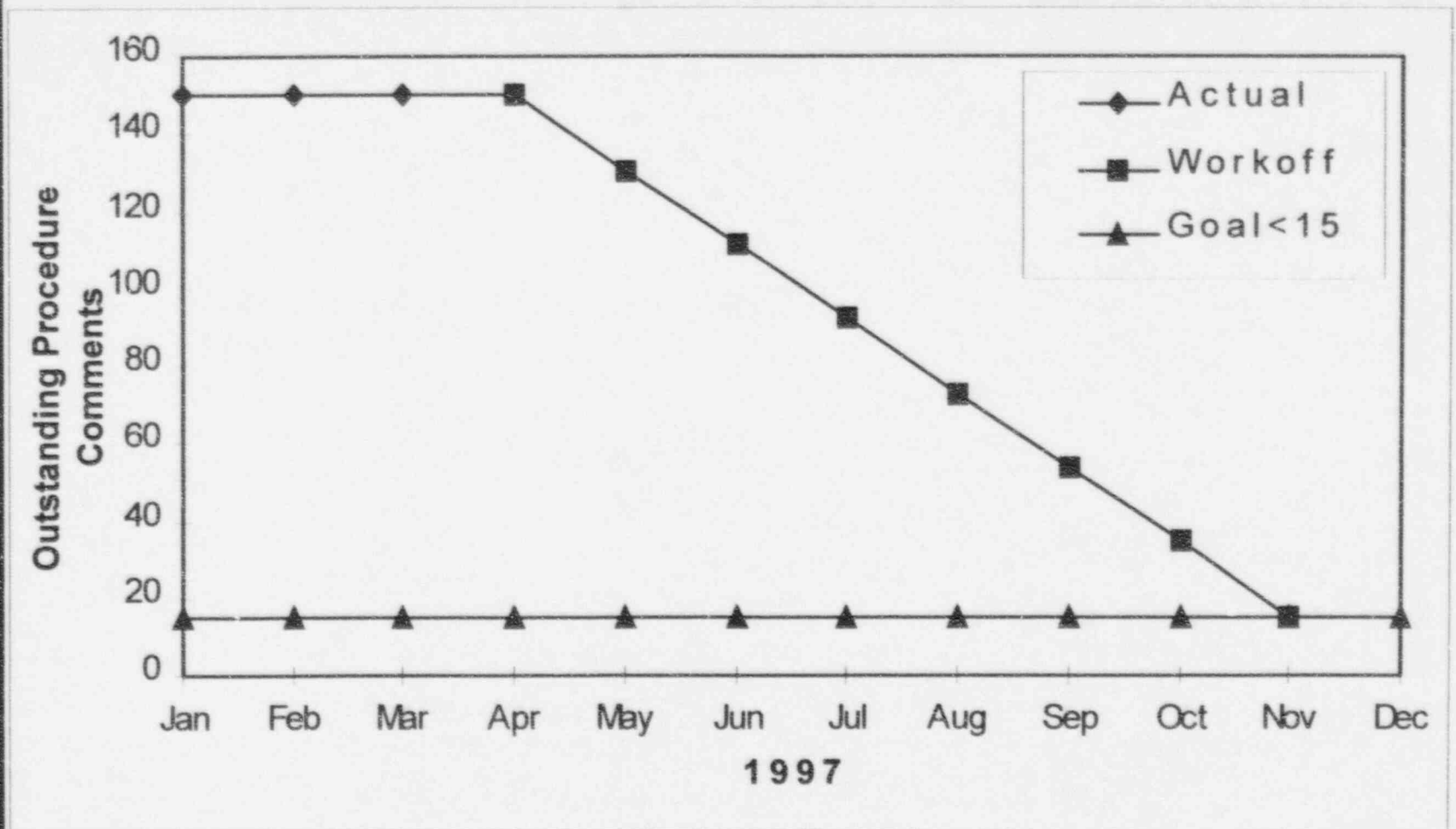


Operations Readiness Emergency Operating Procedures





Operations Readiness Abnormal Procedures



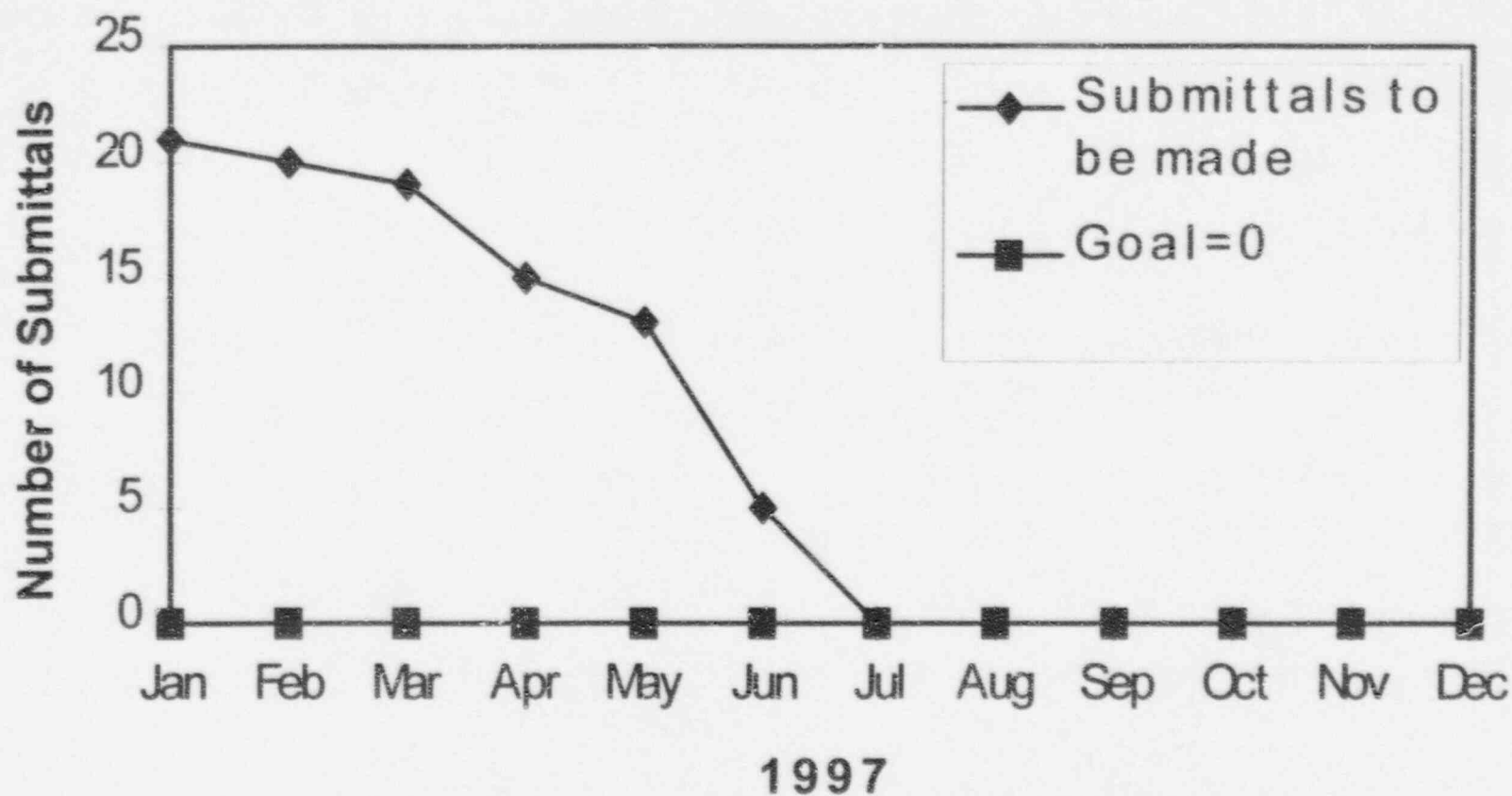


Performance Indicators Regulatory Readiness

- License Amendments and Tech Spec Submittals
- Other NRC Restart Submittals
- Submittal Quality (under development)
- Total Commitments

