



Operated by Nuclear Management Company, LLC

NRC 2003-0065

July 18, 2003

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555

DOCKETS 50-266 AND 50-310 POINT BEACH NUCLEAR PLANTS, UNITS 1 AND 2 PBNP EXCELLENCE PLAN

The purpose of this letter is to transmit selected elements of the Point Beach Nuclear Plant (PBNP) Excellence Plan. During a meeting conducted between the Nuclear Regulatory Commission (NRC) and Nuclear Management Company, LLC (NMC) on June 24, 2003, we provided the NRC a summary overview of the PBNP Excellence Plan. The purpose of our Excellence Plan is to provide a roadmap for successful performance improvement at PBNP. The Excellence Plan focuses the PBNP organization, site programs, and initiatives on our goal of excellent performance.

The PBNP Excellence Plan is broad-based and includes action plans that address both improvement initiatives and business initiatives. Action plans contained in the PBNP Excellence Plan possess the following attributes: 1) A problem statement which defines the problem or problems to be resolved; 2) a causal factor which provides a synopsis of what is causing the problem; 3) objectives which define outcomes and desired results, and 4) executable action steps intended to accomplish the stated objective(s).

The objective statements in each of the action plans are forward looking and define the results that are expected from the successful execution of the action plans. We will measure our progress against the action plan objectives. We will execute the Excellence Plan to accomplish the objectives in each action plan. Our PBNP leadership team is committed to achieving our Excellence Plan objectives. Our Excellence Plan is a "living plan" and we expect to continue to develop and revise action plans as necessary to achieve our stated objectives.

We have identified 36 Excellence Plan action plans having stated objectives, which: 1) Directly address regulatory compliance; 2) address a performance deficiency in an area covered by regulation or commitment, or 3) directly address performance in a cornerstone or cross-cutting issue in the Reactor Oversight Process. We have provided a copy of these 36 action plans in Attachment 1.

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The PBNP Excellence Plan also includes action plans that are related to management issues, communication issues, and organizational issues such as work management and training. It also contains action plans that address financial issues and business planning issues. These action plans are available at PBNP for NRC review.

Each of our action plans identifies employees who are accountable for management oversight of the plan; overall plan execution, and completion of individual action steps. We have removed the employee names from the action plans provided in Attachment 1 to protect the personal privacy of the individuals.

This letter contains no new regulatory commitments.

Please contact us should you have any questions or require additional information regarding this transmittal.

RDS/kmd

Attachment

cc: Regional Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, NRR, USNRC

NRC Resident Inspector - Point Beach Nuclear Plant

ATTACHMENT 1

NUCLEAR MANAGEMENT COMPANY, LLC POINT BEACH NUCLEAR PLANT DOCKETS 50-266 AND 50-301

July 18, 2003

PBNP EXCELLENCE PLAN

NRC 2003-0065 July 18, 2003

bcc: G. P. Arent

K. M. Duescher (2) M. E. Holzmann

File

A. J. Cayia D. P. Fadel

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L. A. Schofield (OSRC)
E. J. Weinkam III

INDEX OF ATTACHED ACTION PLANS

1.	OR-01-001	Improve Human Performance and Work Practices
2.	OR-02-001	Nuclear Oversight Effectiveness
3.	OR-08-003	Reduce the OE Backlog
4.	OR-08-005	Improve Human Performance (HU) in Engineering
5.	OP-09-001	Improve EP Infrastructure (Processes, Programs and Technology)
6.	OP-09-002	Improve Process for Conducting Drills and Exercises
7.	OP-09-003	Revise Emergency Plan Implementing Procedures
8.	OP-10-001	Improve CAP Action Request Screening and Prioritization, Operability
		Determination, and Problem Reporting
9.	OP-10-002	CAP Activity Completion Prior to Due Date and Backlog Minimization
10.	OP-10-003	Effective CAP Monitoring
11.	OP-10-004	CAP Resolutions Effectively Address Problems
12.	OP-10-005	CAP Trending
13.	OP-10-006	Effective Root Cause Evaluations
14.	OP-10-007	CAP Action Request (AR) Feedback
	OP-10-008	CAP Effectiveness Reviews
	OP-10-009	CAP Assignments are Based on Knowledge and Skills
	OP-10-010	Operating Experience (OE) Improvement Plan
	OP-10-011	Improve Effectiveness of Self Assessments
	OP-12-001	Improve Quality of Technical Procedures
	OP-13-009	Time Validation of Service Water Manual Actions
_	OP-14-001	Improve the Configuration Management Program
	OP-14-003	Validate Design Bases for High Risk Systems
	OP-14-005	Validate and Integrate Calculations and Setpoints
	OP-14-007	Update Vendor Technical Information Program (VTIP)
	OP-14-008	AFW Design Basis Validation Project
	EQ-15-001	AFW Appendix R Firewall Project
	EQ-15-003	Replacement of Plant Perimeter Project
	EQ-15-006	High Energy Line Break Project
	EQ-15-011	Bolted Fault
	EQ-15-012	Manhole and Cable Vault Flooding
	EQ-15-014	Auxiliary Feedwater Orifice Replacement
	EQ-15-015	Auxiliary Feedwater Electrical Modifications
33.	EQ-15-016	Determine Condition of Underground Electrical Cables That Have Been
		Submerged
34.	EQ-16-006	Identify Program Owner and Upgrade Flow-Accelerated Corrosion (FAC),
_		Service Water (SW) (GL 89-13) Program
	EQ-16-008	Upgrade Fire Penetration Seal Documentation
36.	EQ-16-013	Environmental Qualification (EQ) Program Upgrade

Pillar of Excellence:

OR

Priority

1 1A 1A

CAP # 031915

Focus Area:

Human Performance

Action Plan Title:

Improve Human Performance and Work Practices

Action Plan Number:

OR-01-001

Resp Group:

Assessment

statement.

Focus Area Owner:

Problem Statement:

Management has not been fully effective at improving human performance.

Causal Factors:

- No well defined or documented program exists.
- 2 Lack of line ownership and support of human performance improvements.
- 3 Human performance tools have not been consistently provided or utilized.

