



Entergy Nuclear Northeast  
Entergy Nuclear Operations, Inc.  
Indian Point Energy Center  
295 Broadway, Suite 1  
P.O. Box 249  
Buchanan, NY 10511-0249

January 25, 2002

Re: Indian Point Unit 2  
Docket No. 50-247  
NL-02-015

Mr. Hubert J. Miller  
Regional Administrator - Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1498

Subject: 2002 Fundamentals Improvement Plan

Dear Mr. Miller:

Attached please find the Fundamentals Improvement Plan for Indian Point Unit 2. This plan is being provided in fulfillment of the commitment made by Entergy Nuclear Operations Inc. at the public meeting with you and your staff to discuss plant performance on December 20, 2001, in Verplanck, New York.

The purpose of the Fundamentals Improvement Plan is to identify those specific actions and monitoring metrics that are needed to improve plant performance in several of the cross cutting issues that support the cornerstones described in the NRC Regulatory Oversight Program (ROP). These actions are a sub-set of the overall Entergy 2002 business plan and are focused primarily on the ROP cornerstones in order to provide a consistent, common frame of reference between Entergy and the NRC on cornerstone improvement initiatives. The actions planned are based on the results of several significant internal and external evaluations of station performance, which include the self assessment performed by Entergy in November, 2001 and NRC inspection number 2001-02 performed pursuant to inspection procedure 95003. The plan is designed to improve in the five key areas of human performance, maintenance of the licensing and design basis, equipment performance, problem identification and resolution, and licensed operator performance. The plan also includes performance indicators that will be used to evaluate the effectiveness of the actions. It should be noted that the indicators emphasize the results achieved. Since it is the effective results of the actions that are significant rather than mere completion of the actions themselves, the action plan will be revised as needed to achieve the desired results.

Since the information contained within the attachment to this letter will be made available to the public, Entergy has omitted individual names and approval signatures. This information will be available onsite for NRC review.

Should you have any questions regarding this matter, please contact Mr. John McCann, Manager, Nuclear Safety and Licensing at (914) 734-5074.

Sincerely,

A handwritten signature in black ink, appearing to read "Dacimo", with a stylized initial "F" or "D" at the start.

Fred Dacimo  
Vice President - Operations  
Indian Point 2

**Attachment**

**CC: U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station O-P1-17  
Washington, DC 20555-0001**

**Mr. Patrick D. Milano, Senior Project Manager  
Project Directorate I-1  
Division of Licensing Project Management  
U.S. Nuclear Regulatory Commission  
Mail Stop 0-8-C2  
Washington, DC 20555**

**Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 38  
Buchanan, NY 10511**

**Mr. Paul Eddy  
NYS Department of Public Service  
3 Empire Plaza  
Albany, NY 12223**

**Attachment**  
**Fundamentals Improvement Plan**

**Entergy Nuclear Operations, Inc.**  
**Indian Point Unit 2**  
**Docket No. 50-247**

# Fundamentals Improvement Plan



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## ***INTRODUCTION***

The purpose of the Fundamentals Improvement Plan is to identify those specific actions and monitoring metrics that are needed to improve plant performance in several of the cross cutting issues that support the cornerstones described in the NRC Regulatory Oversight Program (ROP). These actions are a sub-set of the overall Entergy 2002 business plan and are focused primarily on the ROP cornerstones in order to provide a consistent, common frame of reference between Entergy and the NRC on cornerstone improvement initiatives. The actions planned are based on the results of several significant internal and external evaluations of station performance, which include the self assessment performed by Entergy in November, 2001 and NRC inspection number 2001-02 performed pursuant to inspection procedure 95003. The plan is designed to improve five key areas: human performance, maintenance of the licensing and design bases, equipment performance, problem identification and resolution, and licensed operator performance. The plan also includes performance indicators that will be used to evaluate the effectiveness of the actions. It should be noted that the indicators emphasize the results achieved. Since it is the effective results of the actions that are significant rather than mere completion of the actions themselves, the action plan will be revised as needed to achieve the desired results. The table shows the quarter the individual actions are scheduled to be completed.

**KEY RESULTS AREA—I HUMAN PERFORMANCE**

	2002 Targets				
Strategies	Q1	Q2	Q3	Q4	Comments
Human Performance Initiatives					
.1. Establish a site Human Performance Coordinator	C				Complete
.2. Upgrade the Human Performance Program	X				
.3. Establish the site Human Performance Team (assign departmental HP coordinators)	C				Complete
.4. Train site personnel in Human Performance Fundamentals				X	
.5. Develop departmental event free clocks		X			
.6. Design and develop a human performance laboratory			X		
.7. Train managers and supervisors in observation, coaching, and intervention skills			X		

**KEY RESULTS AREA—I HUMAN PERFORMANCE**

	2002 Targets				
Strategies	Q1	Q2	Q3	Q4	Comments
2.0 Strengthen management's responsibility by:					
.1. Conducting a seminar with managers to establish expectations and examples of peer checking and holding each other accountable		X			
.2. Conducting 2Cs meetings (compliments and concerns) with representative groups of station employees				X	
3.0 Establish the concept of individual responsibility to Maintenance as a component of acceptable performance by:					
.1. Republishing and discussing with department managers, supervisors, and workers the Maintenance Department standards and expectations	X				
.2. Implementing employee development assignments	X				



**KEY RESULTS AREA—I HUMAN PERFORMANCE**

	2002 Targets				
Strategies	Q1	Q2	Q3	Q4	Comments
40 Improve effectiveness of management observations					
.1. Maintenance will implement actions to reduce the administrative burden on managers and supervisors	X				
.2. Training managers and supervisors to improve effectiveness of observations for enhancing worker performance	X				
.3. Enforcing the requirement that prejob briefings include specific work performance enhancing elements	X				
.4. Maintenance will conduct self-assessment of prejob briefings	X				
50 Improve the Industrial Safety Program					
.1. Develop and publish clear Industrial Safety Expectations for employees and supervisors.	X				
.2. Establish a safety orientation program for new Entergy and Contract staff.		X			

**KEY RESULTS AREA—I HUMAN PERFORMANCE**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.3. Develop Industrial Safety Program Manual for Indian Point 2 Energy Center.	X				
.4. Develop a Job Hazard Assessment/Hazard Control process	X				
.5. Align management observation program with general industrial safety issues to increase focus on safety issues when performing plant observations.	X				
.6. Develop additional safety program performance indicators.	X				

**KEY RESULTS AREA—II DESIGN CONTROL/LICENSING BASIS**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
II.B To complete the Design Basis Improvement/Regulatory Response					
.1. Issue the IP2 Design Basis Initiatives (DBI) Project Plan (refer to plan on IP2 U-drive)	C				Complete
.2. Complete portions of the Engineering DB/LB Multi-Year Improvement Projects as indicated in 2001 Engineering Business Plan (refer to 2001 Engineering Business Plan on IP2 U-drive)	C				See 2001 project list <sup>1</sup> Complete
.3. Issue monthly progress report which quantifies progress on each element of the IP2 DBI Project	X				10 <sup>th</sup> working day of each month, commencing February
.4. Assess methodology and implement plan for ongoing training for IP2 personnel on DB/LB information electronic databases use	X				

<sup>1</sup> The percentage completion of each separate project may be found in the IP2 Engineering Department 2001 Business Plan Performance Indicator Report. At the end of November, all projects were expected to be greater than 95% complete (against the portion of the project that was to have been completed in 2001) and in some cases well over 100% (greater progress than planned).

**KEY RESULTS AREA—II DESIGN CONTROL/LICENSING BASIS**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.5. Determine the future of the various electronic design basis databases such as the Component Function Database that were created during the 50.54f project. This assessment will take into account Entergy Nuclear Northeast fleet-wide initiatives in design information electronic databases. Issue a report to the Director of Engineering with recommended future course of action.	X				
.6. Develop Effectiveness Review strategy and issue in a formal Document for IP2 Design Basis Initiatives Project			X		
.7. Perform Effectiveness Review of IP2 Design Basis Initiatives Project				X	

**KEY RESULTS AREA—II DESIGN CONTROL/LICENSING BASIS**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
<b>2.0 Transfer ownership of temporary facility change to engineering and improve the process to expedite</b>					
.1. Obtain approval and implement SAO- 120 Change Management Plan to transfer ownership	C				Complete
.2. Develop a workdown curve and a table which includes information on TFC description, owner, etc. <sup>2</sup>	C				Complete
.3. Revise and implement SAO-206 improvements related to TFCs	X				
.4. Prepare a tailgate discussion to be presented to plant management to highlight awareness of the deleterious effect of a high number of TFCs on operations.	X				
.5. Perform an effectiveness review to ensure the revised procedure SAO-206 is effective, the plant operators are not overly burdened by outstanding temporary facility changes, and the workdown curve is on schedule			X		

<sup>2</sup> Baseline table and workdown curve are attached and will be updated in weekly meetings led by TFC Project Manager .



**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
III.0 Improve Work Management					
.1. Establish corrective maintenance backlog reduction goal of less than 200 items to be achieved by end of 2R15 outage	C				Complete
.2. Fill work control section manager position with an experienced Operations Shift Manager	C				Complete
.3. Establish standards for the maximum number of control room activities to be scheduled in parallel to reduce work activity delays associated with control room access.	C				Complete
.4. Establish staggered control room briefing times to reduce delays	C				Complete
.5. Establish 21-day clock for resolution of control room deficiencies	C				Complete
.6. Establish 7-day clock for locked in control room alarms.	C				Complete

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.7. Assign experienced Operations Shift Manager to the FIN Team.	C				Complete
.8. Implement Rapid Response Team led by Work Week Manager to improve off-hours support	C				Complete
.9. Establish work-down curves for preventative maintenance items currently in grace or overdue		X			
.10. Support MAXIMO project implementation to address current limitations with current work management system		X			
.11. Conduct work management self-assessment to evaluate corrective action effectiveness			X		
<b>2003 Improve work management</b>					
.1. Reinforce work group work package walk down standards and expectations for support of 12-week process.	X				

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.2. Adjust focus/resources as needed to resolve leading causes of inadequate work preparation that result in attrition of 12-week schedule activities between T12 and T6.	X				
.3. Establish standards and expectations for surveillance test walk downs consistent with standards established for work package walk downs for surveillances with testing intervals of quarterly or greater.	X				
.4. Implement corrective actions to resolve timely issuance of surveillance tests to support upgraded surveillance test walk down requirements.	X				
.5. Establish 12-week process milestones for planners to identify engineering support needs, (e.g. T-11), to support engineering resolution by T6.	X				



**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.6. Establish 12-week process milestone for planners to identify material support needs, (e.g. T-11) to support material resolution by T-6.	X				
.7. Reinforce requirement for production groups to provide realistic activity duration estimates and resource availability input at T-12 to support development of accurate and credible schedules.	X				
.8. Assess effectiveness of corrective actions by monitoring the 12-week work process performance indicators that measure work preparation effectiveness and backlog reduction.	X	X	X	X	Ongoing