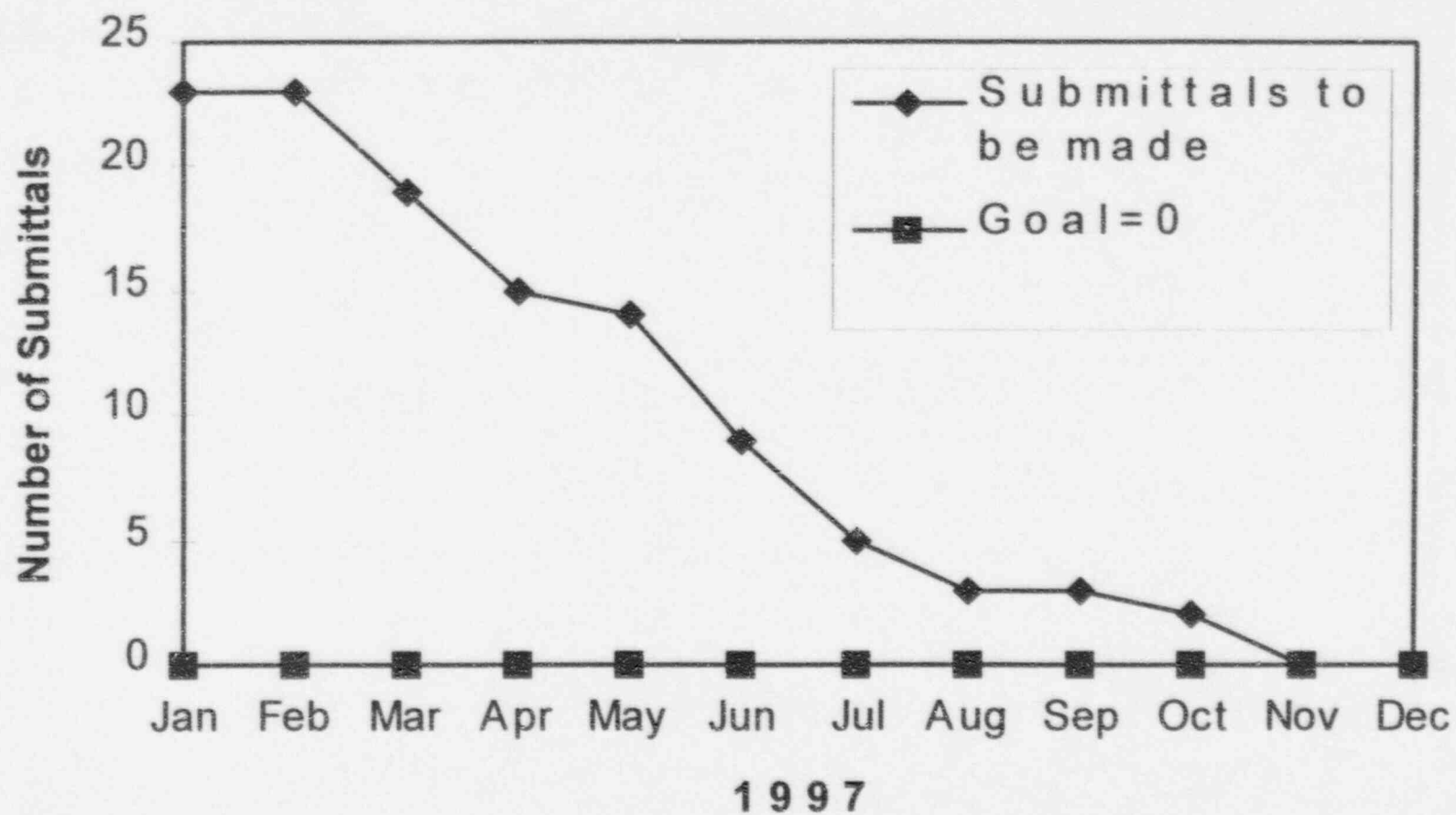


License Amendments and Tech Spec Submittals



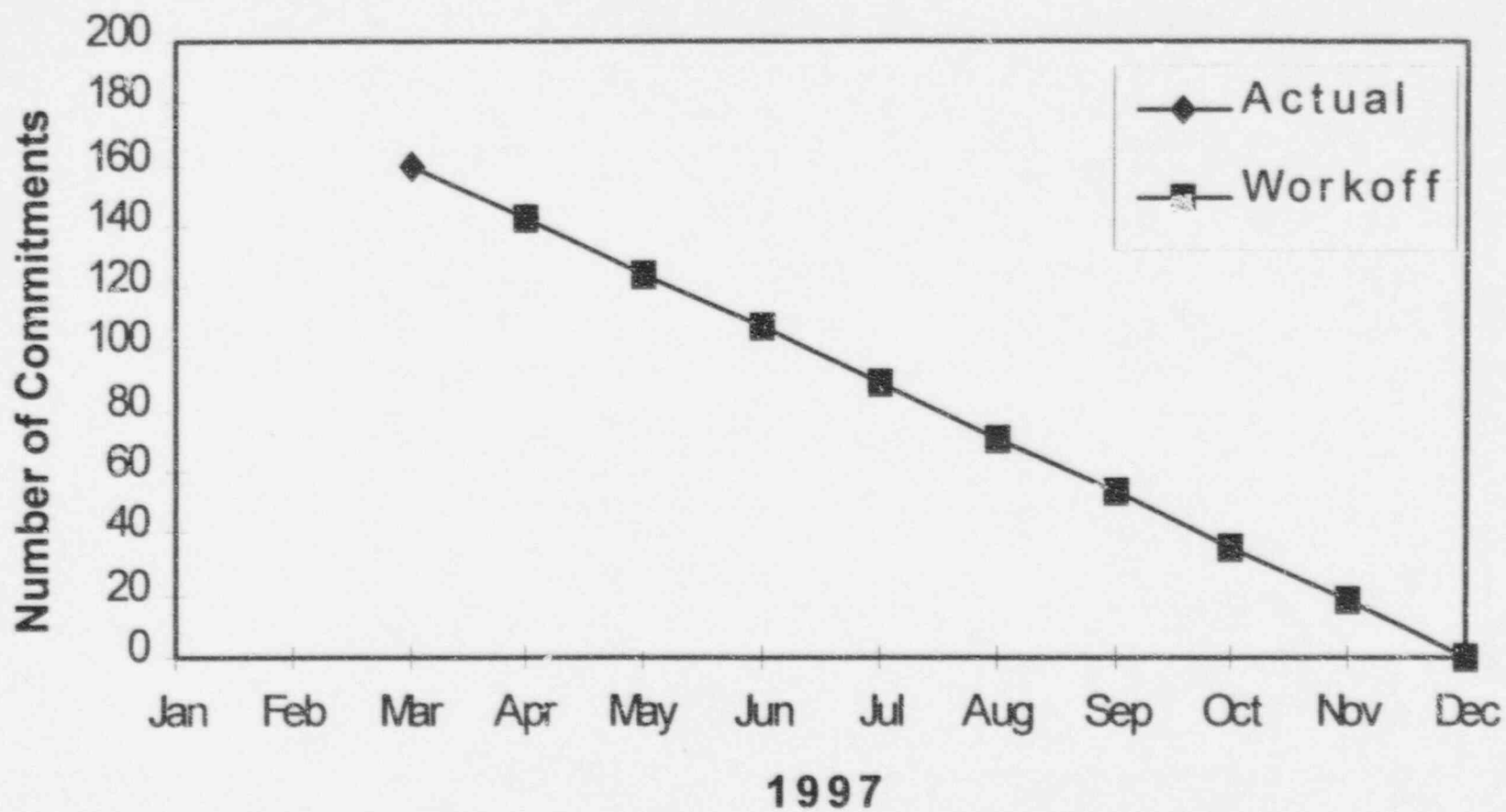


Other NRC Restart Submittals





Regulatory Readiness Total Commitments





Performance Indicators Communications Readiness

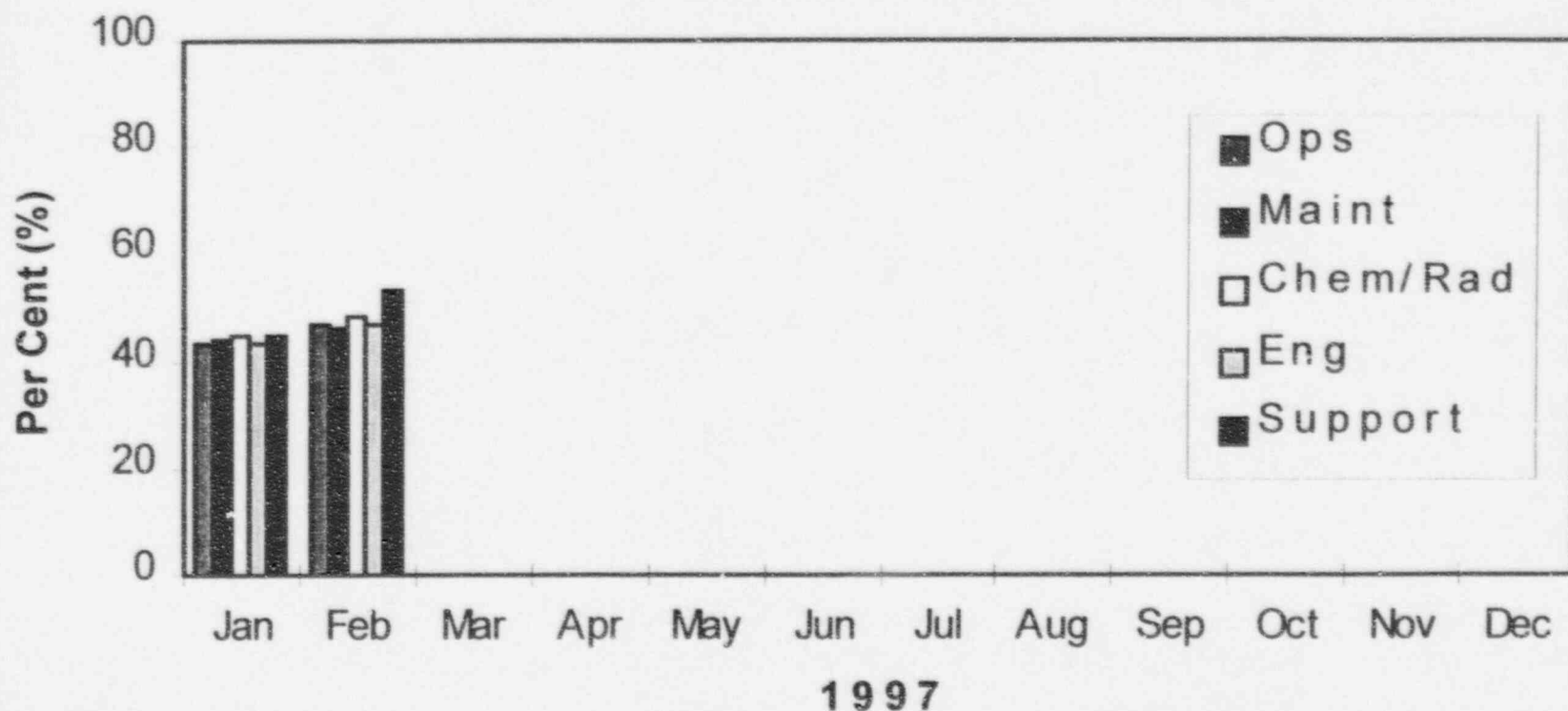
– Organizational Communications Effectiveness



Communications Readiness

Organizational Communications Effectiveness

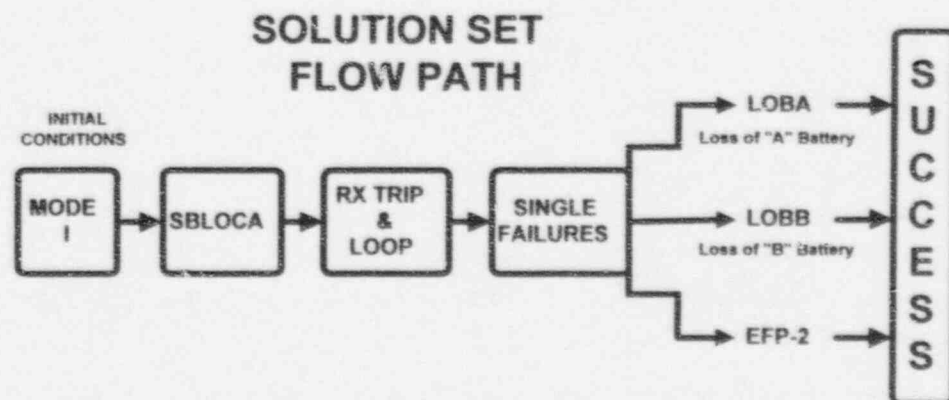
Hypothetical Data for Illustration Only
Goal is an Improving Trend