Objectives:

- 1 Develop and implement a documented human performance program that includes a communications strategy.
- 2 Develop and implement a Human Performance Working Team to champion human performance improvements.
- 3 Provide tools for improving human performance.
- 4 Track and trend job observations.
- 5 Clearly defined expectations and reinforcements for behaviors at all levels in the organization.
- 6 A management structure that provides sufficient oversight and sponsorship of human performance.
- 7 Procedure guidance that assists in the identification and prevention of error-likely situations.
- 8 High quality effectiveness reviews of human performance.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.1	Develop and communicate a human performance vision, strategy, and values	<u> </u>	Assessment	2Q03		3Q03	Issued statement

tTrack IDs CA030222

Resource	# Persons	Hrs Per Person	Comments
300270 3009	10	5	
300380 3005	1	30	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OR-01-001.2	Establish a Human Performance Working Group (HPWG) sponsored by the Plant Manager.		Assessment	1Q03	3Q03	Documented HPWG charter and membership.

tTrack IDs CA030226

Resource	# Persons	Hrs Per Pers	on Comments
300010 3005	1	80	20 hr/quarter
300020 3005	1	80	20 hr/quarter
300030 3005	1	80	20 hr/quarter
300130 3004	1	80	20 hr/quarter
300140 3005	1	80	20 hr/quarter
300150 3005	1	80	20 hr/quarter
300270 3009	10	1	
300380 3009	1	5	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.3	Implement the PACE program to track and trend the group and leadership job observations (also see CA028603).		Assessment		08-Jul-03	2Q03	See Action Plan OP-10-011.3 and its substeps for completion of this item. This item is being accomplished via the noted Action Plan OP-10-011 and this item is considered closed to avoid duplication.

tTrack IDs

	source : # Persons	
No	urnee againmed	

Number Action Step

OR-01-001.4 Analyze and report site and department clock resets, leadership job observations and other data to determine actionable items.

Owner Group Assessment

Start Date Comp Date

Due Date

Deliverable

4Q03 Results documented in a report.

tTrack IDs CA030228

Action Step

Owner

Resource	#Persons	Hrs Per Person	Comments
300380 3005	1	30	

2Q03

Revision 1

Number	Action Step	Action Owr	•	roup Star	t Date Comp Date	Due Date	Delivera
OR-01-001.5	Revise NP 13.1.1 to require "paired" observations.		Assessi	nent 2	203	4Q03	Issued NP 13.3.1.
		tTrack IDs CA03022	9				
		Resource	# Persons	Hrs Per Pers	on (Comments	
		300270 3009	15	24	2 hours per month	per person	
		300380 3005		5			

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.6	Establish a procedural requirement for selected departments to conduct human performance mini-stand-downs (approximately 30 minutes) periodically using materials provided by the human performance working group.		Assessment	4Q03		4Q03	Procedurally documented requirement. Action Plan Step OR-01-001.14 accomplishes this action.

tTrack IDs CA030230

Resource	# Persons	Hrs Per Person	Comments
300380 3005	0	0	

Number	Action St o p	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.7	Selected departments to assign department- level human performance liaisons.		Assessment	2Q03		3Q03	Documented assignments of Human Performance liaisons.

tTrack IDs CA030231

Resource	# Persons	Hrs Per Person	Comments
300010 3005	1	80	20 hr/quarter
300020 3005	1	80	20 hr/quarter
300030 3005	1	80	20 hr/quarter
300130 3004	1	80	20 hr/quarter
300140 3005	1	80	20 hr/quarter
300150 3005	1	80	20 hr/quarter
300160 3004	1	80	20 hr/quarter
300170 3004	1	80	20 hr/quarter
300210 3004	1	80	20 hr/quarter
300270 3009	15	1	

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Revision 1

Number	Action Step	Action Ste	ep Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.8	Direct supervisors and managers and promote the use of "peer to p during job observations.		Assessment	2Q03		4Q03	Revised job observation checklis
		tTrack IDs CA030234					
		Resource	#Persons Hi	s Per Person		Comments	
		300270 3009	15	104 2	hr/week		
		300380 3005	1	20			
Number	Action Step	Action Ste Owner		Start Date	Comp Date	Due Date	Deliverable
OR-01-001.9	Assign a chairperson for each des department's respective human p improvement team and ensure the meets regularly to carry out its res	erformance at the team	Assessment	1Q03	12-May-03	2Q03	List of HPIT assignments
		Resource 🛴 🕏	#Persons : Hr	s Per Person		Comments	
		Resource		s Per Person		Comments	
Number	Action Step		ep Owner Group	<u>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>	Comp Date	Comments Due Date	Deliverable
Number OR-01-001.10	Action Step Equip the department HPITs with diagnose recurring human perform problems and make recommenda	No resources assigned. Action Ste Owner a method to	ep Owner Group	<u>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</u>	Comp Date		Deliverable Documented methodology.
	Equip the department HPITs with diagnose recurring human perform	No resources assigned. Action Ste Owner a method to	ep Owner Group	Start Date	Comp Date	Due Date	
	Equip the department HPITs with diagnose recurring human perform	No resources assigned. Action Ste Owner a method to nance tions.	ep Owner Group Assessment	Start Date	Comp Date	Due Date	

Resource	# Persons	. Hrs Per Pers	on Comments
300010 3005	1	80	20 hr/quarter
300030 3005	1	80	20 hr/quarter
300130 3004	1	80	20 hr/quarter
300140 3005	1	80	20 hr/quarter
300150 3005	1	80	20 hr/quarter
300170 3004	1	80	20 hr/quarter
300210 3004	1	80	20 hr/quarter

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.11	Revise NP 1.6.10 to improve identification of critical steps, error-likely situations at each critical step, and possible consequences of active errors at each critical step as well as defenses or contingencies for each critical step. Clarify the difference between task assignment and a pre-job brief.		Business Procedures	2Q03		3Q03	Revised NP 1.6.10 which addresses error-likely situations
	tTrack IDs	CA028864					
	and the second s		Persons Hrs P	er Person		Comments	
•		0 3005	1	20			

Number	Action Step	Action Step Owner	Owner Group	Start Date (Comp Date	Due Date	Deliverable
OR-01-001.12	Brief First line supervisors on revised NP 1.6.10.		Assessment	2Q03		3Q03	Documented briefing

tTrack IDs CA030238

Resource	#Persons	Hrs Per Person	Comments
300010 3005	3	1	
300020 3005	20	1	
300030 3005	5	1	
300050 3005	10	1	
300130 3004	30	1	
300140 3005	5	1	
300150 3005	5	1	
300160 3004	5	1	
300170 3004	5	1	
300210 3004	10	1	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OR-01-001.13	Conduct an effectiveness review of improvements to date.		Assessment	3Q03	1Q04	Completed effectiveness review

tTrack IDs EFR030243

Resource	# Persons - 4	Hrs Per Person	Comments
300380 3005	3	20	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.14	Develop a Human Performance Prog Procedure that contains the details o Human Performance Program.	ram f PBNP's	Assessment	2Q03		4Q03	Issued Human Performance Program Procedure
		tTrack IDs CA030244					
		Resource :	# Persons Hrs	Per Person		Comments	****
		300270 3009	10	2			2 18. 18. 18. 18. 18. 18. 18. 18. 18. 18.
		300380 3005	1	80			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.15	Implement a site wide plan to commo human performance initiatives	inicate our	Assessment	3Q03		3Q03	Documented plan
		tTrack IDs CA030246					
		Resource	# Persons / Hrs	Per Person		Comments	
		300380 3005	1	240 20	hr/mo	7, * * * * * * * * * * * * * * * * * * *	
		300390 3005	1	60 5 h	r/mo		
Number	Action Step	Action Step Owner		Start Date	Comp Date	Due Date	Deliverable
OR-01-001.16	Implement a standard method of publicssons learned from both site and de		Assessment	3Q03		4Q03	Documented standard format
		•					
	human performance clock resets.	tTrack IDs CA030247					
			# Persons Hrs	Per Person		Comments	
			# Persons	Per Person			
Number		Resource	1	40	Comp Date		Deliverable
	human performance clock resets.	Resource 300380 3005 Action Ster	1	40	Comp Date		
	Action Step Evaluate the human performance "Congress of the Comp" for use at PBNP (First Line Step	Resource 300380 3005 Action Ster	1 Owner Group	40 Start Date	Comp Date	Due Date	Deliverable
Number OR-01-001.17	Action Step Evaluate the human performance "Congress of the Comp" for use at PBNP (First Line Step	Resource 300380 3005 Action Step Owner Dach's upervisors tTrack IDs CA030248	1 Owner Group Assessment	40 Start Date	Comp Date	Due Date	Deliverable Minutes from FLS, CRC meetings

