Northeast
Nuclear Energy

Rope Ferry Rd. (Route 156), Waterford, CT 06385

Millstone Nuclear Power Station
Northeast Nuclear Energy Company
P.O. Box 128
Waterford, CT 06385-0128
(860) 447-1791
Fax (860) 444-4277

The Northeast Utilities System

AUG 16 1999

Docket No. 50-336
50-423

B17849

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Millstone Nuclear Power Station, Units No. 2 and 3
Second Quarter Backlog Performance Report for 1999

Please find enclosed the 1999 second quarter performance report for Millstone Units No. 2 and 3. This transmittal represents the fourth report on Millstone Station's performance since restart of Millstone Unit No. 3 and the first status update for Millstone Unit No. 2.

The format and content of the current version of the report has been revised. Northeast Nuclear Energy Company (NNECO) has discontinued reporting assessments of performance on the 15 key issues identified during recovery. Performance monitoring for these key issues was initially used as a means of measuring progress toward restart readiness at the Millstone Station. Following restart of Millstone Unit No. 3, performance monitoring for these key issues continued as a demonstration of Millstone Station's commitment to sustaining performance levels achieved during the recovery process. While continuous improvement is our goal, acceptable and sustained performance has been achieved in the key issue areas, as documented in our previous reports. NRC and internal oversight assessments also support this action.

Additionally, NNECO has discontinued reporting on the status of corrective actions associated with the findings and recommendations contained in the Independent Corrective Action Verification Program (ICAVP) final report for Millstone Unit No. 3. The balance of outstanding corrective actions are tracked within the Millstone Station Corrective Action Program and are prioritized along with the balance of routine, emergent work and backlog reduction initiatives.

NNECO views the changes described above as essential to ensuring a balance of resources which maintains continued emphasis on the Millstone Station operational focus goals for safe and event free operation of Millstone Unit Nos. 2 and 3.

The format changes described above satisfy two of NNECO's previous commitments associated with the quarterly submittal of the backlog performance reports. Both commitments, involving reporting of key issues performance and progress on ICAVP final report findings, originated in NNECO letters, references (1) and (2) below, as commitment numbers B17159-04 and B17287-01. With these changes to the report's format, NNECO will continue to meet our commitment to provide quarterly reports on the status of open level 4 discrepancy reports by reporting on the progress towards completion of the ICAVP discrepancy report related corrective actions in the backlog performance updates.

There are no regulatory commitments contained within this letter.

If you have any questions concerning this submittal, please contact Mr. David A. Smith at (860) 437-5840.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

R. P. Necci
Vice President - Nuclear Oversight and
Regulatory Affairs

Enclosure: (1)

cc: H. J. Miller, Region I Administrator
D. P. Beaulieu, Senior Resident Inspector, Millstone Unit No. 2
R. B. Eaton, NRC Senior Project Manager, Millstone Unit No. 2
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3
J. A. Nakoski, NRC Project Manager, Millstone Unit No. 3

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(1) NNECO Letter, M. L. Bowling, Jr., "Millstone Nuclear Power Station, Unit No. 3, Backlog Management Plan," dated March 31, 1998, (B17159).

(2) NNECO Letter, M. L. Bowling, Jr., "Millstone Nuclear Power Station, Unit No. 3, Backlog Management Performance Update - Second Quarter 1998," dated June 30, 1998, (B17287).

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Enclosure

Millstone Nuclear Power Station, Units No. 2 and 3

Second Quarter Backlog Performance Report for 1999

August 1999

BACKLOG PERFORMANCE REPORT

Second Quarter 1999

The purpose of this Backlog Performance Report is to provide the progress achieved in the disposition of work items that have been included in the backlog of deferred work in several work management categories for both Millstone Units No. 2 and 3. These work management categories include Configuration Management Discovery, Engineering Backlog, Total Corrective Action Assignments, ICAVP DR Corrective Action Assignments, Corrective Maintenance AWOs, Open Operability Determinations, Operator Work Arounds, Control Room Panel Deficiencies, Temporary Modifications, and NCRs. This Backlog Performance Report reflects the status of the deferred recovery backlog, the accumulation of post recovery new backlog, and adjustments to performance targets and the Backlog Management methodology functional requirements. Several targets have been modified to reflect the 1999 Operational Focus Goals for Millstone Station.

Backlog Management performance is evaluated two ways - reduction of recovery deferred backlog that existed as the units entered into Mode 2, as well as additional post restart backlog that has accumulated. Both perspectives are presented in the attached Key Performance Indicators for each work management category, where appropriate.

Background - Unit 2

The original targets for dispositioning the backlog of deferred work are described in the "Restart Backlog Management Plan" issued in December, 1998. Specific targets previously identified included the disposition of UIRs prior to mode 2 entry following RFO13, the disposition of ICAVP Discrepancy Reports (DRs) prior to entry into mode 2 following RFO13, and the disposition of remaining recovery backlog within six months after RFO13. The target for the disposition of DR's, which was also identified as a commitment, was revised to reflect completion by December 31, 2001, via "Backlog Management Plan Commitment Change" letter B17690, dated March 30, 1999. The targeted completion for remaining non - ICAVP recovery backlog is being revised via this update to be dispositioned no later than December 31, 2001. This target was revised based on an Engineering resource loading analysis performed in conjunction with Unit 3 backlog. This adjustment is appropriate in that it allows a continued focus on safe, event-free operation of both units rather than focus on those backlog items which are not safety significant.

Background - Unit 3

The Millstone Unit No. 3 "Backlog Management Plan" was issued, March 31, 1998. A subsequent update was issued on June 30, 1998, with additional information. The plan provides a structured approach to successfully manage and disposition the deferred

backlog population while maintaining a management focus on safe, event free operation of Unit No. 3.

The original plan for dispositioning the backlog of deferred work was described in the "Backlog Management Performance Update - Second Quarter," issued on June 30, 1998. That plan reads, "Backlog of Deferred Work will be dispositioned prior to entry into Mode 2 following RFO6 plus 6 months except for DR corrective actions and corrective actions related to previous UIRs and OIRs." This requirement was revised based on the Engineering resource loaded schedule as part of the first quarter 1999 Backlog Management update, and is planned to be dispositioned prior to June 30, 2002. The management team will continue to closely monitor the progress as overall station backlogs continue to trend towards industry standards.

The previous commitment in place for DR corrective actions to be dispositioned prior to entry into Mode 2 following RFO6 was revised to reflect completion by March 30, 2000, via "Backlog Management Plan Commitment Change" letter B17690, dated March 30, 1999.

Line Self-Assessment

Routine review of Key Performance Indicators by Unit Management assesses performance against goals. Appropriate action plans are established if performance is not meeting management expectations.

A Unit 3 self-assessment of the effectiveness of the Deferred Backlog Management Plan implementation, originally scheduled to be performed in the first quarter of 1999, has been rescheduled due to conflicts with refueling outage preparations to the third quarter of 1999, (3CAD-SA-99-01 "Deferred Backlog Reduction Effectiveness"). Lessons Learned will be applied to Unit 2.

Nuclear Oversight Assessment

Nuclear Oversight periodically assesses the deferred backlog work-off process and overall post-restart plant performance in these areas. A review of the Unit Deferred Items Committee for Unit 3 and the process for prioritizing or canceling backlog items, found discussions and dispositions of individual items to be appropriate. Additionally, Nuclear Oversight agreed with all cancellations observed.

Performance - Unit 2

Table 1 represents the Deferred Items Baseline for the initial post recovery Unit 2 entry into Mode 2 on May 9, 1999, and the Deferred Items Quarterly Status as of June 30, 1999. Table 2 represents the Performance Status and Targets by Work Management Category. Also attached are the associated Key Performance Indicators.

Initial progress towards trending to goals is mixed with some reduction in recovery backlog and the addition of emergent new backlog. Overall reduction of the recovery backlog is over 12% in a less than two month period. Areas for improvement include Temporary Modifications and Operator Work Arounds, which are recognized by the Station Management Team.

Performance - Unit 3

Table 3 represents the Deferred Items Baseline and the Deferred Items Quarterly Status as of June 30, 1999. Table 4 represents the Performance Status and Targets by Work Management Category. Also attached are the associated Key Performance Indicators.

Most backlog management goals are being met. Overall reduction of the recovery backlog is over 63% for the four quarters following Unit 3 Mode 2 entry. The exception is Temporary Modifications. This area is recognized by the Station Management Team as key to ensuring an operational focus and action is being taken to improve performance, specifically planned modifications scheduled for upcoming online equipment outages

Table 1

Unit 2 Deferred Items Baseline and Quarterly Status

Work Management Category Bins	As of 5/9/99	As of 6/30/99
Corrective Action Assignments	2620	2292
Corrective Maintenance Work Orders (AWOs)	502 (2)	421
Temporary Modifications	10	10
Operator Work Arounds (OWAs)	12	11
Control Room Panel Deficiencies	24	13
Configuration Management Discovery (UIRs)	128	115
Engineering Backlog (1)	644	553
ICAVP DR Corrective Action Assignments	638	609
Operability Determinations	18 (3)	15
Non-Conformance Reports	0	0
Total Recovery Backlog Items	***4596***	***4039***

(1) Engineering backlog consists of EWAs, EWRs, MMODs, DCRs, PDCEs, PAs, and PDCRs.
(2) Revised to include future outage backlog
(3) Operability Determinations category added in this submittal

Table 2

Second Quarter 1999 Recovery Backlog Performance Status and Targets by Work Management Category - Millstone 2

Work Management Category	Deferred Recovery Backlog Status (as of 6/30/99)	Category Status (including Near Term Targets)	Future Targets
Corrective Action Assignments	328 / 2620 (12.5%) completed	• Restart targets of no MID13 assignments, no overdue Level 1 CR investigations and ≤ 3 % overdue AITTS tied to Level 1 & 2 CRs were all met • 1st Quarter target of maintaining the total open CR AITTS steady has essentially been met with a slight increase	• Reduction in total open CR AITTS 3 months following restart • All deferred Corrective Actions dispositioned by 12/31/2001
Corrective Maintenance Work Orders (AWOs) -	81 / 502 (16.1%) completed	• Restart targets of no MID13 AWOs and ≤ 350 On PRA Risk Significant Systems were met • Restart target of ≤ 500 Power Block AWO's was not met	• ≤ 400 Power Block and ≤280 On PRA Risk Significant Systems *
Temporary Modifications	0 / 10 completed	• Restart target of ≤ 10 Temporary Modifications was met • 13 total existing	• ≤ 10 Temporary Modifications *
Operator Work Arounds (OWAs)	1 / 12 (8.3%) completed	• Restart target of ≤ 10 OWAs was not met • 11 presently existing	• ≤ 10 OWAs *
Control Room Panel Deficiencies	11 / 24 (45.8%) completed	• Restart target of ≤ 10 CRPs was not met	• ≤ 10 CRPs open *

* revised to be consistent with 1999 Operational Focus Goals

Configuration Management Discovery (UIRs)	13 / 128 (10%) completed	• Restart target of no open LB/DB Items was met	• All UIRs dispositioned by 12/31/2001

* revised to be consistent with 1999 Operational Focus Goals

Work Management Category	Deferred Recovery Backlog Status (as of 6/30/99)	Category Status (including Near Term Targets)	Future Targets
Engineering Backlog (Includes: EWA, EWR, MMOD, DCR, PDCE, PDCR, PMR) (Note DCNs, RIEs and IEEs are not included as they are daughter products of the above categories)	91 / 644 (14.1%) completed	• Restart target of all restart required engineering items dispositioned was met	• Support RFO13 Modifications schedule • Disposition all Engineering backlog by December 31, 2001.
ICAVP DR Corrective Actions	29 / 638 (4.5%) completed	• A gradual reduction in the number of open DR assignments is being shown	• Disposition all DRs by December 31, 2001
Operability Determinations	3 / 18 (16.7%) completed	• Near term target of a gradual reduction in the total number of open ODs has been met. Currently, there are 16 open Operability Determinations	• Recovery OD backlog will be dispositioned by December 31, 2001.