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

	2002 Targets				
Strategies	Q1	Q2	Q3	Q4	Comments
350 MW Unit - Improve preventive maintenance performance					
.1. Establish mini-team to resolve frequently performed preventive maintenance tasks (6 month or less frequency) material issues.	C				Complete
.2. Develop and provide MP&C a comprehensive material list for frequently performed preventive maintenance items.	C				Complete
.3. Complete conversion of preventive maintenance database to MAXIMO by 3/31/02. In support of this objective start conversion of PMs into Maximo in January. Implementation of MAXIMO will provide for auto generation of preventive maintenance repetitive tasks.	X				
210 MW Unit - Improve the reliability and performance of equipment by implementing the following initiatives					
Program					

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.1. Establish and populate a plant equipment database that stores and trends predictive maintenance data and is available to all station personnel.	C				Complete
.2. Expand the scope of the current program to include more equipment and to incorporate other predictive technologies.	X				
.3. Develop procedures for predictive maintenance activities.	C				Complete
.4. Upgrade software for vibration data and thermographic image analysis.	C				Complete
.5. Establish an in-house oil analysis program.	X				
.6. Provide training for predictive maintenance technologies.	X				
50. Optimize the Preventive Maintenance Program by:					

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.1. Performing a systematic review of PM tasks using EPRI-NMAC templates, equipment history, predictive maintenance data, operating experience, etc., and revising PM tasks for 15 systems	X				
.2. Continuing systematic review and revising PM tasks for additional systems IAW the Design Basis Project Plan				X	
.3. Establishing a systematic review of corrective maintenance for potential changes in the PM tasks and frequencies	X				
.4. Establish and implement a plan to widely communicate the purpose and goals of a living PM program to station personnel.	C				Complete
.5. Establish a database for the creation and storage of preventive maintenance tasks and technical bases	C				Complete

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.6. Reinforce and monitor the expectations for maintenance workers to document the <i>as-found</i> equipment condition and the specific work performed during preventive and corrective maintenance, and develop a method to routinely distribute this information to engineering for the evaluation of PM adequacy.	X				
.7. Establish a systematic review of corrective maintenance for potential changes in the PM task and frequencies.	X				
.8. Perform a systematic review of PM tasks utilizing EPRI-NMAC templates, equipment history, predictive maintenance, OE, etc. Populate PM database with revised/reviewed PM tasks for additional systems. (refer to Design Basis Initiatives Project Plan)				X	
.9. Perform an Effectiveness Review of actions taken to Optimize the Preventive Maintenance Program				X	



**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
600 Enhance system health, encourage significant improvement in the issues related to power and equipment condition as approved by:					
.1. Reviewing historical shutdown and unplanned power reductions to ensure action plans address significant equipment issues	X				
.2. Developing system health rollup to ensure cross-cutting equipment issues are identified and addressed	X				
700 Reduce the number of rework items:					
.1. Designating a Maintenance Department rework program administrator to instill ownership and continuity	C				Complete
.2. Developing a rework program improvement plan	X				
.3. Using the condition reporting process to identify rework and trends, and needed actions	X	X	X	X	On-going

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.4. Implementing a mechanism for communicating rework performance to craft personnel on a regular basis	X				
<b>3.0 Improve station-wide M&amp;TE Program</b>					
.1. Assigning a station M&TE Program administrator	C				Complete
.2. Developing a plan for consolidating all M&TE on site into one program	X				
<b>2.0 Improve I&amp;C PM Project Performance</b>					
.1. Completing the I&C PM Project, including development of I&C PM task sheets, per the established schedule and procedure upgrades for eight (8) systems				X	Multi-year effort

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.2. Eliminating the backlog of overdue I&C PMs by augmenting I&C resources, realigning field crews, implementing a workoff curve, and reviewing the I&C PM backlog in the weekly "pick" meetings for inclusion in upcoming work cycles		X			
.3. Revising associated procedures to clarify responsibilities and expectations, and training affected personnel on these changes		X			
<b>2003 Development/Implementation Schedule &amp; Component Long-Range Strategic Plan</b>					
.1. Develop IP2 SSC Long-Range Strategic Planning Standard	X				
.2. Develop proactive obsolescence program geared towards a prioritized and focused replacement strategy		X			
.3. Produce Long-Range Strategic Plan for each Level 1 System				X	



**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
Develop and perform effectiveness review of equipment reliability and the actions of this Action Plan .					
.1. Establish Equipment Reliability Group	C				Complete
.2. Establish Engineering portion of new Equipment Reliability Group to support Equipment Reliability initiatives: Unit Performance Valve Programs PDM/PM Programs	C				Complete
.3. Establish Technician portion of new Equipment Reliability Group to be comprised of: Supervisor of Technicians Technicians (transferred from former Test & Performance Section)	C				Complete
.4. Develop and perform effectiveness review of Equipment Reliability and the actions of this Action Plan .	X				

**KEY RESULTS AREA—III EQUIPMENT PERFORMANCE/WORK MANAGEMENT**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
2002 Objectives: Station Management will work to effectively address the standards for excellence in material condition					
.1. Develop and implement top technical issue list to focus station resources on resolving equipment issues.	C				Complete
.2. Develop and implement equipment status reports to communicate equipment trends and status.	C				Complete
.3. Develop Maintenance Rule SSC's status report and indicators.	C				Complete
.4. Establish indicator that monitors unplanned entries in LCO conditions.	C				Complete
.5. Establish station observation program to ensure managers and supervisors are observing field activities.	C				Complete
.6. Evaluate utilizing equipment failure analysis techniques and implement as appropriate		X			

**KEY RESULTS AREA—IV PROBLEM IDENTIFICATION AND RESOLUTION**

	2002 Targets				
Strategies	Q1	Q2	Q3	Q4	Comments
1.0 Improve overall effectiveness of problem resolution (to be reviewed monthly with management team)					
.1. Performing effectiveness reviews of all SL-2 CRs and selected SL-3 CRs after completion of actions	X				
.2. Identifying and prioritizing backlogged actions for more timely accomplishment in individual action plans	X				
.3. Requiring general manager or vice president approval for extensions to SL-2 CR due dates	C				Complete
.4. Reviewing timeliness of CR closeout weekly with the management team	X	X	X	X	Ongoing (began in Nov 2001)
2.0 Establish an awareness and readily accessible performance indicators for the utility and each department (to be reviewed monthly with management team)					
.1. Develop and implement PI's for each department	X				

**KEY RESULTS AREA—IV PROBLEM IDENTIFICATION AND RESOLUTION**

2002 Targets					Comments
Strategies	Q1	Q2	Q3	Q4	
300 Improve independent assessor effectiveness in identifying key weaknesses in station performance					
.1. Improving the experience level of assessors through benchmarking				X	
.2. Providing training for assessors that will reinforce management's expectations for in-depth, performance-based assessments, that includes review lessons learned from recent NQA misses; and that will improve their basic assessment skills			X		
.3. Addressing assessor resource issues, including staffing and performance of line responsibilities	X				
.4. Using additional measures to implement an accountability plan for meeting assessment standards as well as increasing the effectiveness of assessor feedback on timely and accurate problem identification		X			
.5. Establishing a line rotation plan to QA			X		

**KEY RESULTS AREA—IV PROBLEM IDENTIFICATION AND RESOLUTION**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.6. Conducting follow-up performance-based assessments for 12 issues identified by NQA in the past	X				
.7. Developing a performance indicator to track NQA's ability to identify and communicate problems to senior management		X			

**KEY RESULTS AREA— V LICENSED OPERATOR PERFORMANCE**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
4.0 Operator Performance in Remediation Examinations					
.1. Increase management observations of training	X				
.2. Develop staffing/rotation plan inject additional operations expertise into training organization	X				
.3. Require review of examination materials by qualified/formerly qualified operators	X				
.4. Increase operations manager interaction with training organization to ensure reinforcement of standards in training	X				
5.0 Improve the overall quality of operations performance by addressing improvement plan					
.1. Conduct "high intensity" training to upgrade knowledge and performance of licensed operators		X			
.2. Increase the number of operations instructors to 4 who have IP2 or similar operating experience	X				

**KEY RESULTS AREA— V LICENSED OPERATOR PERFORMANCE**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.3. Develop an operations training staffing plan to ensure that sufficient expertise is maintained		X			
40. Establish training and performance standards for all staff and ensure that all staff are competent in the level of knowledge and skill of the operators					
.1. Pilot and implement the use of closed reference questions in licensed operator continuing training				X	
.2. Implement Entergy Nuclear Northeast standardized training processes			X		
.3. Revise the annual operating examination process			X		
.4. Incorporate the use of oral boards into initial operator training				X	
40. Reestablish and implement					
.1. Conduct corporate assessment of reactivity management at Entergy Nuclear Northeast stations	C				Complete

**KEY RESULTS AREA— V LICENSED OPERATOR PERFORMANCE**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.2. Strengthen controls for reactivity management		X			
.3. Conducting prebriefings on all planned reactivity changes	X	X	X	X	On-going
.4. Provide additional reactivity management training for all operators		X			
.5. Training on responsibilities regarding reactivity issue identification		X			
<b>30 Shift Manager and Supervisor Leadership</b>					
.1. Assign mentors to Shift Managers	X				
.2. Specifically selected managers conduct in-field, control room, and simulator observations	X				
<b>60 Plant Status Control, Safety Monitoring and Response</b>					
.1. Perform additional independent verifications	X				
.2. Conduct focused observations of field activities for error-reduction techniques	X				



**KEY RESULTS AREA— V LICENSED OPERATOR PERFORMANCE**

Strategies	2002 Targets				Comments
	Q1	Q2	Q3	Q4	
.3. Upgrade operations valve checkoff lists to include full power valve alignments				X	
.1. Develop and implement a combined Unit 1/ Unit 2 plant labeling program				X	
.2. Align operations procedures to single database of valve names/numbers			X		

# **Key Performance Indicators for Fundamentals Improvement Plan**



## Key Performance Indicators (1-16-02)

### Human Performance

- a) Human Performance Error Rate
- b) Industrial Safety Accident Rate
- c) Station Event Free Clock Resets

### Design Control/Licensing Basis Initiatives \*

- a) Number of Temporary Facility Changes

### Equipment Performance/Work Management

- a) Maintenance Work Order Backlog
- b) Preventive Maintenance in Grace
- c) Unplanned Entries into Limiting Condition of Operation
- d) Number of Central Control Room Deficiencies
- e) Repeat Maintenance Frequency
- f) Operator Work Around

### Problem Identification & Resolution

- a) Open Condition Reports
- b) Age of Open Corrective Actions
- c) Repeat Events

### Licensed Operator Performance

- a) Number of Mispositionings
- b) Licensed Operator Re-qualification Success Index
- c) Plant Labeling Request Backlog  
(work down curve and average age less than 60 days)
- d) Procedure feedback work down curve and average age
- e) AOP procedure in grade work down curve