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001.18	Incorporate human performance of tools in the Safety Simulator for the		Assessment	3Q03		4Q03	Documented error reduction too used in Safety Simulator.
		tTrack IDs CA030250					
			Persons Hrs Po	A San Yan San San As A		Comments	
		300340 3005	4	40	·		
		300380 3005	1	40			
Number	Action Step	Action StepOwner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
R-01-001.19	Provide training to instructional st performance fundamentals and he incorporate them into training mat	ow to erials.	Training	4Q02	20-Feb-03	1Q03	Training attendance records.
		tTrack IDs RFT026704					·
		Resource #	Persons Hrs P	er Person		Comments	
		300130 3006	2	16			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
PR-01-001.20	Conduct an assessment of Work Walk downs.	Package	Maintenance I&C	2Q03	17-Jul-03	3Q03	Assessment report
		tTrack IDs CA030251					
		Resource #	Persons Hrs P	er Person		Comments	
		\$50,000 CO 1 \$ 10 CO 100 CO 10					
		300050 3005	3	4			
Number	Action Step	Action Step	3 Cwner Group	de la company	Comp Date	Due Date	Deliverable
	Action Step Ensure the Work Package Walk of (PBF-9175) meets the requirement 1.1.7.	Action Step Owner		4	Comp Date 17-Jul-03		Deliverable Assessment report documents whether form meets procedure requirements.
Number PR-01-001.21	Ensure the Work Package Walk of (PBF-9175) meets the requirement	Action Step Owner	Owner Group	4 Start Date		Due Date	Assessment report documents whether form meets procedure
	Ensure the Work Package Walk of (PBF-9175) meets the requirement	Action Step Owner lown form hits of NP tTrack IDs CA030252	Owner Group Maintenance I&C	4 Start Date		Due Date	Assessment report documents whether form meets procedure requirements.

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-01-001,22	Conduct an effectiveness review of station human performance,		Assessment	3Q04		3Q04	Documented effectiveness review.

tTrack IDs EFR030254

Resource	#Persons	Hiskeli Person	Comments :
300380 3005	4	30	

Pillar of Excellence:

OR

Priority

1 3C 3A

CAP # 033241

Focus Area:

Oversight & Assessment

Action Plan Title:

Nuclear Oversight Effectiveness

Action Plan Number:

OR-02-001

Resp Group:

Nuclear

Oversight (PB)

Focus Area Owner:

Problem Statement:

NOS has not been fully effective at issue identification and management response to issues.

Causal Factors:

- 1 Staffing Issues, including insufficient training and development opportunities, inadequate resources, and insufficent technical expertise.
- 2 NOS was not fully effective in identifying problems.
- 3 NOS was not fully effective in obtaining adequate management response to NOS identified issues.

Objectives:

- 1 Improve NOS staffing effectiveness by implementing a rotation policy, assigning assessors to maintain functional area cognizance, and implementing the personnel qualification matrix tool.
- 2 Issue a procedure that implements the intrusiveness methodology.
- 3 Implement a process for statusing and reporting NOS significant QA findings.
- 4 Implement the process for integrated assessment of performance.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.1	Plan and conduct a critical Self Assessment of the NOS Organization.		Nuclear Oversight	2Q03	20-Jun-03	2Q03	Self-assessment report.

tTrack IDs CA030260

Resource	# Persons	Hrs Per Person	Comments
642LCLER	1	40	
642LCLER	1	40	
CONTPRO	2	80	
100000 1000	3	80	
300010 3008	1	40	
300140 3005	1	40	
300140 3005	1	40	
300330 3005	1	40	

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Number	Action Step	Action Sta	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.1.A	Analyze the self-assessment results, create action plan steps, and revise Excellence Plar Revision 0 action plan steps as necessary to address the causes of NOS performance weaknesses identified in the self assessment		Nuclear Oversight	2Q03	23-Jun-03	2Q03	Revision 1 of this Action Plan (OR 02-001) submitted.
	tTrack	IDs CA030261				•	
		Resource	#Persons Hr	Per Person		Comments	
		00140 3005	1	40	2.71.11.11.11.11.11.11.11.11.11.11.11.11.	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	The state of the s
	3	00140 3005	1	40			
	3	00330 3005	1	40			
Number	Action Step	Action Sta	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2	Develop a Qualification needs matrix that identifies the skill set needed to conduct effective assessments.		Nuclear Oversight (PB	3Q03		1Q04	A qualification matrix listing the appropriate skill set necessary to be an effective NOS organization.
	tTrack	(IDs CA030263					
		Resource	#Persons Hr	Per Person 🗀		Comments	
	3	00140 3005	1	40			and the second of the second o
Number	Action Step	Action Ste	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
2R-02-001 2 A	Lice the Performance Assessment model		Nuclear			4004	A qualification needs list for the

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2.A	Use the Performance Assessment model developed by NMC to identify each assessor's developmental needs.		Nuclear Oversight (PB)	2Q03		1Q04	A qualification needs list for the assessors.

tTrack IDs CA030264

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Resource	# Persons	Hrs Per Person	Comments
300140 3005	1	40	
300330 3007	8	2	

Revision 1

Number	Action Stop	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2.A.1	Assign functional area cogniza the Performance Assessment I		Nuclear Oversight (PB)	3Q03		1Q04	List of individuals assigned functional area cognizance.
		tTrack IDs CA031640					
		Resource #	Persons / Hrs P	er Person		Comments	
		300140 3005	1	80	in Applied March 1984 Child	9 50 ° ° ₂ 3a.	AMAZ CARTO MATA NEMBERO E ROME DE PROPE
		300140 3005	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2.B	Implement a plan to achieve th developmental needs as identif Performance Assessment mod area cognizance.	fied in the	Nuclear Oversight (PB)	3Q03		3Q04	Plan approved. Scheduled action through current date, complete.
		tTrack IDs CA030267					•
		Resource #	Persons Hrs P	er Person		Comments.	
		300140 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2.C	Implement a rotational plan and endorsed by the Site Vice Pres	d have it sident.	Nuclear Oversight	2Q03		1Q04	Rotational plan endorsed by the Site Vice President.
		tTrack IDs CA028109					
		Resource #	Persons Hrs P	er Person	•	Comments	
		300140 3005	1	80	\$\$, \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.2.D	Retain the appropriate skill set Operations, Engineering and S functions, and those areas ider qualification needs matrix that the current assessors.	support ntified in the	Nuclear Oversight		09-Jul-03	4Q05	This step is closed by incorporati into Action Steps OR-02-001.2.B and OR-02-001.2.C.
		tTrack IDs CA030269	Persons	er Person		Comments	
		Nesoure .		4.4			