Table 3

Unit 3 Deferred Items Baseline and Quarterly Status

Work Management Category Bins	As of 6/29/98	As of 06/30/99
Corrective Action Assignments (non DR)	3915	1320
Corrective Maintenance Work Orders (AWOs)	583	135
Temporary Modifications	15	9
Operator Work Arounds (OWAs)	15	4
Control Room Panel Deficiencies	5	0
Non-Conformance Reports (NCRs)	57	22
Configuration Management Discovery	864	322
Engineering Backlog	777	405
ICAVP DR Corrective Action Assignments	838	371
Operability Determinations	28 includes 7 USQs	10 includes 3 USQs
Total Deferrable Items	*7097*	*2598*

Table 4

Second Quarter 1999 Recovery Backlog Performance Status and Targets by Work Management Category - Millstone 3

Work Management Category	Deferred Recovery Backlog Status (as of 6/30/99)	Category Status (including Near Term Targets)	Future Targets
Corrective Action Assignments	2595 / 3915 (66.3%) completed	• 3139 outstanding assignments (total new work and recovery backlog) • Near term targets of a continued reduction in total open CR AITTS was not maintained during the RFO6 (May, June 1999) time period	• Continued reduction in total open CR AITTS • All deferred Corrective Actions dispositioned by 6/30/2002
Corrective Maintenance Work Orders (AWOs)	448 / 583 (76.8%) completed	• 135 outstanding remaining recovery backlog of which 19 are scheduled for a future outage. Total recovery backlog plus new non-outage backlog is 351 AWO's. 138 AWO's in the total backlog remain for PRA risk significant systems	• ≤ 400 Power Block * • ≤ 250 on PRA Risk Significant Systems *
Temporary Modifications	6/15 completed	• 16 total Temporary Modifications existing	• ≤ 10 Temporary Modifications *
Operator Work Arounds (OWAs)	11/15 completed	• 5 total existing	• ≤ 10 OWAs *
Control Room Panel Deficiencies	5/5 completed	• 4 total existing. Target was < 10 by 12/98, and was met • Target of no CRPs open > 1 cycle has been met	• ≤ 10 CRPs open *
Non-Conformance Reports (NCRs)	35 / 57 (61.4%) completed	• Target is no overdue NCR corrective actions. Performance was satisfactory upon close of quarter • CRs are now used in place of NCRs per the revised Corrective Action program and will be tracked via CR goals	• No overdue NCR corrective actions • The NCR backlog will be dispositioned by 6/30/2002

* revised to be consistent with 1999 Operational Focus Goals

Work Management Category	Deferred Recovery Backlog Status (as of 6/30/99)	Category Status (including Near Term Targets)	Future Targets
Configuration Management Discovery (Corrective Actions related to previous UIRs and OIRs)	542 / 864 (62.7%) completed	• Near term target of a 25% reduction in the number of corrective actions related to previous UIRs and OIRs by the end of 1998 has been met	• All UIR / OIR Corrective Actions dispositioned by 6/30/2002
Engineering Backlog (Includes: EWA, EWR, MMOD, DCR, PDCE, PDCR, PMR) (Note DCNs, RIEs and IEEs are not included as they are daughter products of the above categories) (75 MSEEs are included in recovery backlog but will not be included in new work numbers due to their non LB/DB nature and, in many cases, short life span)	372 / 777 (47.9%) completed	• RFO6 modifications were completed prior to RFO6 restart	• Support RFO7 modifications schedule • All Engineering Recovery Backlog dispositioned by 6/30/2002
ICAVP DR Corrective Actions	533 / 904 (59%) completed	• Near term target of 25% reduction in open DR assignments by 12/98 has been met. Some new assignments have been created to manage closure of original issues	• All ICAVP DR ARs dispositioned by March 31, 2000
Operability Determinations	18/28 (64.3%) closed	• Near term target of a gradual reduction in the total number of open ODs has been met. Currently there are 21 open Operability Determinations. • Open ODs were reviewed by PORC for aggregate impact prior to restart from RFO6 • No ODs were greater than two years old for RFO6 restart	• Recovery OD backlog will be dispositioned by 6/30/2002

LIST OF ACRONYMS USED

AITTS	Action Item Tracking and Trending System
AR	action request
AWO	corrective maintenance work orders
CR	condition report
CRP	control room panel deficiency
DCN	design change notice
DCR	design change record
DR	discrepancy report
EWA	engineering work assignment
EWR	engineering work request
ICAVP	Independent Corrective Action Verification Program
IEE	item equivalency evaluation
LB/DB	licensing basis/design basis
MID13	mid operating cycle 13
MMOD	minor modification
MSEE	maintenance support engineering evaluation
NCR	non-conformance report
OD	operability determination
OIR	open item report
OWA	operator work around
PA	project assignment
PDCE	plant design change
PDCR	plant design change record
PMR	plant modification request
PORC	Plant Operations Review Committee
PRA	probabilistic risk assessment
RFO	refueling outage
RIE	replacement item evaluation
UIR	configuration management discovery unresolved item reports
USQ	unreviewed safety question

Appendix:

Key Performance Indicators (attached)

APPENDIX

Backlog Performance Report, Second Quarter 1999

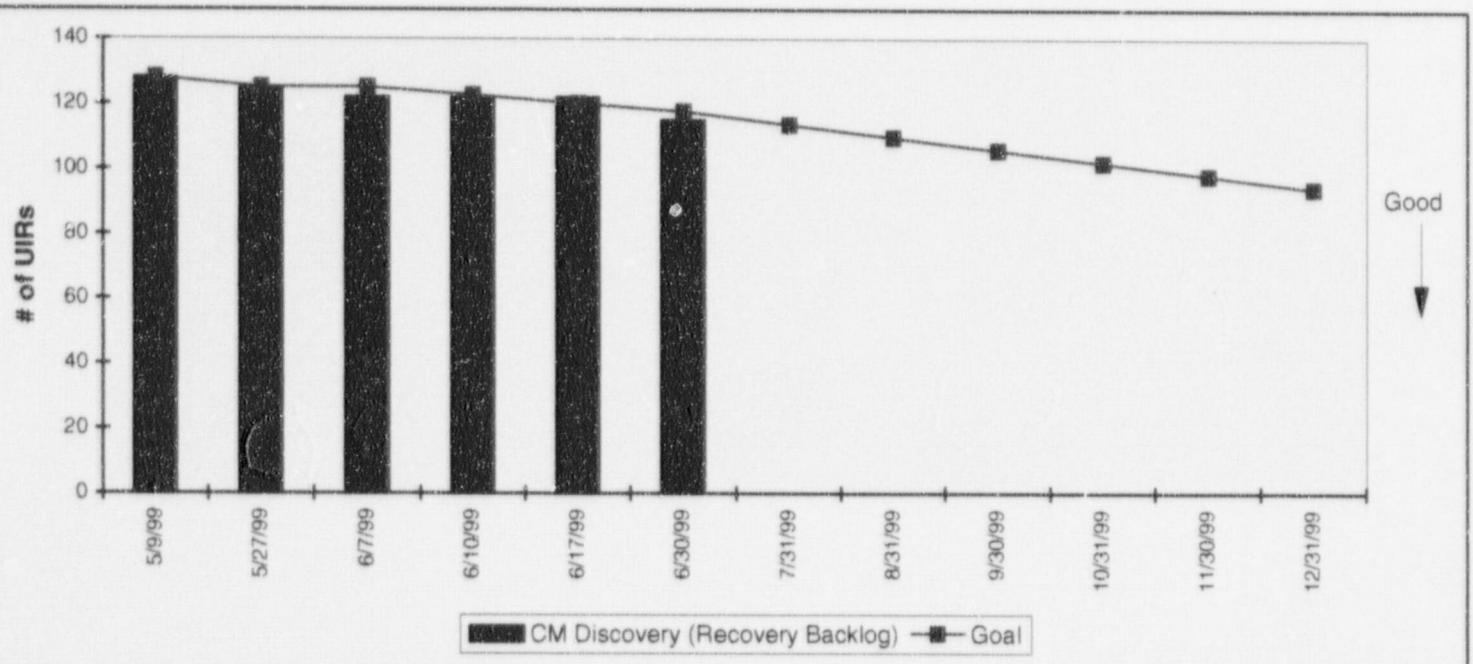
Key Performance Indicators

Millstone Unit No. 2

Millstone Unit No. 3

Backlog Management
Configuration Management Discovery
Millstone 2

Progress: ***Performance is satisfactory.***



Raw Data

	5/9/99	5/27/99	6/7/99	6/10/99	6/17/99	6/30/99	7/31/99	8/31/99	9/30/99	10/31/99	11/30/99	12/31/99
CM Discovery (Recovery Backlog)	128	125	122	122	122	115						
Goal	128	125	125	123	120	118	114	110	106	102	98	94

Definition

This indicator depicts the number of open Unresolved Item Report (UIR) corrective actions. UIRs were generated by the 10CFR50.54(f) Design Basis Review Program.

Analysis/Action

The restart target of no open licensing or design issues in the UIR subset of corrective actions was met for the unit transition to mode 2.

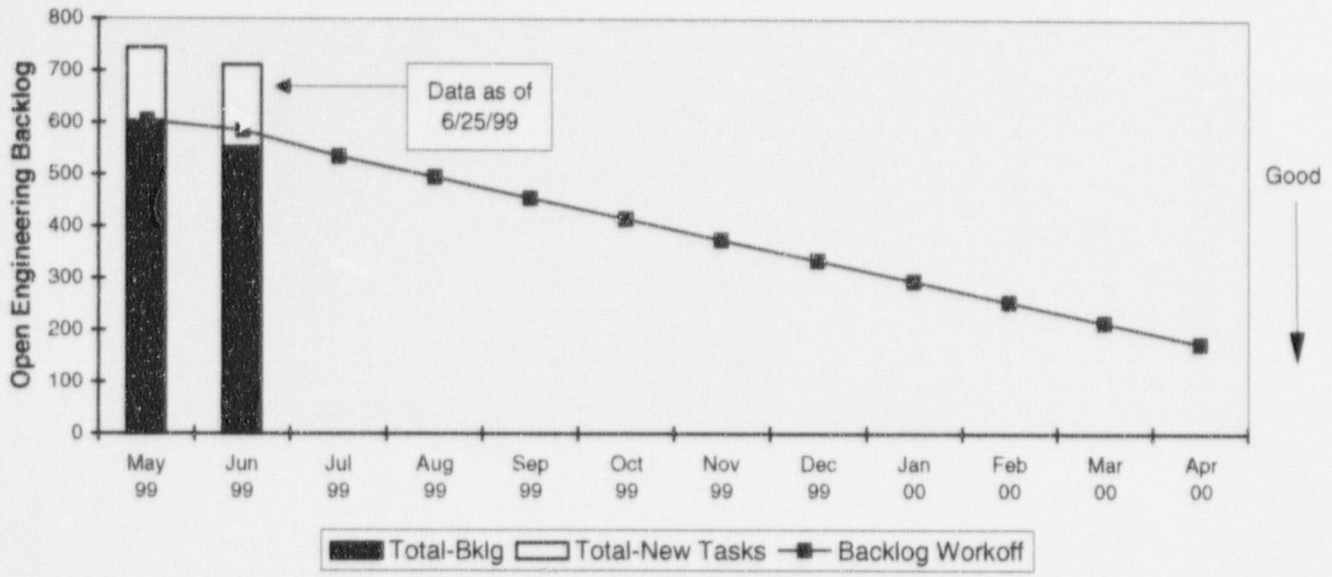
Goal

The goal is to disposition all UIR corrective action assignments prior to December 31, 2001.

Comments

Backlog Management
Engineering Backlog
Millstone 2

Progress: ***Performance is tracking to satisfactory.***



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	May 99	Jun 99	Jul 99	Aug 99	Sep 99	Oct 99	Nov 99	Dec 99	Jan 00	Feb 00	Mar 00	Apr 00
EWRs/EWAs-New	141	152										
DCRs/MMODs-New	0	6										
Total-New Tasks	**141**	**158**										
EWRs/EWAs-Bklog	365	355										
PAs-Bklog	17	17										
DCRs/MMODs-Bklog	174	135										
PDCEs/PDCRs-Bklog	47	46										
Total-Bklg	**603**	**553**										
Backlog Workoff	**603**	**584**	**534**	**494**	**454**	**414**	**374**	**334**	**294**	**254**	**214**	**174**

Definition

This indicator depicts the quantity of open engineering work document types. These types include Engineering Work Requests (EWRs), Engineering Work Assignments (EWAs), Design Change Records (DCRs), Minor Modifications (MMODs), Plant Design Change Evaluations (PDCEs), Plant Design Change Records (PDCRs), and Project Assignments (PAs).

