



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

December 22, 1999

Mr. R. P. Powers
Senior Vice President
Nuclear Generation Group
American Electric Power Company
500 Circle Drive
Buchanan, MI 49107-1395

SUBJECT: SUMMARY OF THE DECEMBER 2, 1999, D. C. COOK PUBLIC MEETING

Dear Mr. Powers:

On December 2, 1999, the Nuclear Regulatory Commission (NRC) held a public meeting at the D. C. Cook Training Center in Bridgman, Michigan. The meeting was held to discuss the status of the D. C. Cook restart and NRC Manual Chapter (MC) 0350 oversight inspections. Formal presentations were made by the Indiana Michigan Power Company (licensee) staff. Enclosure 1 is a list of attendees for the meeting, and a copy of the slides used by the licensee is provided as Enclosure 2.

The MC 0350 public meetings between the licensee and the NRC staff are designed to provide a mechanism for the exchange of information and an update on the status of the readiness of the units at D. C. Cook to restart. High-level management from the NRC and the licensee participated in the meetings.

The licensee's presentations at the December 2, 1999, meeting provided the status of the restart action plan, as well as the status of restart milestones in several performance areas including operations readiness, containment and systems readiness, and programmatic readiness.

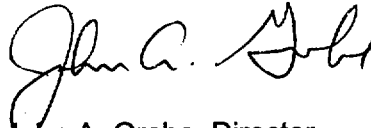
The licensee presented various graphics describing performance indicators in several key areas including restart schedule progress, root cause quality, and surveillance improvement program. The licensee and the NRC staff held extensive discussions on the status of modifications, and what actions are being taken to prepare operators for restart. The licensee also presented the status of system turnover to operations, with six systems having been completed.

The licensee stated that significant progress has been made in resolving restart issues including Confirmatory Action Letter items and other NRC Manual Chapter 0350 Case Specific Check List Items. However, due to the increase in work items caused by emergent High Energy Line Break and Environmental Qualification issues, a planned Unit 2 restart in early February 2000 would be difficult to meet. The licensee stated that plant restart would most likely occur in early March 2000, with 100 percent power being reached around March 20, 2000. The NRC staff stated that currently planned inspections will be rescheduled as necessary based on these changes in the restart schedule.

PDR ABOCK

Finally, the group discussed license submittals requiring NRC action prior to restart. The NRC staff stated that the resolution of issues involving undervoltage setpoint changes would be a topic of future discussion. A meeting has been planned for late December 1999, between the NRC staff and licensee engineering staff, to discuss this issue.

Sincerely,



John A. Grobe, Director
Division of Reactor Safety

Docket Nos. 50-315; 50-316
License Nos. DPR-58; DPR-74

Enclosures: 1. List of Meeting Attendees
2. Licensee's Slide Presentation

cc w/encls: A. C. Bakken III, Site Vice President
J. Pollock, Plant Manager
M. Rencheck, Vice President, Nuclear Engineering
R. Whale, Michigan Public Service Commission
Michigan Department of Environmental Quality
Emergency Management Division
MI Department of State Police
D. Lochbaum, Union of Concerned Scientists

December 2, 1999, Meeting Attendees List

NRC

Jim Dyer, Regional Administrator, Region III
Bruce Bartlett, Senior Resident Inspector, D. C. Cook
Claudia Craig, Section Chief, PD-III, DLPM, NRR
John Grobe, Director, Division of Reactor Safety
David Passehl, Project Engineer, Division of Reactor Projects
John Stang, Project Manager, NRR
Anton Vogel, Chief Division of Reactor Projects Branch 6

AEP

Bob Powers, Senior Vice President
Joe Pollock, Plant Manager
Tom Noonan, Plant Manager
Dave Jenkins, AEP Lawyer Department
Mike Marano, AEP Business Service Director
Ron Gaston, AEP Regulatory Affairs
Chris Bakken, Site Vice President
Robert Godley, Director, Regulatory Affairs
Mike Rencheck, Vice President, Nuclear Engineer

Others

Dan Salter, Senior Project Manager, Hawks, Giffels, Pullen, Inc.

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Sincerely,
s/ J. Grobe

John A. Grobe, Director
Division of Reactor Safety

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- J. Pollock, Plant Manager
- M. Rencheck, Vice President, Nuclear Engineering
- R. Whale, Michigan Public Service Commission
- Michigan Department of Environmental Quality
- Emergency Management Division
- MI Department of State Police
- D. Lochbaum, Union of Concerned Scientists

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OFFICE	RIII	E	RIII	RIII				
NAME	Passehl/sb		Vegel cp/ser	Grobe				
DATE	12/16/99		12/16/99	12/17/99				

OFFICIAL RECORD COPY

R. Powers

-3-

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JFS2 (Project Mgr.) (E-Mail)

J. Caldwell, RIII w/encls

B. Clayton, RIII w/encls

SRI D. C. Cook w/encls

DRP w/encls

DRS w/encls

RIII PRR w/encls

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COOK NUCLEAR PLANT

American Electric Power

Meeting with

Nuclear Regulatory Commission

Restarting D. C. Cook
December 2, 1999

Agenda

■ **Introduction & Schedule
Status**

Bob Powers

■ **Restart Metrics**

Chris Bakken /

Mike Rencheck / Joe Pollock

■ **Regulatory Activities**

Robert Godley

■ **Wrap-up**

Bob Powers

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Restart Milestones

**Chris Bakken
Mike Rencheck
Joe Pollock**

Restart Milestones

Organizational Readiness

- FAA Reviews Approved
- Restart SIDS Items Remaining
- Self Identified C/Rs
- Root Cause Quality*
- Restart Training Items Remaining

Operations Readiness

- Operations Procedures Remaining*
- Surveillance Improvement Procedure Activities Remaining*
- EOP Project Activities Remaining*
- Operability Determinations Remaining*
- Operator Workarounds Remaining*

Restart Milestones

Systems and Containment Readiness

- ESRR Reviews Approved
- Restart Mods to Complete*
- Systems to be Accepted by Operations*
- Temporary Mods*
- Corrective Maintenance