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.3	Implement a communication plan the periodic meetings between line man- and NOS leadership.	at includes agement	Nuclear Oversight	1Q03		4Q03	Approved communications plan.
		tTrack IDs CA030270					
			A. A	Per Person		Comments	
		300140 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DR-02-001.4	Implement an intrusive methodology issue significance.	to identify	Nuclear Oversight (PB)	3Q03		2Q04	Approved procedure and assess briefing sheets.
	•	tTrack IDs CA030271					•
		Resource	Persons Hrs	Per Person		Comments	
		300140 3005	1	20			
		300330 3007	8	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DR-02-001.4.A	Implement a standard format for act requests based on fleet procedure F 08.		Nuclear Oversight (PB)	3Q03		4Q03	Defined standard format.
		tTrack IDs CA031962					
		Particular and the control of the co	A Maringon Committee and the Committee of the Committee o	Per Person		Comments	
		300140 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.5	Evaluate relocation of NOS assesso the protected area of the plant or the gatehouse.		Nuclear Oversight	3Q03		4Q04	Documented decision on the relocation of assessors.
		tTrack iDs CA030272					
		#271*******	Persons Hrs	Per Person		Comments	
		655LCUST	5	40	Acceptant Control		

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.6	Execute the Integrated Assessment of Performance, carry out the actions as detailed in Change Management Plan 2003-08.		Nuclear Oversight	1Q03		3Q04	An integrated presentation of plant performance.

tTrack IDs CA030273

Resource	# Persons	Hrs Per Person	Comments
300140 3005	2	20	
300140 3005	1	. 40	
300330 3007	2	40	
300330 3007	8	8	
300380 3009	1	40	

Number	Action Step	Action St e p Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.7	Develop a formal process for monitoring/reporting the status of open Significant QA Findings. (CA028648)		Nuclear Oversight (PB)	1Q03		4Q03	Approved guideline or procedure.

tTrack IDs CA030274

Resource	'# Persons	Hrs Per Person	Comments
642LCLER	2	20	
300140 3005	1	40	
300330 3007	1	80	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.7.A	Establish a process for the NOS Manager or NOS Supervisor to discuss the status of NOS Significant QA Findings with plant management.		Nuclear Oversight (PB)	2Q03		4Q03	Documented process.

tTrack IDs CA030275

Resource	# Persons	Hrs Per Person	Comments
300140 3005	1	10	

Effective Date: 7-11-03

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	Own	ner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
station management on the newly devel	oped		Nuclear Oversight (PB)	3Q03		1Q04	Briefing documentation.
វា	Track IDs CA03027	7					
	Resource	#1	Persons Hrs	Per Person		Comments	
	300140 3005		1	8			
•	300330 3007		8	2			
Action Step			Owner Group	Start Date	Comp Date	Due Date	Deliverable
significant QA findings.			Nuclear Oversight (PB)	3Q03		1Q04	Issue an NOS Significant QA finding status report.
វា	Frack IDs CA03027	8					,
	Resource	#1	Persons : Hrs	Per Person		Comments	
	300140 3005	<u></u>	1	8		300 300	
	300140 3005		1	8			
Action Step			Owner Group	Start Date	Comp Date	Due Date	Deliverable
Conduct the first NOS Significant QA Firstatus meeting.			Nuclear Oversight	3Q03	09-Jul-03	1004	This action is closed by incorporation into Action Step OF 02-001.7.C (CA030278).
វា	Track IDs CA03028	0					
	Action Step Action Step Action Step Conduct the first NOS Significant QA Firstatus meeting.	Action Step Action Step Action Mossignificant QA findings. Action Step Action Step	station management on the newly developed process for reporting NOS Significant QA Findings status. Itrack IDs CA030277 Resource #1 300140 3005 300330 3007 Action Step Owner Implement the process for reporting NOS significant QA findings. Itrack IDs CA030278 Resource #1 300140 3005 300140 3005 300140 3005 Action Step Owner Conduct the first NOS Significant QA Findings	Action Step Implement the process for reporting NOS significant QA Findings status. Action Step Implement the process for reporting NOS significant QA findings. Action Step Action Step Implement the process for reporting NOS significant QA findings. Action Step Action Step Action Step Owner Resource Persons Hrs Owner Group Oversight (PB) Action Step Oversight (PB) Action Step Oversight Step Owner Oversight Step Owner Group Action Step Owner Group Owner Action Step Owner Group Owner Group Owner Action Step Owner Group Owner Owner Group Owner Group Owner Owner Group Owner Group Owner Owner Group Owner Group Owner Group Owner Group Owner Group	Action Step Action Step Track IDs CA030278 Resource	Action Step Action Step Implement the process for reporting NOS Significant QA Findings status. Itrack IDs CA030277 Resource # Persons Hris Per Person 300140 3005 1 8 300330 3007 8 2 Action Step Action Step Owner Group Start Date Comp Date Implement the process for reporting NOS Significant QA findings Itrack IDs CA030278 Resource # Persons Hris Per Person 300140 3005 1 8 300140 3005 1 8 300140 3005 1 8 300140 3005 1 8 300140 3005 1 8 Action Step Action Step Owner Group Start Date Comp Date Action Step Action Step Owner Group Start Date Comp Date Conduct the first NOS Significant QA Findings Nuclear Conduct the first NOS Significant QA Findings Nuclear Conduct the first NOS Significant QA Findings Nuclear Oversight 3Q03 09-Jul-03 Over	station management on the newty developed process for reporting NOS Significant QA Findings status. It rack IDs CA030277 Resource #Persons Hrs Per Person Comments 300140 3005 1 8 2 Action Step Action Step Owner Group Start Date Comp Date Due Date Implement the process for reporting NOS significant QA findings. It rack IDs CA030278 Resource #Persons Hrs Per Person Date Due Date Owner When Date Comp Date Due Date Track IDs CA030278 Resource #Persons Hrs Per Person Comments 300140 3005 1 8 Action Step Action Step Owner Group Start Date Comp Date Due Date Owner Person Date Due Date Conduct the first NOS Significant QA Findings Nuclear Oversight Oversight 3Q03 09-Jul-03 1Q04 status meeting.

Résource # Persons Hrs Per Person	Comments
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No resources assigned.