Maintenance Support Engineering Evaluations (MSEEs), Design Change Notices (DCNs), and Replace Item Evaluations (RIEs), are not included.

Analysis/Action

A unit instruction has been approved for ranking and selecting open engineering items for completion. Efforts to identify and prioritize work are ongoing at this time.

Goal

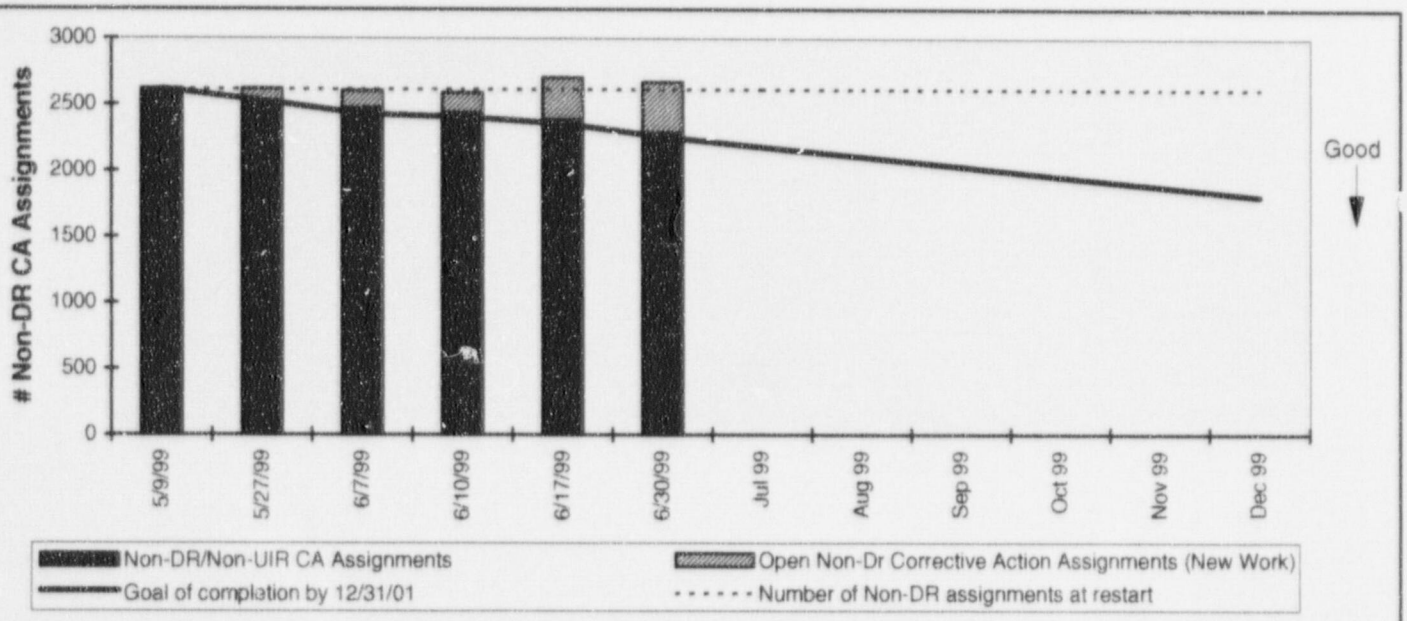
The target is to disposition the Engineering backlog by September 30, 2001 (Target provided to the NRC is December 31, 2001).

Comments

The Engineering Backlog at unit restart (Mode 2 on 5/9/99) was 644 items.

Backlog Management
Corrective Action Assignments
Millstone 2

Progress: ***Performance is tracking to satisfactory.***



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	5/9/99	5/27/99	6/7/99	6/10/99	6/17/99	6/30/99	Jul 99	Aug 99	Sep 99	Oct 99	Nov 99	Dec 99
Non-DR/Non-UIR CA Assignments	2620	2530	2477	2442	2390	2292						
Open Non-Dr Corrective Action Assignments (New Work)		87	125	146	315	379						
Goal of completion by 12/31/01	2620	2530	2430	2409	2359	2259	2183	2108	2033	1957	1882	1807

Definition

This indicator depicts the total number of open deferred AITTS assignments linked to Condition Reports (CRs). Deficiency Reports (DRs) and Unresolved Item Reports (UIRs), which are tracked within the Corrective Action Program, are not included in this indicator. DRs and UIRs are tracked by separate indicators.

Analysis/Action

Recovery backlog is being worked per schedule while the total open Corrective Action backlog is holding steady.

For the first quarter following unit restart the total open corrective action target has remained essentially steady as expected; for subsequent quarters the target is a gradual reduction in the total open.

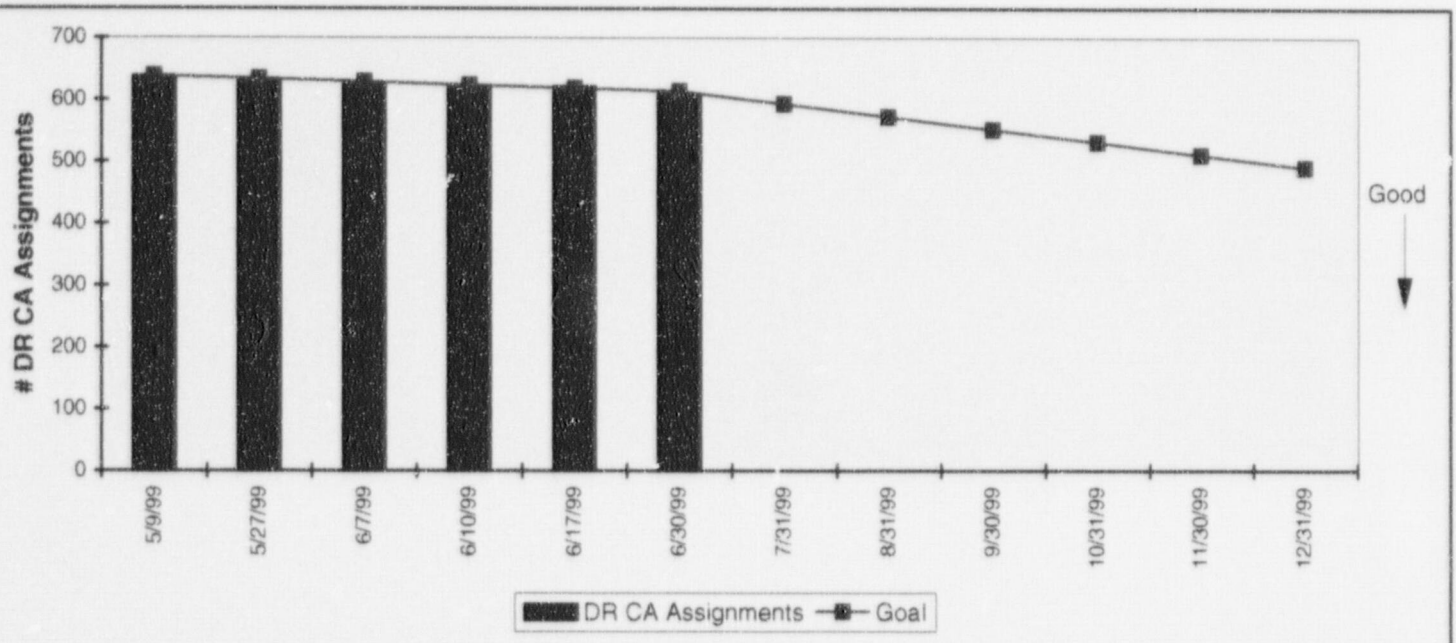
Goal

The goal is to disposition all deferred corrective action assignments prior to December 31, 2001.

Comments

Backlog Management
DR Corrective Action Assignments
Millstone 2

Progress: ***Performance is satisfactory.***



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	5/9/99	5/27/99	6/7/99	6/10/99	6/17/99	6/30/99	7/31/99	8/31/99	9/30/99	10/31/99	11/30/99	12/31/99
DR CA Assignments	638	629	624	622	621	609						
Goal	638	633	628	623	618	613	593	572	552	531	511	490

Definition

This indicator depicts the total number of open AITTS assignments tracking resolution of Deficiency Reports (DRs) produced during the Independent Corrective Action Verification Process (ICAVP).

Analysis/Action

The number of DR corrective actions is on schedule to meet the goal.

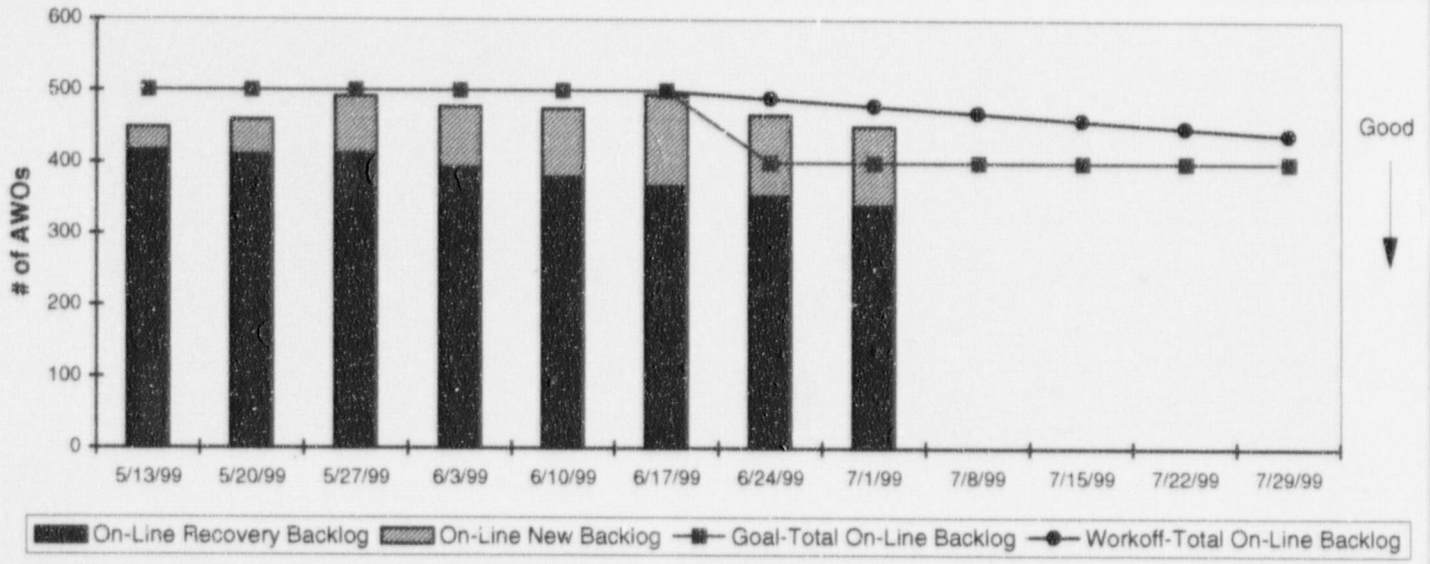
Goal

The goal is to disposition all ICAVP DR corrective actions by December 31, 2001 (commitment B 17690.020).

Comments

Backlog Management
Corrective Maintenance AWOs
Millstone 2

Progress: ***Performance is tracking to satisfactory.***



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Work Week	9919	9920	9921	9922	9923	9924	9925	9926	9927	9928	9929	9930
Report Date	5/13/99	5/20/99	5/27/99	6/3/99	6/10/99	6/17/99	6/24/99	7/1/99	7/8/99	7/15/99	7/22/99	7/29/99
Total Recovery Backlog	502	492	492	471	472	453	436	421				
Future Outage Recovery Backlog	86	82	80	79	93	86	83	81				
On-Line Recovery Backlog	416	410	412	392	379	367	353	340				
On-Line New Backlog	32	49	80	86	96	128	114	111				
Total On-Line Backlog	448	459	492	478	475	495	467	451				
Goal-Total On-Line Backlog	500	500	500	500	500	500	400	400	400	400	400	400
Workoff-Total On-Line Backlog						500	490	480	470	460	450	440
PRA Risk Sig Backlog	226	231	238	230	230	243	241	240				
Goal-PRA Risk Sig Backlog	350	350	350	350	350	350	280	280	280	280	280	280

Definition

This indicator depicts the number of on-line Corrective Maintenance (CD and CM type) Automated Work Orders (AWOs), the portion of those associated with Probabilistic Risk Assessment (PRA) risk significant systems, and Corrective Maintenance (CD and CM type) work scheduled in future outage(s). PRA Risk Significant systems are systems required to protect the reactor core or mitigate the consequences of an accident.