Programmatic Readiness

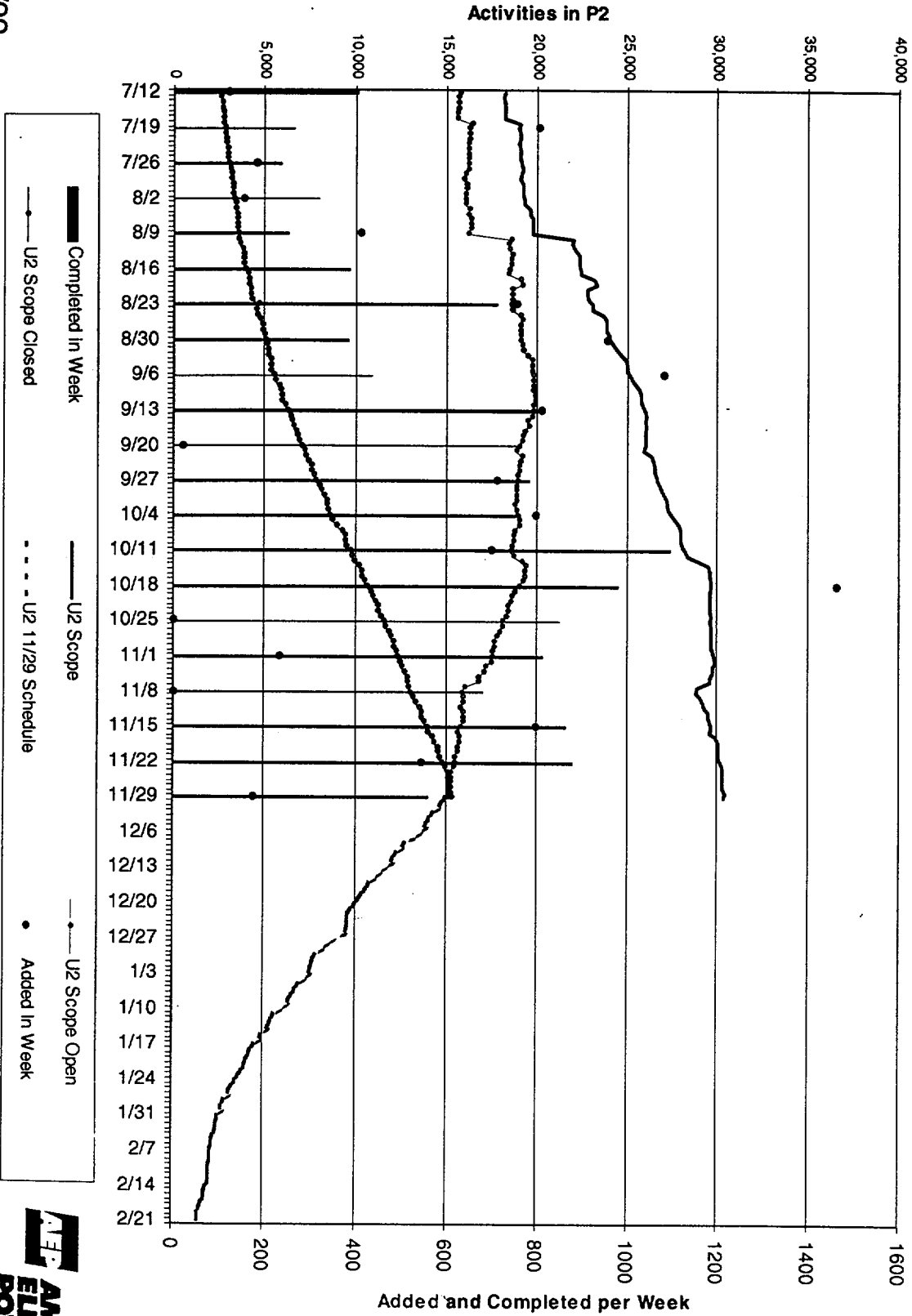
- Programmatic Readiness Reviews
- 50.59 Quality
- Restart FSAR Change Requests to submit
- Calculation Quality