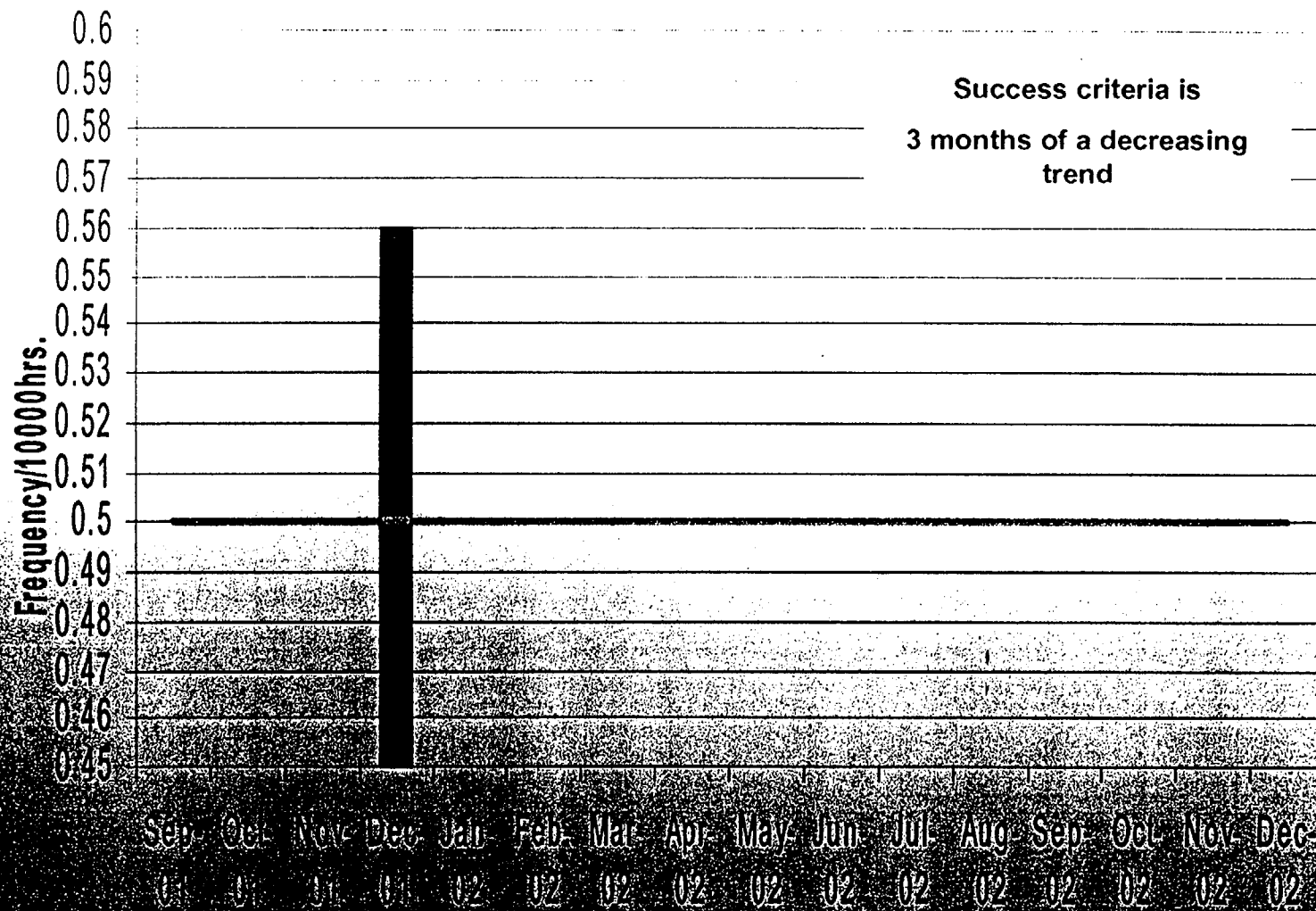
\* Design Basis Initiatives (No direct PI, however project status issued routinely)

# Human Performance P.I.

# Human Performance Error Rate

■ Rate

--- Site Goal





# Industrial Safety Accident Rate

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P  
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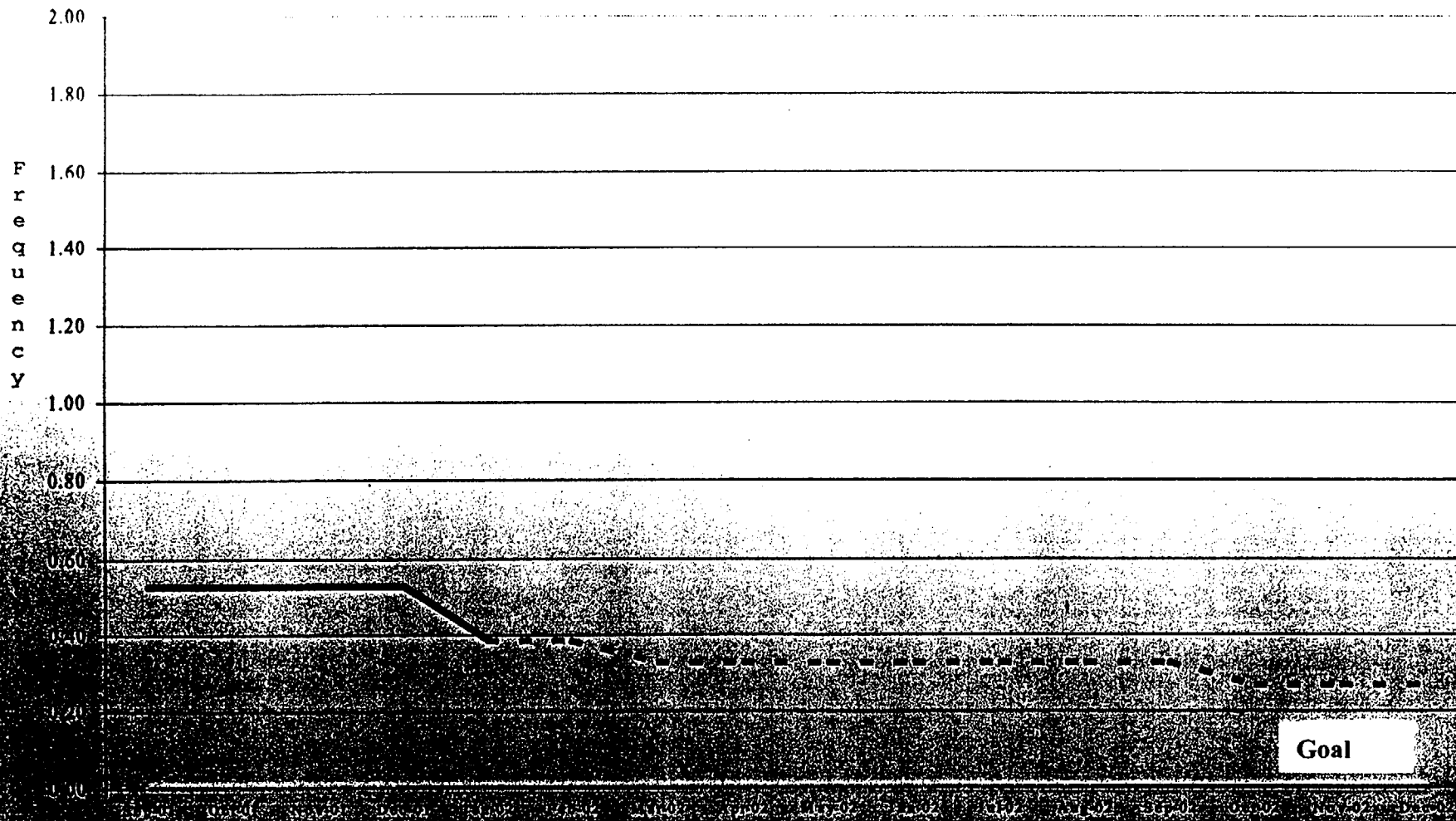
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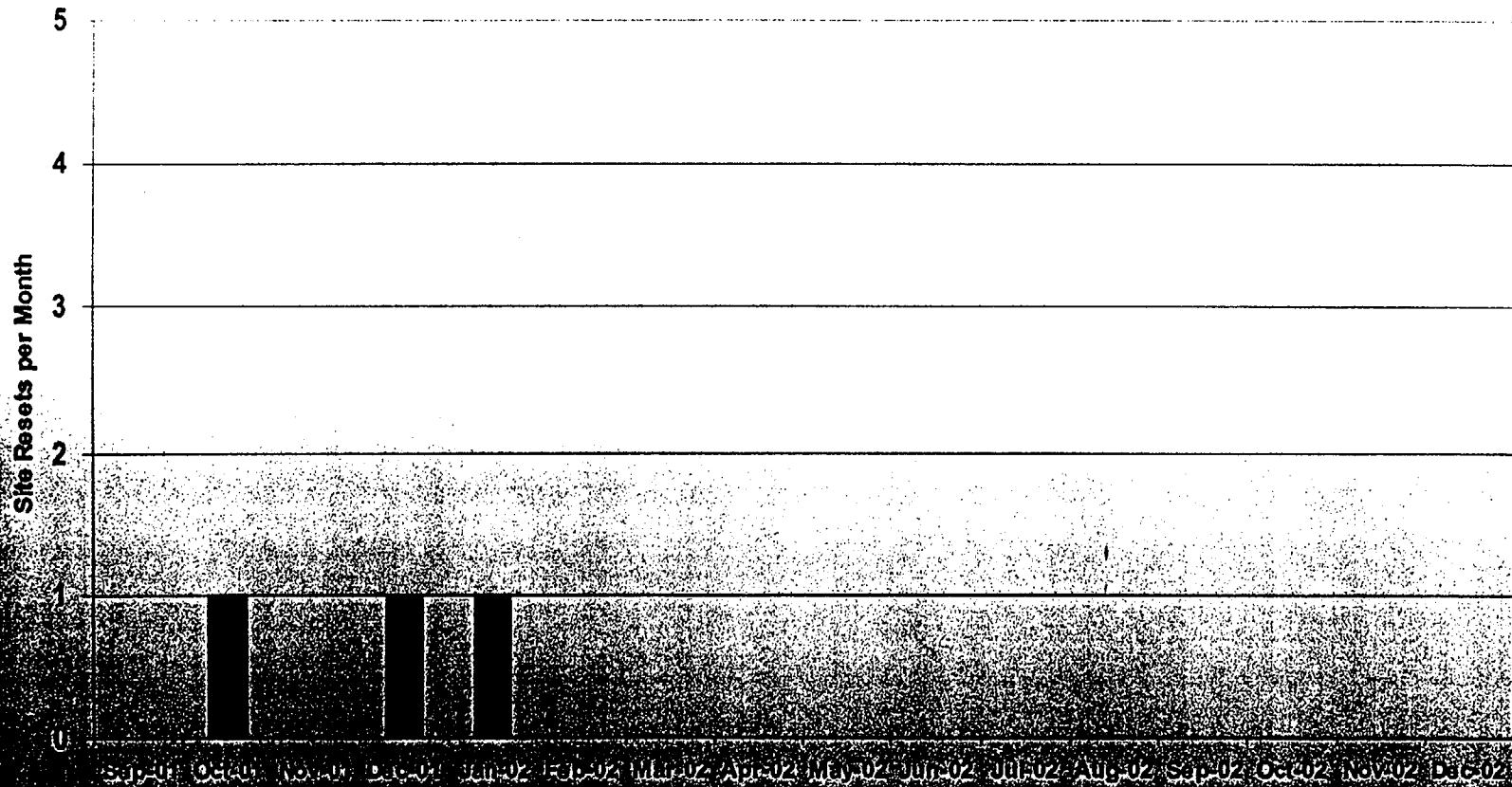
Site Goal