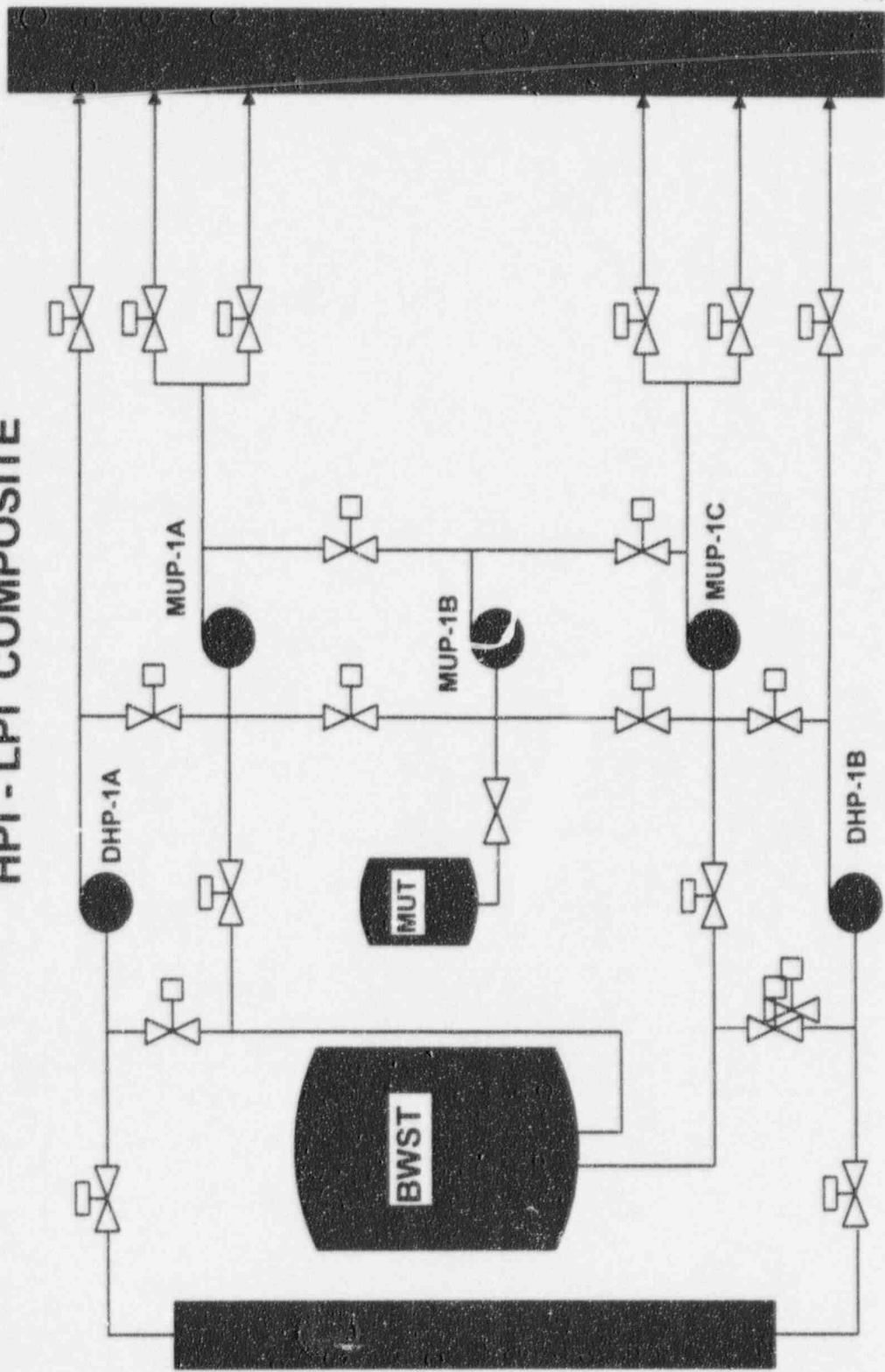
CR-3 STARTUP TEAM

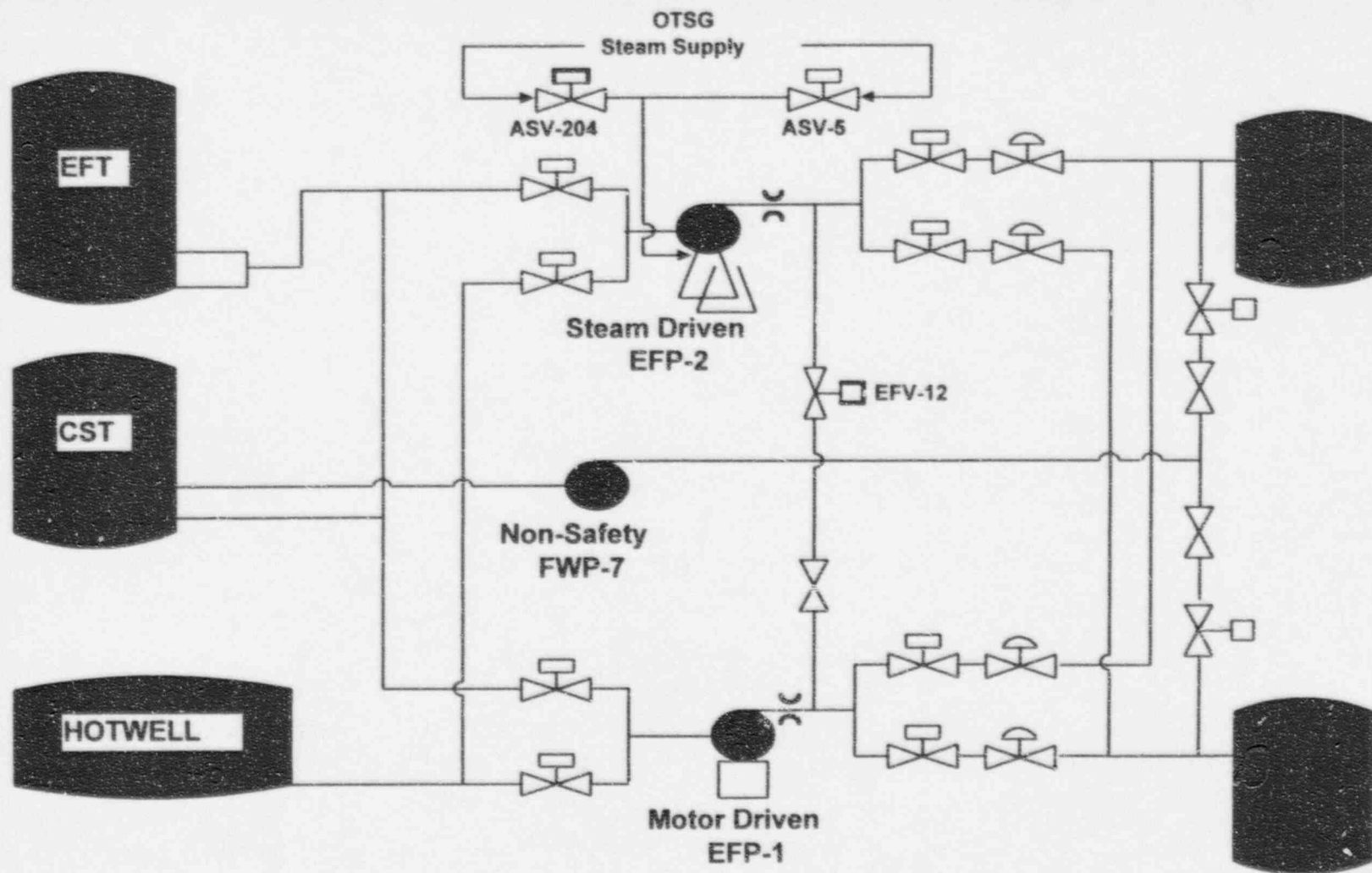
SOLUTION SET PRESENTATION





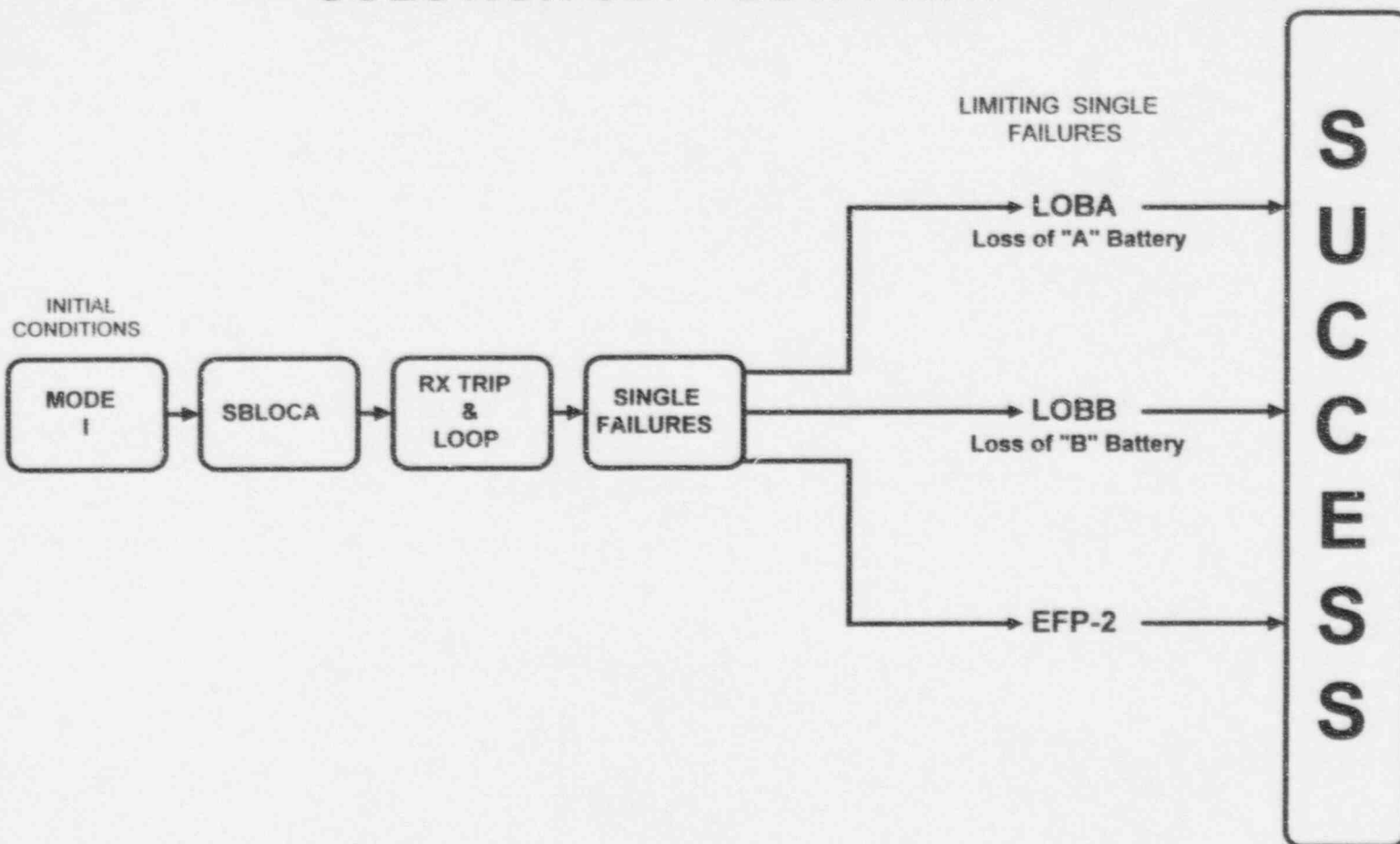
HPI - LPI COMPOSITE







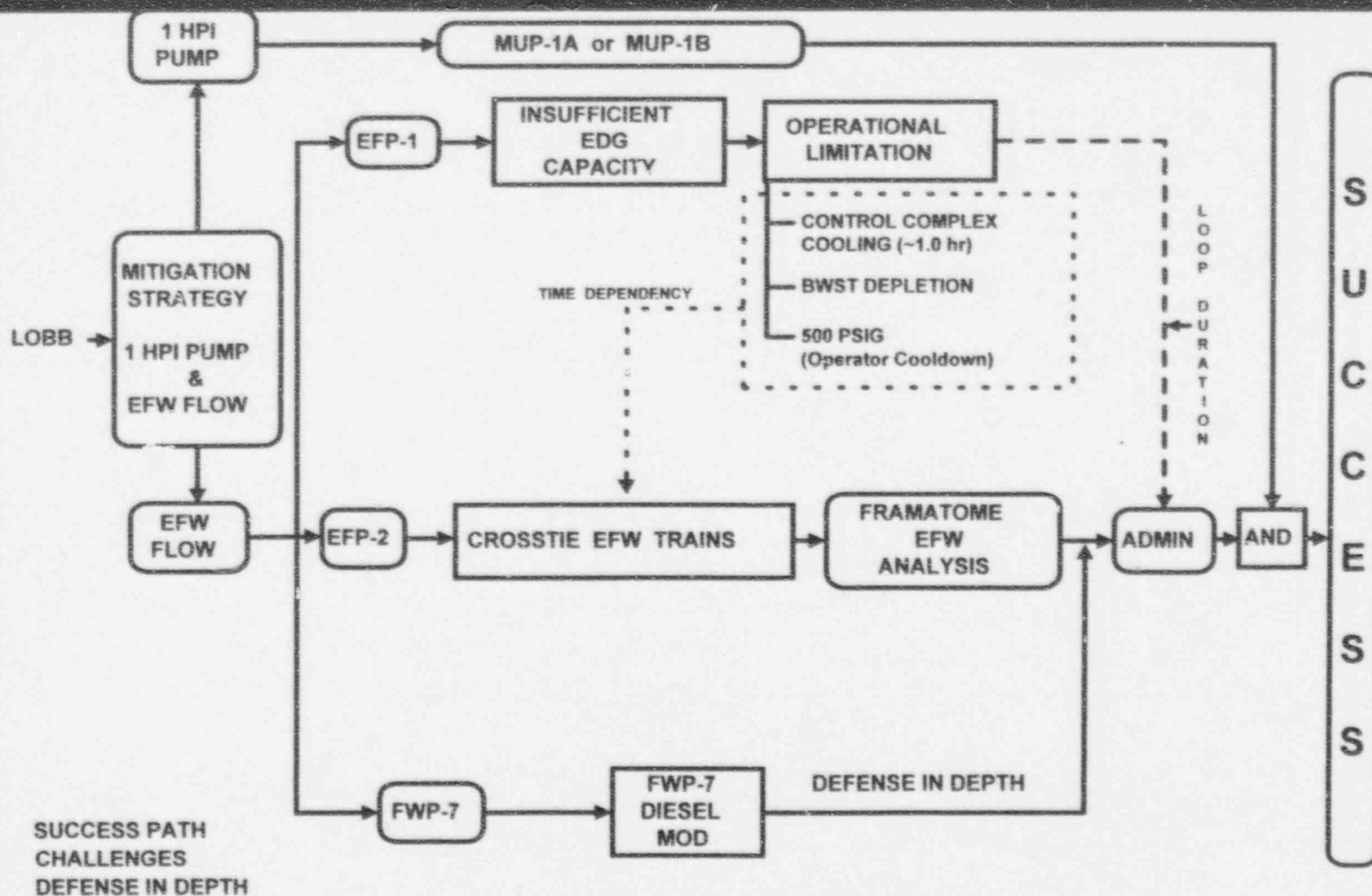
SOLUTION SET FLOW PATH

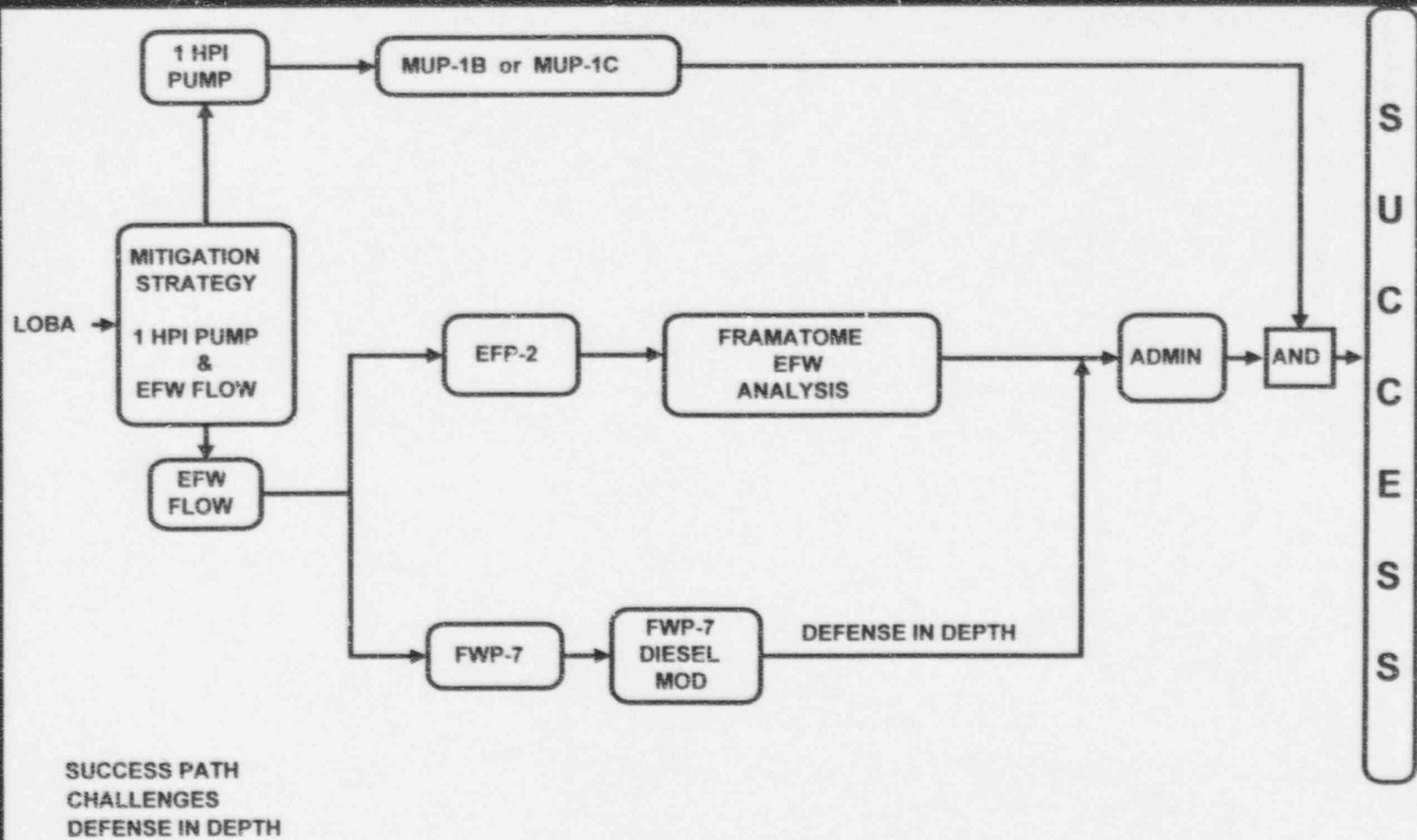


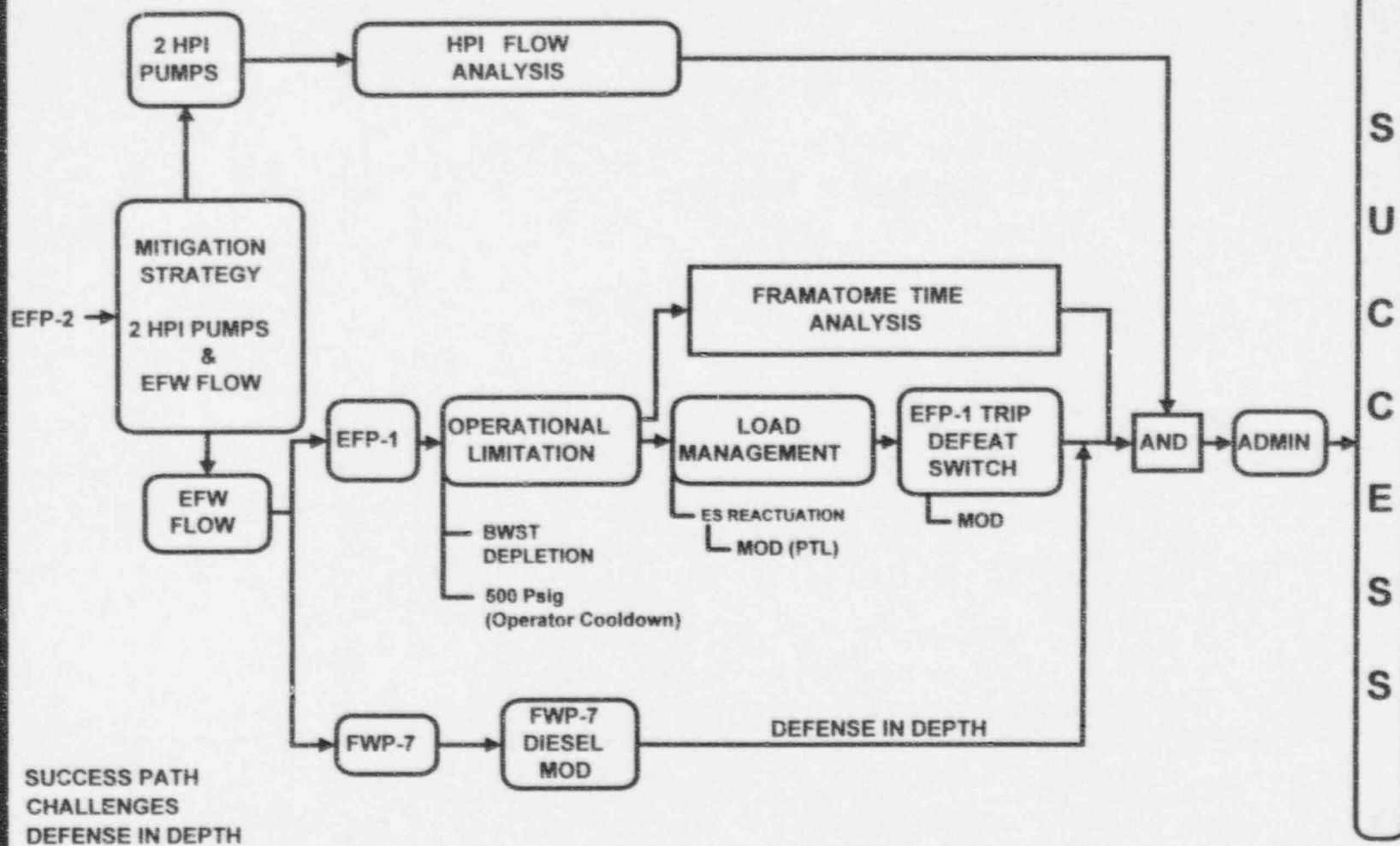


SOLUTION SET FLOW PATHS

- Address Each Single Failure Scenario Separately
- Identify Design Basis Success Path
- Identify Defense In Depth
- Identify Challenges
- Identify Needs
 - Modifications
 - Procedures
 - Licensing Actions
 - Training









LIMITING SINGLE FAILURES

LOBA
Loss of "A" Battery

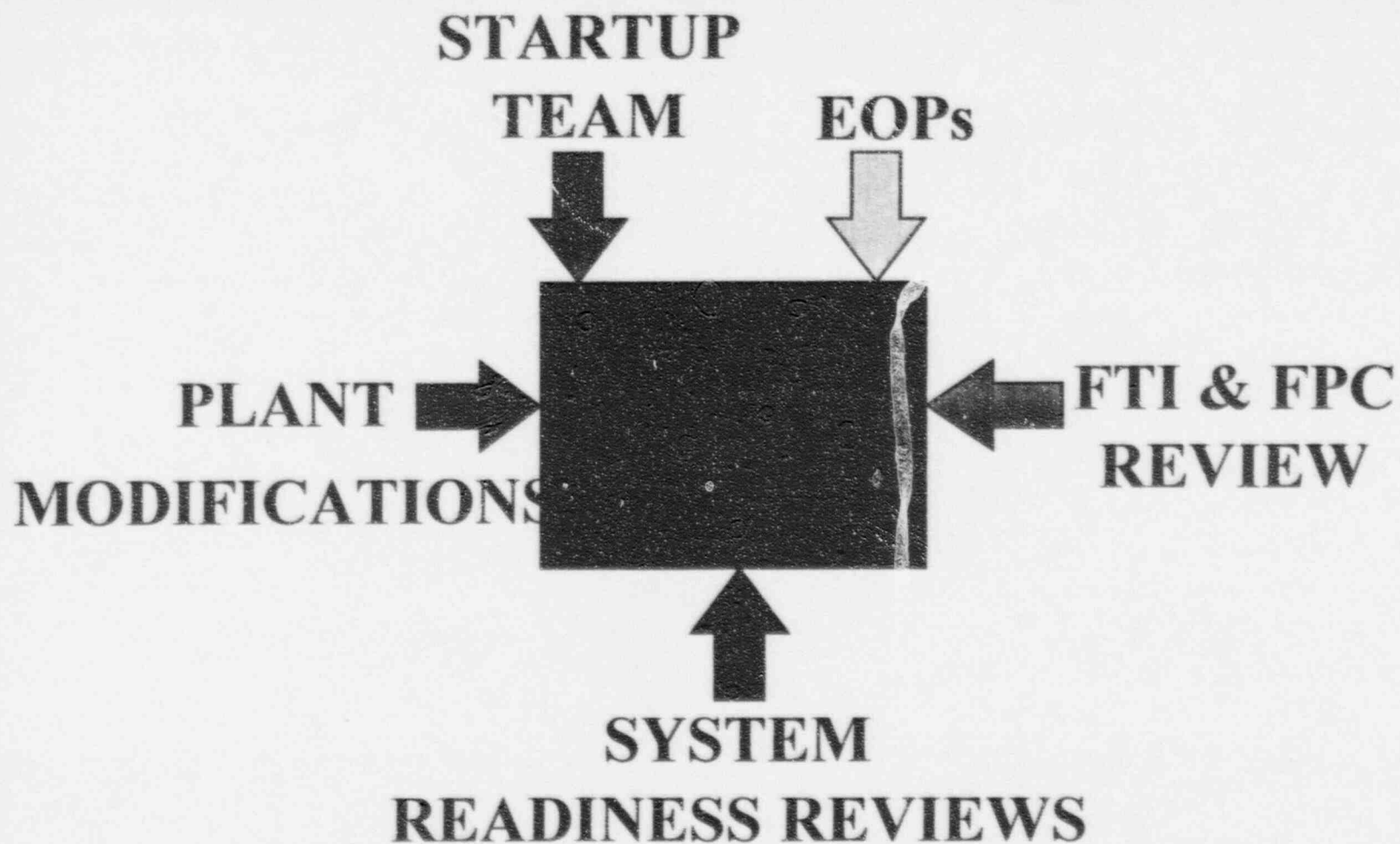
LOBB
Loss of "B" Battery

EFP-2

ADMIN

- SAFETY ASSESSMENT
- EOP / AP / OP / SP REVISIONS
- TRAINING
- FSAR / EDBD / ITS REVISIONS

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CYCLE 11 RESTART

New Isolation Criteria

Crosstie EFP-2 / ASV-204

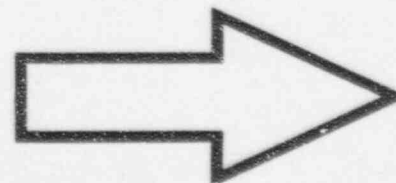
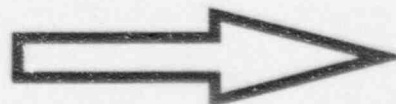
150 KW EDG Upgrade

Load Management

EFW Cavitating Venturis

FWP-7 Diesel Powered

EFIC Improvements



CYCLE 12

**HPI Cavitating
Venturis**

Diesel EFW Pump

or

**Increase EDG
Capacity**



System Readiness Review

- Plan
- Status
- Performance Measures



System Readiness Review

- Conduct reviews to assure that safety related systems are in compliance with the licensing and design basis of the facility