Regulatory Readiness

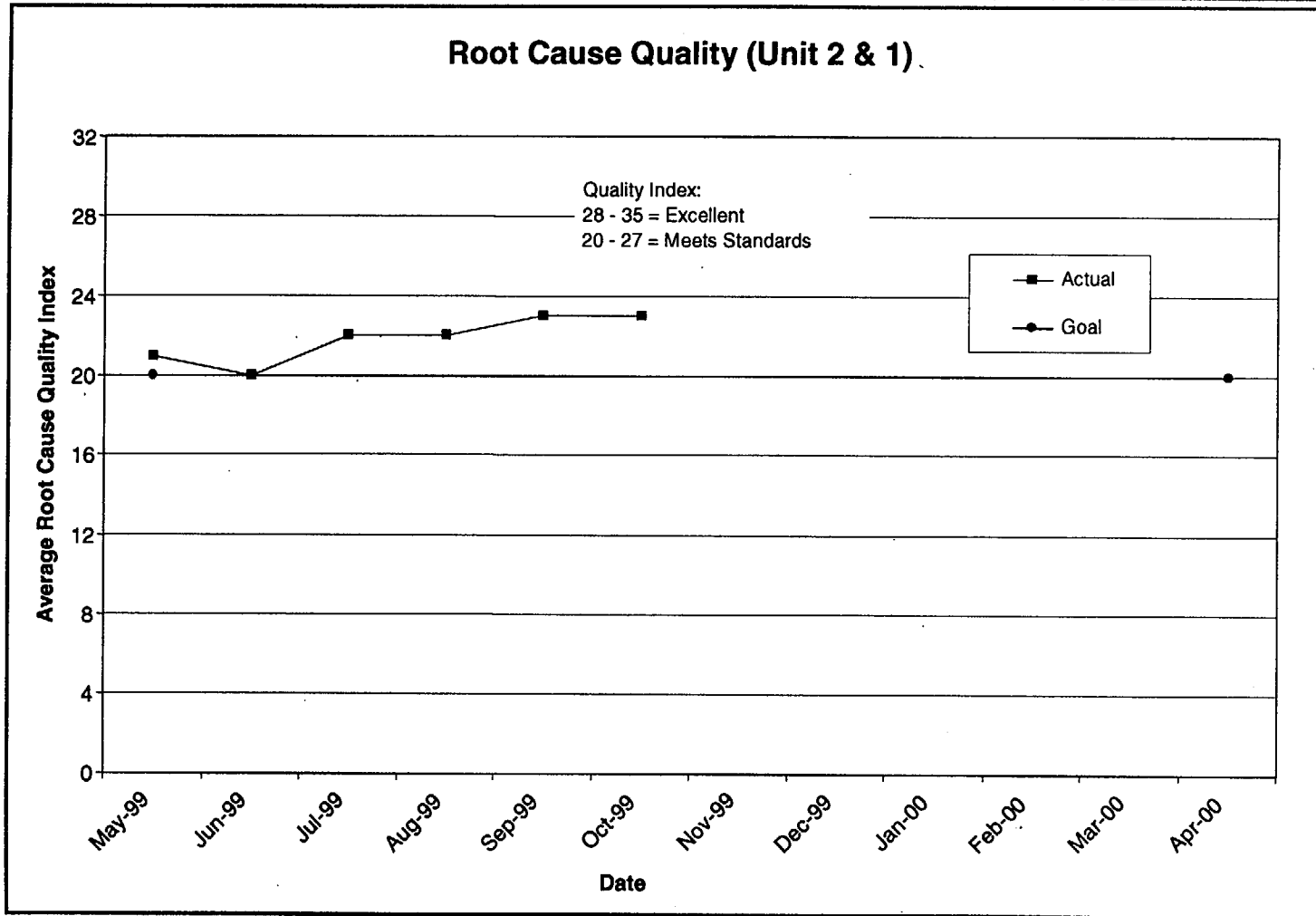
- 0350 Items
- License Submittals

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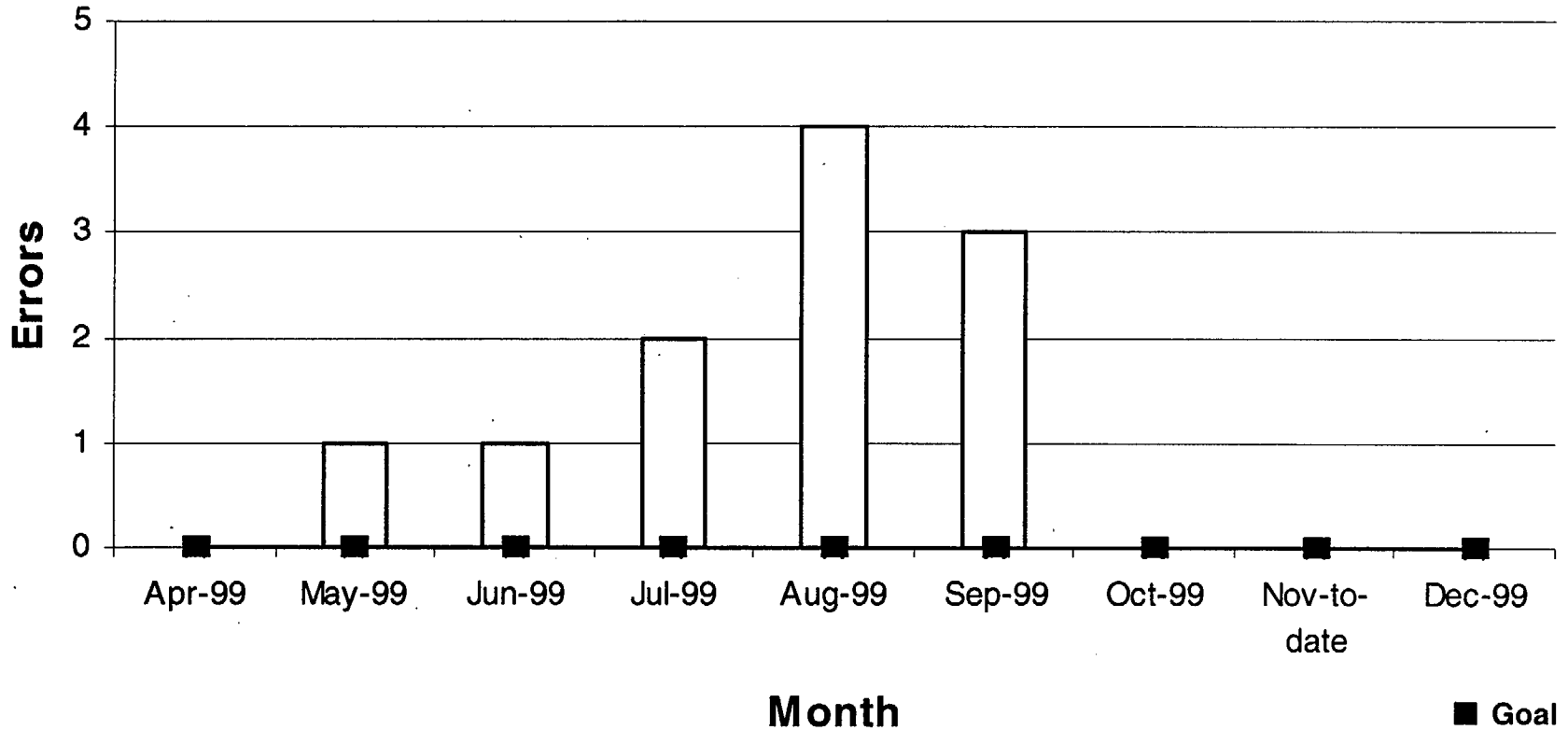
Schedule Progress