Goal

# Station Event Free Clock

Goal < 5 resets in 2002



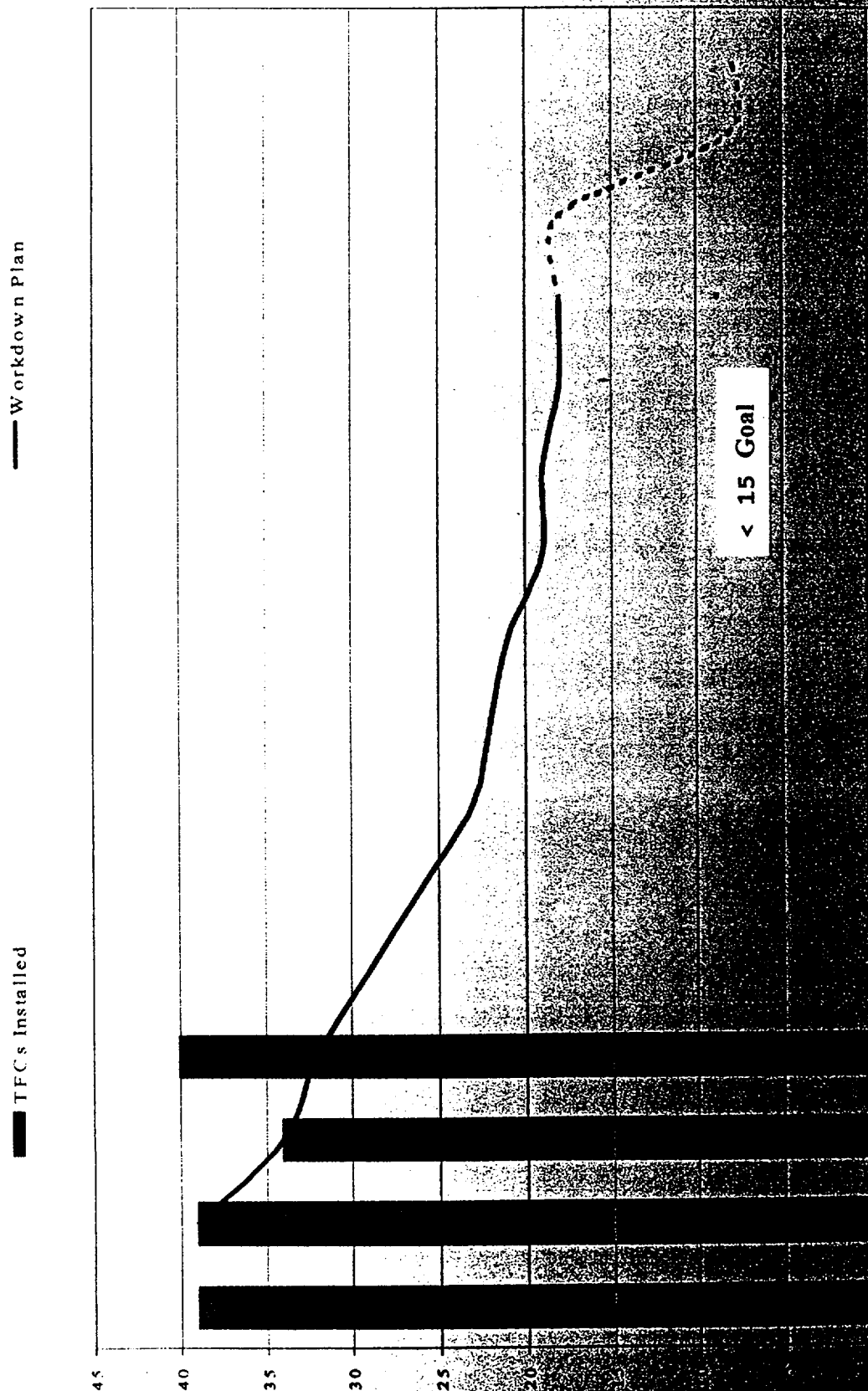
# Design Control/Licensing Basis Initiatives



# Temporary Facility Change

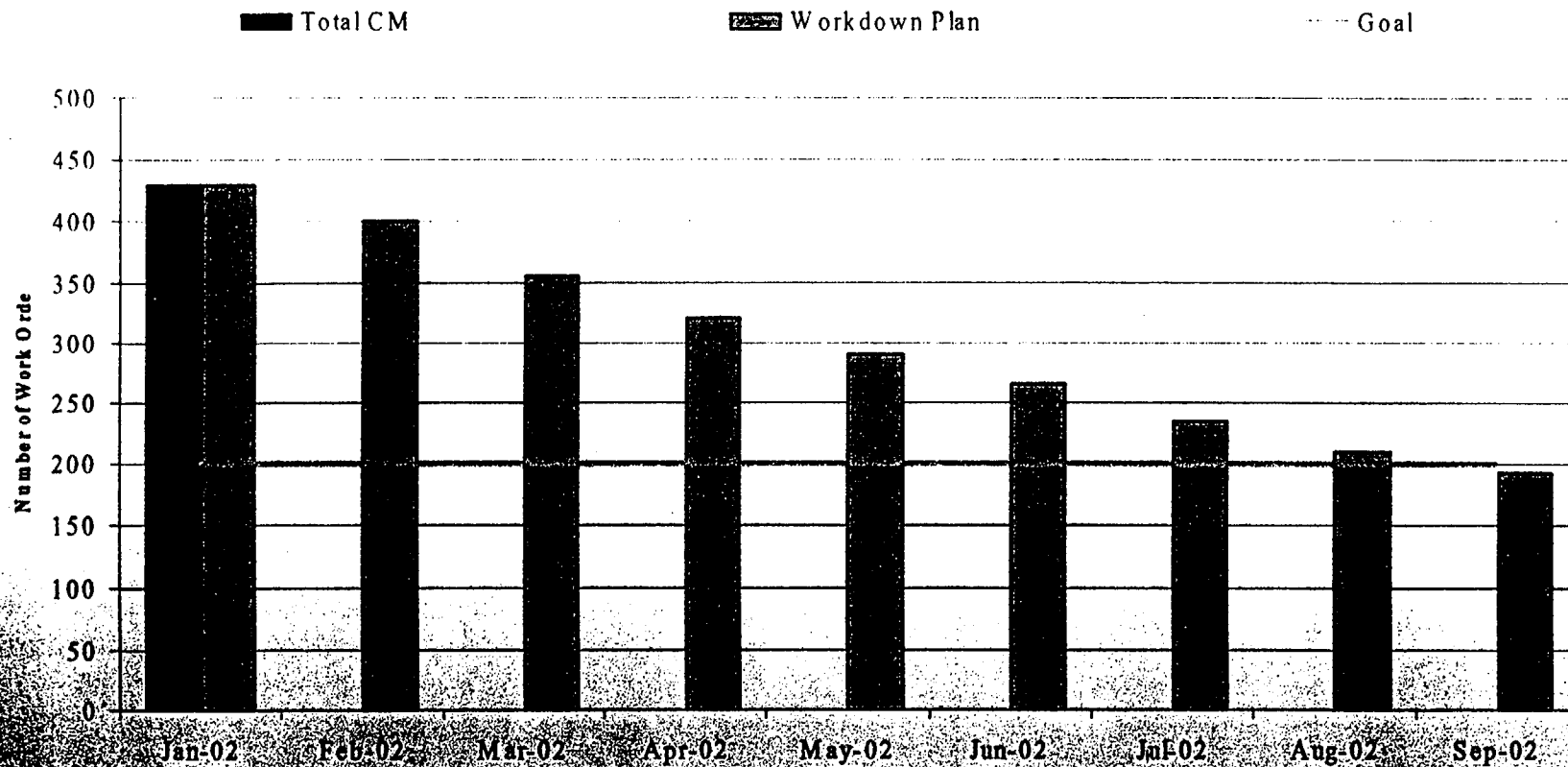
I P 2

F u n d a m e n t a l s I m p r o v e m e n t P l a n



# Equipment Performance/Work Management

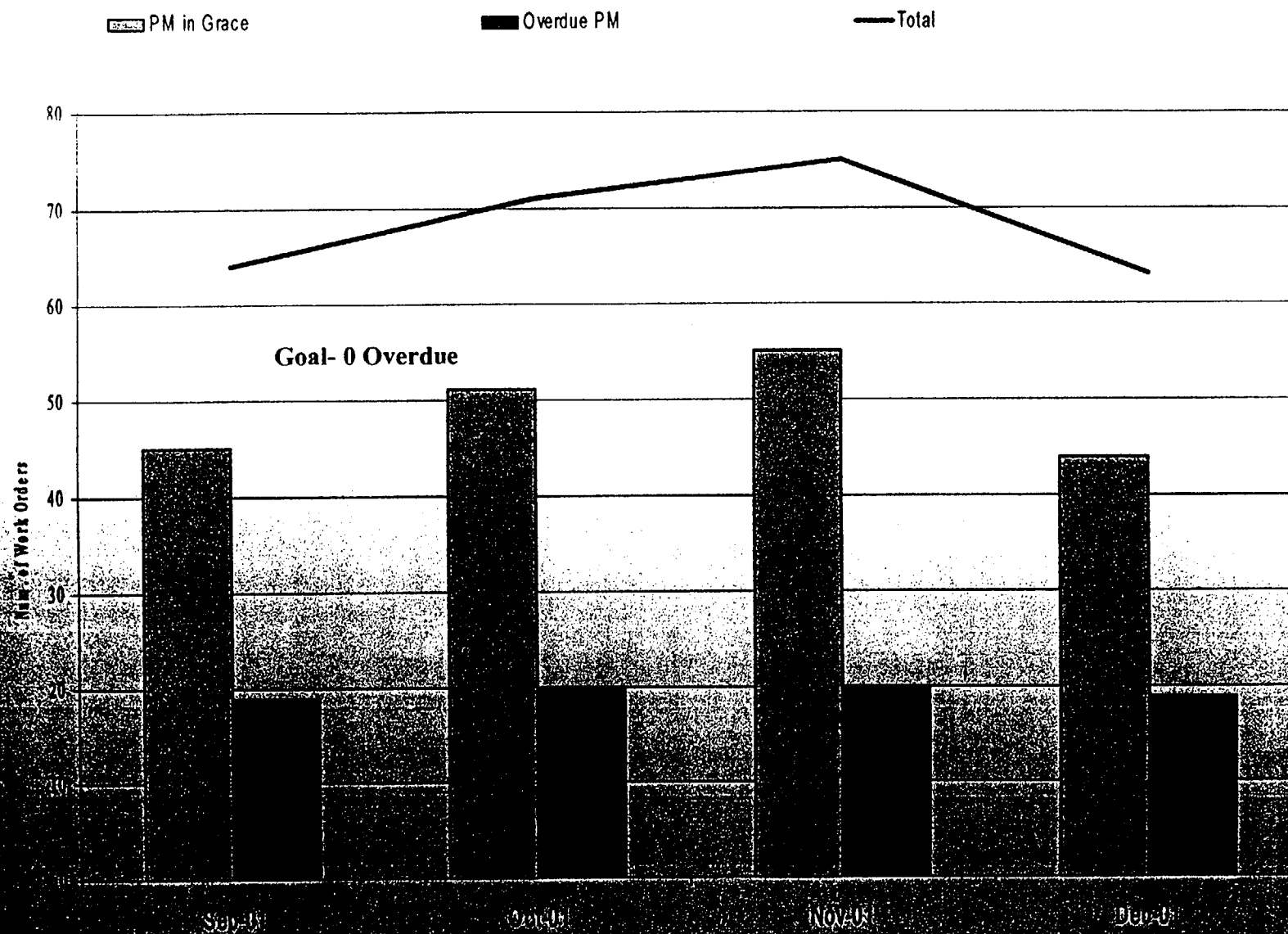
# Corrective Maintenance Backlog



Definition: Calculating the total number of work orders in the backlog category of CM (Backlog CM) and CM (CM).