System Readiness Review Plan

- Assess each of the 105 systems for a “Graded Approach” review
- Perform assessment of each system
- Evaluate results
- Track restart requirements
- Operations acceptance of systems
- Performance monitoring



Classification Methodology

- Multiple Fission Product Barrier Approach
 - 10CFR50, Appendix A, II
- Analytical Process
 - PSA Model
 - Maintenance Rule Risk Significance
 - Safety Significance
- Engineering Judgment and Assessment Performance
 - Past “change process” opportunities
 - Previous system assessments



Level 1 Systems

- Emergency Feedwater System
- Emergency Feedwater Initiation and Control
- Reactor Coolant System
- Emergency Diesel Generators and EDG Support Systems
- Decay Heat System
- Makeup & Purification System
- Core Flood System
- Engineered Safeguards System

Level 2 Systems

- AC Electrical Distribution System
- DC Electrical Distribution System
- Air Handling Subsystems
- Nuclear Services Closed Cycle Cooling System
- Raw Water System
- Decay Heat Closed Cycle Cooling System
- Control Rod Drive System
- Main Steam System
- Waste Disposal System
- Radiation Monitoring System
- Annunciator System
- Building Spray System
- Feedwater System
- Chemical Addition System
- Spent Fuel System
- Nuclear Instrumentation System
- Reactor Protection System
- Containment Access



System Readiness Review Matrix

Nuclear Closed Cycle Cooling Sytem (SW)

SYSTEM READINESS REVIEW MATRIX
NUCLEAR CLOSED CYCLE COOLING SYSTEM (SW)

[illegible]

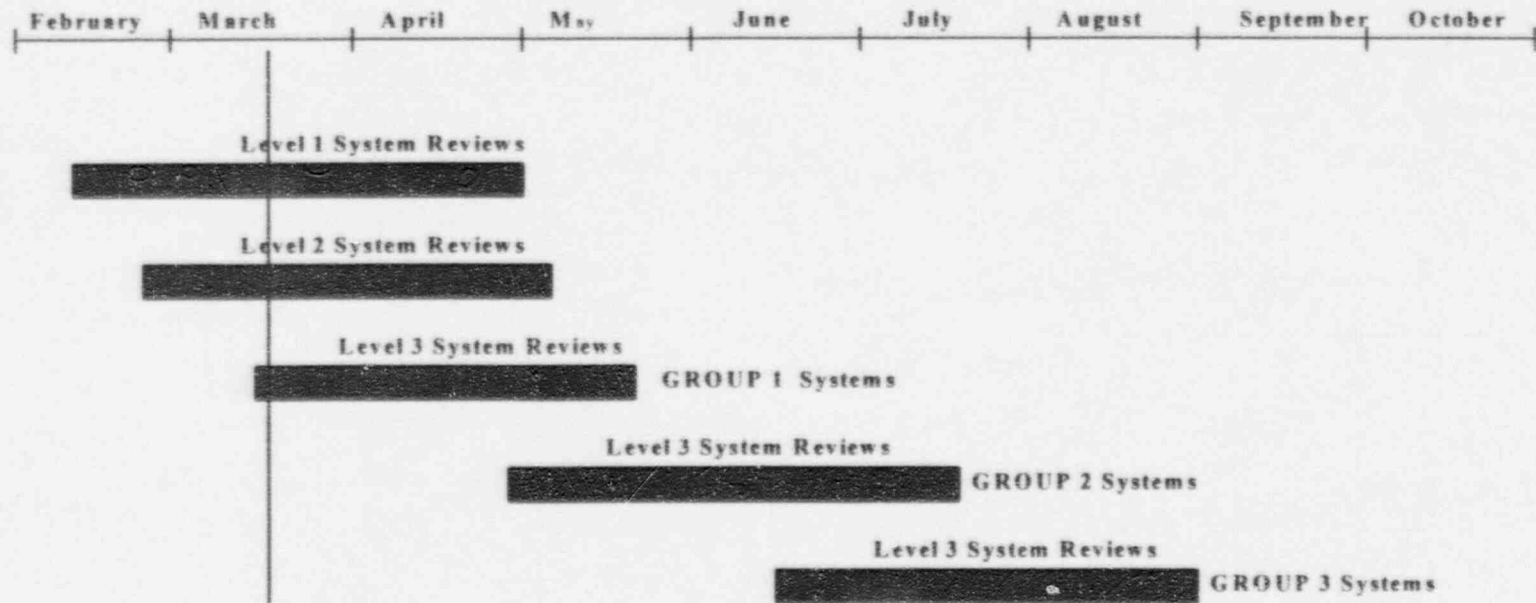


System Selection Review

- All Maintenance Rule Risk Significant Systems are Level 1 or 2 Systems
- Level 1 and 2 Systems Contribute to 100% of Core Damage Frequency
- Level 1 Systems Contribute to 87% of Core Damage Frequency



System Readiness Review Phase 1



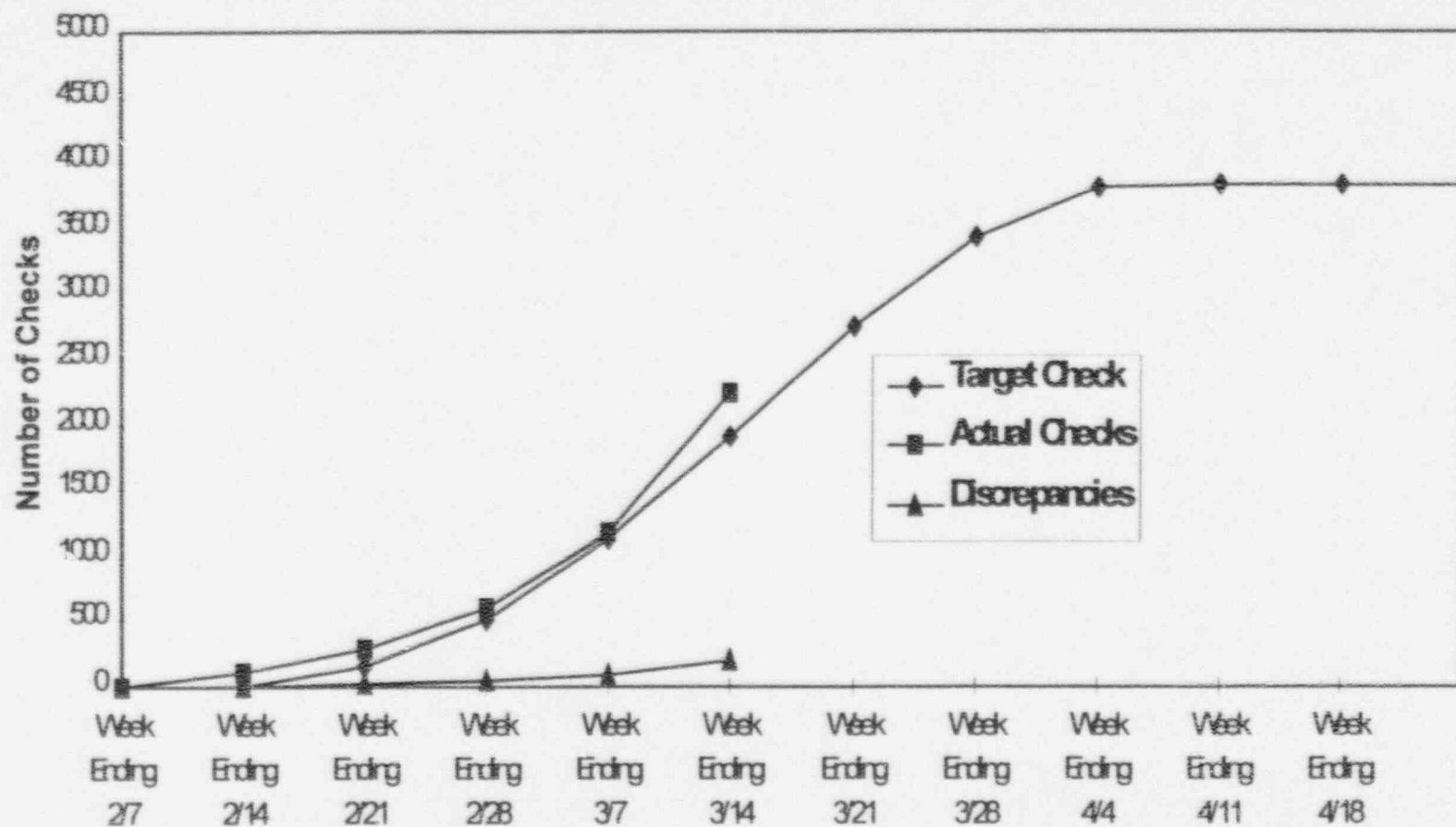
GROUP 1 Systems - Potential to impact EDG/EFW Dependency

GROUP 2 Systems - Potential for discovery of DB or LB issue

GROUP 3 Systems - Remaining Systems



System Readiness Review Attribute Check Status Level 1 Systems





System Readiness Review Summary



Resolution of Emergent Issues

- Changes to Restart Process
 - NOD Consolidation
 - » Formalize Plan / Guidance
 - » Redefine Criteria / Establish Screen Out



Restart Criteria

1. Required to address an operability issue
2. Required to restore acceptable design margin or conformance with design basis
3. Required to meet restart licensing commitments or to resolve USQs needed to restore conformance with the licensing basis
4. Required to address an organizational, programmatic, or process deficiency that could prevent maintenance of adequate design margins or conformance with the design or licensing basis
5. Required to address significant equipment materiel condition deficiencies singly or in aggregate, or repetitive failures that could affect safety system availability, impact plant reliability, or reduce the ability of operators to operate the plant safely



Restart Criteria (con.)

Issues not meeting criteria 1-5 will not be required for restart and will be classified as follows:

6. a. Item can be scheduled for a subsequent outage
- b. Item can be readily worked on line, does not affect safe and reliable operation, does not represent a significant challenge to Maintenance Rule Goals or LCO Allowed Outage Time, and does not impair operations necessary to perform surveillance or monitoring
- c. Item is classified as minor maintenance, cosmetic maintenance, or housekeeping, and does not affect plant operation
- d. Item is an administrative issue



Role of Restart Accountability Team

- Decision makers at the right level
- Accountable to Plant Manager
- Oversight by Restart Panel



Role of Restart Panel

- Approve changes to process
- Link with NRC / CAL / 0350 process
- Consolidate recommendations for restart



Implementation of Process

- Rescrub previous open issues
- Consolidation of NRC / FPC issues



MCAP II Update

- Rescrub for restart
- April revision as committed
 - “As of” 4 April
 - Completion dates reflect restart resource loading
- Completion criteria necessary to support “satisfactory progress” requirement of CAL



Corrective Action Program Update

- Revision to process (CP-111)
 - Involvement of supervisor / line manager (Precursor Card ownership)
 - Timeliness of response (identify, cause determination, corrective action implementation)
 - Extent of condition review (A & B precursors)
 - Effectiveness review (A & B precursors)
 - CARB involvement (extend / downgrade)



Challenges to Process

- Influx of PCs from extent of condition reviews
- Backlog
- Monitoring sensitivity



Closure of MC 0350 Action Items

- Regulatory Readiness Plan
- Closure Packages and Schedule
- NRC Assessment Team Coordination



Regulatory Readiness Strategy

- Develop closure sequence for all restart issues
- Maintain closure schedule in one master schedule
- Use schedule to inform organization of licensing needs
- Measure licensing performance by adherence to schedule
- Provide closure management by projecting NRC review needs and maintaining status of issues



Regulatory Readiness Plan

- License Amendments - resolve USQs and Unanalyzed Conditions
- Tech Spec changes - support plant modifications and safe operation
- License submittals - correct Licensing Bases
- Commitment and Issue Closure Packages
- NRC Inspections
- NRC Readiness Assessments



Closure Packages and Schedule

- Documentation assembled as issue or commitment is completed
- Regulatory Assurance review packages (QA oversight)
- Closure packages are available to NRC Inspection Teams
- Integrated Schedule drives timing
- Regulatory Assurance will coordinate interface

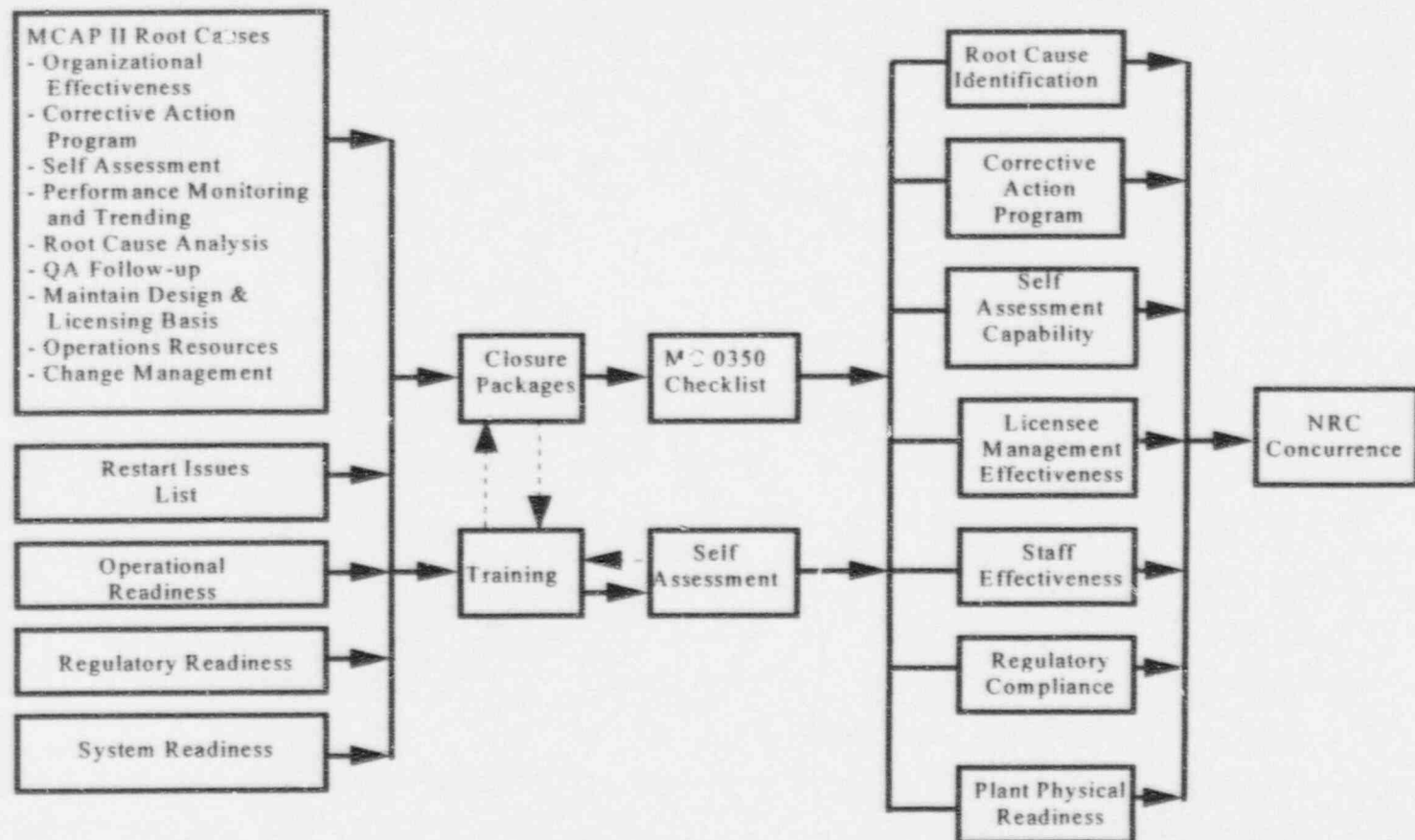


NRC Assessment Team Coordination

- FPC Briefings support issue closure
- Restart Panel meetings show progress toward restart
- MCAP efforts show progress on organizational and programmatic changes
- FPC self-assessments demonstrate organizational readiness
- NRC assessment teams confirm organizational, operational, and system readiness