Work awaiting post maintenance testing or closure is not included in this KPI. Also excluded are AWOs for support work, such as insulation removal, outage work, and Preventative Maintenance (PM) or Surveillance AWOs, as well as AWOs not associated with power block equipment. All CM work scheduled in future outages does not include support AWOs, PM AWOs or Surveillance AWOs.

Analysis/Action

This KPI is tracking to satisfactory in support of achieving the goal by September.

Efforts continue to focus engineering support and planning support further out in front in the planning preparation process to increase the amount of AWOs which make it through from T12 to implementation.

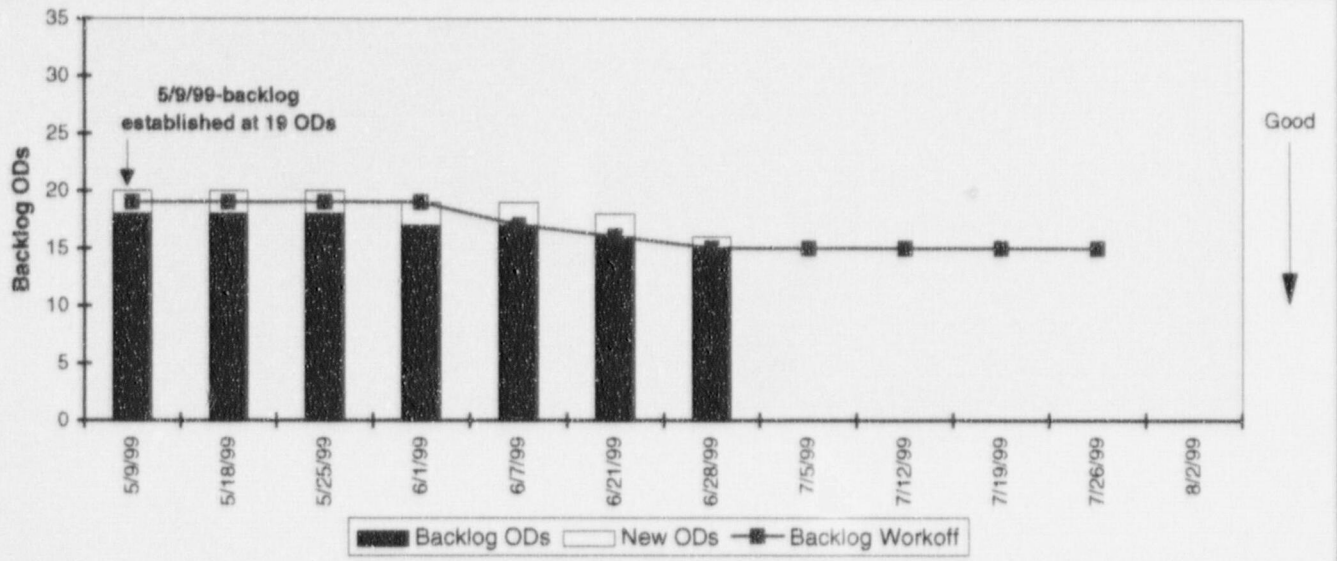
Goal

The goal has changed to ≤400 total on-line CM AWOs. Of these, ≤280 will be PRA risk significant AWOs.

Comments

Backlog Management
Open Operability Determinations
Millstone 2

Progress: ***Progress is Satisfactory***



Raw Data

	5/9/99	5/18/99	5/25/99	6/1/99	6/7/99	6/21/99	6/28/99	7/5/99	7/12/99	7/19/99	7/26/99	8/2/99
Backlog ODs	**18**	**18**	**18**	**17**	**17**	**16**	**15**					
New ODs	2	2	2	2	2	2	1					
Closed ODs	1	0	0	1	0	2	2					
Backlog Workoff	19	19	19	19	19	17	16	15	15	15	15	15

Definition

This indicator depicts the number of Operability Determinations (ODs) open when Unit 2 reached Mode 2.

An OD is an evaluation performed on a degraded Structure, System, or Component (SSC) to determine that the SSC is able to perform its safety functions. New ODs on degraded conditions are closed when the condition is restored to fully qualified requirements.

Analysis/Action

All fifteen of the open backlog ODs are in the Final status (PORC approved). Four Backlog ODs have been resolved.

Four of the open ODs have compensatory actions associated with them. These compensatory actions consist of guidance in an AOP and Surveillance Testing (administrative actions).

Goal

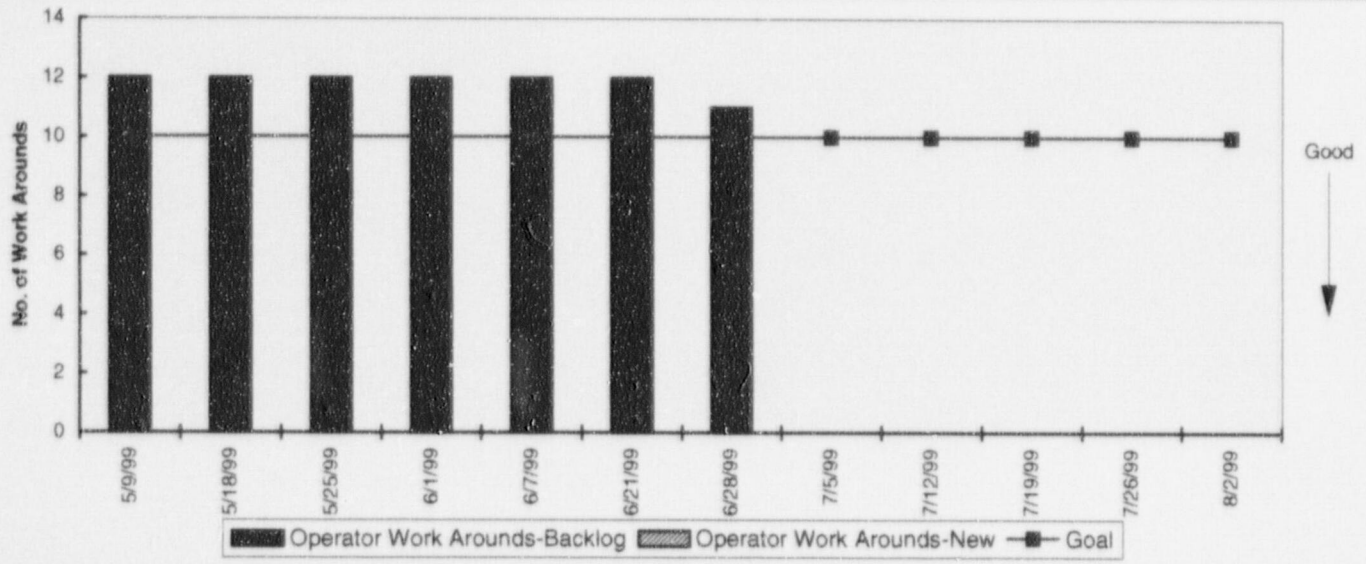
The recovery OD backlog will be dispositioned by December 31, 2001.

Comments

Backlog Management
Operator Work Arounds

Millstone 2

Progress: ***Progress Is Not Meeting Management Expectations.***



Raw Data

	5/9/99	5/18/99	5/25/99	6/1/99	6/7/99	6/21/99	6/28/99	7/5/99	7/12/99	7/19/99	7/26/99	8/2/99
Operator Work Arounds-Backlog	12	12	12	12	12	12	11					
Operator Work Arounds-New	0	0	0	0	0	0	0					
Total Operator WAs	12	12	12	12	12	12	11					
Goal	10	10	10	10	10	10	10	10	10	10	10	10

Definition

This indicator depicts the number of Operator Work Arounds. These are broken down into two categories: Backlog and New.

Operator Work Arounds are conditions which require an operator to work with equipment in a manner other than original design intended.

Operator Work Arounds can:

1. Potentially impact safe operation during a plant transient
2. Potentially impose significant burden during normal operation
3. Create nuisance condition due to recurring equipment deficiency
4. Distract an operator from noticing a recurring condition

It is desirable to have a small number of operator work arounds, and to limit the time such work arounds persist.

Analysis/Action

The number of Operator Burdens on Unit 2 at the time of entry into Mode 2 was 12. Therefore, Operator Burden Backlog was frozen at 12.

No new operator burdens were generated and one was resolved this past week. All 11 of the open operator burdens identified have been on the list for greater than 6 months.

Management will continue to analyze the aggregate of all the items on the Operator Burden List and their affect on the safe operation of the plant.
Actions to improve performance indicator are to implement requested programs and processes and allocate the resources to perform the physical work.

Seven (7) of the Open Operator Burdens are waiting Engineering resolution.

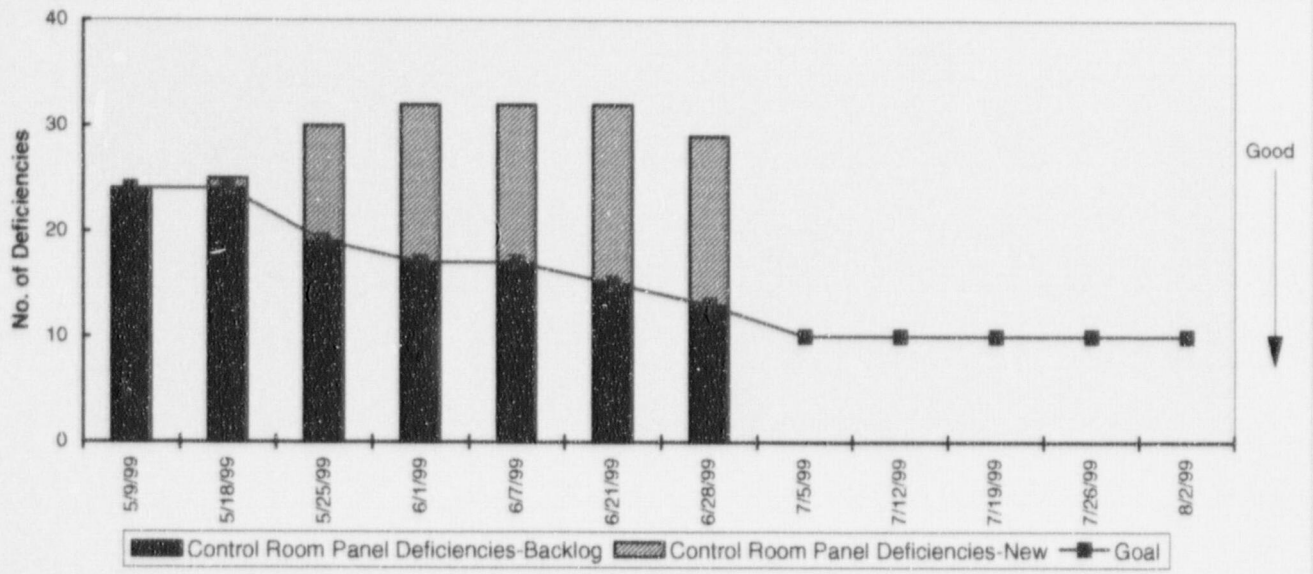
Goal

The goal is to have ≤10 operator work arounds.

Comments

Backlog Management
Control Room Panel Deficiencies
Millstone 2

Progress: ***Progress is tracking to satisfactory.***



Raw Data

	5/9/99	5/18/99	5/25/99	6/1/99	6/7/99	6/21/99	6/28/99	7/5/99	7/12/99	7/19/99	7/26/99	8/2/99
Control Room Panel Deficiencies-Backlog	24	24	19	17	17	15	13					
Control Room Panel Deficiencies-New		1	11	15	15	17	16					
Awaiting Retest	1	1	1	1	1	1						
Waiting Solution	23	24	29	31	31	31	29					
Total Deficiencies	24	25	30	32	32	32	29					
Goal	24	24	19	17	17	15	13	10	10	10	10	10

Definition

This indicator depicts the number of Control Room Panel (CRP) deficiencies. These are broken down into two categories: Backlog and New.