Root Cause Quality

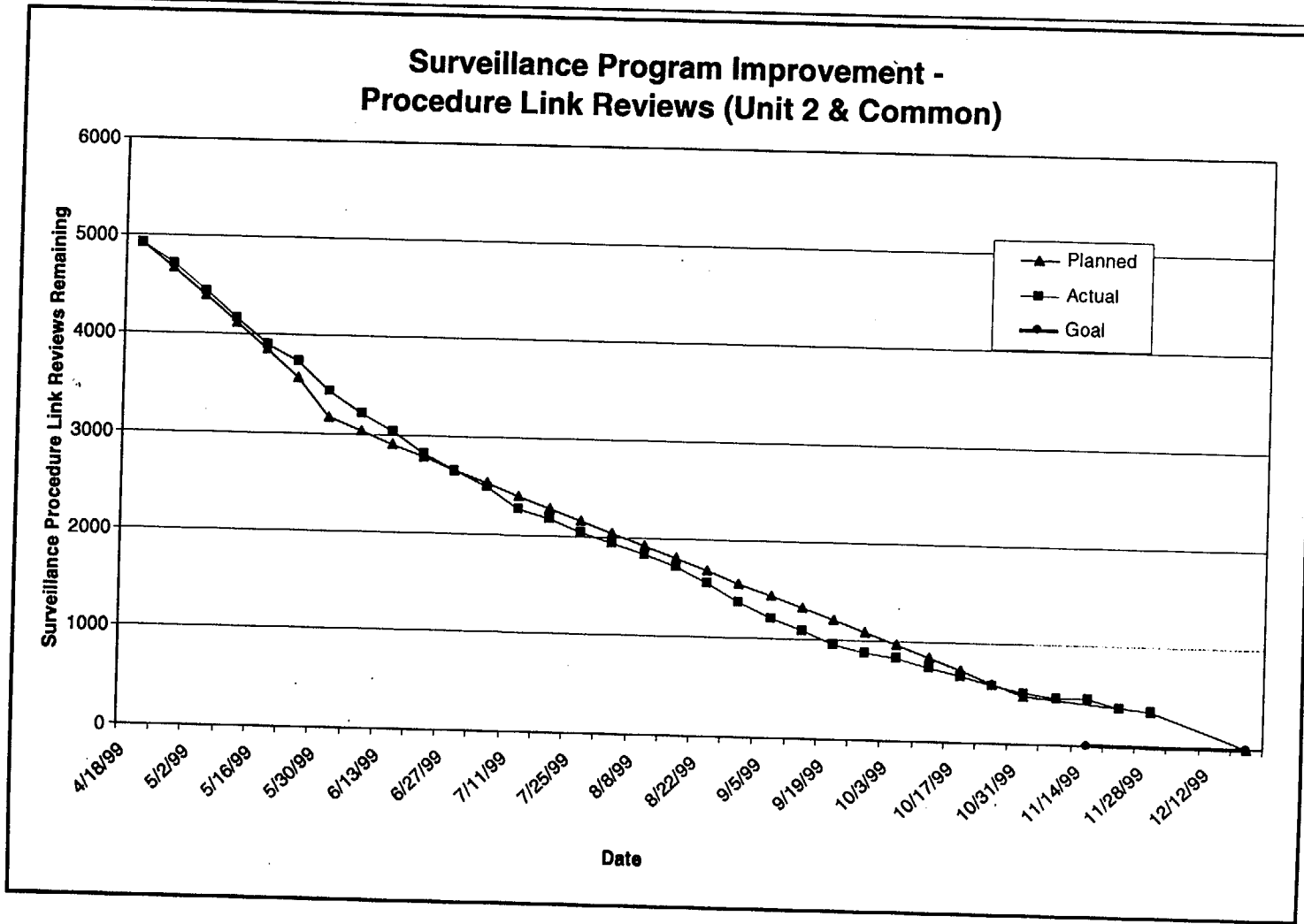


Clearance Permit Errors



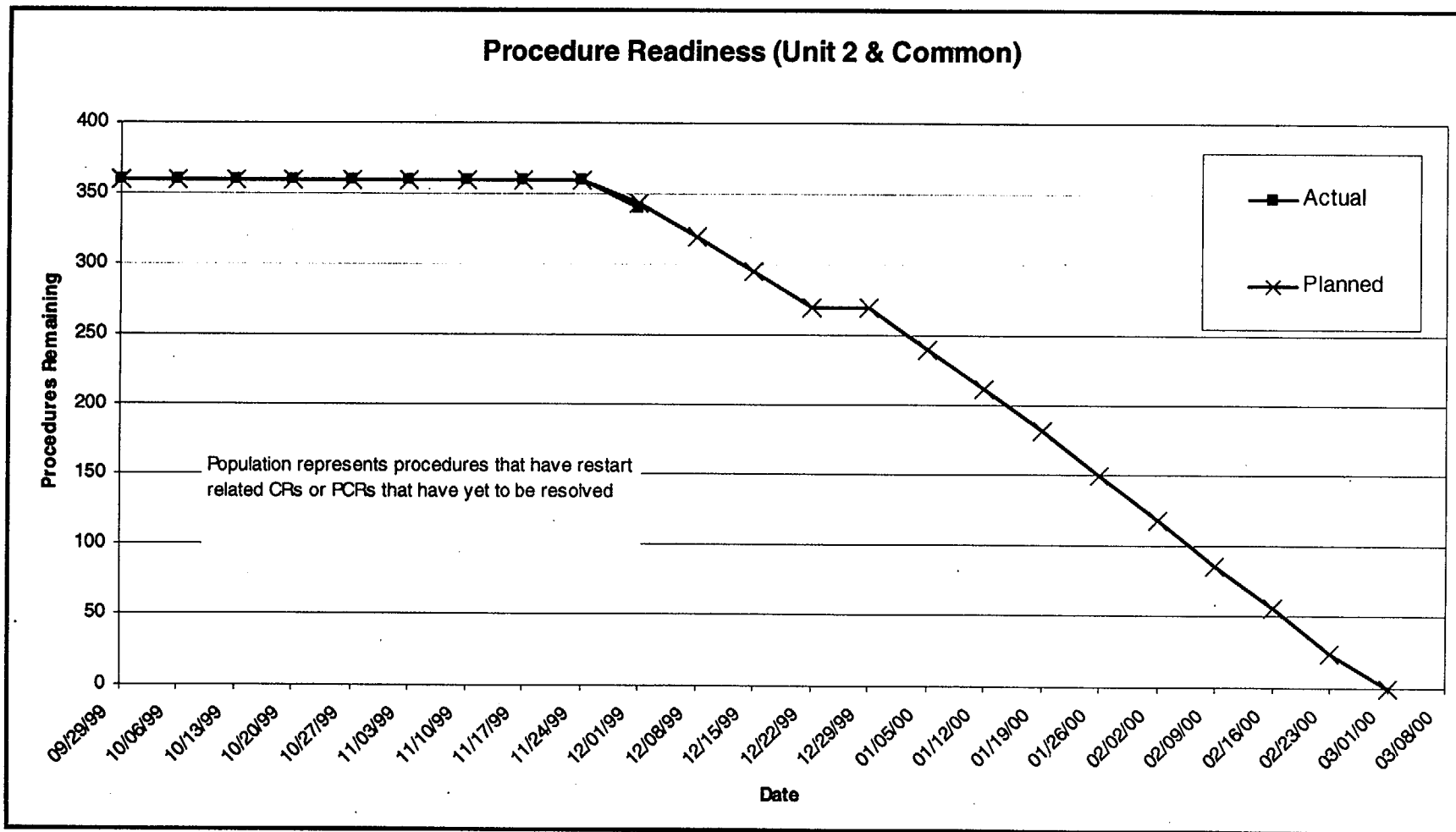
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Surveillance Improvement Program