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Revision 1

Number	Action Step	Action Owr	•	Owner Gro	up Sta	rt Date	Comp Date	Due Date	Deliverable
OR-02-001.7.E	Perform an effectiveness review.			Nuclear Oversigh		3Q04		4Q04	Effectiveness review report.
		tTrack IDs EFR0302	81						
		Resource		Persons	Hrs Per Per			Comments	
		642LCLER	We Charles	1	40				7 - 1 - 1 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1
		CONTPRO		2	40				
		100000 1000		3	80				
		300140 3005		1	40				
		300140 3007		1	40				
		300330 3005		1	48				
		300330 3007		2	48				
	determine the effectiveness of the co individual actions. Revise the actio based on the results of the assessment	n plan ent.							
		tTrack IDs EFR0302	83						
		Resource No resources assign			Hrs Per Pen	son		Comments	
Number	Action Step	Action Owr		Owner Gro	up Sta	rt Date	Comp Date	Due Date	Deliverable
PR-02-001.8.A	Perform Final Effectiveness Assessr an approved assessment process to that the implemented actions have in NOS effectiveness.	establish		Nuclear Oversight	1	3Q05	09-Jul-03	3Q05	This step is closed by incorporati into Action Step OR-02-001.7.E.
		tTrack IDs EFR0302	85						
		Resource	#F		irs Per Pen	son 💮	ngesta de la companya	Comments	
		No resources assign	-	Carlotte and Table 20	easy the attrice	CALCAL STATE	<u> </u>	**************************************	<u> </u>

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-02-001.9	Perform benchmarking for ideas to improve NOS effectiveness.		Nuclear Oversight	3Q03		4Q03	Documentation of benchmarking results.

tTrack IDs CA030287

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Resource	F Persons	Hrs Per Person	Comments
300140 3005	1	80	

Pillar of Excellence:

OR

Priority

2 3C 3B

CAP # 033266

Focus Area:

Engineering Organizational Effectiveness

Action Plan Title:

Reduce the OE backlog

Action Plan Number:

OR-08-003

Resp Group:

Engineering Processes

Focus Area Owner:

Problem Statement:

Engineering has a large number of OE items that have been open longer than the expected evaluation time of 60 days.

Causal Factors:

1 Lack of reinforcement of timely evaluation of OE items.

2 Organization does not view timely review of OE as a valuable tool in improving performance.

Objectives:

1 Engineering OE inventory meets expectations and procedural requirements.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-003.1	Establish population of OE Evaluation and Action items for backlog reduction population.		Engineering Processes		11-May-03	2Q03	Spreadsheet with OE backlog items. Complete.
	tTrack IDs	CA030381					
	Res	ource #F	Persons Hrs P	er Person		Comments	CONTRACTOR OF SERVICE SERVICES OF SERVICES AND
	No resou	rces assigned.					
Number	Action Step	Action Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable

Number	Action Step	Action StepOwner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OR-08-003.2	Establish backlog reduction approach for OE.		Engineering Processes	12-May-03	2Q03	Documented approach.

tTrack IDs CA030382

Resource # Persons Hrs Per Person Comments	
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No resources assigned.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-003.3	Establish workdown curve and metrics		Engineering Processes	2Q03	12-May-03	2Q03	Spreadsheet with target completion dates.
	tTrack I	Ds CA030390					
		Resource #1	Persons Hrs P	er Person		Comments	
		0180 3009	1	2			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-003.4	Review Site OE Improvement Plan (under development) and adjust this plan accordingly		Engineering Processes	1Q03	13-Jun-03	2Q03	Document review.
	tTrack I	Ds CA030391					
	F	lesource #1	Persons Hrs P	er Person		Comments	
	No res	sources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-003.5	Complete OEs identified in Action #1 in accordance with workdown curve.		Engineering Processes	2Q03		4Q03	Completed OE items.

tTrack IDs CA030392

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Resource	#Persons	Hrs Per Person	Comments
300150 3004	33	1	
300160 3004	40	1	
300170 3004	35	1	
300180 3004	12	1	

Pillar of Excellence:

OR

Priority

1 1A 1A

CAP# 033271

Focus Area:

Engineering Organizational Effectiveness

Action Plan Title:

Improve Human Performance (HU) in Engineering

Action Plan Number:

OR-08-005

Resp Group:

Engineering Processes Continuous Improvement

Focus Area Owner:

Problem Statement:

Engineering Management has not been fully effective in improving human performance.

Causal Factors:

- 1 No well defined or documented program exists.
- 2 Lack of line ownership and support of human performance improvements.
- 3 Human performance tools have not been consistently provided or utilized.

Objectives:

- 1 Establish an Engineering Human Perfromance Improvement Team.
- 2 Establish a process for identifying and evaluating human performance events.
- 3 Provide Engineering personnel with training on human performance topics.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.1	Establish a draft Charter for a Point Beach specific Engineering Human Performance Improvement Team (HPIT).		Engineering Processes Continuous Improvement	2Q03	28-Apr-03	2Q03	Draft Charter contained in ESG 1.8

tTrack IDs CA030402

4.400	Resource	# Persons	Hrs Per Person	Comments
ſ	300180 3005	1	16	

Revision 1

						Revision 7
Action Step			Start Date	Comp Date	Due Date	Deliverable
	ineering	Engineering	2Q03	12-May-03	2Q03	List of HPIT Members
	tTrack IDs CA030403					
	Resource	# Persons Hrs	Per Person		Comments	
	300150 3009	1	1			**************************************
	300160 3009	1	1			
	300170 3009	1	1			
	300180 3009	2	1			
Conduct first meeting of new PBNP Engineering HPIT.		Engineering Processes Continuous Improvement	2Q03	12-May-03	2Q03	HPIT Meeting Minutes
	tTrack IDs CA030404					
	Resource	#PersonsHrs	Per Person /		Comments	
	300180 3005	1	4			
Action Step			Start Date	Comp Date	Due Date	Deliverable
Evaluate Engineering HU events.		Engineering Processes Continuous	······································	26-Jun-03	2Q03	HPIT Meeting Minutes
		Improvement				
•	Identify members of new PBNP Eng HPIT. Action Step Conduct first meeting of new PBNP Engineering HPIT.	Identify members of new PBNP Engineering HPIT. ### Resource 300150 3009	Identify members of new PBNP Engineering HPIT. ItTrack IDs CA030403 Resource # Persons Hrs 300150 3009 1 300160 3009 1 300160 3009 1 300170 3009 2	Identify members of new PBNP Engineering Engineering 2Q03 HPIT. ### Persons His Per Person 300150 3009 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Identify members of new PBNP Engineering Engineering 2Q03 12-May-03	Identify members of new PBNP Engineering Engineering 2003 12-May-03 2003 12-May-03 2003 12-May-03 2003 12-May-03 2003 12-May-03 2003 12-May-03 2003 13-May-03 2003 13-May-03 2003 13-May-03 2003 2003 13-May-03 2003