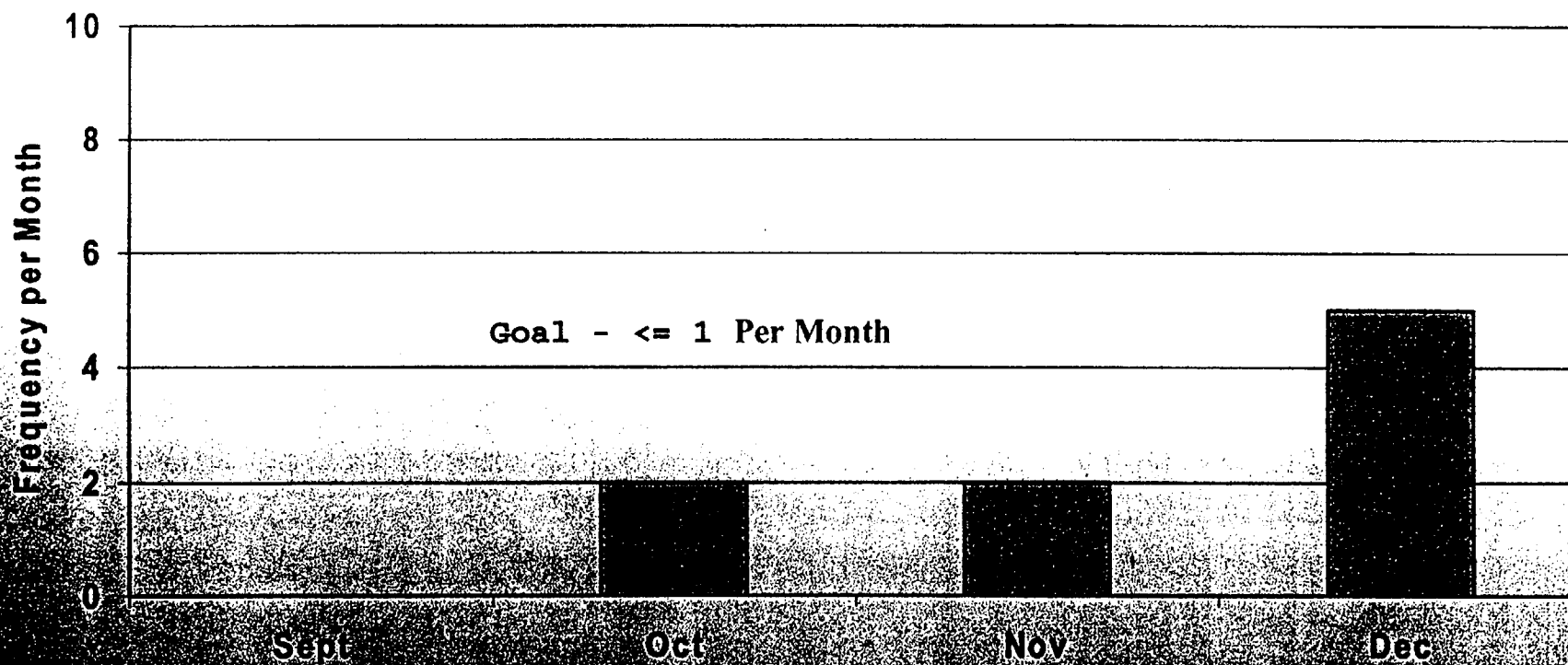
In the total backlog, the end of the month.

# Preventive Maintenance Items In Grace



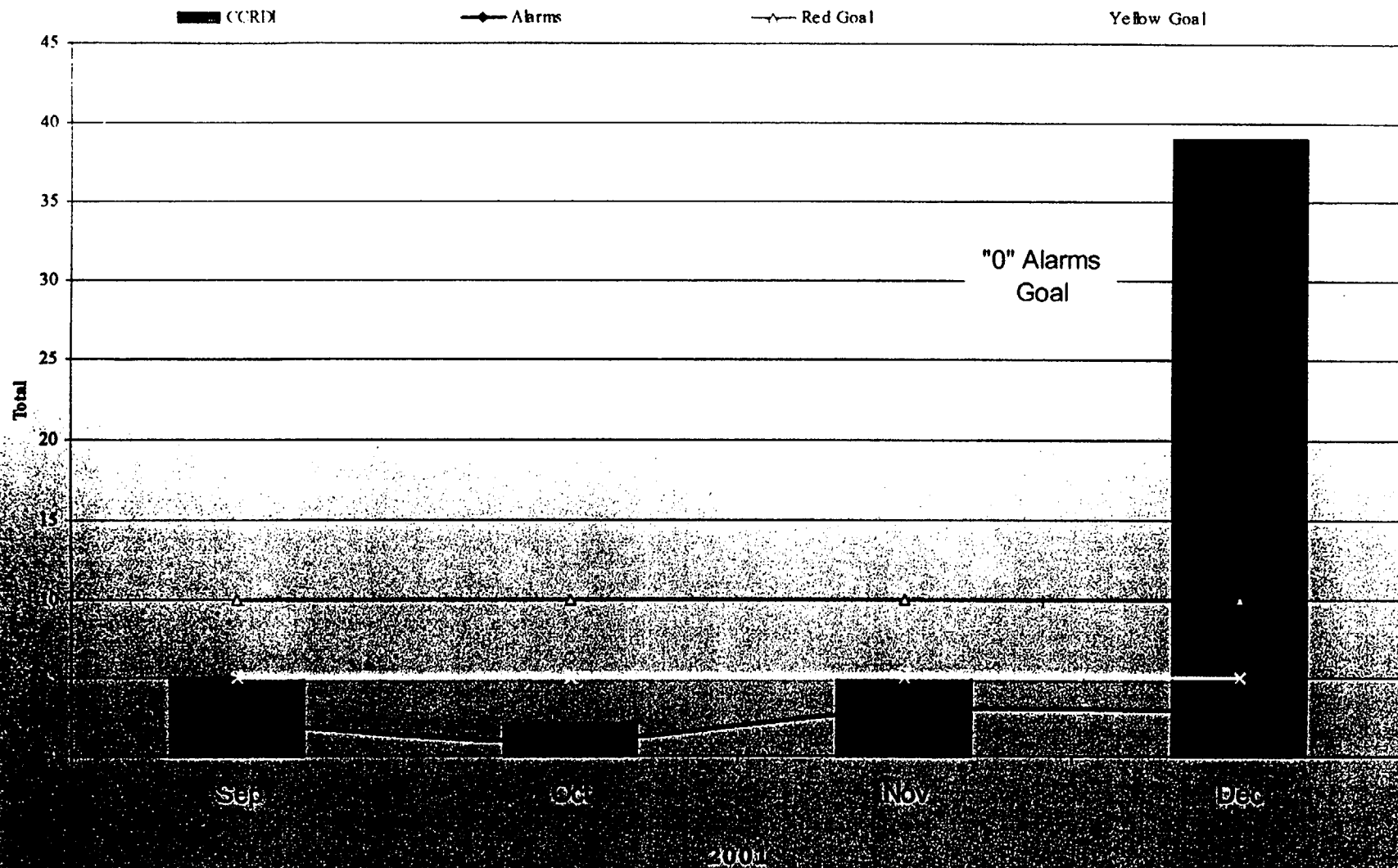
# Unplanned Equipment Entries Into Limiting Conditions of Operation