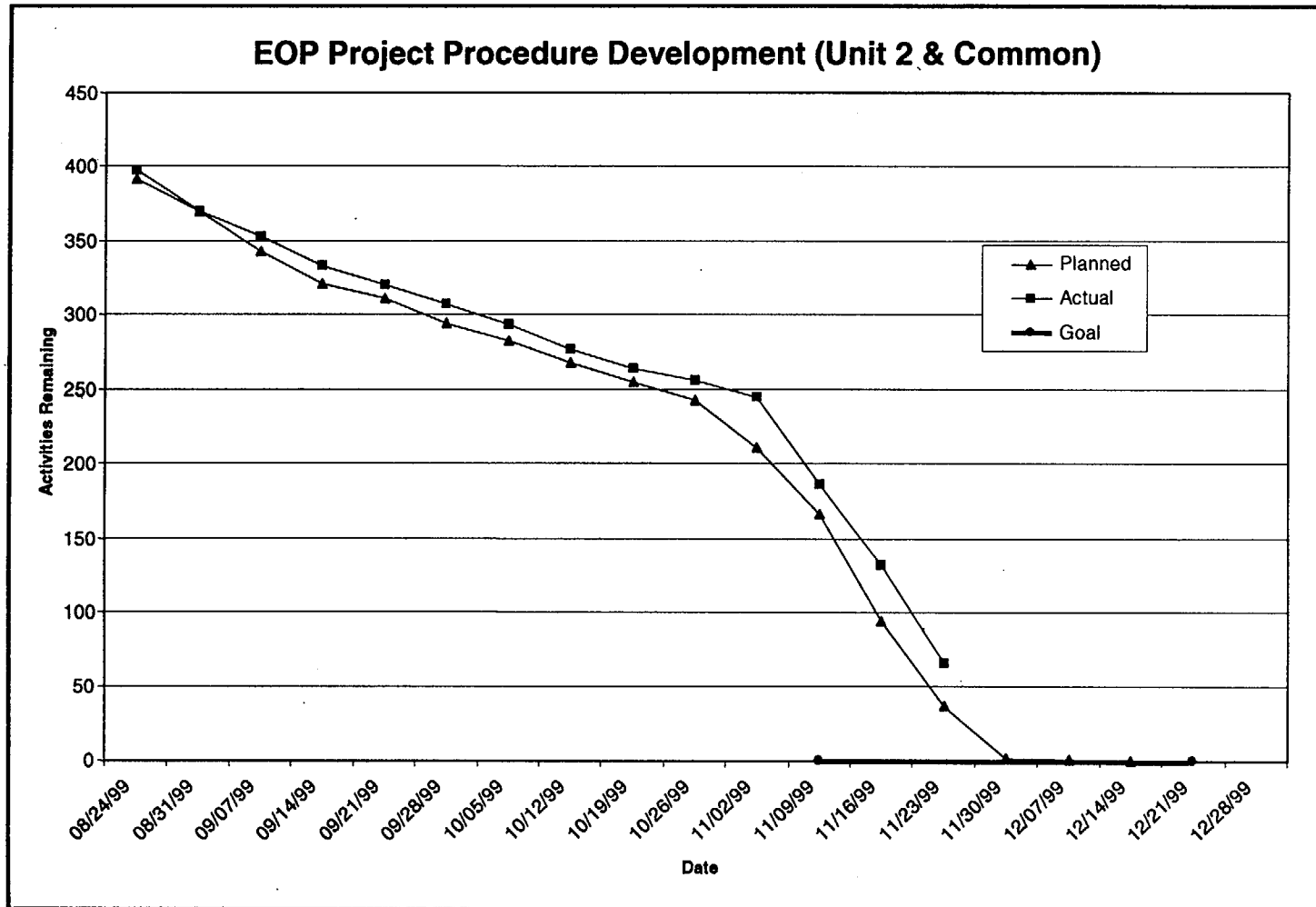


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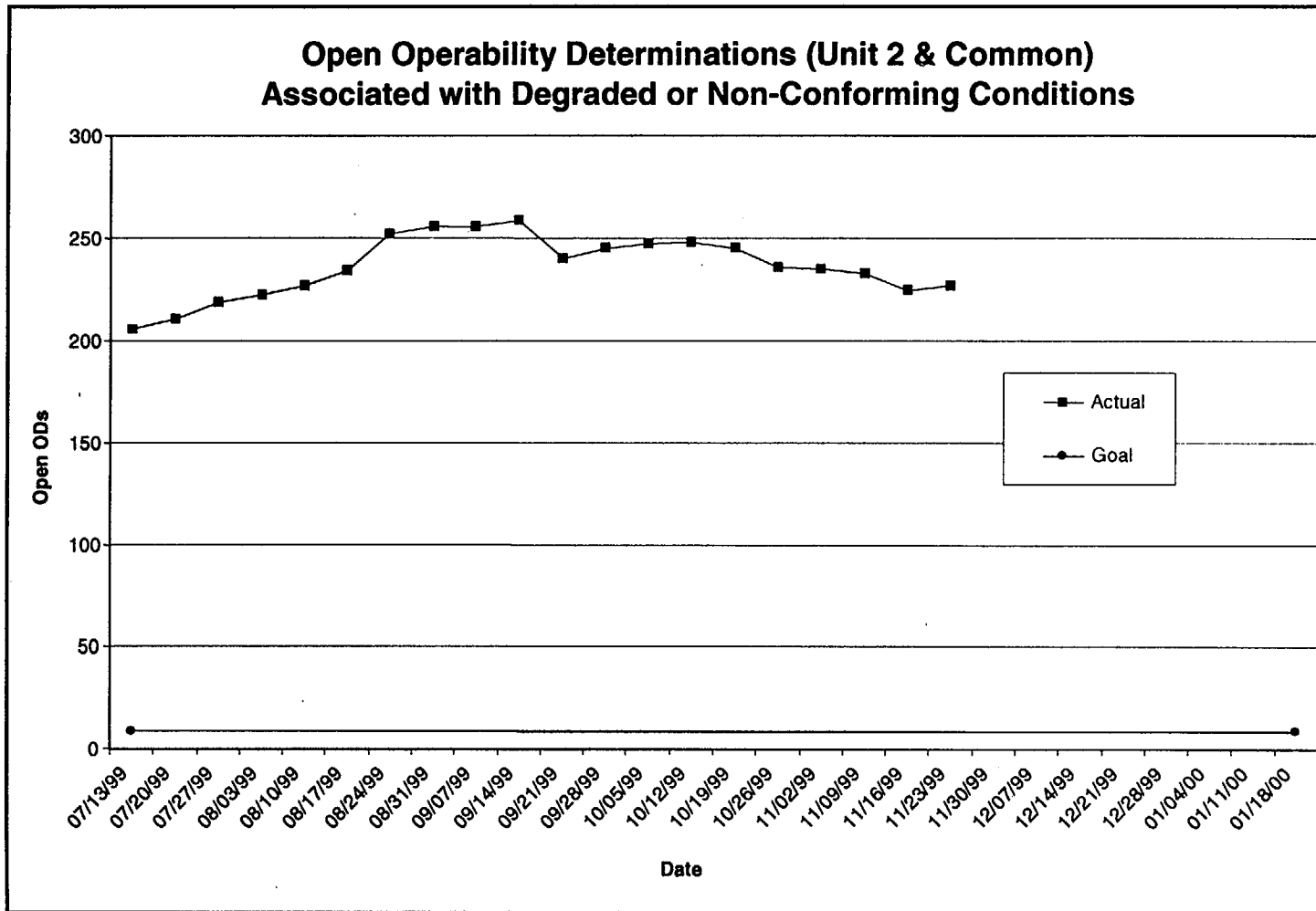
Operations Procedures Upgrade Project