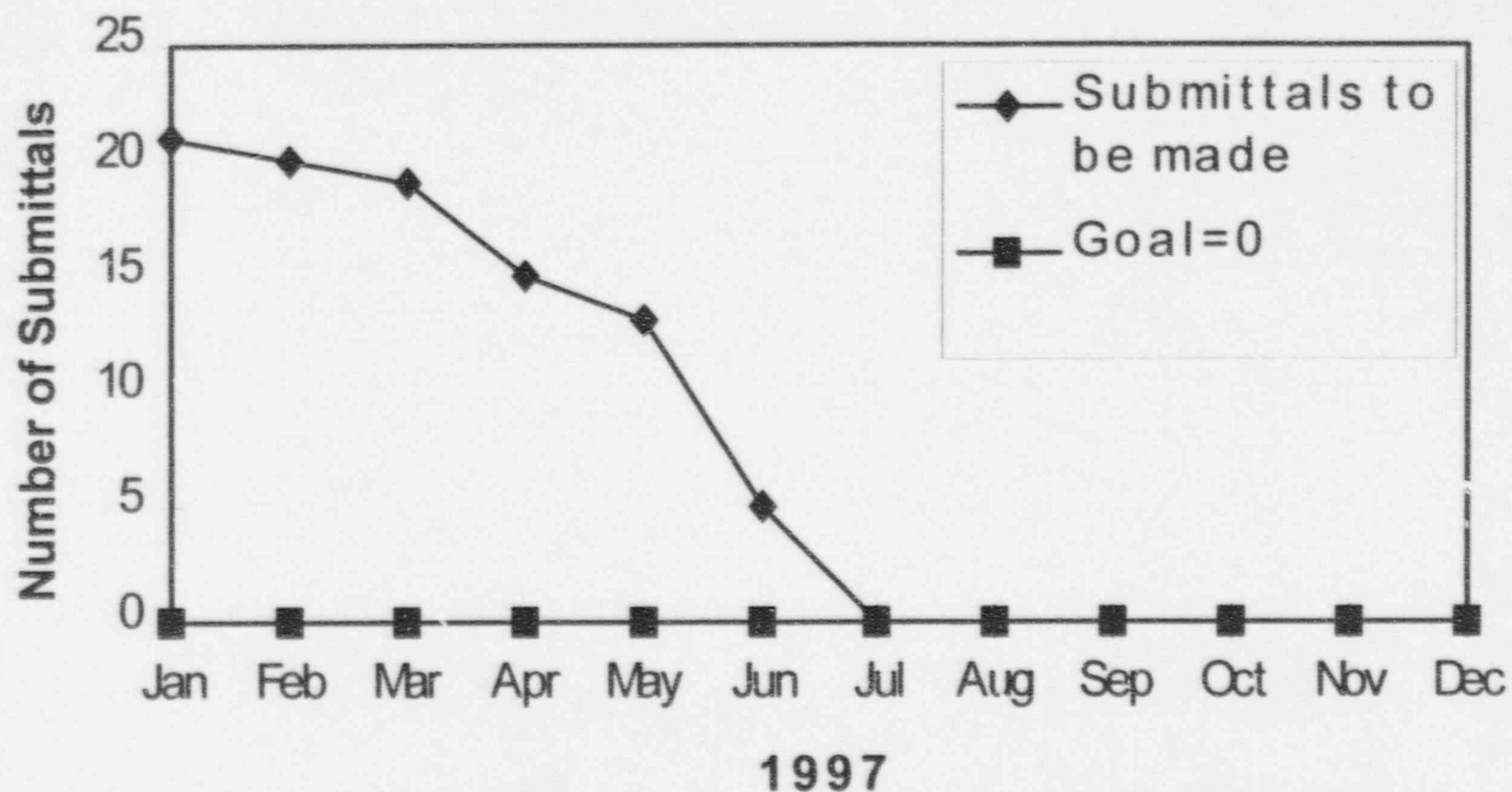
Restart Authorization Plan

RESTART AUTHORIZATION PLAN



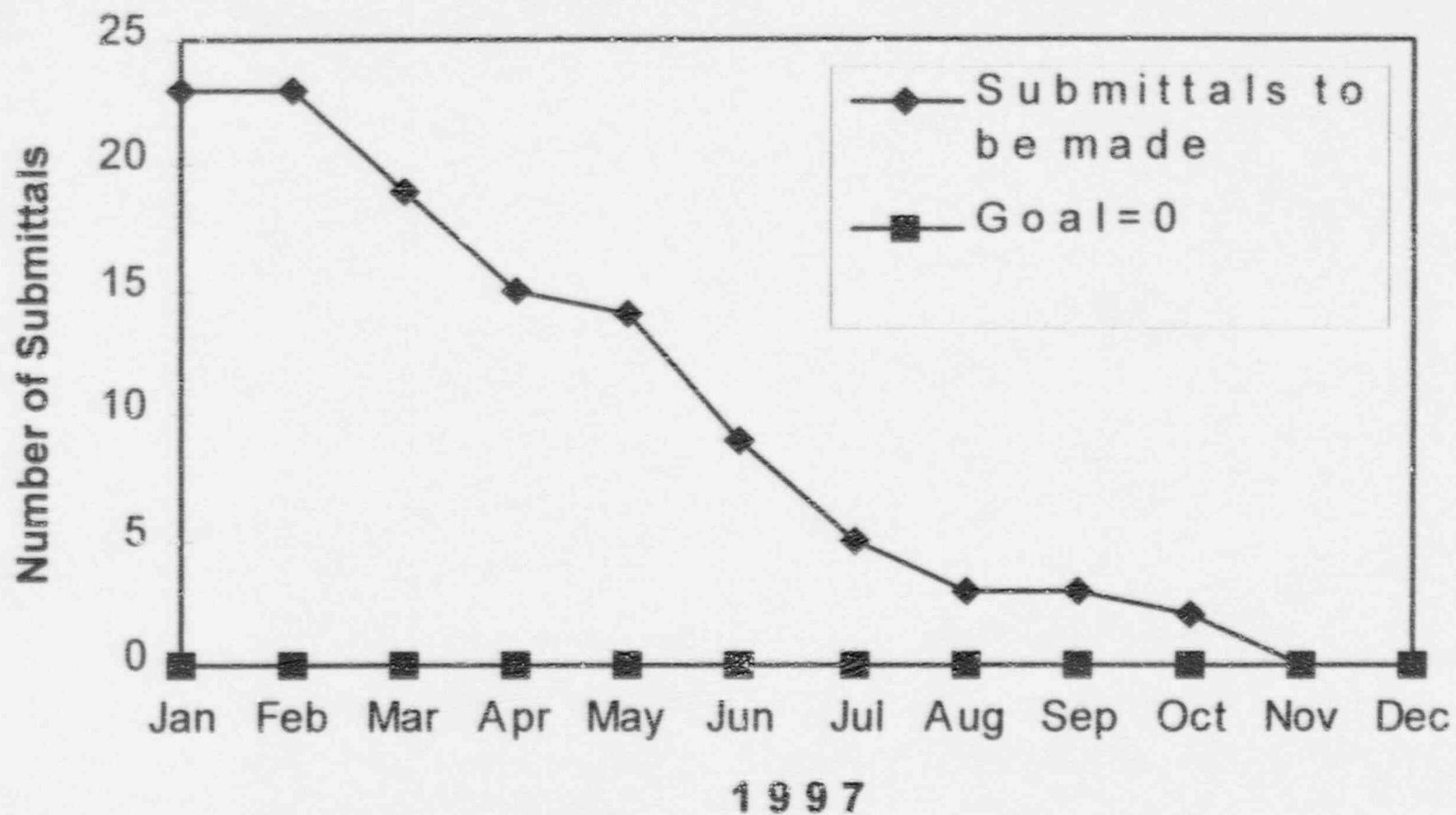


License Amendments and Tech Spec Submittals



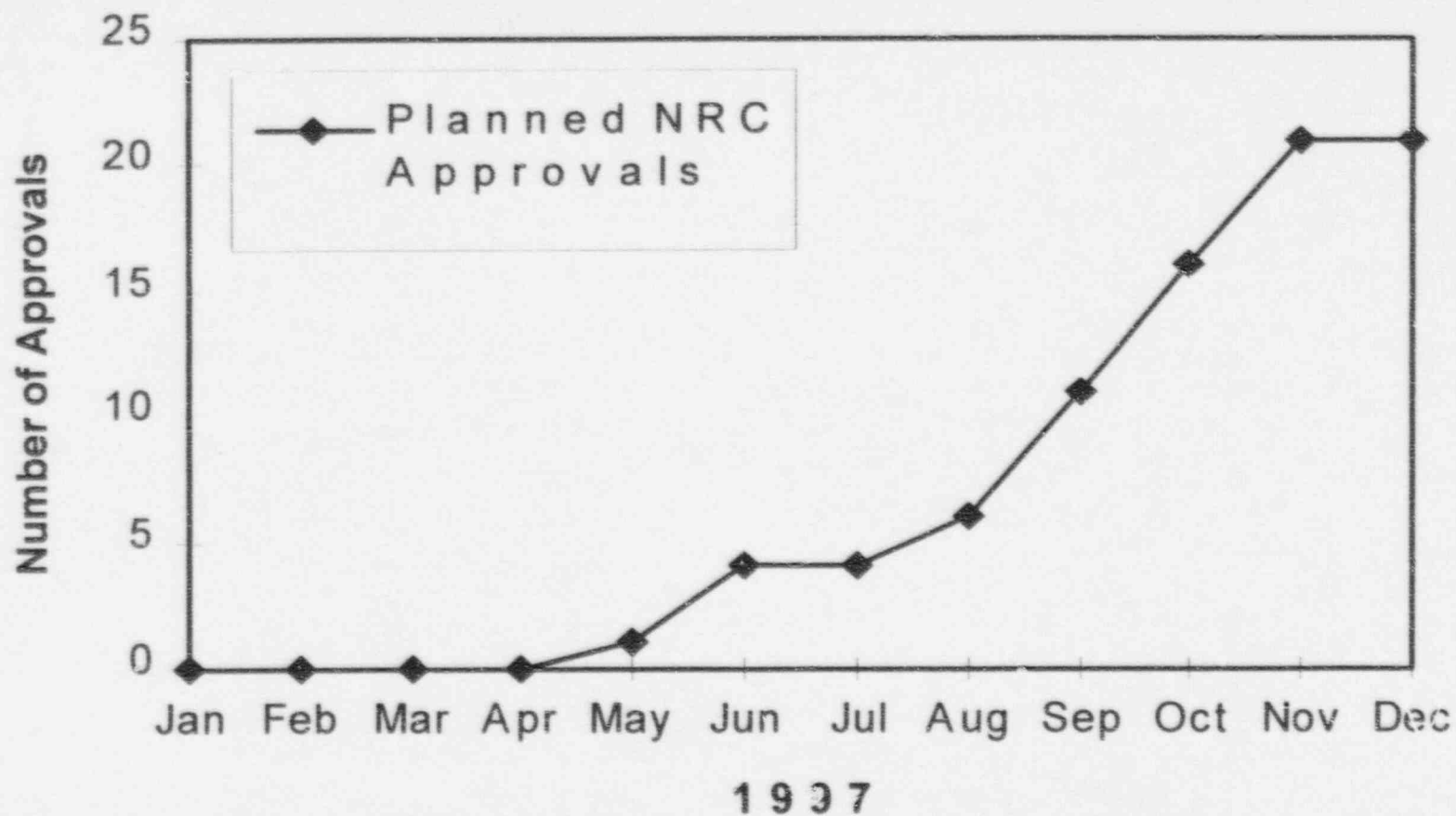


Other NRC Restart Submittals



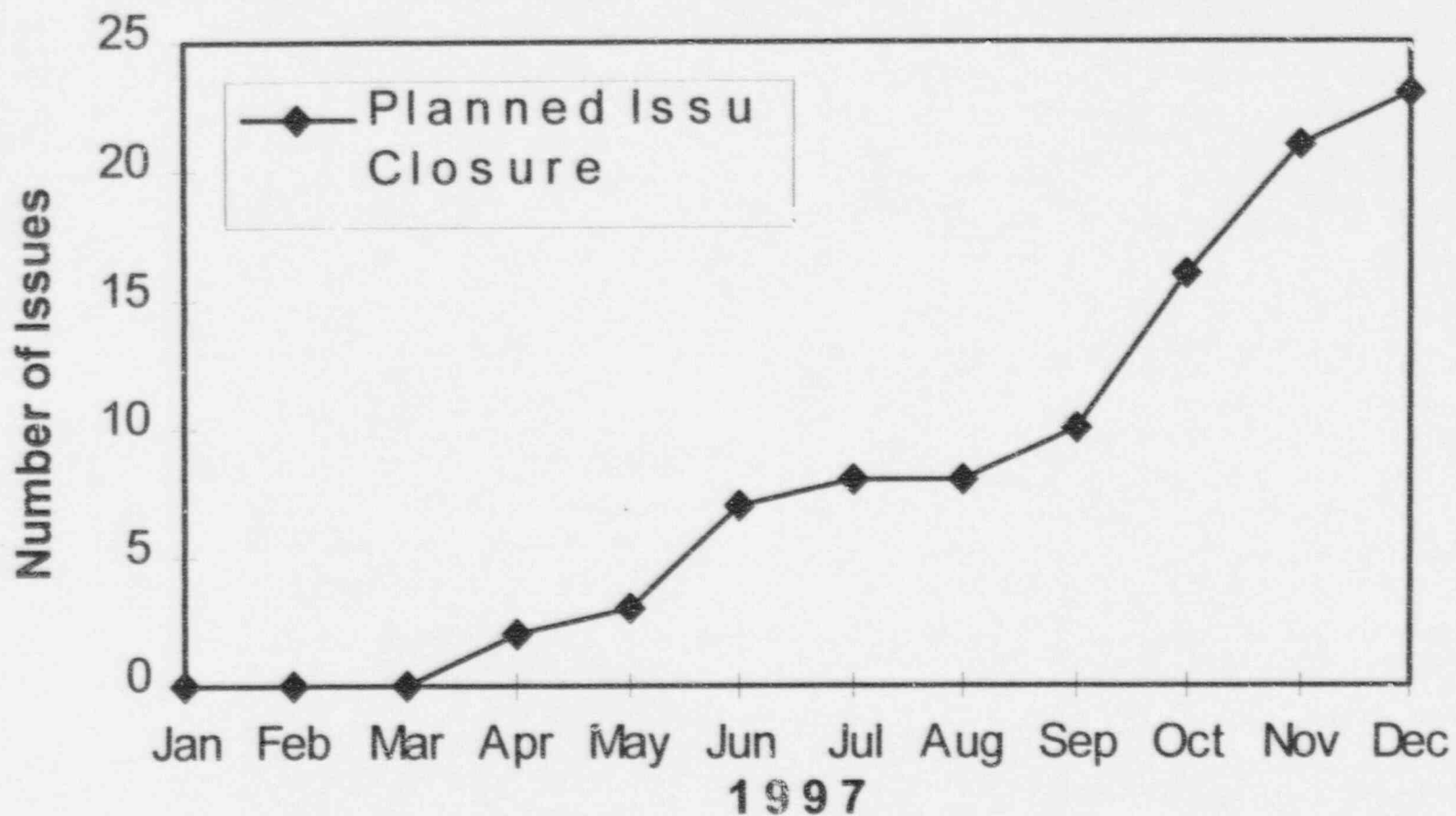


License Amendments and Tech Spec Changes





Other NRC Restart Submittals



Concluding Statements

License Amendments and Tech Spec Changes

Issue	Submittal	Submittal Date	NRC Approval Date
SB LOCA	TSCRN 3.7.5 EFW	5/28/97	10/30/97
	TSCRN 3.7.7 SW		
	TSCRN 3.7.9 RW		
	New TS Control Complex Cooling		
	TSCRN 3.5.2 ECCS		
	TSCRN 3.7.8 DC		
	TSCRN 3.7.10 DH Seawater		
	TSCRN 3.8.1, 3.8.3		
	FWP-7 Diesel USQ		
	SW/RW Pull to Lock USQ		
	EFP-1/DHP-1A Trip Block Defeat USQ		
	TS Bases 3.8.2 500 kV Substation	6/6/97	9/5/97
	License Amendment DH-45-FI	6/16/97	9/15/97
Appendix R Issues	Exemption Request	10/96A	10/20/97
System Readiness Reviews	License Amendment	6/13/97	9/12/97
LTOPS	JCO submittal/exemption request	4/4/97	5/1/97
	TSCRN, (if required)	7/16/97	10/15/97
EOP/AP Strategy Regarding Operator Actions	License Amendment	7/14/97	10/13/97
ILRT	TSCRN App. J, Option B	4/7/97	6/2/97
RWP Cyclone Separator Fouling	USQ submittal	6/16/97	10/13/97
CCHE Tech Spec	CCHE TSCRN (SRs)	7/25/97	10/25/97
Review Implementation of License Conditions	License Amendment, (if needed)	7/28/97	9/29/97