■ Equip Shutdown LCOs

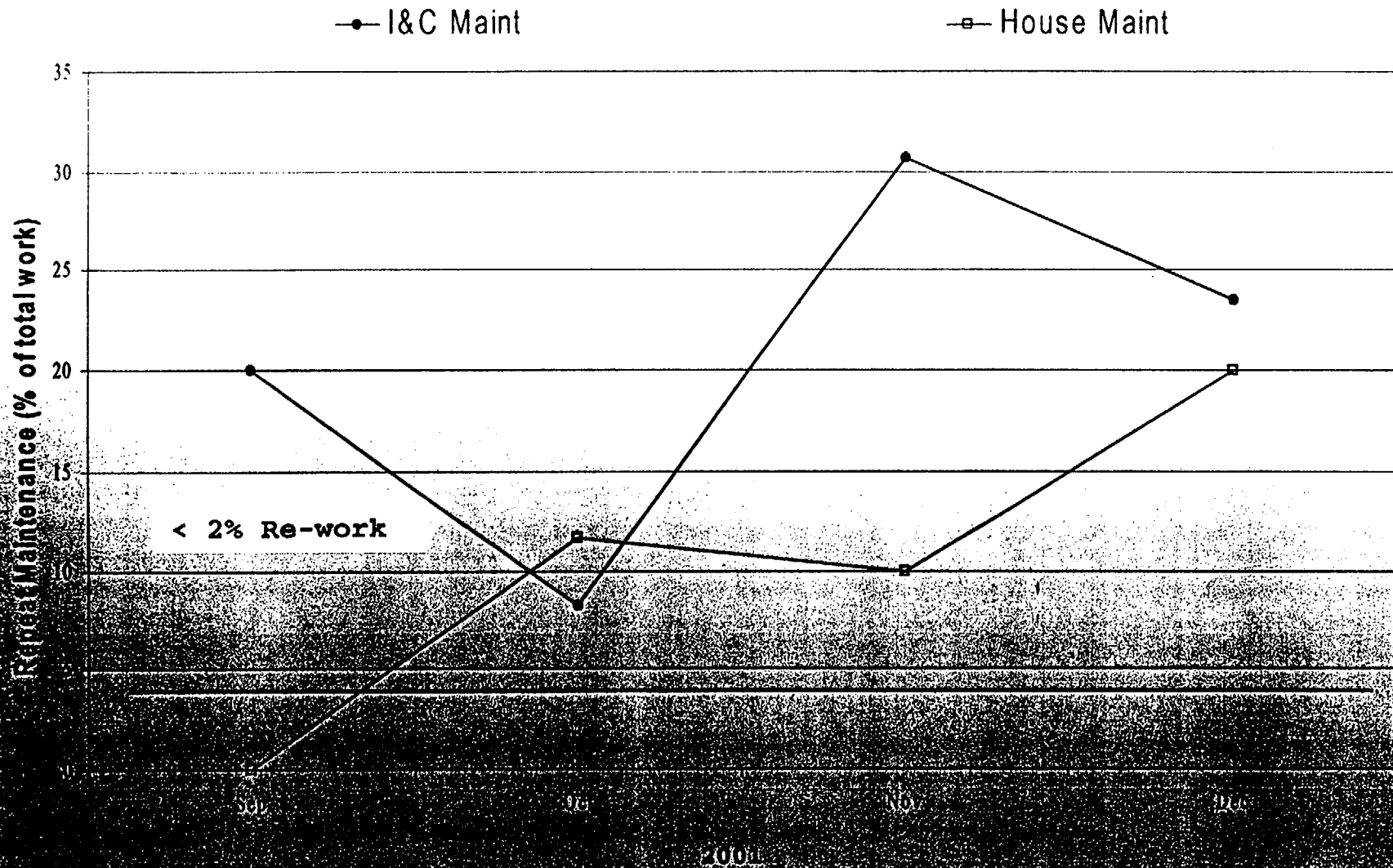


2001

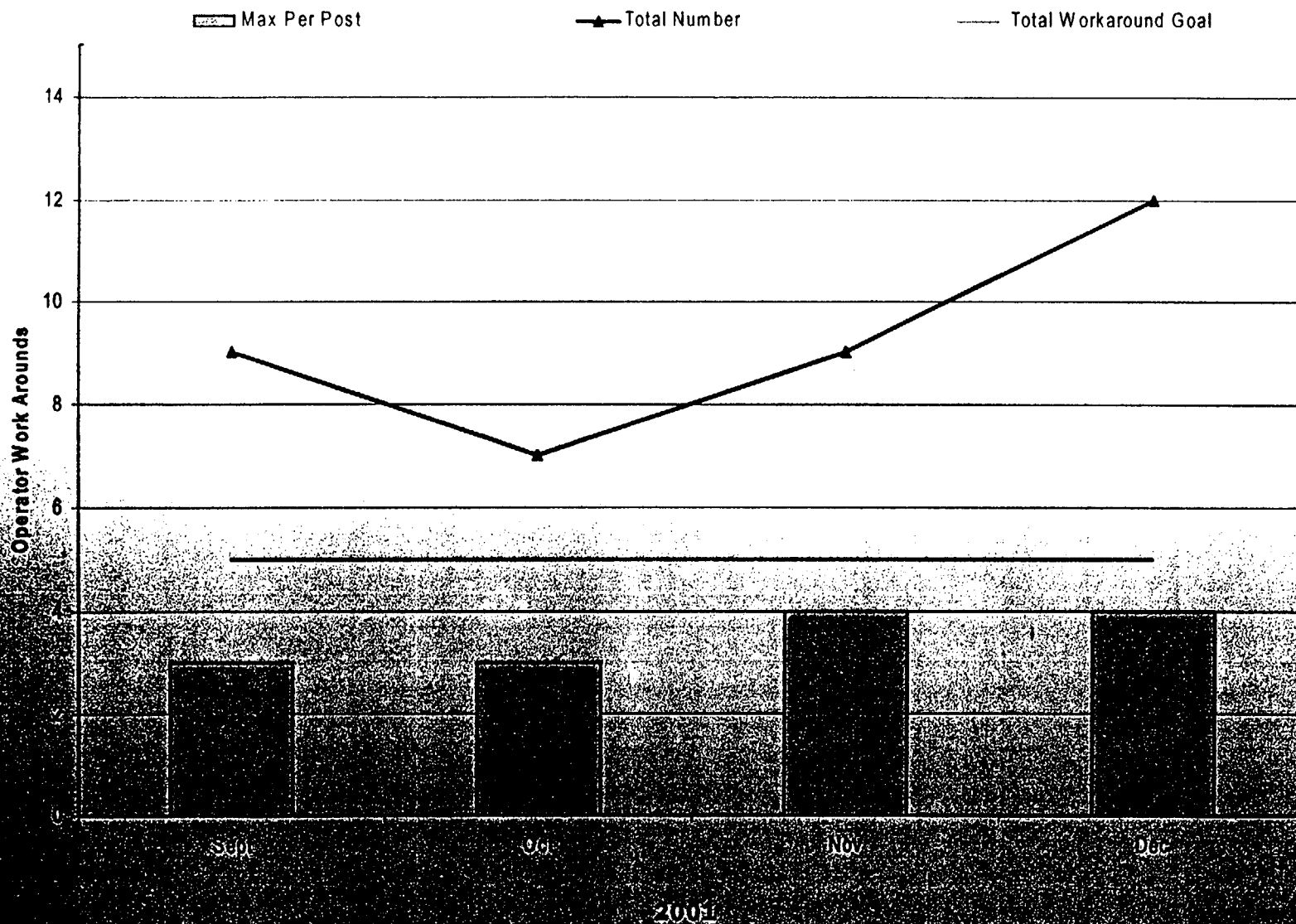
# Central Control Room CCRDI's and Alarms