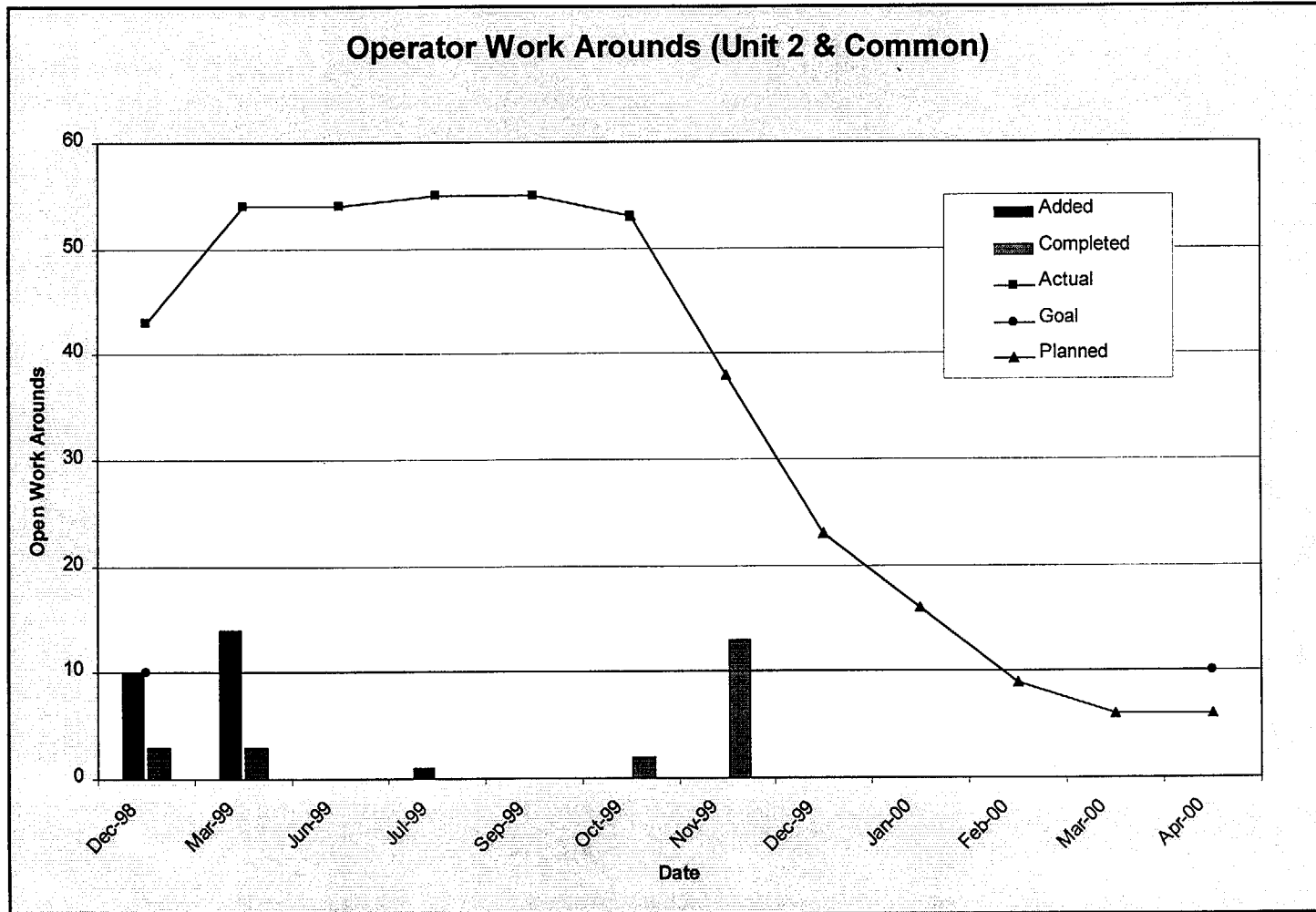
Emergency Procedure Upgrade Project



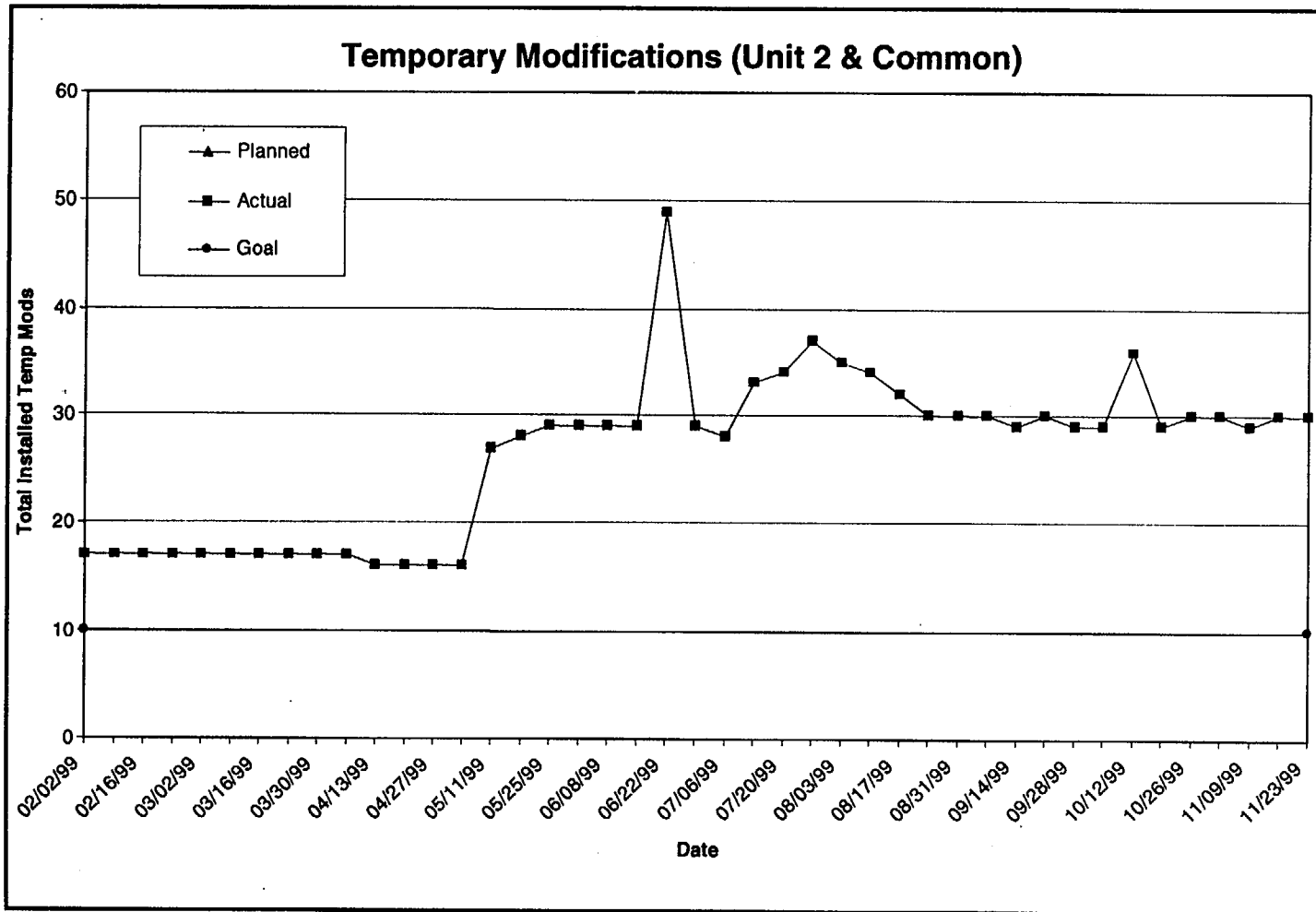
Open Operability Determinations



Operator Workarounds



Temporary Modifications



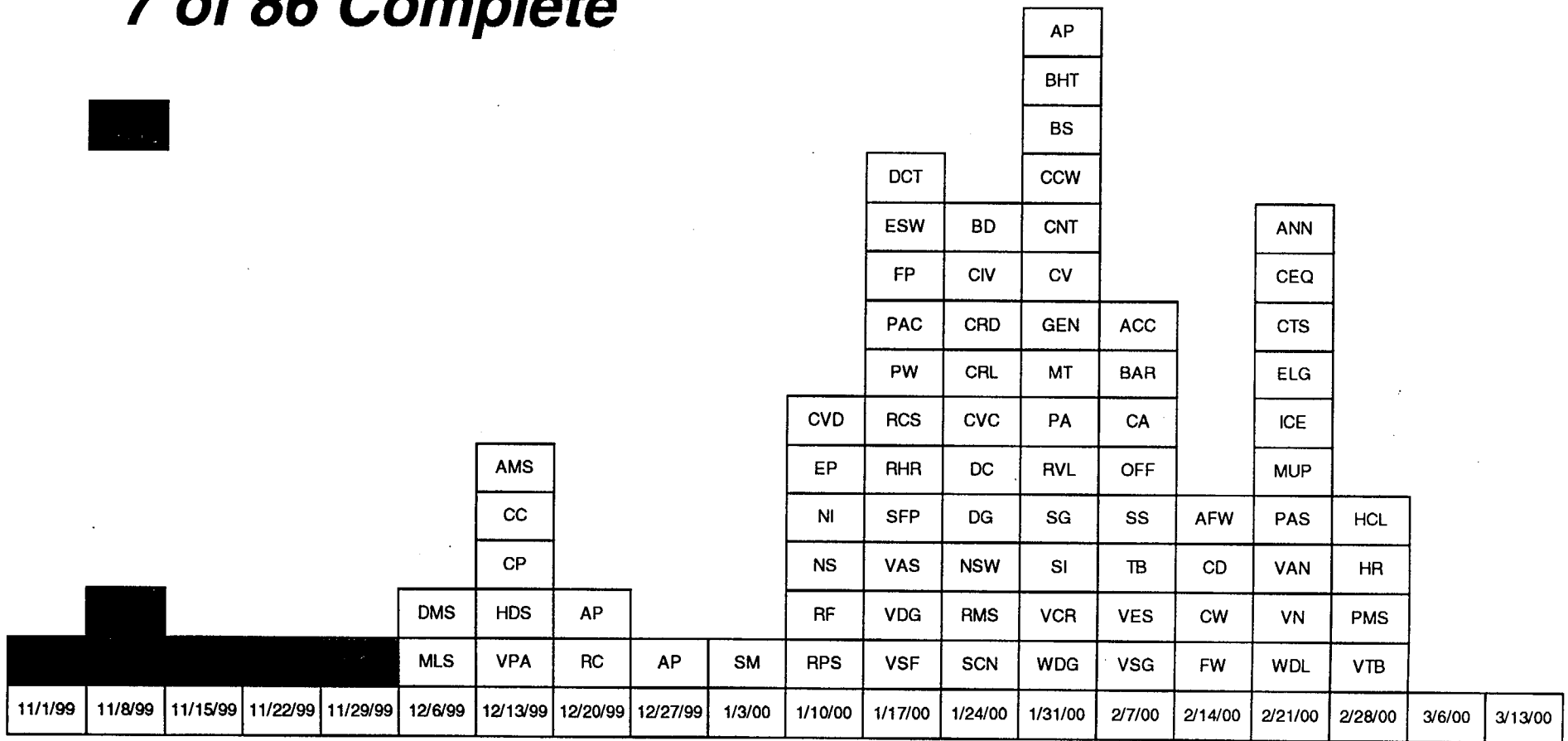
Status of Plant Modifications

	10/28/99	11/30/99
■ Total Discovery Modifications	272	314
■ Screened Out	-31	-48
■ Post Restart	-23	-44
■ Actual / Potential Modifications	<u>218</u>	<u>222</u>
<hr/>		
■ Delivered to Field	54	103
■ Currently Scheduled	73	81
■ Schedules Needed - Major	17	0
■ Schedules Needed - Minor	16	26
■ On Hold	9	8
	<u>169</u>	<u>218</u>
<hr/>		
■ Re-evaluations	<u>49</u>	<u>4</u>
	<u>218</u>	<u>222</u>