Potential USQs	HPI Pump Recirc	6/27/97	9/26/97
	MUV-31 control logic change	6/27/97	9/26/97
	EDG Protective Trips	6/27/97	9/26/97
	HPI Analysis (with/without HPI venturis)	6/27/97	9/26/97
	HPI Nozzle Cycles	7/18/97	9/25/97
	Letdown Line Rupture (manual action)	4/25/97	6/27/97
	AHFL-1/2	5/16/97	8/15/97
OTSG Tech Spec	TSCRN	3/28/97	6/30/97
RG 1.97 Issue	1 _{sat} PAM, EDG kW Meters (Other new Type A's) -TSCRN	4/30/97	8/17/97

Non-Restart License Amendments and Tech Spec Changes

RCP Flywheel	TSCRN	8/11/97	1/29/98
Tendon Surveillance	TSCRN	12/19/97	3/20/98

Other NRC Restart Submittals

Issue	Submittal	Submittal Date	Issue Closure Date
SB LOCA	LPI Mission Time (DHP) letter	6/20/97	10/13/97
	Boron Precipitation letter	8/29/97	10/13/97
Appendix R Issues	Assessment Summary	4/21/97	11/3/97
	ADV 30-day Response	4/11/97	4/11/97
LTOPS	Revised response on GL 88-11	8/25/97	11/14/97
System Readiness Reviews	SRR Procedure	3/28/97	10/10/97
	SRRP Summary	6/23/97	10/10/97
EOP/AP Operator Actions	EOP commitment date change	3/31/97	11/10/97
GL 96-01	Summary Report	7/18/97	11/18/97
FSAR Rev. 23 USQs	Letter to NRC re: USQs	3/31/97	9/15/97
	Letter following FSAR review	7/7/97	9/15/97
GL 96-06	Letter to NRC SW Fitting Summary Report	5/12/97	6/26/97
		6/26/97	6/26/97
TS Bases Submittal	Summary of TS Bases changes	4/14/97	4/14/97
Tendon Surveillance	Special report to NRC	7/25/97	10/24/97
Maintenance Rule Structural Baseline	Walkdown Summary Report	7/15/97	7/15/97
Integrated Safety Assessment of Current Outage Modifications	Summary Report (?)	10/24/97	10/24/97
CCHE Tech Spec FSAR Rev. 24	NRC Letter withdrawing TSCRN Rev. 24	3/18/97A	5/26/97
		11/21/97	11/21/97

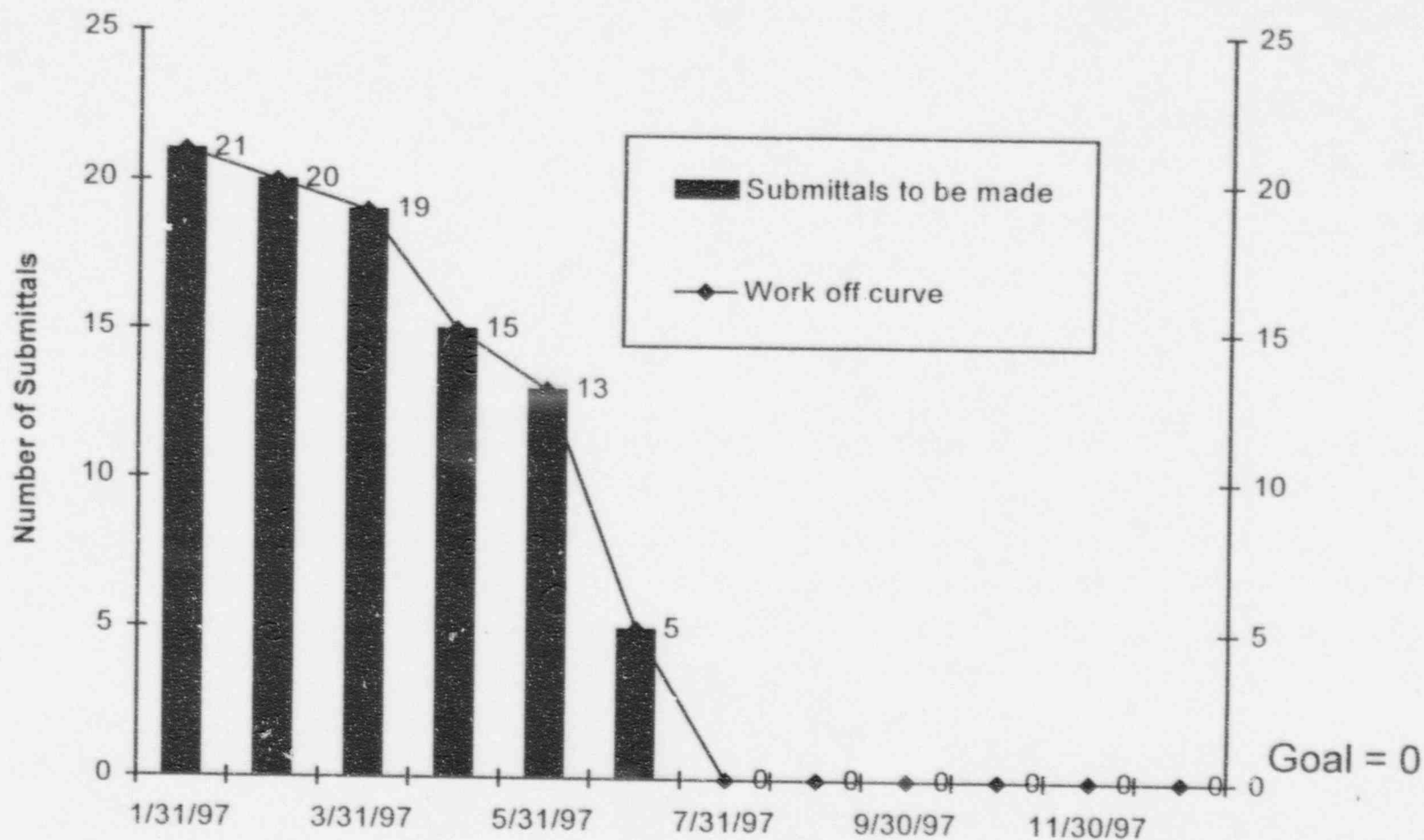
GL 95-03, Circ. Cracking of SG Tubes	Letter of resolution (?)	6/2/97	6/23/97
GL 95-07, Pressure Locking/Thermal Binding	Letter of resolution (?)	6/9/97	6/11/97
Request Restart Approval	Letter request	11/30/97	12/15/97
MCAP-II	Rev. 2	4/30/97	12/15/97

Non-Restart Submittals

ISI Interval Extension	Letter to extend second interval	3/13/97A	3/13/97A
ASME Section XI	Interval closure report submittal	11/10/97	11/19/97
IPEEE	IPEEE letter	3/31/97	5/5/97
FSAR Rev. 25	Rev. 25	x/98	x/98
Security Plan Upgrade	Biometrics Submittal	4/11/97	9/1/97
	Rev. 6-14 Correction	4/21/97	9/1/97
	Upgrade #1 Submittal	5/15/97	9/1/97
	Upgrade #2 Submittal	7/7/97	9/1/97
Severe Accident Management	Deferral Letter	6/30/97	6/30/97
A-46 Seismic	First submittal	3/31/97	7/20/97
	Second submittal	7/20/97	7/20/97
OTSG Tech Spec	Mode 4 Report (?)	10/30/97	10/30/97
	90-day post-outage report (?)	3/24/98	3/24/98