CRP deficiencies are control room instruments, recorders, indicators, and annunciators that function improperly and could affect the ability of the operators to monitor and control plant conditions.

Analysis/Action

The backlog of CRP Deficiencies is being worked, however, the number of initiated CRP Deficiencies exceeds the number being resolved, therefore, the overall number of CRP Deficiencies has been increasing. Seven of the open CRP Deficiencies have been in place greater than 6 months.

A number of new CRP Deficiencies are still under evaluation and are not in the schedule to be worked. Four CRP Deficiencies either have EWRs resolving the discrepancy or are awaiting Engineering direction to resolve the deficiency. Seven of the 32 Open CRP have been captured in a specific Work Week.

Goals

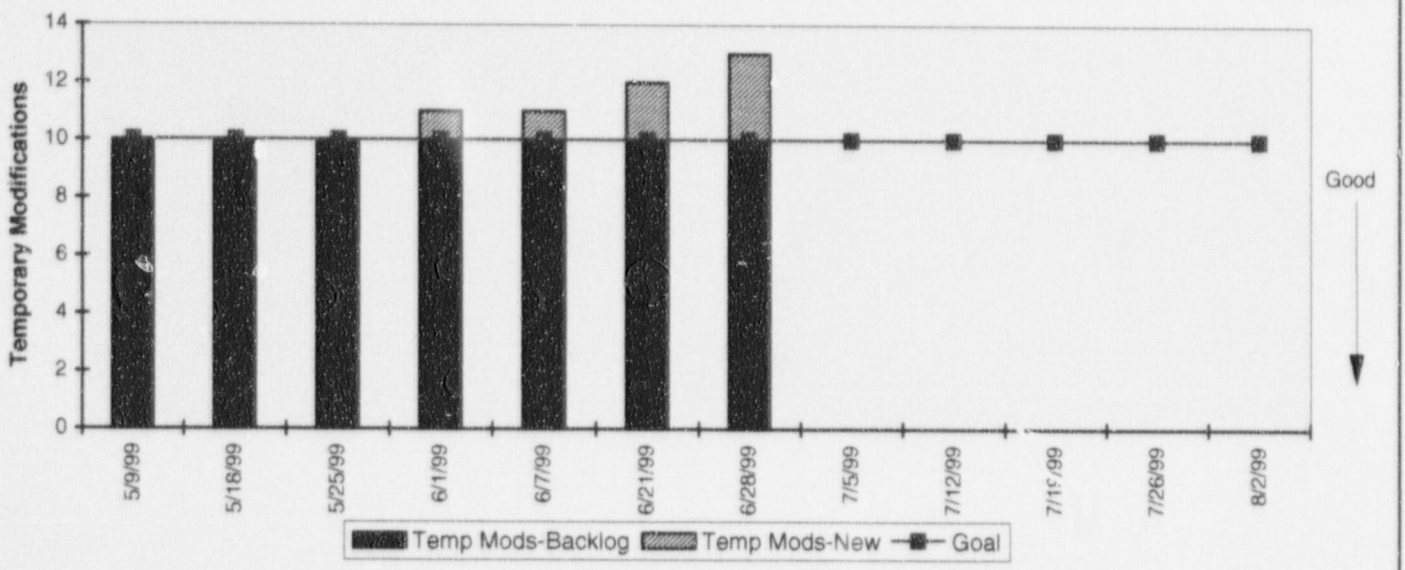
The goal is to have ≤10 CRP deficiencies open.

Comments

The number of CRP Deficiencies in place on Unit 2 at the time of entry into Mode 2 was 24. Therefore, CRP Deficiency Backlog was frozen at 24.

Backlog Management
Temporary Modifications
Millstone 2

Progress: ***Progress is not meeting management expectations.***



Raw Data

	5/9/99	5/18/99	5/25/99	6/1/99	6/7/99	6/21/99	6/28/99	7/5/99	7/12/99	7/19/99	7/26/99	8/2/99
Temp Mods-Backlog	10	10	10	10	10	10	10					
Temp Mods-New	0			1	1	2	3					
Goal	10	10	10	10	10	10	10	10	10	10	10	10

Definition

This indicator depicts the total number of Temporary Modifications (TMs) to permanent plant design. These are broken down into two categories: Backlog and New. Deferred TMs are those that were in place when Unit 2 reached Mode 2. New TMs are those that have been installed since restart.

A Temporary Modification is a modification to the plant that is short-term in nature and not part of the permanent plant design change process.

Analysis/Action

The number of Temp Mods installed on Unit 2 at the time of entry into Mode 2 was 10. Therefore, TM Backlog was frozen at 10.

There are resolution action plans in place to successfully remove the installed Temp Mods when plant conditions permit and resources are available.

Six of the 13 open Temp Mods have been captured in the Work Week schedule.

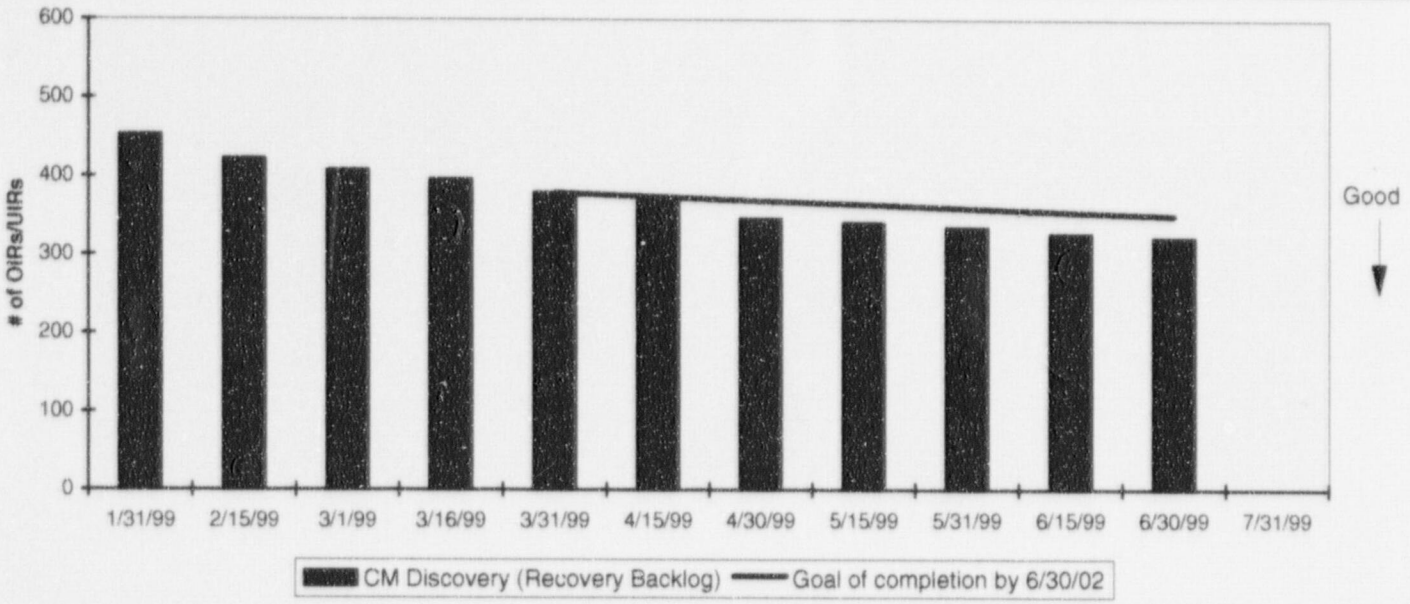
Goal

The goal is to have ≤10 Temporary Modifications.

Comments

Backlog Management
Configuration Management Discovery
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/31/99	2/15/99	3/1/99	3/16/99	3/31/99	4/15/99	4/30/99	5/15/99	5/31/99	6/15/99	6/30/99	7/31/99
CM Discovery (Recovery Backlog)	453	422	408	396	379	369	346	341	335	327	322	
Goal of completion by 6/30/02					379	374	369	365	360	355	350	

Definition

This indicator depicts the number of Open Item Report (OIRs) and Unresolved Item Reports (UIRs) for which the corrective actions are not yet complete. These items are in the Corrective Action Program for tracking and close-out purposes.

Analysis/Action

Engineering and other departments are continuing to work off items in parallel with resource loading efforts.

A new workoff schedule has been established. The backlog is expected to be completed by 6/30/02

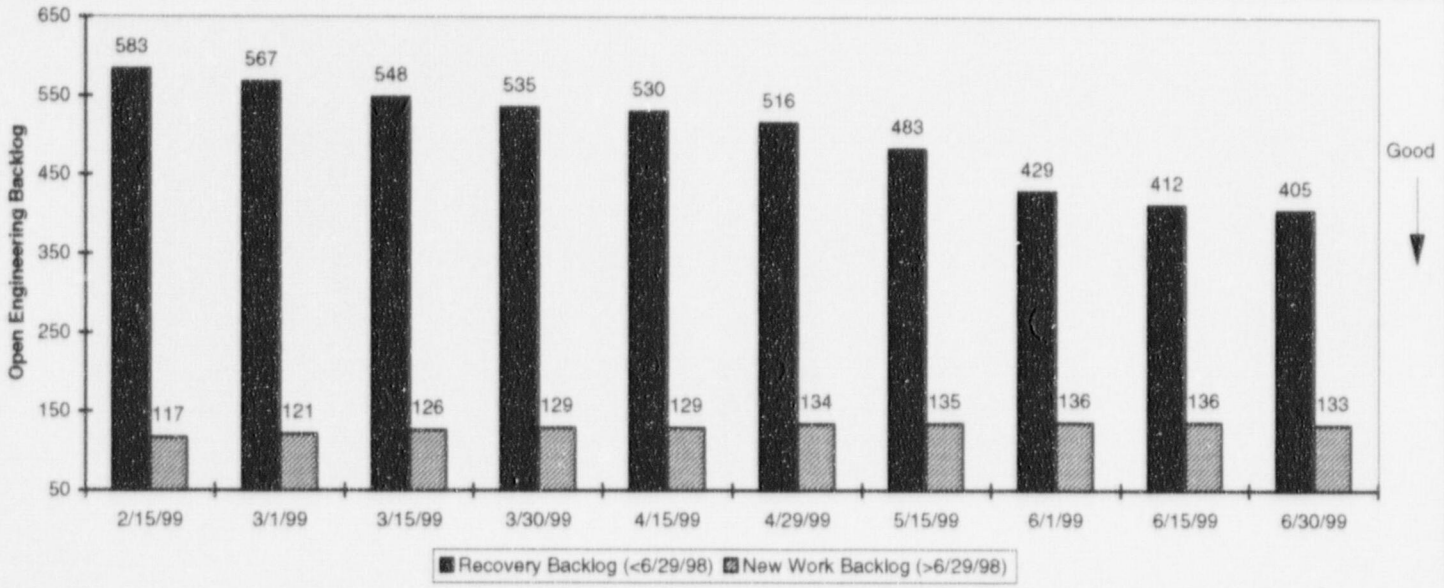
Goal

The Configuration Management backlog will be dispositioned by 6/30/02.

Comments

Backlog Management
Engineering Backlog
Millstone 3

Progress: ***Performance is tracking to satisfactory since short term goals have been met. Longer term work-off curve will be added later.***



Raw Data

	1/15/99	1/31/99	2/15/99	3/1/99	3/15/99	3/30/99	4/15/99	4/29/99	5/15/99	6/1/99	6/15/99	6/30/99
Recovery Backlog (BRFO)	181	146	137	123	87	74	28	5	2	1	0	221
Recovery Backlog (RFO)	101	101	97	92	71	65	44	48	22	19	4	53
Recovery Backlog (Other)	324	347	349	352	390	396	458	463	459	409	408	131
New Backlog (BRFO)	32	26	10	10	7	7	4	0	0	0	0	50
New Backlog (RFO)	17	19	17	19	14	14	13	17	14	11	2	28
New Backlog (Other)	55	65	90	92	105	108	112	117	121	125	134	55

Definition

This indicator depicts the quantity of open engineering work document types, both deferred and new. These types include Engineering Work Requests (EWRs), Engineering Work Assignments (EWAs), Design Change Records (DCRs), Minor Modifications (MMODs), Plant Design Change Evaluations (PDCEs), Plant Design Change Records (PDCRs), Plant Modification Requests (PMRs), and Project Assignments (PAs).