Resource	#Persons	Hrs Per Person	Comments
300130 3004	1	2	
300150 3004	1	2	
300150 3005	1	2	
300160 3004	1	2	
300170 3004	1	2	
300170 3005	1	2	
300180 3004	1	2	
300180 3005	2	2	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.5	Identify training recommendations for HU topics.		Engineering Processes Continuous Improvement		26-Jun-03	2Q03	HPIT Meeting Minutes

tTrack IDs CA030408

Resource	# Persons	Hrs Per Person	Comments
300130 3004	1	2	
300150 3004	1	2	
300150 3005	1	2	
300160 3004	1	2	
300170 3004	1	2	
300170 3005	1	2	
300180 3004	1	2	
300180 3005	2	2	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.6	Evaluate training recommendations on HU topics.		Engineering			3Q03	TAC meeting minutes

tTrack IDs CA030409

Resource	# Persons	Hrs Per Person	Comments
300180 3009	1	4	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.7	Implement training on HU topics.		Training General	2Q03	20-May-03	2Q03	Approved lesson plan and

tTrack IDs CA030411

No resources assigned.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.8	Establish a process for identifying, evaluating, and communicating Eng. HU events		Engineering Processes Continuous Improvement	2Q03	22-Apr-03	2Q03	Draft communication plan

tTrack IDs CA030412

Resource	to the Color was a state of the construction of the color	Hrs Per Person	[1974年] [13] [14] [14] [14] [14] [14] [14] [15] [15] [15] [15] [15] [15] [15] [15
300180 3005	1	2	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OR-08-005.9	Finalize HPIT Charter and communication plan for HU initiatives		Engineering Processes Continuous Improvement	26-Jun-03	2Q03	Approved Charter and Communication Plan.

tTrack IDs CA030413

Resource	# Persons	Hrs Per Person	Comments
300130 3004	1	2	
300150 3004	1	2	
300150 3005	1	2	
300160 3004	1	2	
300170 3004	1	2	
300170 3005	1	2	
300180 3004	1	2	
300180 3005	2	2	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.10	Implement communication plan for HU initiatives		Engineering Processes Continuous Improvement		26-Jun-03	2Q03	HPIT meeting minutes and copy of June, 2003 Engineering Alignment meeting topics.

tTrack IDs CA030414

Resource	# Persons	Hrs Per Person	Comments.
300180 3005	1	8	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.11	Conduct initial assessment on HU E Reduction tool use.	Error	Engineering Processes Continuous Improvement		24-Jun-03	2Q03	Assessment Results documented.
		tTrack IDs CA030415					
		Resource #1	ersons Hrs F	er Person		Comments	
		No resources assigned.					A Commission of the Commission
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OR-08-005.12	Implement Engineering specific Observation/Coaching Program.		Engineering Processes Continuous Improvement		08-Jul-03	3Q03	Revise ESG 1.7 to include observation program.
		tTrack IDs CA030416					
		Resource #1	Persons Hrs F	er Person		Comments	
		300180 3005	1	16	The second secon	material (1995) At 12:00 Tells	

Pillar of Excellence:

OP

Priority

1 3B 1C

CAP # 033294

Focus Area:

Emergency Preparedness (EP)

Action Plan Title:

Improve EP Infrastructure (Processes, Programs and Technology)

Action Plan Number:

OP-09-001

Resp Group:

Emergency Planning PBNP

Focus Area Owner:

Problem Statement:

The Emergency Preparedness infrastructure was not consistently maintained.

Causal Factors:

- 1 Management oversight was not fully effective.
- 2 Emergency Preparedness staff was inadequately trained in plant processes and procedures.
- 3 The Emergency Preparedness staff did not fully understand roles and responsibilities.
- 4 The corrective action program was not fully/effectively implmented in the Emergency Preparedness group.
- 5 SAMG ownership was inappropriately assigned to EP.
- 6 External and Internal Operating Experience have not been fully utilized.

Objectives:

- 1 Enhanced management oversight of Emergency Preparedness program and training.
- 2 Established processes for enhancing knowledge of Emergency Preparedness staff.
- 3 Defined Emergency Preparedness staff roles and responsibilities.
- 4 Corrective action program in Emergency Preparedness is implemented in accordance with site procedures and standards.
- 5 Structured practices for staffing and training Emergency Response Organization (ERO) positions.
- 6 SAMGs are owned and maintained by Operations.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.1	Implement an Emergency Preparedness Advisory Committee (EPAC) which includes membership of senior site leadership		Radiation Protection		08-Jul-03	3Q03	Approved EPAC charter

tTrack IDs CA030458

Resource # Persons Hrs Per Person Comments
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No resources assigned.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.2	Implement an EP Training Advis (TAC) which includes selected n ERO.	sory Committee	Training	2Q03		3Q03	TAC Members assigned and first meeting minutes documented.
		tTrack IDs CA030459					
		Resource #	Persons Hrs	Per Person		Comments	
		300360 3009	1	10			Si Marinera (1966), i Principi Principi Marinera (Si Marinera), i Marinera (Ministra), i Ma
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.3	Develop and communicate an E mission statement for the site.		Emergency Planning PBNP	2Q03	13-Jun-03	2Q03	Article printed in NMC Today.
	mostal attained to the atte.	tTrack IDs CA030460	riaming r Diti				
		Resource #	Persons Hrs	Per Person		Comments	
		No resources assigned.		3	<u> </u>		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.4	Transition the PBNP ERO to full with NUREG 0654, Table B-1 st	compliance	Emergency Planning PBNP			3Q04	Issued EP 5.0.
		tTrack IDs CA030461	, ,				
		Resource #	Persons Hrs	Per Person		Comments	
		300030 3009	1	20	and series of the series of the series	erike est juster geft været seg ing en er	Menter of the control
		300360 3009	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.5	Implement a structured approact staffing by transitioning to rotation roster teams for key positions.		Site VP & ECP	2Q03	15-Jul-03	3Q03	Memo outlining responsibilities an Rev. 0 rotation schedule.
		tTrack IDs CA030462					
		Resource #	Persons Hrs I	Per Person		Comments	
		300360 3009	1	2	**************************************	* ** ** ******************************	A CONTRACTOR OF THE PROPERTY O

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.6	Identify a new site custodian for SAMGs.		Emergency Planning PBNP	2Q03	11-Jun-03	2Q03	Memo from EP Manager identifying SAMG custodian.
	tTrack	IDs CA030463					
		Resource # F	Persons Hrs F	Per Person		Comments	
	No re	sources assigned.					and the state of t
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.7	Improve station practices for assigning, training and retiring ERO staff positions.	ng	Emergency Planning PBNP	3Q03		4Q03	Procedure defining the practice is approved and issued.
	tTrack	IDs CA030464					
		Resource #F	Persons Hrs P	er Person		Comments	
	30	00360 3005	1	10	Victoria (Victoria)		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.8	Improve implementation of the corrective action program by training the EP staff.		Emergency Planning PBNP		10-Jul-03	3Q03	Training attendance records.
	tTrack	IDs CA030465					
		Resource #F	ersons - Hrs F	Per Person		Comments	
		sources assigned.		San			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.9	Implement effective document control and records retention practices used by the EP group.		Emergency Planning PBNP	2Q03		4Q03	Document turnover records to NIMS.
	tTrack	IDs CA030466					
		Resource / # F	Persons Hrs P	er Person		Comments	
		64LCLER	1	100	, 1997 mente progress, 1997 in 1994 in 19	A CONTRACTOR OF	The state of the s