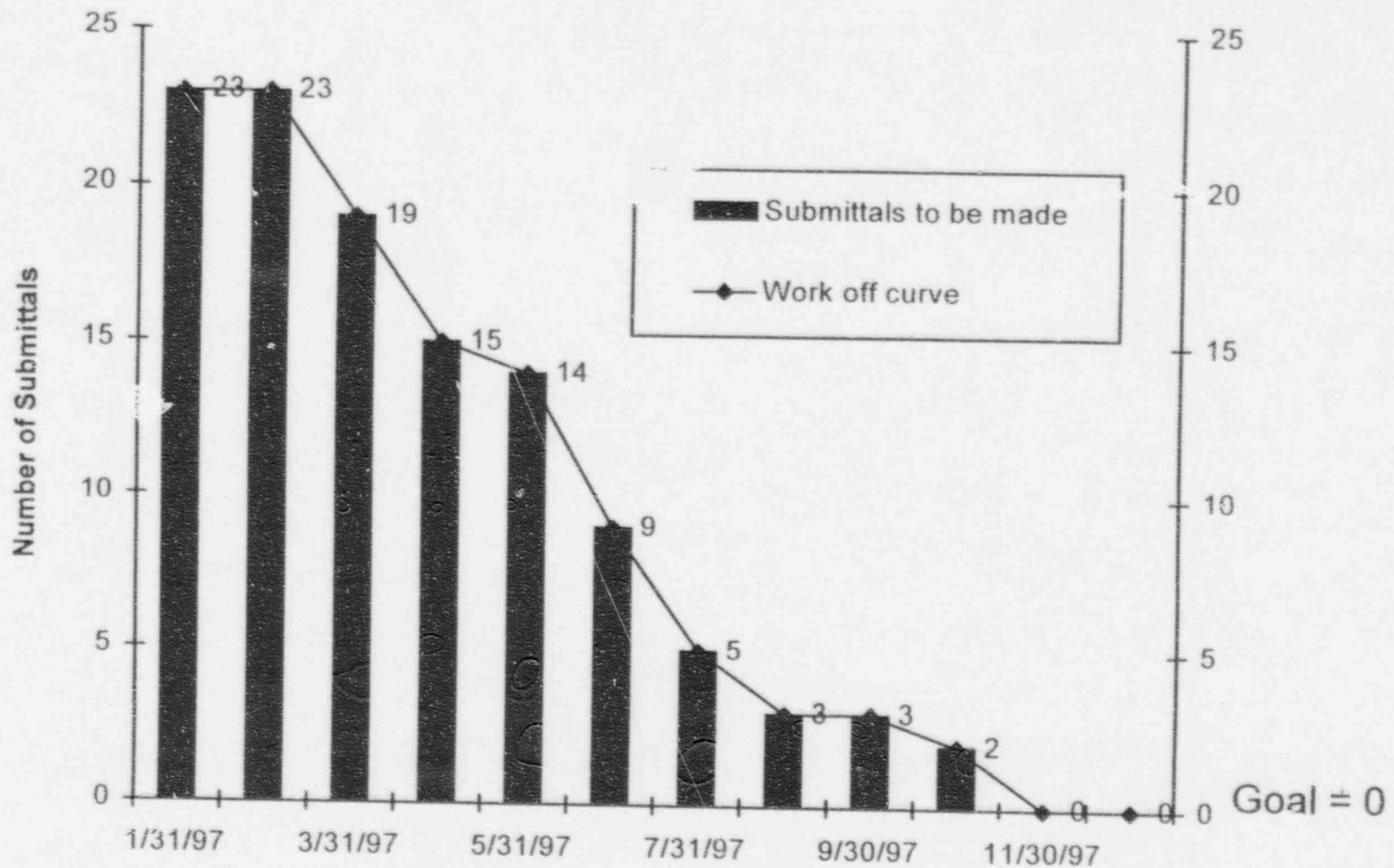


License Amendments and Tech Spec Changes



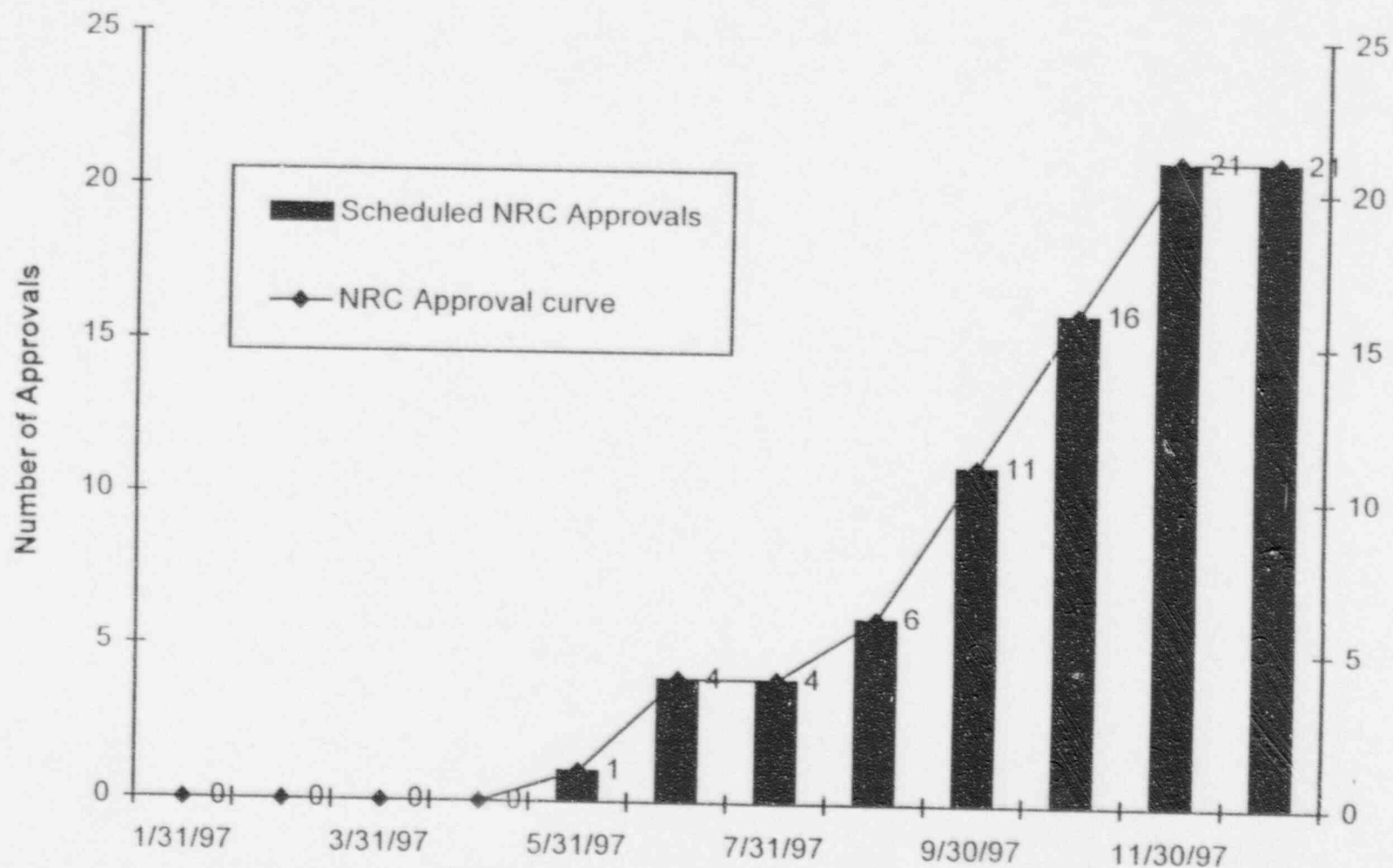


Other NRC Restart Submittals



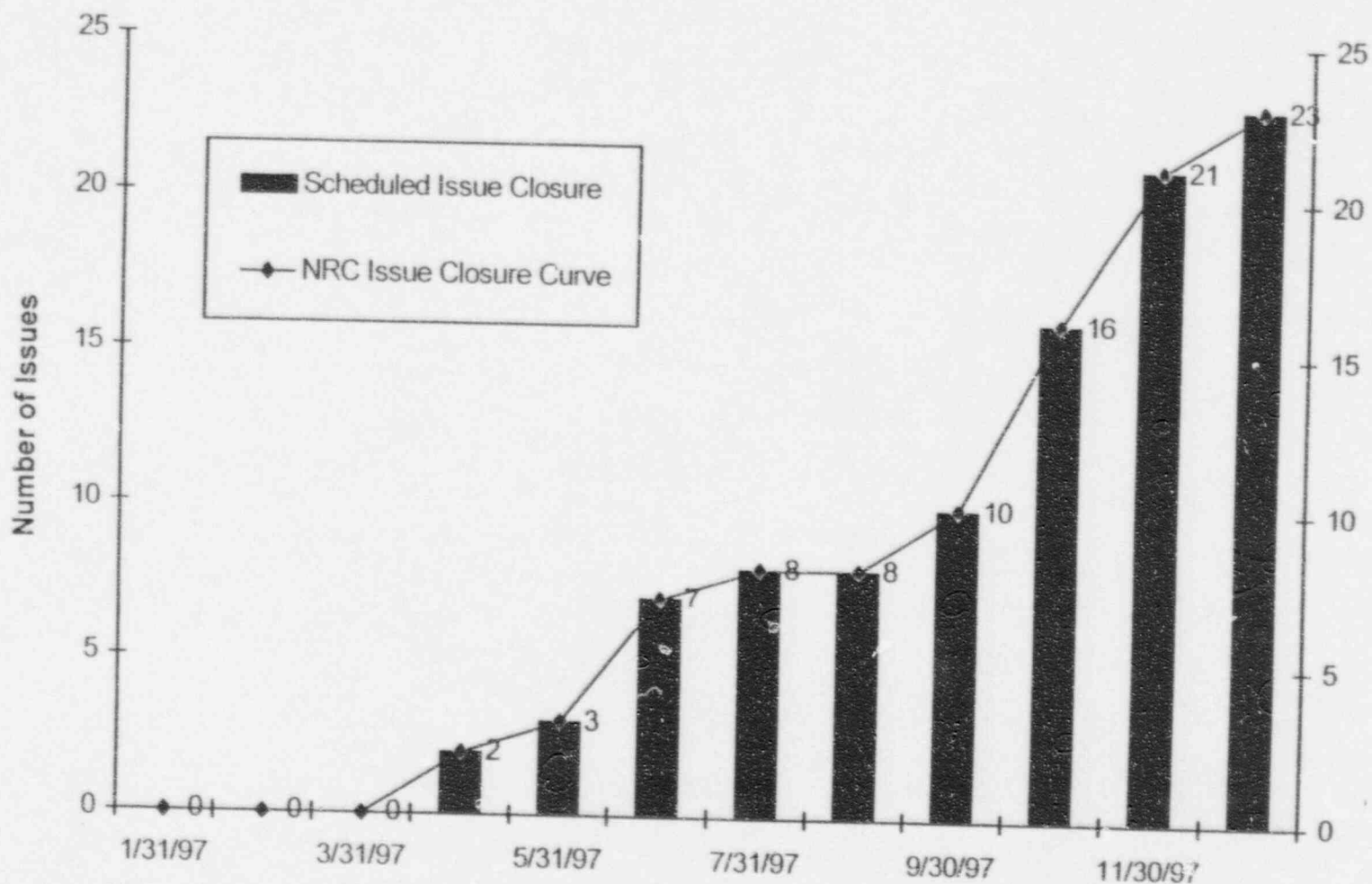


License Amendments and Tech Spec Approvals





Other NRC Restart Submittals



Project: RESTART

Time Now : 18Mar97 07:00

Activity Burn, 

Version: 01 Restart Detail Schedule

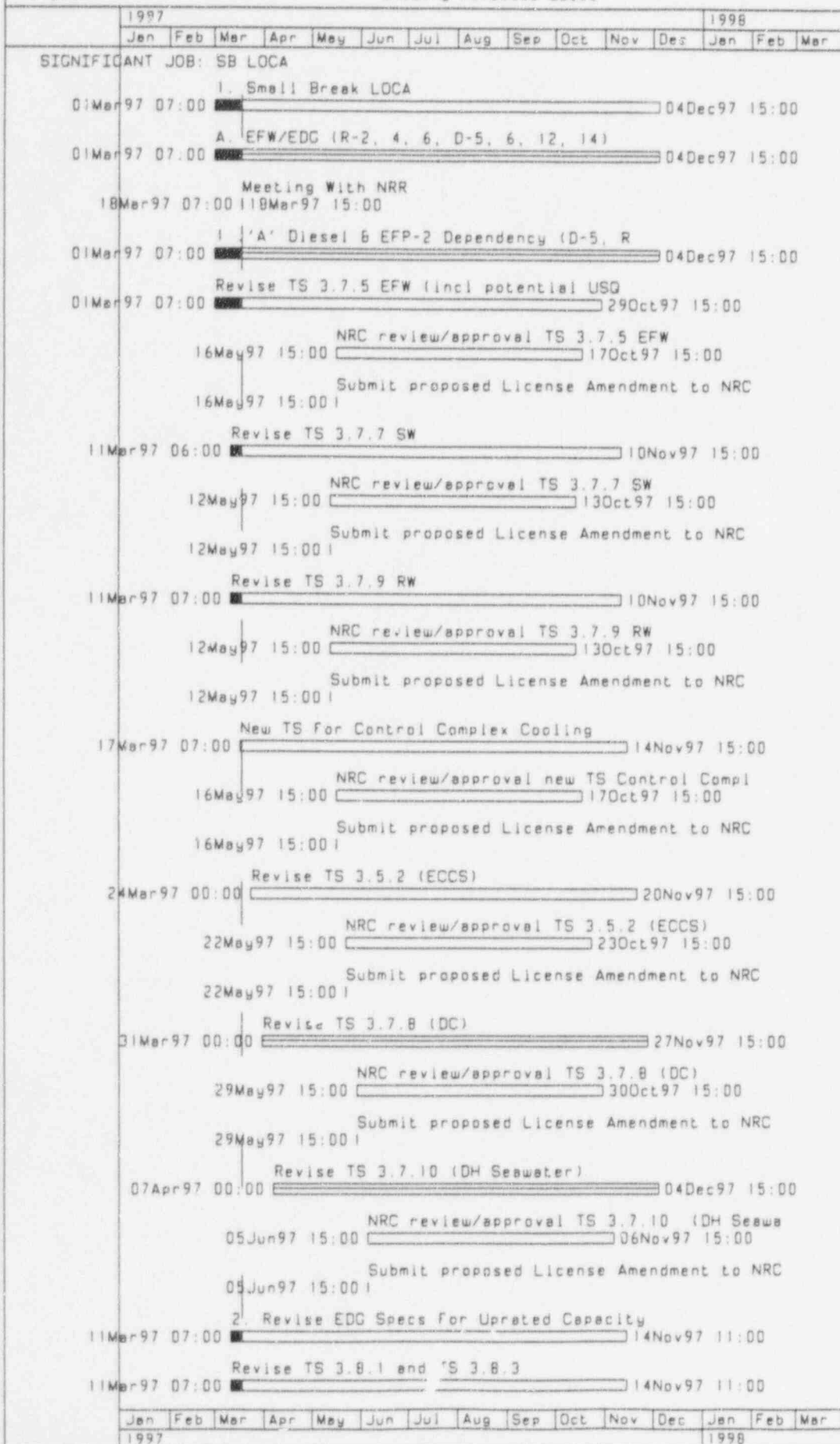
Forecast End: 29May98 15:00

Critical Burn, 

Targets:

Showing Forecast Dates

Required End: 31Dec98 23:00

Actual Progress 



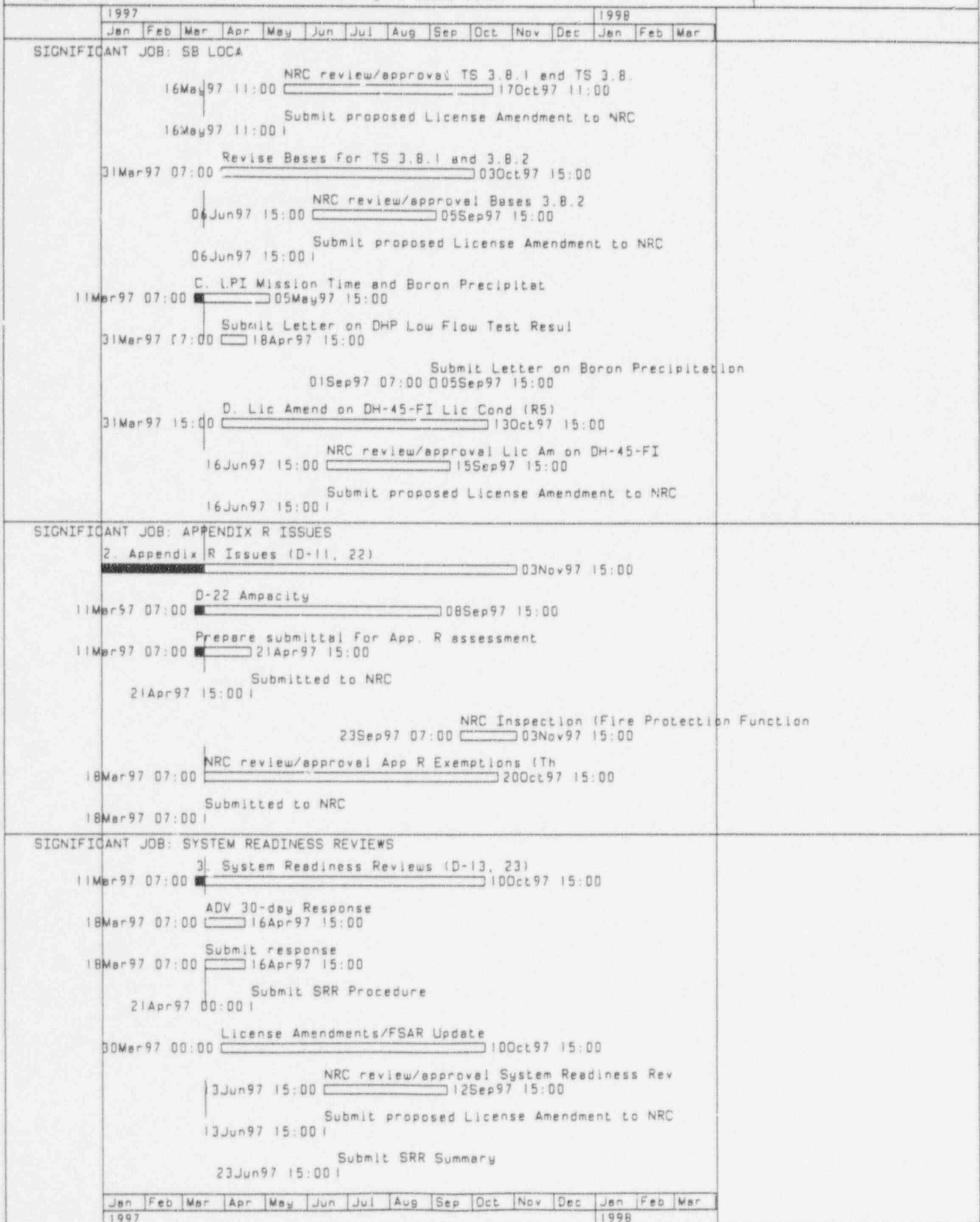

Project: RESTART

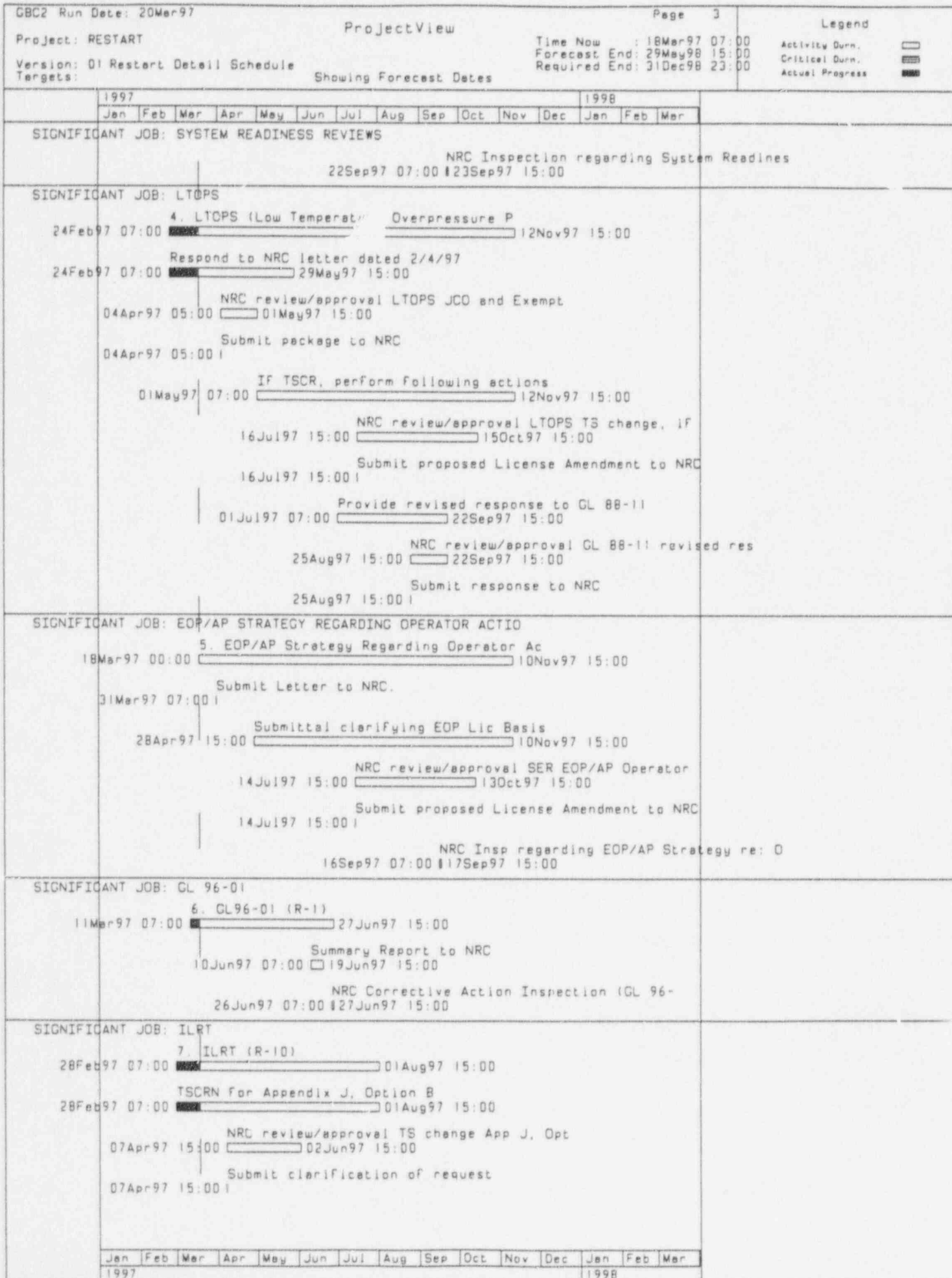
ProjectView



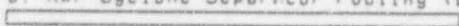


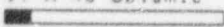
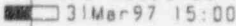
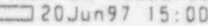
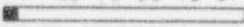
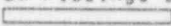
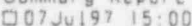
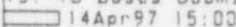
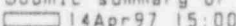
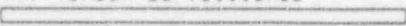


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Forecast End: 29May98 15:00
Required End: 31Dec98 23:00Version: 01 Restart Detail Schedule
Targets:

Showing Forecast Dates

Legend








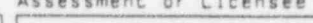



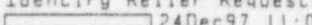





Activity Duration: 
Critical Duration: 
Actual Progress: 






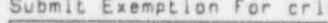

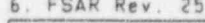

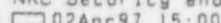
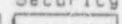