Maintenance Support Engineering Evaluation (MSEEs) are not included in the backlog quantities above except for the 75 original included at restart.

Design Change Notices (DCNs) and Replace Item Evaluations (RIEs) are not included in the above quantities.

Analysis/Action

A long term workdown curve for the Millstone 3 Engineering Backlog is being developed. Efforts to coordinate the prioritization of engineering items for completion for both Millstone 3 and Millstone 2 are ongoing at this time.

Goal

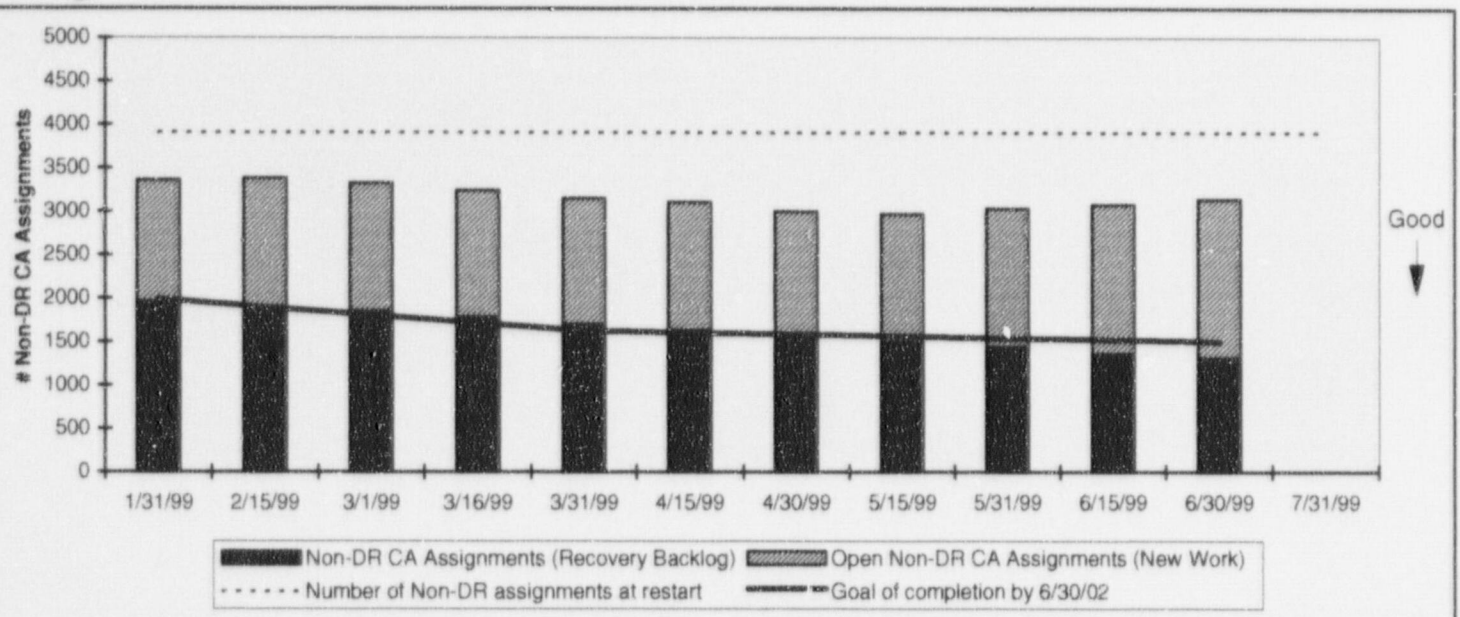
The Engineering Recovery Backlog will be dispositioned by June 30, 2002.

Comments

6/30/99: Reformatted graph to indicate cumulative work product backlog. Prior to 6/30/99, backlog schedule data is provided as for cycle 6. Starting 6/30/99 cycle 7 schedule data is provided.

Backlog Management
Corrective Action Assignments
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/31/99	2/15/99	3/1/99	3/16/99	3/31/99	4/15/99	4/30/99	5/15/99	5/31/99	6/15/99	6/30/99	7/31/99
Non-DR CA Assignments (Recovery Backlog)	1967	1905	1852	1786	1701	1635	1539	1501	1442	1364	1320	
Open Non-DR CA Assignments (New Work)	1394	1476	1472	1454	1450	1474	1461	1472	1591	1712	1819	
Completed Non-DR CA Assignments (New Work)	1704	1797	1923	2029	2163	2250	2369	2459	2571	2688	2813	

Definition

This indicator depicts the total number of open AITTS assignments linked to Condition Reports (CRs). Deficiency Reports (DRs), which are tracked within the Corrective Action Program, are not included in this indicator. These are broken down into two categories, deferred and new. DRs are tracked by a separate indicator.

Analysis/Action

The Corrective Action backlog was frozen with the unit's entry into mode 2. The data indicates that the current backlog of recovery + new work is slightly decreasing from the backlog frozen at mode 2.

The corrective action recovery backlog has been reduced by 66.3% from the initial count of 3915 items.

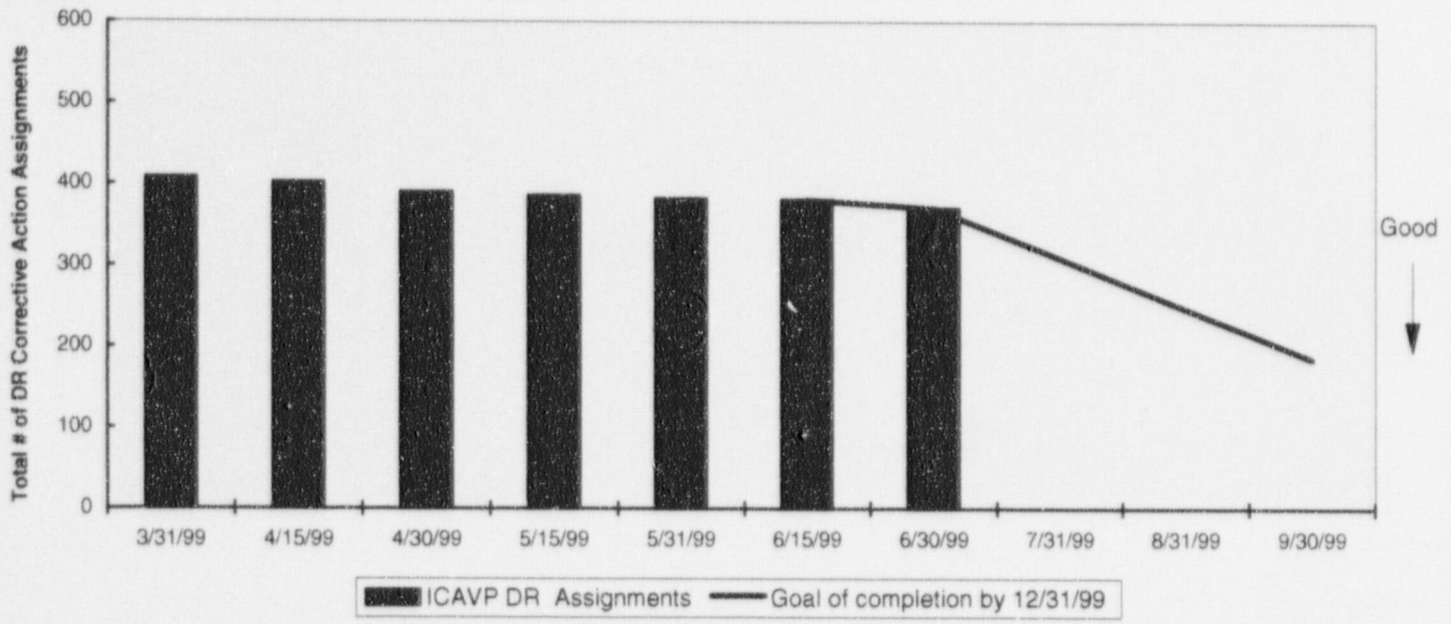
Goal

The Corrective Action Assignments backlog will be dispositioned by 6/30/02.

Comments

Backlog Management
DR Corrective Action Assignments
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/31/99	2/15/99	3/1/99	3/16/99	3/31/99	4/15/99	4/30/99	5/15/99	5/31/99	6/15/99	6/30/99	7/31/99
ICAVP DR Assignments	424	417	414	411	408	402	390	386	382	381	371	
Goal of completion by 12/31/99										381	371	

Definition

This indicator depicts the total number of open AITTS assignments linked to Deficiency Reports (DRs) resulting from ICAVP Condition Reports (CRs).

Analysis/Action

The DR Corrective Action backlog was frozen with the unit's entry into mode 2. The number of assignments has increased slightly due to new assignments being created to facilitate/manage closure of the issues.

The DR recovery backlog has been reduced by 59% from the initial count of 904 items.

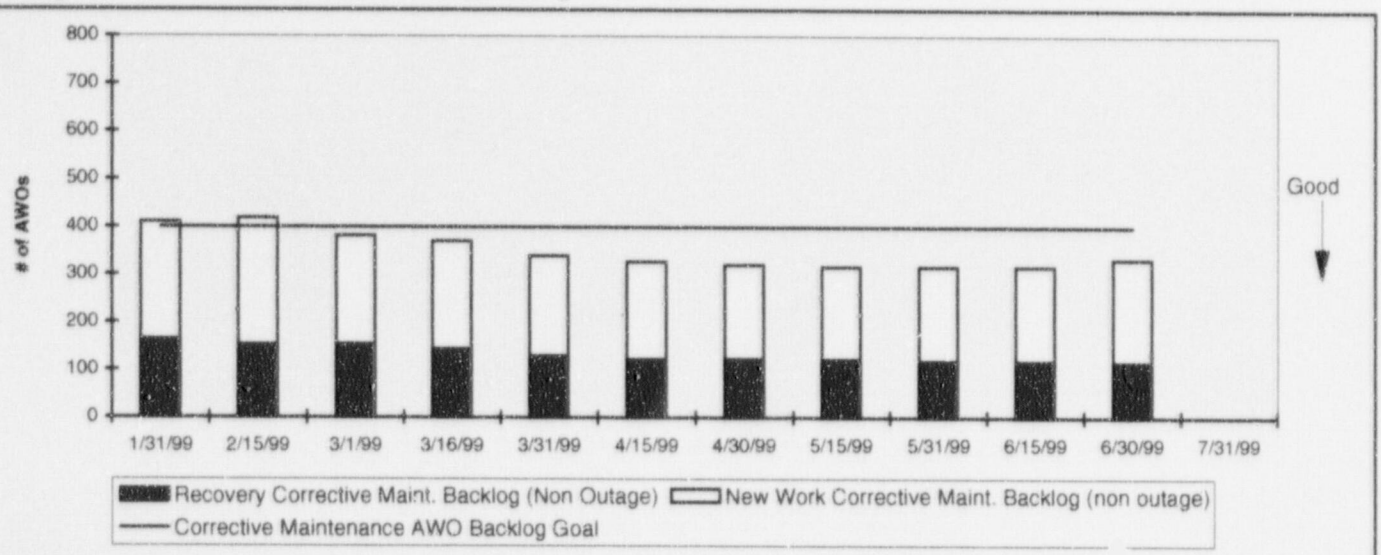
Goal

The Goal is to complete the DR Corrective Action backlog by 12/31/99. NRC Commitment B17690.010 requires completion by 3/31/00.