# Repeat Maintenance Frequency



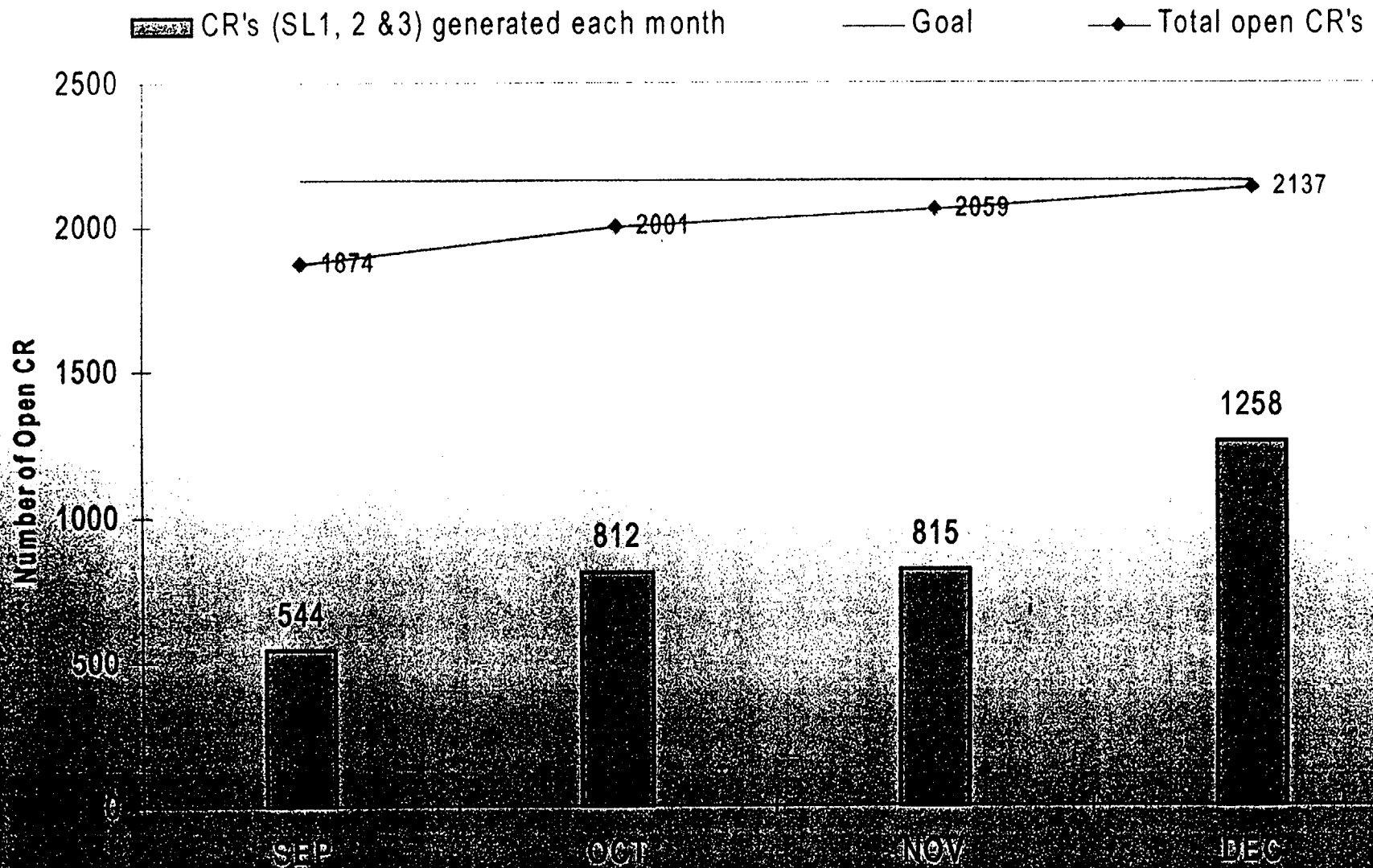
# Operator Work Arounds



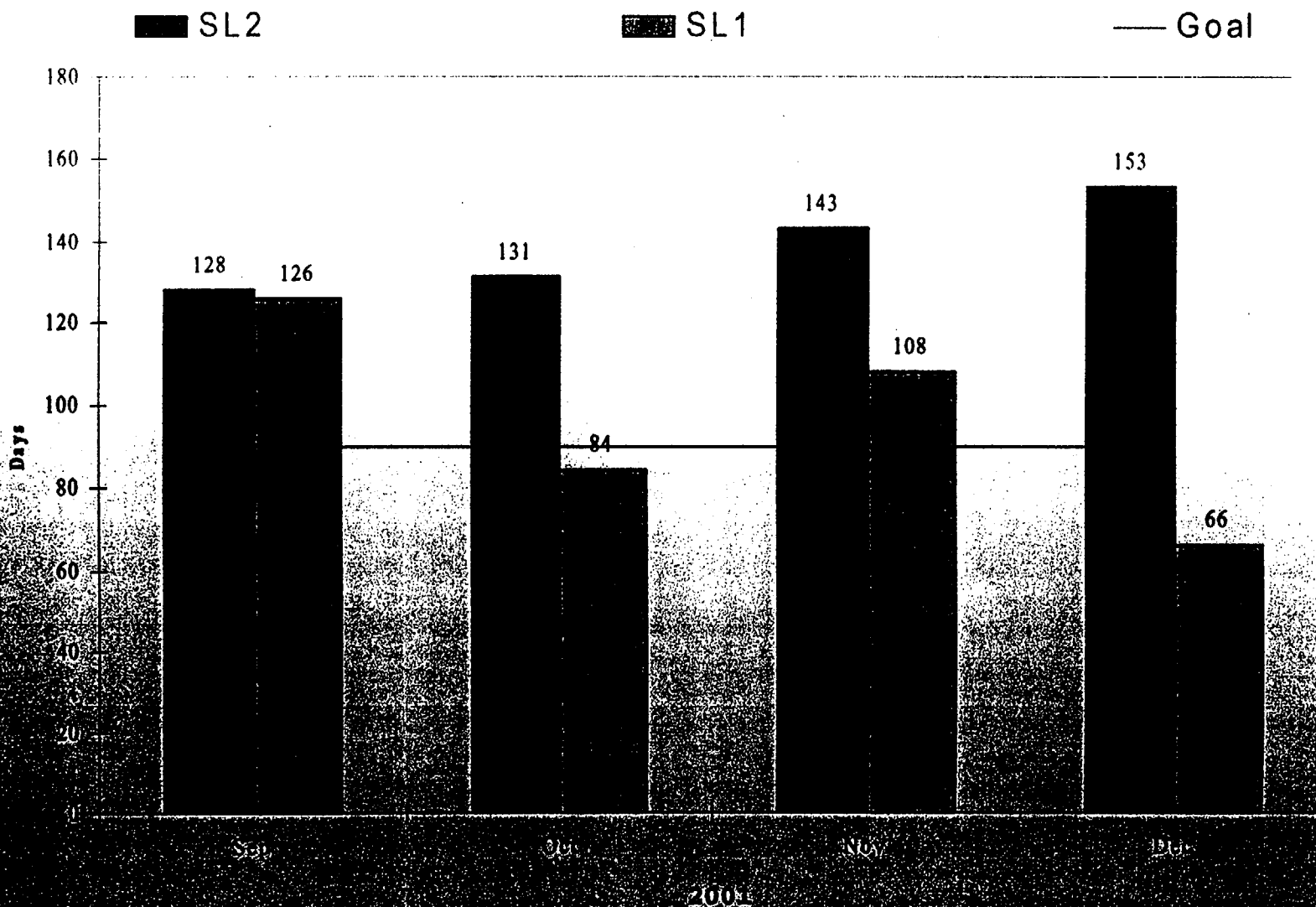


# **Problem Identification & Resolution**

## Open Condition Reports



# Average Age of Open Corrective Actions SL 1 & 2

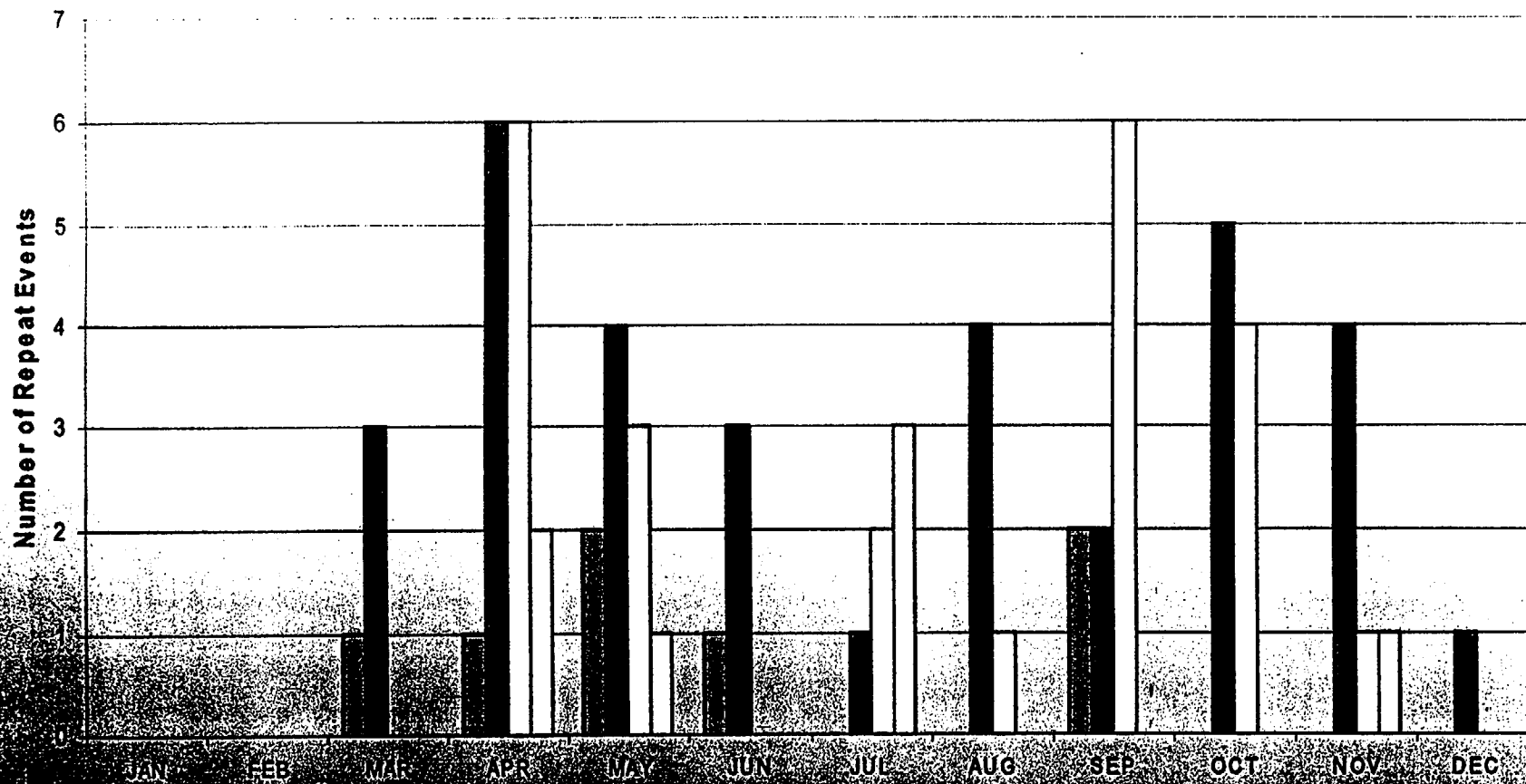




Nuclear Northeast  
INDIAN POINT ENERGY CENTER UNIT 2

## Total Repeat Events

■ HP Repeat ■ ME Repeat □ PRG Repeat □ MAN Repeat



HP-Human Performance  
ME-Mechanical/Electrical  
PRG-Programs  
MAN-Maintenance

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# Licensed Operator Performance