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System Turnover to Operations Complete Milestones

7 of 86 Complete



Note: 1 system completed prior to 11/1 - DMM

16

12/2/99

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Regulatory Activities

Robert Godley

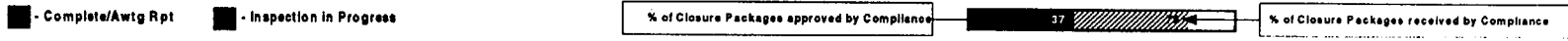
Director - Regulatory Affairs

RESTART ACTION PLAN (RAP) PROGRESS AND PERFORMANCE CHART

1700 12/01/99

0350 Item	RAP Development & Approval							U2 RAP Work Activity Progress					U2 RAP Closure Packages					PA		NRC Inspection	
	Accountable Managers	Condition Report (CR)		Restart Action Plan (RAP)			SMRT Approval	In Integrated Schedule?		Scheduled Activities % Complete			CPs with Compliance/CPs Total	Closure Package (CP) % Complete					Assessment Completed	Inspection Date(s)	IR Nos.
		RCA	CARB	Owner Org	Reg Compl	SRRB		Yes	No	0	25	50		75	100	0	25	50			
1 A-E	D. Crouch / P. Gember	98-1181 99-04-10	7/14/99	10/1/99	10/6/99	10/7/99	11/2/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	82			34/64	61	52			11/24/99	12/8-12/7	99033	
2 A	M. Danford / C. Hutchinson	97-3360	9/15/99	9/17/99	9/17/99	9/17/99	9/22/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100			8/8	100				8/10/99	11/15/99	99024 Closed	
B		97-3360	9/15/99	9/17/99	9/17/99	9/17/99	9/22/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	77			8/8	100				11/15/99	11/25-12	99029	
3 A	S. Farlow / W. Ehert	99-0594	9/8/99	10/12/99	10/12/99	10/13/99	10/15/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	86			26/33	78				11/15/99	11/29-12	99029	
B	S. Farlow / R. Grumbir	98-3291	10/6/99	9/16/99	9/19/99	9/17/99	10/19/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	81			17/21	76				11/15/99	11/29-12	99029	
C	S. Farlow / J. Kovarik	97-2312	9/15/99	9/23/99	9/24/99	9/24/99	11/5/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	86			12/12	100				11/3/99		99032	
D	S. Farlow / K. Green	98-7575	7/28/99	10/19/99	10/22/99	10/19/99	10/25/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	87			4/8	56				11/15/99	11/20-12	99029	
4 A & B	R. Godley / R. Casnel	98-5339	8/25/99	9/21/99	9/20/99	9/21/99	9/21/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	96			16/16	81				9/3/99		99023	
5	B. Wallace / W. Nelson	98-5687	4/30/99	7/30/99	8/3/99	8/25/99	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100				100				N/A	11/16/99	99023 Closed	
6	D. Haler / E. Young J. Allard / P. Schoepf		9/30/99	9/22/99	9/22/99	9/28/99	11/5/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	62			26/59					1/22/99	9/14-12/	99024	
7	K. Riehas / J. Pollock / J. Gelston	N/A	N/A	9/24/99	9/24/99	9/24/99	11/15/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	74			0/1	0	No "Restart Required" Action Items			11/9/99		99032	
8	L. Thornberry / J. Sankey	98-1130 98-2040	11/11/99	8/27/99	8/28/99	11/18/99	11/24/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	83			12/30	40				11/26/99	11/29-12/	99029	
9	L. Thornberry / J. Sankey	98-614 98-617	9/10/14/99	10/13/99	10/13/99	10/14/99	10/27/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	68			4/8	44				11/15/99	11/29-12/	99029	
10	L. Thornberry / J. Gebbe	98-1226	10/5/29	8/5/99	8/10/99	10/5/99	11/1/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	85			4/8	50				11/15/99	11/29-12/	99029	
11	L. Thornberry / J. Gebbe	97-3429	9/15/99	9/23/99	9/23/99	9/23/99	10/5/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	93			18/18	100				10/1/99	11/29-12/	99029	
12	J. Glass / S. Chakrabarti	99-18478	10/7/99	10/7/99	10/8/99	10/8/99	11/6/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	72			6/11					11/22/99	9/14-12/	99024	
13 A	S. Lacey / L. Thornberry	N/A	N/A	8/21/99	8/21/99	8/29/99	10/15/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	60			7/13	38				9/23/99	9/17/99	99022 3, 6, 7 Closed	
B	System and Containment Final Readiness Review of 18A							<input checked="" type="checkbox"/>	<input type="checkbox"/>	60			7/13	38				< 12/22/99	1/25-1/30		
14 A	G. Harland / D. Crouch	N/A	N/A	9/2/99	5/2/99	9/3/99	10/5/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									9/24/99	9/17/99	99013 Closed	
B	R. Tinkle / J. Holden	99-13984	11/23/99	RST-1999-009-MINT		10/21/99	11/20/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									11/29/99	12/3-12/7	99034	
C	T. Camilleri / M. Finlay	99-13697	11/23/99	SA-1999-003/014-ERP		11/24/99	11/24/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									< 11/22/99	12/3-12/7	99034	
D	R. Rickman / J. Weber	99-1657	8/11/99	RST-1999-005-OPS		9/10/99	11/4/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									11/22/99	12/8-12/7	99033	
E	J. Pollock / K. Riehas	N/A	N/A	SA-1999-008-NE D		11/15/99	11/24/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									11/15/99	11/20-12/	99029	
F	T. MacCoy / L. Weber	99-09338	11/19/99	RST-1999-007-OPS		9/22/99	12/01/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>									< 11/22/99	12/3-12/7	99034	
Q	G. Harland / D. Crouch	Programmatic Final Readiness Review of 14A							<input checked="" type="checkbox"/>	<input type="checkbox"/>	90			10/16	10			< 12/22/99	1/28-1/30		
16 A	T. Noonan / L. Weber	N/A	N/A	9/2/99	8/2/99	9/3/99	10/5/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	90			9/18	10				9/24/99	9/17/99	99013 Closed	
B	Functional Area Final Readiness Review of 18A							<input checked="" type="checkbox"/>	<input type="checkbox"/>	90			9/18	10				< 1/11/00	2/1-2/4		
16	D. Sa / R. Wihrow	99-6150	9/17/99	9/9/99	9/13/99	11/23/99	12/8/99	<input checked="" type="checkbox"/>	<input type="checkbox"/>	56			2/38					< 1/7/00	1/10-1/14		