Comments

Backlog Management
Corrective Maintenance AWOs
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/31/99	2/15/99	3/1/99	3/16/99	3/31/99	4/15/99	4/30/99	5/15/99	5/31/99	5/99	6/30/99	7/31/99
Total AWO Recovery Backlog (On Line, Future Outage)	290	279	271	242	230	219	211	195	151	141	135	
Recovery Backlog future outage	126	126	117	99	101	97	88	73	32	23	19	
Recovery Corrective Maint. Backlog (Non Outage)	164	153	154	143	129	122	123	122	119	118	116	
New Work Corrective Maint. Backlog (non outage)	246	265	227	227	210	205	198	195	198	199	216	
Non Outage Corrective Maint. Backlog (Recovery & New Work)	410	418	381	370	339	327	321	317	317	317	332	
PRA Risk Significant AWOs	189	180	164	145	140	135	127	127	127	134	138	
PRA Risk Significant AWO Backlog Goal	250	250	250	250	250	250	250	250	250	250	250	
Corrective Maintenance AWO Backlog Goal	400	400	400	400	400	400	400	400	400	400	400	

Definition

This indicator depicts the number of on line Corrective Maintenance (CM) Automated Work Orders (AWOs), the portion of those associated with Probabilistic Risk Assessment (PRA) risk significant systems, and CM work schedule in future outage(s). PRA Risk Significant systems are systems required to protect the reactor core or mitigate the consequences of an accident.

Work awaiting post maintenance testing or closure is not included in this KPI. Also excluded are AWOs for support work, such as insulation removal, outage work, and Preventative Maintenance or Surveillance AWOs, as well as AWOs not associated with power block equipment. Power Ascension AWOs are not included and are tracked by a separate KPI. All CM work schedule in future outage(s), does not include support Automated Work Orders (insulation removal etc.), Preventative Maintenance (PM) or Surveillance (SV) AWOs.

Analysis/Action

The AWO backlog was frozen at 583 AWOs with the unit's entry into mode 2. The Organization is scheduling the AWOs into the 12 week rolling window schedule and the next refueling outage.

14 of the Refueling AWOs have been scheduled for RFO7.

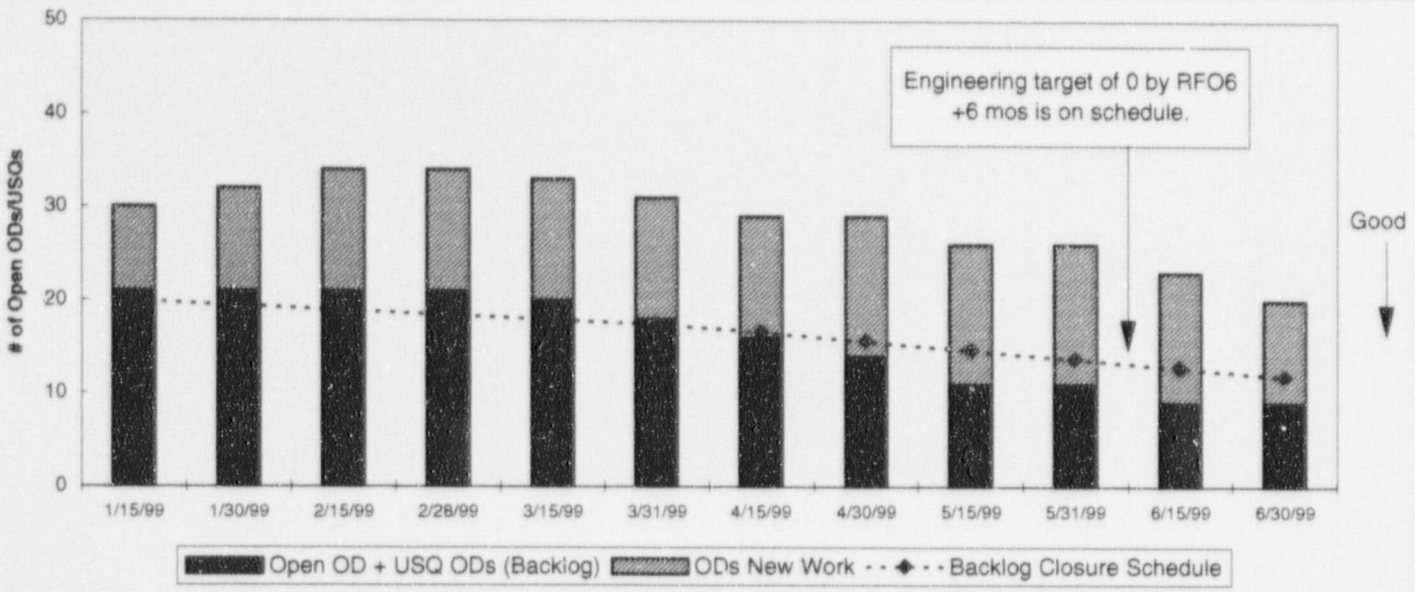
Goal

The goal has changed to ≤400 Total On-Line Corrective Maintenance AWOs per unit. Of these 400, ≤250 will be PRA risk significant AWOs.

Comments

Backlog Management
Open Operability Determinations
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/15/99	1/30/99	2/15/99	2/28/99	3/15/99	3/31/99	4/15/99	4/30/99	5/15/99	5/31/99	6/15/99	6/30/99
Open OD + USQ ODs (Backlog)	**21**	**21**	**21**	**21**	**20**	**18**	**16**	**14**	**11**	**11**	**9**	**10**
Backlog Closure Schedule	**20**	**19**	**19**	**18**	**18**	**17**	**17**	**16**	**15**	**14**	**13**	**12**
ODs New Work	**9**	**11**	**13**	**13**	**13**	**13**	**13**	**15**	**15**	**15**	**14**	**11**
USQ ODs (Backlog)	6	6	6	6	5	5	4	3	2	2	3	3
ODs Open < 6 Mth.	6	6	7	7	7	6	6	9	9	10	10	9
ODs Open 6 Mth to 1 Yr	24	26	26	25	22	20	17	13	13	9	4	2
ODs Open 1 to 2 Yrs.	0	0	1	2	4	5	6	7	4	7	9	9
ODs Open > 2 Yrs.	0	0	0	0	0	0	0	0	0	0	0	0

Definition

This indicator depicts the number of open Operability Determinations (ODs), and also open ODs with Unreviewed Safety Questions (USQs). Open ODs tied to USQs remain open until approved by the NRC.

An OD is an evaluation performed on a degraded Structure, System or Component (SSC) to determine if the SSC is able to perform its safety functions. ODs are closed when the degraded condition is restored to fully qualified requirements.

Goal

The Recovery OD Backlog will be dispositioned by June 30, 2002. (The Engineering target of 0 by RFO6 mode 2 + 6 months is on schedule). No OD age > 2 years prior to RFO6 Mode 2.

Comments

There are 5 new ODs and 11 closed since June 1, 1999.

Analysis/Action

Goal Analysis

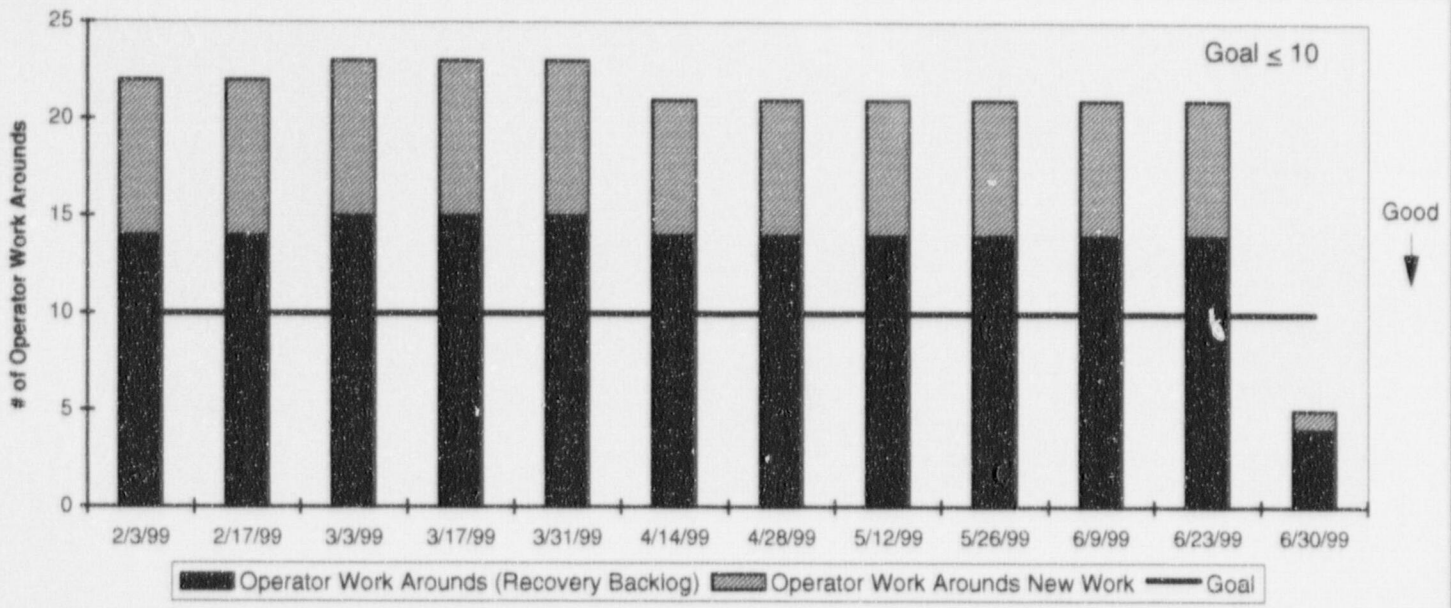
1. OD Backlog reduction is tracking to satisfactory.
2. All ODs **were** <2 years old by RFO6 Mode 2.

Recent Actions

1) Closed MP3-002-99 Containment Unidentified Leakage Monitoring, 6/9/99
2) Closed MP3-107-98 RCP Flange and Seal Housing Bolts, 6/9/99.
3) New/Closed MP3-019-99 Hydramotor Actuator Pins, 6/10/99
4) New MP3-020-99 EDG Fuel Oil Check Valves, 6/10/99.
5) Closed MP3-100-98 HELB Turbine Building MSLB, 6/18/99.
6) Closed MP3-016-99 HVK Thermal Performance Test, 6/21/99.
7) Closed MP3-092-98 Litton Veam Connector O-Rings, 6/22/99.
8) New/Closed MP3-021-99 B RHR Not Swept when Aligned to Inj, 6/25/99.
9) New MP3-022-99 Air Lock O-rings purchased Non-QA, 7/6/99.
10) Closed MP3-007-99 SG bolts/gaskets improper documentation, 7/6/99.

Backlog Management
Operator Work Arounds
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	2/3/99	2/17/99	3/3/99	3/17/99	3/31/99	4/14/99	4/28/99	5/12/99	5/26/99	6/9/99	6/23/99	6/30/99
Operator Work Arounds (Recovery Backlog)	**14**	**14**	**15**	**15**	**15**	**14**	**14**	**14**	**14**	**14**	**14**	**4**
Operator Work Arounds New Work	**8**	**8**	**8**	**8**	**8**	**7**	**7**	**7**	**7**	**7**	**7**	**1**
Operator Work Arounds > 1 Year in Age	11	14	15	15	15	14	14	14	14	14	14	4

Definition

This indicator depicts the number of Operator Work Arounds (OWA) broken down into two categories, deferred and new. Operator Work Arounds (OWA) are conditions which require Operator compensatory actions such that the cumulative impact of those actions could compromise the ability of the normal, on-shift operations staff to monitor the plant or respond to plant transients.

Operator Work Arounds have potential to:
+ Impact safe operation during a plant transient,
+ Impose significant burdens during normal operation,
+ Create nuisance conditions due to recurring equipment deficiencies,
+ Distract operators from noticing recurring conditions.

Analysis/Action

Unit 3 Operator Work Arounds have been screened against OP3260E, Rev. 1.