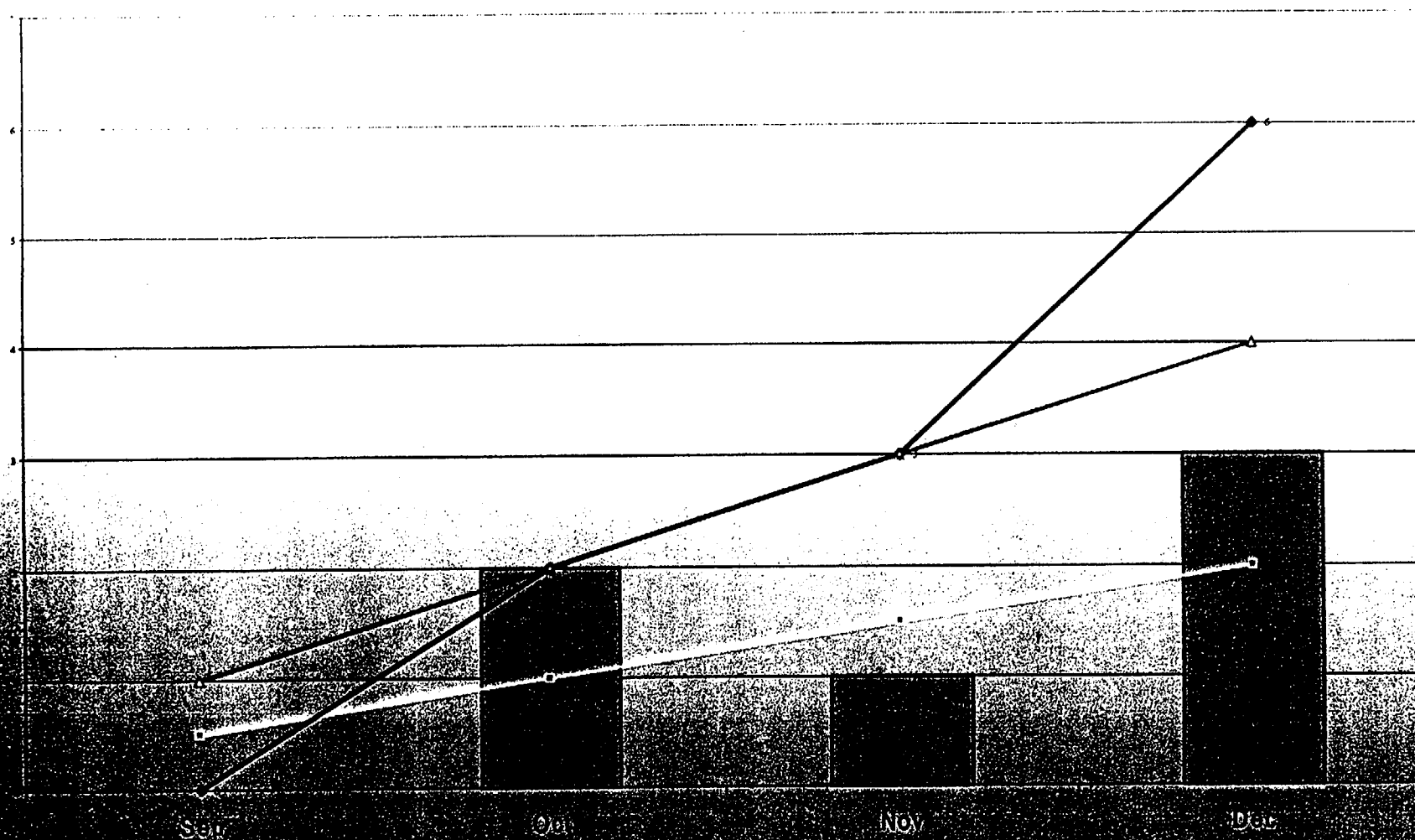
# Number of Mispositionings

■ Total Events

- Cumulative Goal Yellow

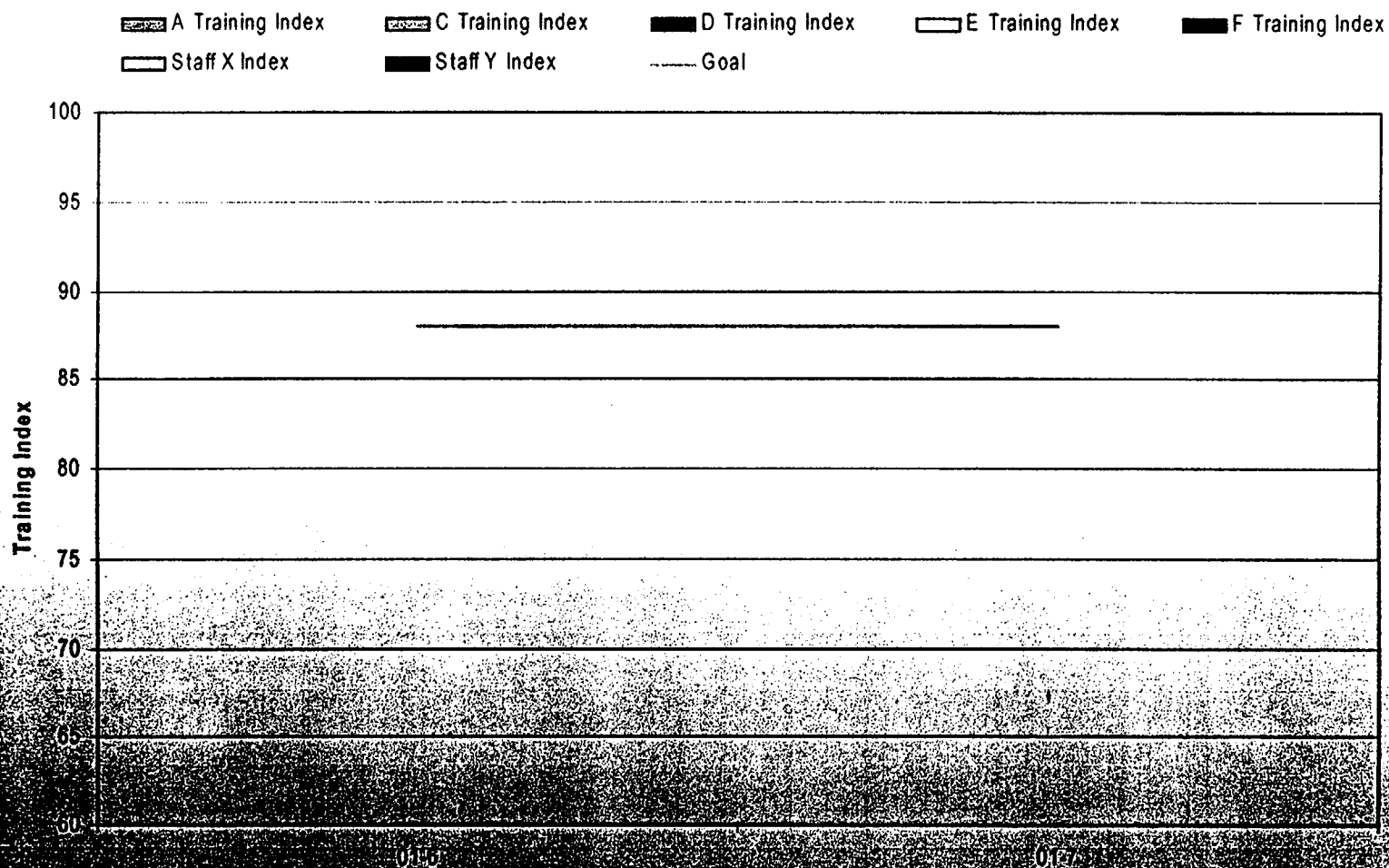
- Cumulative Goal Red

◆ Cumulative Events

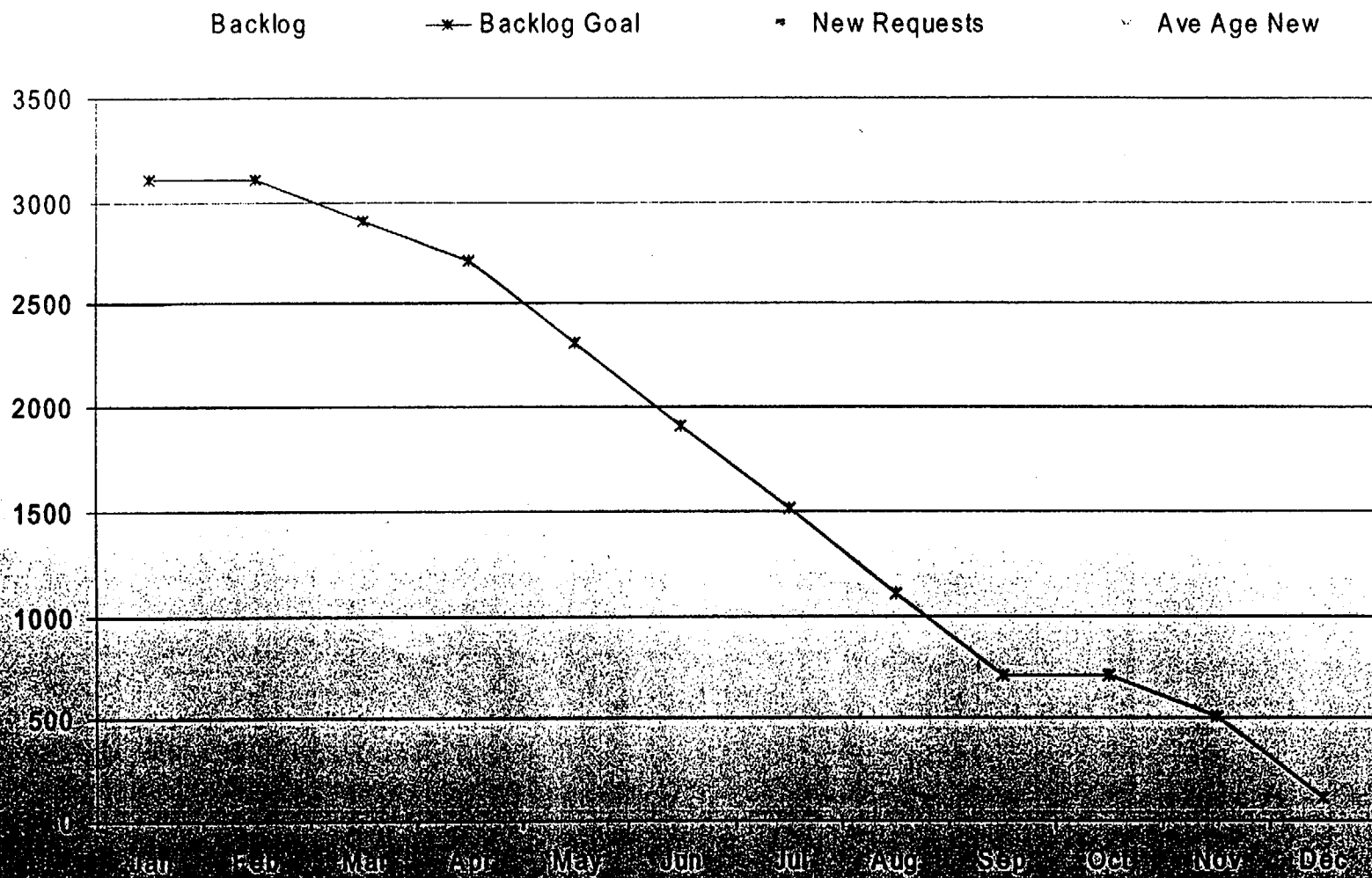


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# Licensed Operator Re-qualification



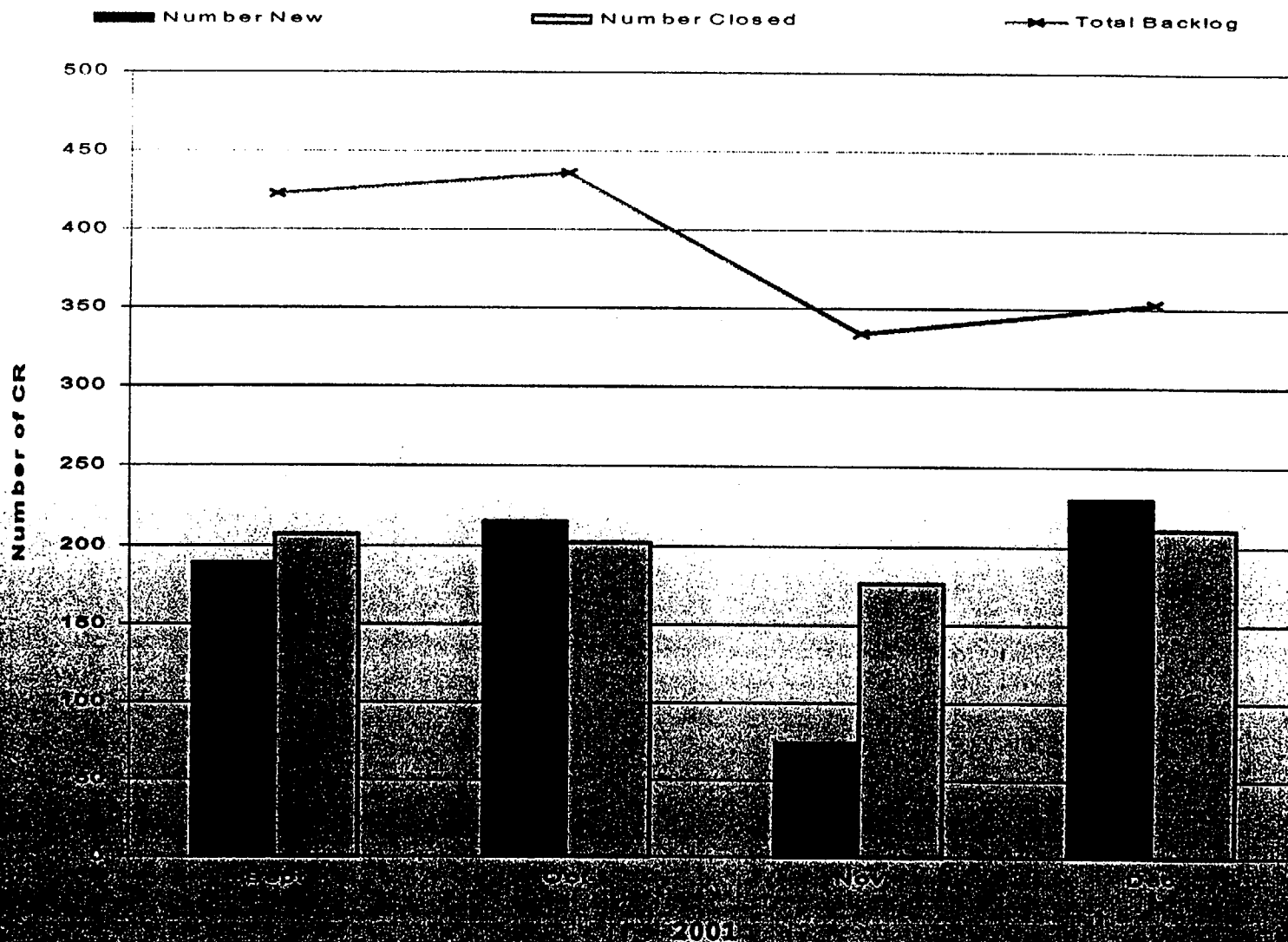
# Plant Labeling Request Backlog



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# Procedure Feedback



## AOI Procedure Upgrade