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Revision 1

Number	Action Step	Action Ster Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.10	Define roles and responsibilities of Eme Preparedness staff members.	ergency	Emergency Planning PBNP	2Q03		4Q03	Approved organizational chart and list of routine callups assigned by person.
	t	Track IDs CA030486					
		Resource	#Persons Hrs P	er Person	Section 1	Comments	
		The Secret Secret Section Section 1		interness in			
		300360 3005	1 1	5			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.11	Implement procedures, guidelines, or jo that formalize the processes for Emerg Preparedness staff members responsib	ency	Emergency Planning PBNP	2Q03		4Q04	Approved procedures, guidelines and/or job aids.
	t	Track IDs CA030487					
		Resource	# Persons Hrs P	er Person		Comments	
		664LCLER	1	200	**************************************		
		664LTECH	1	200			
		300360 3005	1	200			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.12	Implement "cross training" of Emergence Preparedness staff members based on procedures, guidelines and job aids to strengthen Emergency Preparedness s members integrated knowledge of EP.	the	Emergency Planning PBNP	2Q04		2Q05	List of routine callups with a primary and at least one alternate person assigned.
		Track IDs CA030488					
	t	Hack IDS CACCOTO					
	t			er Person 🎏		Comments	
	t		# Persons Hrs P	er Person		Comments	

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverabi o
OP-09-001.13	Implement an effective process for documenting, collecting, assimilating validating EP cornerstone performanindicators.	g, and	Emergency Planning PBNP	2Q03		4Q03	Procedure describing process approved and issued.
		tTrack IDs CA030489				•	
			Persons Hrs I	Per Person		Comments	
		100000 1000	1	20		A STATE OF THE STA	
		300360 3005	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-001.14	Conduct an effectiveness review.	Owner	Emergency Planning PBNP	4Q03	10-Jul-03	4Q04	Effectiveness review report.
		tTrack IDs EFR030491					
		Resource #	Persons Hrs (Per Person		Comments	
		300360 3005	1	80			
		1					
Number	Action Step	Action Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable
	Action Step Conduct an effectiveness review.	Action Step Owner	Owner Group Emergency Planning PBNP	Start Date	Comp Date	Due Date	Deliverable Effectiveness review report.
	· · · · · · · · · · · · · · · · · · ·	•	Emergency		Comp Date		
	· · · · · · · · · · · · · · · · · · ·	Owner tTrack IDs EFR030493	Emergency Planning PBNP		Comp Date		Effectiveness review report.
	· · · · · · · · · · · · · · · · · · ·	Owner tTrack IDs EFR030493	Emergency Planning PBNP	4Q04	Comp Date	4Q04	Effectiveness review report.
	· · · · · · · · · · · · · · · · · · ·	Corner tTrack IDs EFR030493 Resource 300360 3005 Action Step	Emergency Planning PBNP	4Q04 Per Person	Comp Date	4Q04	Effectiveness review report.
OP-09-001.15 Number	Conduct an effectiveness review.	Track IDs EFR030493 Resource # # 300360 3005 Action Step Owner O an	Emergency Planning PBNP Persons Hrs f	4Q04 Per Person		4Q04	Effectiveness review report.
OP-09-001.15 Number	Action Step Review the current requirement to do annual review of SAMGs and adjust	Track IDs EFR030493 Resource # # 300360 3005 Action Step Owner O an	Emergency Planning PBNP Persons Hrs f 1 Owner Group	4Q04 Per Person 80 Start Date		4Q04 Comments Due Date	Effectiveness review report. Deliverable
OP-09-001.15	Action Step Review the current requirement to do annual review of SAMGs and adjust	Track IDs EFR030493 Resource 300360 3005 Action Step Owner O an frequency tTrack IDs CA031478	Emergency Planning PBNP Persons 1 Owner Group Operations Persons Hrs F	4Q04 Per Person 80 Start Date		4Q04 Comments Due Date	Deliverable Revised E-Plan, if required.

Action Step

Revision 1

Deliverable

		Owr	ner			
OP-09-001.17	Re-review Emergency Planning OE evaluate performed since 7/1/01 for adequacy.	tions	Emergend Planning Pl		4Q03	Document review and write CAPs to address any inadequacies.
	tTrac	ck IDs CA03208	8			
		Resource	# Persons	Hrs Per Person	Comment	
	<u> </u>	300360 3005	1	250	33 Ann 3 Ann 3 Chaire 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		300360 3009	1	50		
Number	Action Step	Action Owr	•	oup Start Date	Comp Date Due Date	Deliverable
OP-09-001.18	Review Emergency Planning related CAPs written since 7/1/01 for recurring and		Emergend Planning Pl		4Q03	Quarterly effectiveness review (QER)

Owner Group

tTrack IDs CA032089

Number

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Action Step

unresolved issues.

Resource	# Persons	Hrs Per Person	Comments
300360 3005	1	250	
300360 3009	1	50	

Start Date Comp Date

Due Date

Pillar of Excellence:

OP

Priority

1 3B 1C

CAP # 033301

Focus Area:

Emergency Preparedness (EP)

Action Plan Title:

Improve Process for Conducting Drills and Exercises

Action Plan Number:

OP-09-002

Resp Group:

Emergency Planning PBNP

Focus Area Owner:

Problem Statement:

Emergency Preparedness drills and exercises have not been fully successful.

Causal Factors:

- 1 There was no structured process for drill/exercise development and preparation.
- 2 Drill objectives were not always effectively factored into scenario development.
- 3 Critiques not fully effective in identifying scenario development deficiencies.

Objectives:

- 1 Implement a structured administrative process for scenario development that ensures Emergency Preparedness drill/exercise objectives are scoped into the scenario.
- 2 Implement an enhanced Emergency Preparedness drill/exercise critique process.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-002.1	Implement a drill and exercise procedure that is milestone driven.		Emergency Planning PBNP	3Q03		1Q04	Drill and exercise procedure approved and issued.
	ATmak IDa	CA020407					

tTrack IDs CA030497

Resource	# Persons	Hrs Per Person	Comments
300360 3005	2	30	

Number	Action St o p	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-002.2	Include drill/exercise dates in the production work schedule.		Emergency Planning PBNP	3Q03		4Q03	Copy of 2004 production work schedule with EP drills included.