5 Work Arounds remain, which brings the Unit 3 OWA program in line with Unit 2.

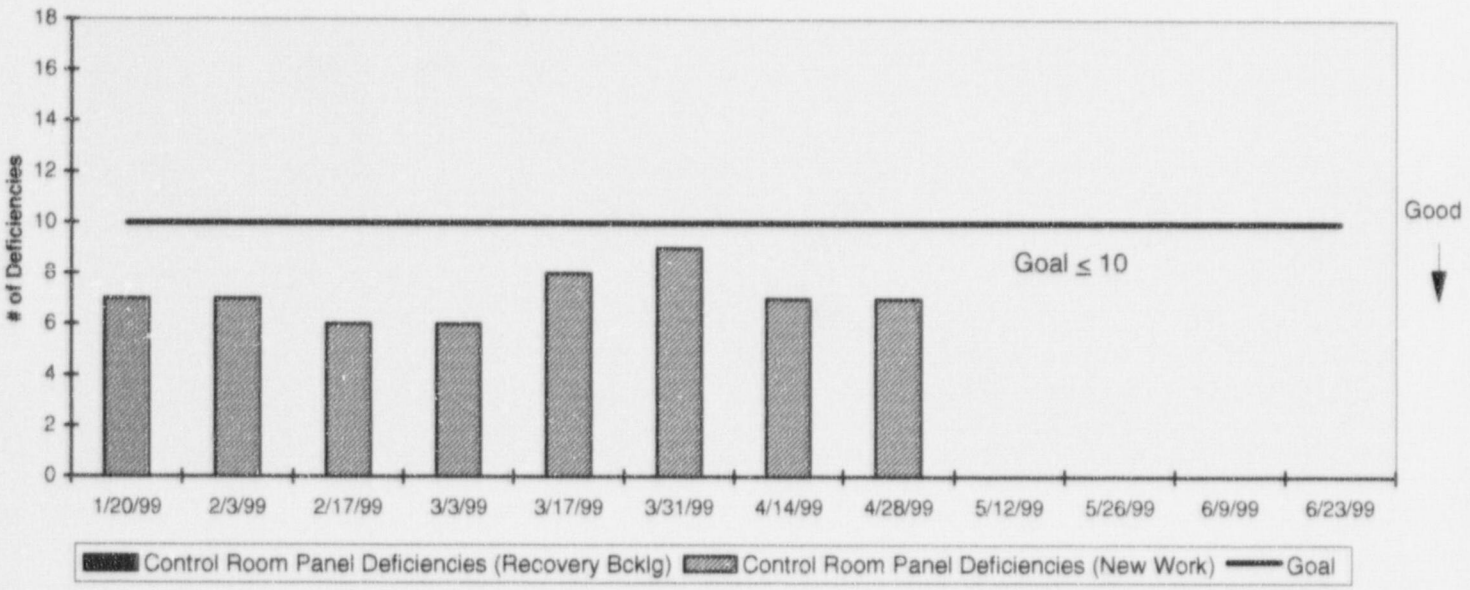
Goal

The goal is to have ≤ 10 OWAs.

Comments

Backlog Management
Control Room Panel Deficiencies
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/20/99	2/3/99	2/17/99	3/3/99	3/17/99	3/31/99	4/14/99	4/28/99	5/12/99	5/26/99	6/9/99	6/23/99
Control Room Panel Deficiencies (Recovery Bcklg)	0	0	0	0	0	0	0	0	0	0	0	0
Control Room Panel Deficiencies (New Work)	7	7	6	6	8	9	7	7	0	0	0	0

Definition

This indicator depicts the number of Control Room Panel Deficiencies (CRPs). These are broken down into two categories, deferred and new.

CRPs are control room instruments, recorders, indicators, and annunciators that function improperly and could challenge the ability of operators to monitor and control plant conditions.

Analysis/Action

The Control Room Panel Deficiency backlog fluctuates as individual items are added and deleted. The total number reported does not represent a fixed population.

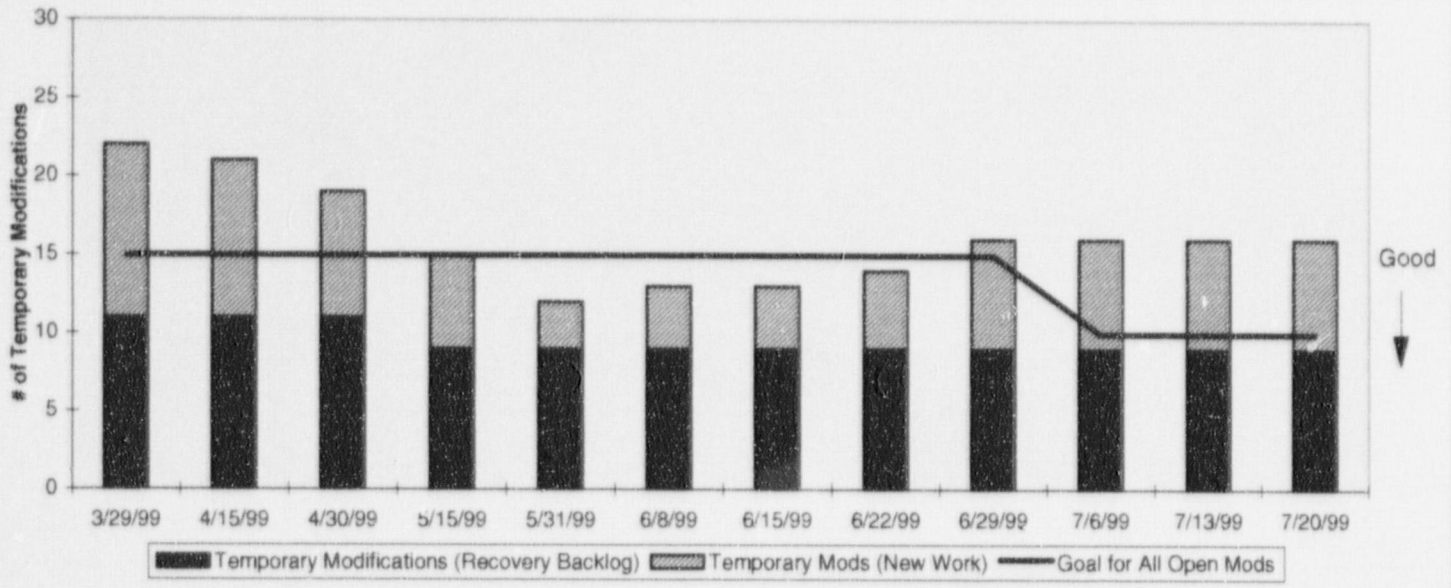
Goal

The goal is to have ≤10 CRP deficiencies open.

Comments

Backlog Management
Temporary Modifications
Millstone 3

Progress: ***Performance is unsatisfactory.***



Raw Data

	3/29/99	4/15/99	4/30/99	5/15/99	5/31/99	6/8/99	6/15/99	6/22/99	6/29/99	7/6/99	7/13/99	7/20/99
Temporary Modifications (Recovery Backlog)	11	11	11	9	9	9	9	9	9	9	9	9
Temporary Mods (New Work)	11	10	8	6	3	4	4	5	7	7	7	7

Definition

This indicator depicts the total number of Temporary Modifications (TMs) to permanent plant design. These are broken down into two categories, Recovery Backlog and New Work. Recovery Backlog TMs are those that were in place when MP3 went back on line in July 1998. New TMs refers to those that have been installed since July 1998.

A TM is a modification to the plant that is short-term in nature and not part of the permanent plant design change process.

Analysis/Action

There are 9 TMs remaining from the original TM backlog list. Eight of these TMs are scheduled for removal by the end of 1999.

The goal for total TMs is ≤ 10. There are 16 total TMs presently installed 9 of which are designated as backlog.

The workoff rate for TMs should allow MP3 to meet the total goal of ≤ 10 by October 15, 1999. Fourteen TMs are, or will be, scheduled to be removed in Cycle 7 (all prior to the end of 1999) and two in RFO7. Of the two scheduled to be removed in RF07, one is a backlog TM.

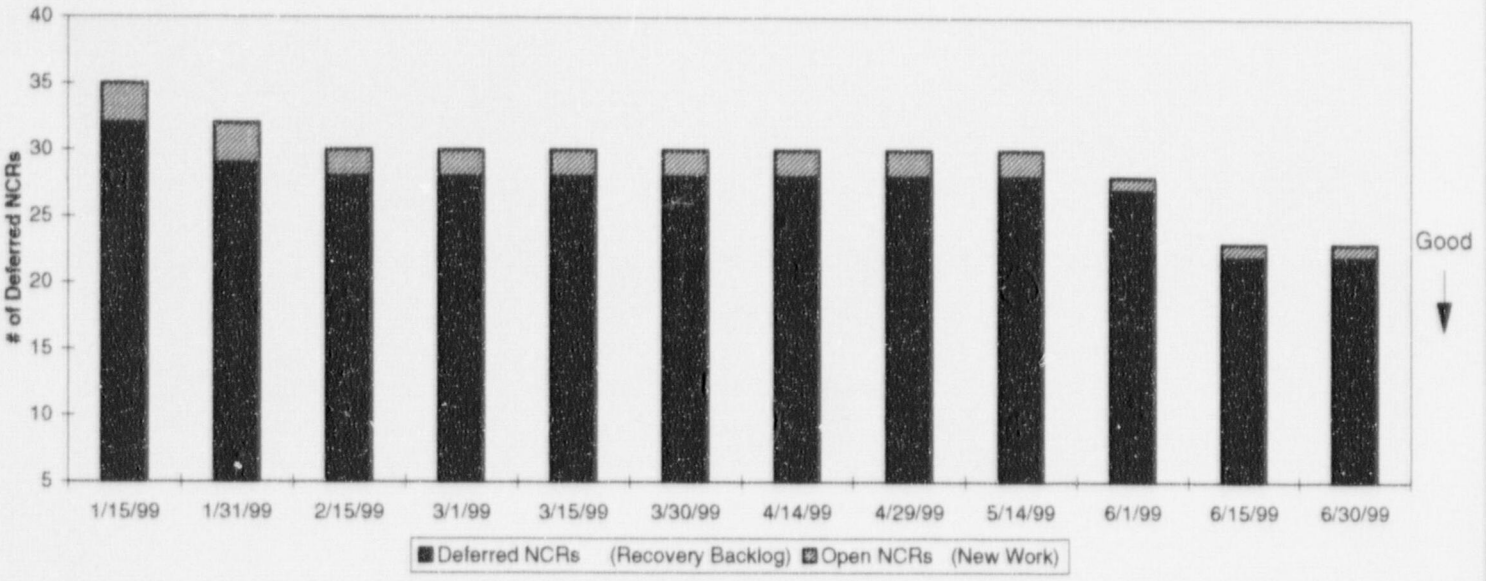
Goal

The goal is to have ≤10 temporary modifications by October 15, 1999.

Comments

Backlog Management
NCRs
Millstone 3

Progress: ***Performance is satisfactory.***



Raw Data

	1/15/99	1/31/99	2/15/99	3/1/99	3/15/99	3/30/99	4/14/99	4/29/99	5/14/99	6/1/99	6/15/99	6/30/99
Deferred NCRs (Recovery Backlog)	32	29	28	28	28	28	28	28	28	27	22	22
Open NCRs (New Work)	3	3	2	2	2	2	2	2	2	1	1	1
Overdue NCR Assignments	0	0	0	0	0	0	0	0	0	0	0	0

Definition

This indicator depicts the number of open dispositioned Nonconformance Reports (NCRs) that have been determined by Engineering to be deferrable as well as new NCRs.

Overdue NCR Assignments: number of NCR tracking assignments past their completion due date.

Analysis/Action

Current NCR assignment action owners are:

Owner	# of NCRs
Manager Design Engineering (3MGRDESENG)	4
Manager I&C and Elect. Maint. (3MGRICE)	2
Manager Mechanical (3MGRMECH)	3
Manager Operations (3MGROPS)	1
Outage Manager (3MGROUTAGE)	2
Manager of Planning (3MGRPLAN)	11

A review of open NCRs following RFO 06 identified 7 of the 23 NCRs which can be redispositioned to "USE AS IS" because the current dispositions no longer reflect actual work required. These NCRs will be superceded by new Condition Report Engineering Dispositions (CRED).

Of the remaining 16 NCRs, 3 will be worked RFO 07, 12 will be worked ONLINE, and 1 requires additional engineering work.

Goal

The NCR backlog will be dispositioned by 6/30/02, and no NCR assignments will be overdue.

Comments

On 9/15/98 Revision 7 of RP4 (Corrective Action Program) enveloped the NCR process so that no new NCR will be generated on field conditions as they will be handled under the CR Process.