- Approved/Complete
 - Approved with Comments
 - Scheduled Review Date
 - Tabled / Overdue
 GP - Completed as Green Package
 < - Complete Before This Date

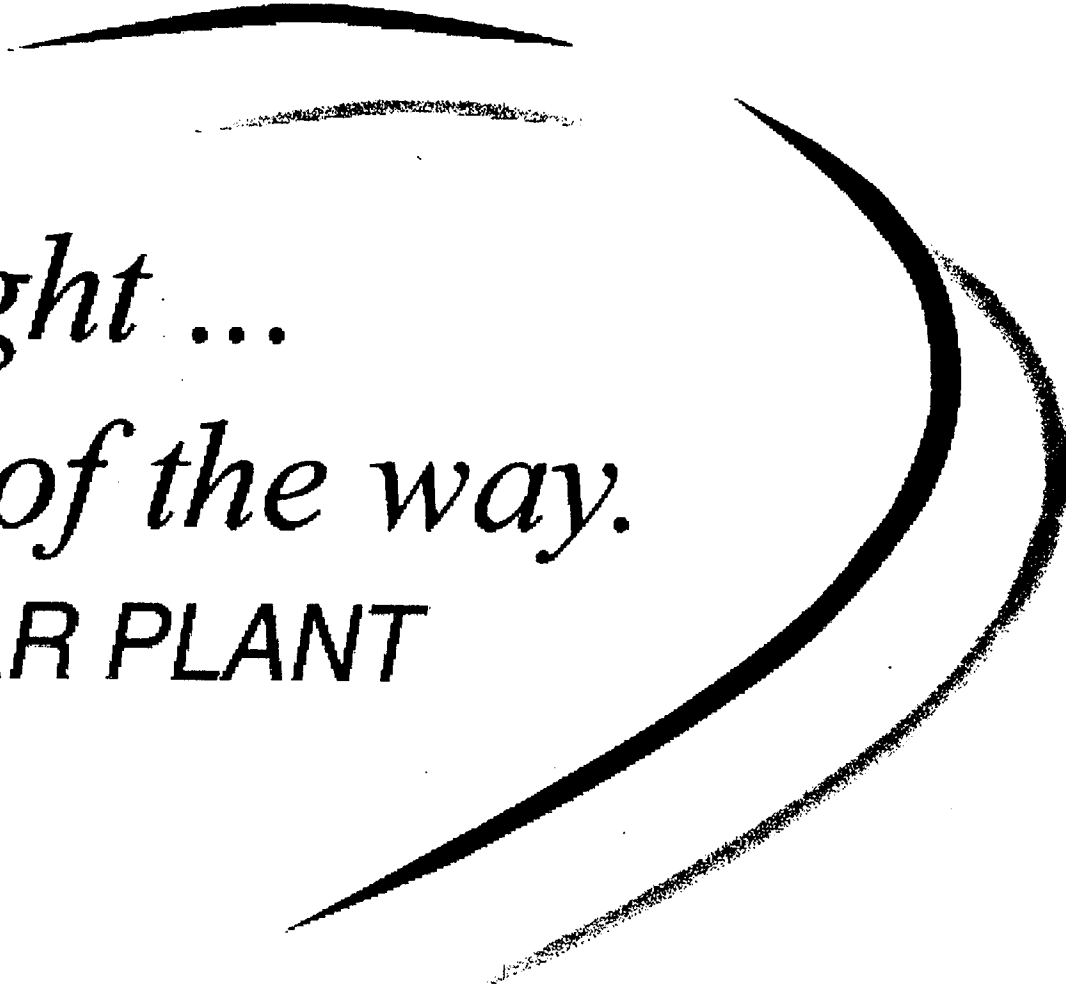


- Programmatic Breakdown in Surveillance Testing
 - Inadequate Instructions in Surveillance Tests
 - Acceptance Criterion Lack Sufficient Margin to Analysis Limit
 - Failure to Meet Technical Specification Requirements
 - Preconditioning of Equipment Prior to Surveillance Testing
 - Failure to Assess and Control the Quality of Contractors Performing Surveillance Testing
- Corrective Action Program Breakdown
- Programmatic Breakdown in the Maint. of the Design Basis
 - Inadequate Design Control
 - Failure to Update UFSAR
 - Failure to Consider Instrument Uncertainties
 - Consideration of System/Component Failure Modes
- Safety Evaluations
 - Operator Training Issues
 - Resolution of Ice Condenser Issues
 - Resolution of Non-Safety Related Cables Going to Shunt Trip Coils
 - Resolution of Hydrogen Recombiner Operability Issues
 - Resolution of Distributed Ignition Technical Specification Issue
 - Resolution of Containment Spray System Operability Issues
 - Resolution of Hydrogen Mitigation System Operability and Mat'l Condition Issues
 - Resolution of Containment Liner Pitting
 - Systems and Containment Readiness Assessments
- Programmatic Readiness Assessment
 - Programmatic Problem Discovery
 - Contractor Control Program
 - Preventive Maintenance Program
 - Emergency Operating Procedures Program
 - Electrical Protection Coordination Including Fuse/Breaker Control Program
 - Operability Determination Program
 - Programmatic Final Readiness Reviews
- Functional Area Readiness Assessment
- Resolution of Operability of MOVs in the GL 89-10 Program

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Key Licensing Activities - License Changes

#	Subject	Unit(s)	Final Inputs to Licensing	Submittal Drafted	PORC Meeting	NSDRC Meeting	NRC Submittal Date	NRC RAI	AEP Response to RAI	NRC Approval/Concurrence Required By
1	Rod Insertion - Switchover USQ	1&2	Complete	Complete	Complete	Complete	9/17/99	10/26/99	11/10/99 11/19/99	12/22/99
2	Post Accident Containment Sump Inventory Issues (Sump Level, RWST Volume, Ice Mass & Melt Rate) - Cal Item #1	1&2	Complete	Complete	Complete	Complete	10/1/99	11/10/99	11/19/99	12/13/99
3	Containment Spray Pump/ Spray Additive Flow Surveillance Change to Standard Tech Spec	1&2	Complete	Complete	Complete	Complete	10/12/99	N/A	N/A	12/22/99
4	Under Voltage Set Point Changes - Complete Tech Spec Submittal	2	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
5	Accumulator Isolation Valve Breaker Rackout	1&2	Complete	Complete	Complete	Complete	11/5/99	N/A	N/A	12/22/99
6	RCS Volume - Administrative Tech Spec change eliminating RCS Volume in Section 5 using Standard Tech Spec format methods	1&2	Complete	Complete	12/8/99	12/14/99	12/16/99	TBD	TBD	1/25/00
7	Modification of 0737 Order for Post Accident Hydrogen Monitor (currently 30 minutes)	1&2	11/29/99	12/7/99	12/13/99	12/17/99	12/22/99	TBD	TBD	
UNIT 1 Steam Generator Repair Project Related										
8	Heavy Loads (SGRP)	1	Complete	Complete	Complete	Complete	9/23/99	10/18/99	11/10/99	12/7/99
9	RCS Chemistry Sampling in Modes 5 & 6	1&2	Complete	Complete	Complete	Complete	9/10/99	N/A	N/A	11/19/99
10	ZIRLO Fuel Cladding Amendment	1	Complete	Complete	Complete	Complete	11/3/99	12/3/99	1/12/00	2/15/00



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