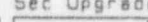






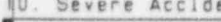

















CBC2 Run Date: 20Mar97												Page 4			Legend		
Project: RESTART												Time Now : 18Mar97 07:00			Activity Durn. 		
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. 		
Targets:												Required End: 31Dec98 23:00			Actual Progress 		
Showing Forecast Dates																	
1997												1998					
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec												Jan Feb Mar					
SIGNIFICANT JOB: RWP CYCLONE SEPARATOR FOULING																	
8. RWP Cyclone Separator Fouling (D-20)																	
01Apr97 07:00 												10Nov97 15:00					
USQ Submittal, if necessary																	
01Apr97 07:00 												10Nov97 15:00					
NRC review/approval SER on RWP Cyclone S																	
16Jun97 15:00 												13Oct97 15:00					
Submit proposed License Amendment to NRC																	
16Jun97 15:00																	
SIGNIFICANT JOB: A-46 SEISMIC																	
9. A-46 Seismic																	
05Mar97 07:00 												20Jun97 15:00					
Phase I Response																	
05Mar97 07:00 												31Mar97 15:00					
Phase II Response																	
30May97 07:00 												20Jun97 15:00					
NRC Inspection regarding A-46 Seismic																	
03Jun97 07:00 04Jun97 15:00																	
SIGNIFICANT JOB: FSAR REV. 23 USQS																	
10. FSAR Rev. 23 USQs																	
15Apr97 00:00 												15Sep97 15:00					
Letter to NRC regarding FSAR Rev. 23 USQ																	
15Apr97 00:00																	
Letter to NRC following review of FSAR R																	
07Jul97 15:00																	
SIGNIFICANT JOB: GL 96-06																	
11. GL 96-06 (D-8)																	
11Mar97 07:00 												07Jul97 15:00					
Letter to NRC (120 day response to GL 96																	
18Mar97 07:00																	
SW Fittings on CRDs																	
09Apr97 07:00 												30Jun97 15:00					
Submit letter to NRC regarding SW Fittin																	
19May97 15:00																	
Summary Report to NRC																	
01Jul97 07:00 												07Jul97 15:00					
NRC Inspection regarding GL 96-06																	
09Jul97 07:00 10Jul97 15:00																	
SIGNIFICANT JOB: TS BASES SUBMITTAL																	
13. TS Bases Submittal																	
18Mar97 07:00 												14Apr97 15:00					
Summary Report to NRC																	
18Mar97 07:00																	
Submit summary of TS bases changes																	
18Mar97 07:00 												14Apr97 15:00					
SIGNIFICANT JOB: TENDON SURVEILLANCE																	
14. Tendon Surveillance																	
07Apr97 07:00 												24Oct97 15:00					
NRC review/approval special tendon surve																	
25Jul97 15:00 												24Oct97 15:00					
Submit special report to NRC.																	
25Jul97 15:00																	
SIGNIFICANT JOB: MAINT. RULE STRUCTURAL BASELINE WALKDOWN																	
15. Maintenance Rule Structural Baseline																	
02Jun97 07:00 												11Jul97 15:00					
1997												1998					
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec												Jan Feb Mar					

GBC2 Run Date: 20Mar97												Page 6			Legend		
Project: RESTART												Time Now : 18Mar97 07:00			Activity Durn. <input type="checkbox"/>		
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. <input type="checkbox"/>		
Targets:												Required End: 31Dec98 23:00			Actual Progress <input type="checkbox"/>		
Showing Forecast Dates																	
1997												1998					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
SIGNIFICANT JOB: RESTART COMMITMENTS																	
20. Restart Commitments																	
18Mar97 07:00															19Aug97 15:00		
IPAP Issues																	
18Mar97 07:00															28Jul97 15:00		
SSWOPI Issues																	
18Mar97 07:00															18Aug97 15:00		
IDRP Issues																	
18Mar97 07:00															19Aug97 15:00		
SIGNIFICANT JOB: RADIOLOGICAL EMERG. PLANNING (RESTART)																	
21. Radiological Emergency Planning																	
11Mar97 07:00															19May97 15:00		
Ensure FEMA approval of CR-3 restart																	
11Mar97 07:00															19May97 15:00		
SIGNIFICANT JOB: OPEN ITEMS LIST																	
22. OIL (D-4, 7, 17, 21, M-2, OP-6, 8, O																	
11Mar97 07:00															06Oct97 15:00		
NRC review/approval Open Items List																	
11Mar97 07:00															06Oct97 15:00		
SIGNIFICANT JOB: OTHER USQ'S DB ISSUES, OR UNANAL. COND.																	
23. Other USQs, DB Issues, or Unanalyzed																	
11Mar97 07:00															13Oct97 15:00		
Fix (Commitment to Closeout) or Amend LI																	
15Apr97 07:00															13Oct97 15:00		
Potential USQ - HPI Pump Recirc																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - MUV-31																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - EDG Protective Trips																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - HPI Analysis (w/wo HPI v																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - FWP-7 Diesel																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - HPI Nozzle Cycles																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - SW/RW Pull to Lock																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - L/D Line Rupture																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - EFP-1/DHP-1A Trip Block																	
02Jun97 07:00															31Oct97 15:00		
Potential USQ - AHFL-1/2																	
02Jun97 07:00															31Oct97 15:00		
SIGNIFICANT JOB: REVIEW OPERATOR WORKAROUNDS																	
24. Review operator workarounds (M-2) (F																	
02Jun97 07:00															08Oct97 15:00		
NRC Inspection of operator workarounds																	
07Oct97 07:00															08Oct97 15:00		
SIGNIFICANT JOB: REVIEW IMPLEMENTATION OF LICENSE CONDITI																	
25. Review implementation of license con																	
18Mar97 07:00															27Oct97 15:00		
NRC inspect and closeout packages regard																	
29Apr97 07:00															09Jun97 15:00		
1997												1998					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			

GBC2 Run Date: 20Mar97												Page 7			Legend		
Project: RESTART												Time Now : 18Mar97 07:00			Activity Durn. <input type="checkbox"/>		
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. <input type="checkbox"/>		
Targets:												Required End: 31Dec98 23:00			Actual Progress <input type="checkbox"/>		
Showing Forecast Dates																	
1997												1998					
Jen Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec												Jen Feb Mar					
SIGNIFICANT JOB: REVIEW IMPLEMENTATION OF LICENSE CONDITI																	
Prepare draft License Amendment, IF need																	
29Apr97 07:00 <input type="checkbox"/> 09Jun97 15:00																	
NRC review/approval Lic Am on license co																	
28Jul97 15:00 <input type="checkbox"/> 29Sep97 15:00																	
Submit proposed License Amendment to NRC																	
28Jul97 15:00																	
SIGNIFICANT JOB: FSAR REV. 24																	
26. FSAR Rev. 24 (D-24, 25, M-3)																	
05Apr97 07:00 <input type="checkbox"/>																	
SIGNIFICANT JOB: OTHER GENERIC ISSUES																	
27. Other Generic Letters (Elevated by N																	
11Mar97 07:00 <input type="checkbox"/> 11Jun97 15:00																	
GL 95-03, Circ. Cracking of SG Tubes																	
11Mar97 07:00 <input type="checkbox"/> 23Jun97 15:00																	
NRC review GL 95-03 letter																	
02Jun97 15:00 <input type="checkbox"/> 23Jun97 15:00																	
Submit resolution of issue to NRC																	
02Jun97 15:00																	
NRC Inspection																	
03Jun97 07:00 <input type="checkbox"/> 23Jun97 15:00																	
GL 95-07, Pressure Locking/Thermal Bindi																	
18Mar97 07:00 <input type="checkbox"/> 11Jun97 15:00																	
NRC review GL 95-07 letter																	
09Jun97 15:00 11Jun97 15:00																	
Submit resolution of issue to NRC																	
09Jun97 15:00																	
NRC Inspection																	
10Jun97 07:00 11Jun97 15:00																	
SIGNIFICANT JOB: 50.54(F) LETTER																	
28. 50.54(F) Letter (R-8) (Elevated by N																	
11Mar97 07:00 <input type="checkbox"/> 28Apr97 15:00																	
Submit SRR Procedure																	
11Mar97 07:00 <input type="checkbox"/> 21Apr97 15:00																	
NRC review 50.54(F) letter																	
18Mar97 07:00 <input type="checkbox"/> 28Apr97 15:00																	
Provide SRR Procedure to NRC																	
21Apr97 15:00																	
Submit Additional Letter																	
26May97 07:00 <input type="checkbox"/> 30May97 15:00																	
SIGNIFICANT JOB: S3200																	
11. OTSG Tech Spec																	
11Mar97 07:00 <input type="checkbox"/> 21Jul97 15:00																	
NRC review/approval OTSG Lic Am																	
24Mar97 15:00 <input type="checkbox"/> 23Jun97 15:00																	
Submit proposed License Amendment to NRC																	
24Mar97 15:00																	
Mode 4 Report																	
11Mar97 07:00 <input type="checkbox"/> 24Mar97 15:00																	
90-day Post-Outage Report																	
11Mar97 07:00 <input type="checkbox"/> 06Jun97 15:00																	
NRC inspection of SG Tubes																	
01Jun97 00:00																	
Jen Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec												Jen Feb Mar					
1997												1998					

GBC2 Run Date: 20Mar97												Page 8			Legend		
Project: RESTART												Time Now : 18Mar97 07:00			Activity Durn. 		
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. 		
Targets:												Required End: 31Dec98 23:00			Actual Progress 		
Showing Forecast Dates																	
1997												1998					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
SIGNIFICANT JOB: REG. GUIDE 1.97 ISSUES (RESTART)																	
33. Reg. Guide 1.97 Issues (Restart)																	
10Mar97 07:00  14Jul97 15:00																	
SIGNIFICANT JOB: CR-3 RESTART APPROVAL REQUEST																	
CR-3 Restart Approval Request																	
10Mar97 07:00  24Mar97 15:00																	
Letter request for restart																	
10Mar97 07:00  24Mar97 15:00																	
SIGNIFICANT JOB: MC 0350 ACTIONS																	
III. MC 0350 ACTIONS																	
21Mar97 00:00																	
Restart Panel Meetings																	
21Mar97 00:00  21Dec97 00:00																	
Assessment of Root Cause Identification																	
30Sep97 07:00																	
Assessment of Licensee Management Effect																	
21Jun97 00:00  21Nov97 00:00																	
Assessment of Plant and Corporate Staff																	
30Sep97 07:00																	
Assessment of Physical Readiness OF Plan																	
30Sep97 07:00																	
Assessment of Compliance with Regulatory																	
30Sep97 07:00																	
Coordination with Interested Agencies an																	
30Sep97 07:00 																	
SIGNIFICANT JOB: OTHER (NON-RESTART) LICENSING ACTIONS																	
IV. NON-RESTART ISSUES																	
18Feb97 07:00 																	
SIGNIFICANT JOB: ISI INTERVAL EXTENSION																	
I. ISI Interval Extension																	
05Feb97 07:00  14Mar97 17:00																	
Submit letter to NRC																	
14Mar97 07:00 14Mar97 07:00																	
Identify Relief Requests needed for 3rd																	
14Oct97 07:00  24Dec97 11:00																	
NRC review/approval Relief Requests for																	
08Dec97 15:00  20Dec97 07:00																	
Submit Relief Request to NRC.																	
08Dec97 15:00																	
Identify IST Relief Requests needed for																	
14Oct97 07:00  24Dec97 11:00																	
NRC review/approval IST Relief Requests																	
08Dec97 15:00  20Dec97 07:00																	
Submit Relief Request to NRC.																	
08Dec97 15:00																	
SIGNIFICANT JOB: REG. GUIDE 1.97 ISSUES (NON-RESTART)																	
3. Tsat, DH Flow Tech Spec, TSCRN 209																	
18Mar97 07:00  01Aug97 09:00																	
Submit proposed Tsat/DH Flow License Am																	
18Mar97 07:00																	
NRC review Tsat, DH Flow TS submittal																	
09May97 09:00  04Jul97 09:00																	
Submit supplement																	
09May97 09:00																	
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
1997												1998					

GEC2 Run Date: 20Mar97												Page 9			Legend					
Project: RESTART												Time Now 18Mar97 07:00			Activity Durn. 					
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. 					
Targets:												Required End: 31Dec98 23:00			Actual Progress 					
Showing Forecast Dates																				
1997												1998								
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar					
SIGNIFICANT JOB: IPEEE SUBMITTAL																				
4. IPEEE Submittal																				
11Mar97 07:00  05May97 15:00																				
Submit IPEEE letter to NRC																				
05May97 15:00																				
SIGNIFICANT JOB: CRITICALITY MONITOR																				
5. Criticality Monitor																				
01Apr97 07:00  08Sep97 15:00																				
Submit Exemption For criticality monitor																				
01Apr97 07:00  08Sep97 15:00																				
NRC review/approval xemption on Critical																				
09Jun97 15:00  08Sep97 15:00																				
Submit proposed Exemption to NRC.																				
09Jun97 15:00																				
SIGNIFICANT JOB: FSAR REV. 25																				
6. FSAR Rev. 25																				
22Dec97 07:00 																				
SIGNIFICANT JOB: SECURITY PLAN UPGRADE																				
7. Security Program Plan Upgrade																				
18Mar97 07:00  01Sep97 15:00																				
NRC Security and Safeguards Inspection																				
18Mar97 07:00  02Apr97 15:00																				
Security Upgrade (Vehicle gate, new turn																				
19Mar97 07:00  08May97 15:00																				
NRC review Security Upgrade #1 submittal																				
09May97 07:00  22May97 15:00																				
Docket (p) changes																				
09May97 07:00  15May97 15:00																				
NRC Inspection																				
22May97 15:00																				
Sec Upgrade (Lights, IDF East, search CC																				
09May97 07:00  14Jul97 15:00																				
NRC review Security Upgrade #2 submittal																				
20Jun97 07:00  14Jul97 15:00																				
Docket (p) changes																				
01Jul97 07:00  07Jul97 15:00																				
Biometrics Exemption																				
31Mar97 00:00  15Aug97 15:00																				
NRC review Biometrics Exemption submitta																				
31Mar97 07:00  23May97 15:00																				
Docket proposed (p) changes																				
31Mar97 07:00  11Apr97 15:00																				
Submit Final (p) changes For Biometrics																				
26May97 07:00  15Aug97 15:00																				
SIGNIFICANT JOB: SEVERE ACCIDENT MANAGEMENT																				
10. Severe Accident Management																				
13Mar97 07:00  30Jun97 00:00																				
NRC review Severe Accident Management ie																				
18Mar97 07:00  30Jun97 00:00																				
Deferral letter to NRC																				
30Jun97 00:00																				
SIGNIFICANT JOB: NEW TS ON CHILLED WATER																				
New TS on Chilled Water																				
24Mar97 07:00  13Nov97 15:00																				
1997												1998								
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar					

GBC2 Run Date: 20Mar97												Page 10			Legend		
Project: RESTART												Time Now : 18Mar97 07:00			Activity Durn. 		
Version: 01 Restart Detail Schedule												Forecast End: 29May98 15:00			Critical Durn. 		
Targets:												Required End: 31Dec98 23:00			Actual Progress 		
Showing Forecast Dates																	
1997												1998					
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
SIGNIFICANT JOB: NEW TS ON CHILLED WATER																	
												NRC review/approval New TS on Chilled Wa					
29May97 15:00															16Oct97 00:00		
												Submit proposed License Amendment to NRC					
29May97 15:00																	
SIGNIFICANT JOB: RCP FLYWHEEL INSPECTION																	
												12. RCP Flywheel Inspection					
08Apr97 07:00															24Dec97 15:00		
												NRC review/approval TS RCP Flywheel Insp					
11Jun97 15:00															12Nov97 15:00		
												Submit proposed License Amendment to NRC					
11Jun97 15:00																	
												NRC Inspection regarding RCP Flywheel In					
13Nov97 07:00															24Dec97 15:00		
SIGNIFICANT JOB: TENDON SURVEILLANCE TSCRN																	
												14a. Tendon Surveillance TSCRN					
												01Oct97 07:00					
												NRC review/approval TS tendon surveillan					
												19Dec97 15:00					
												Submit proposed License Amendment to NRC					
												19Dec97 15:00					
SIGNIFICANT JOB: CHANGE THE ISI VALIDATION COMMITMENT																	
												Change the ISI Validation Commitment					
31Mar97 07:00															08Jul97 15:00		
												NRC review/approval ISI Validation Commi					
30May97 15:00															11Jun97 07:00		
												Submit ISI Validation Commitment to NRC.					
30May97 15:00																	
SIGNIFICANT JOB: RELIEF REQUEST FROM REQ. OF IWE/IWL																	
												Relief request from requirements of IWE/					
01Apr97 07:00															11Jul97 15:00		
												NRC review/approval Relief Request From					
02Jun97 15:00															14Jun97 07:00		
												Submit Relief Request to NRC.					
02Jun97 15:00																	