tTrack IDs CA030499

	Resource	# Persons	***************************************	on Comments
3	00360 3005	1	2	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
)P-09-002.3	Verify 6-year and annual historical data completeness and accuracy.	for	Emergency Planning PBNP	2Q03	27-Jun-03	2Q03	Memo documenting verification
	ť	Track IDs CA030500					
		Resource #	the calculate their Carried to the contract	Per Person		Comments	
		300360 3005	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-09-002.4	Review and revise 6-year plan objective ensure conformance to regulatory refere	s to	Emergency Planning PBNP	2Q03	 	3Q03	Revised 6-year plan.
	* •	Track IDs CA030501					
		Resource #	Persons Hrs F	Per Person		Comments	
		300360 3005	1	50		<u> </u>	· · · · · · · · · · · · · · · · · · ·
		300360 3009	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-09-002.5	Implement a tracking method to ensure objectives are demonstrated in each 6-y cycle.		Emergency Planning PBNP	3Q03		4Q03	Document showing history and project implementation schedule
	ť	Track IDs CA030502					
		The state of the s	Persons : Hrs F	er Person		Comments	
		300360 3005	1	4	9 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-002.6	Define pass-fall criteria for planning star and use these criteria to support drill/ex objectives.	ndards	Emergency Planning PBNP	3Q03		1004	Approved and issued drill/exerce procedure.
	ť	Track IDs CA030503					

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300360 3005

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-002.7	Develop a 2004 drill schedule that te aspects of program implementation various techniques.	sts various	Emergency Planning PBNP	3Q03		4Q03	SVP memo documenting approval of drill/exercise schedule for 2004.
		tTrack IDs CA030504					
		Resource # F	Persons Hrs P	er Person		Comments	
		300360 3009	1	10			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-002.8	Formalize the critique process.		Emergency Planning PBNP	3Q03		1Q04	Issued drill and exercise procedure
		tTrack IDs CA030505					
		Resource # F	ersons :: Hrs R	er Person		. Comments	
		300360 3005	1 1	20	***	Wigging Control	
		1 000000000					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
	Action Step Conduct an effectiveness review.		Emergency		Comp Date	Due Date	Deliverable Effectiveness review report.
			<u> </u>	Start Date	Comp Date		
		Owner tTrack IDs EFR030506	Emergency Planning PBNP	Start Date			
Number DP-09-002.9		Cwner tTrack IDs EFR030506	Emergency Planning PBNP	Start Date 4Q04 er Person	Comp Date	4Q04	
		Owner tTrack IDs EFR030506	Emergency Planning PBNP Persons Hrs P	Start Date		4Q04	
		Cwner tTrack IDs EFR030506	Emergency Planning PBNP Persons Hrs P	Start Date 4Q04 er Person		4Q04	
OP-09-002.9	Conduct an effectiveness review.	Cwner tTrack IDs EFR030506 Resource #F 300360 3005 Action Step Owner	Emergency Planning PBNP Persons Hrs P	Start Date 4Q04 er Person		4Q04	Effectiveness review report.
DP-09-002.9 Number	Conduct an effectiveness review. Action Step Formalize the process to capture and	Cwner tTrack IDs EFR030506 Resource #F 300360 3005 Action Step Owner	Emergency Planning PBNP Persons Hrs.P 1 Owner Group Emergency	Start Date 4Q04 er Person 80 Start Date		4Q04 Comments Due Date	Effectiveness review report. Deliverable
DP-09-002.9 Number	Conduct an effectiveness review. Action Step Formalize the process to capture and	Cwner tTrack IDs EFR030506 Resource #F 300360 3005 Action Step Owner t track ises. tTrack IDs CA031479	Emergency Planning PBNP Persons Hrs.F 1 Owner Group Emergency Planning PBNP	Start Date 4Q04 er Person 80 Start Date		4Q04 Comments Due Date	Deliverable Issued drill and exercise procedure

OP

Priority

1 3C 1C

CAP# 033302

Focus Area:

Emergency Preparedness (EP)

Action Plan Title:

Revise Emergency Plan Implementing Procedures

Action Plan Number.

OP-09-003

Resp Group:

Emergency Planning PBNP

Instruction Manuals.

Focus Area Owner:

Problem Statement:

The Emergency Plan and supporting procedures are not adequately aligned.

Causal Factors:

- 1 Changes were made to supporting procedures without recognition of their effect on the Emergency Plan.
- 2 The change process did not ensure that proposed changes to the program were adequately reviewed.

Objectives:

- 1 Revised Emergency Plan and supporting procedures are aligned.
- 2 The Emergency Response Organization (ERO) is trained on the Emergency Plan and procedure revisions.
- 3 The change process will reliably assist in identifying effects of change on Emergency Plan.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.1	Evaluate the Emergency Plan to determine compliance with 10 CFR 50, Appendix E, and NUREG-0654.		Emergency Planning PBNP	2Q03	13-Jun-03	2Q03	Document non-conformance in accordance with the CAP. If required, submit temporary changes to Plan or Procedures.

tTrack IDs CA030509

Resource # Persons	His Per Person Comments
No resources assigned.	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.2	Staff a team of plant personnel to upgrade and revise the Emergency Plan, Emergency Plan Implementing Procedures, Emergency Plan Maintenance Procedures, and Position		Site VP & ECP	2Q03	08-Jun-03	2Q03	NMC Today article outlining project members and responsibilities.

tTrack IDs CA030510

Resource # Persons	Hrs Per Person Comments

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.3	Provide existing documentation of current license basis to the EP staff.		Regulatory Affairs — Licensing	1Q03	12-Jun-03	2Q03	Deliver existing CLBs related to Emergency Plan and procedures.
	tTrack IDs	CA030511					
	No resou	ource #1 rces assigned.	Persons Hrs P	er Person		Comments	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.4	Review CLB document, NUREG-0654, and 10 CFR 50, Appendix E, and NEI 99-02 against existing Emergency Plan and supporting procedures. Draft changes to Plan and procedures as necessary.		Emergency Planning PBNP	2Q03		3Q03	Procedures in draft form, through technical review, as documented on PBF-0026a

tTrack IDs CA030543

664LCLER	2	30	
00010 3005	1	100	
00020 3005	1	100	
00030 3005	1	100	
00130 3006	1	100	
00270 3009	1	100	
300360 3005	1	100	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.5	Complete 50.54(q) reviews for identified procedure revisions.	· · · · · · · · · · · · · · · · · · ·	Emergency Planning PBNP	3Q03	_	3Q03	Completed reviews as documented on PBF-0026a and PBF-1301

tTrack IDs CA030544

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Resource	# Persons	Hrs Per Person	Comments
300030 3005	2	40	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-09-003.6	Leadership team to review changes to Emergency Plan and supporting proce understanding and to determine training	dures for	Site VP & ECP	3Q03		3Q03	Completed reviews as document on PBF-0026a, Section III, Document Owner Review
		tTrack IDs CA030545					
		Resource # 300270 3009	Persons Hrs	Per Person		Comments	
		000270 0003					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-09-003.7	Perform commitment changes, if approin accordance with NP 5.1.7.	opriate,	Regulatory Affairs – Licensing	3Q03		3Q03	Approved commitment changes.
		tTrack IDs CA030546					
		Resource #	Persons Hrs	Per Person		Comments	
		660LCLER	1	10			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-09-003.8	Design and develop continuing training materials for the Plan and procedure of identified.	hanges	Training	3Q03		4Q03	Approved lesson plans.
	1	tTrack IDs CA030547					
		Resource #	Persons Hrs	Per Person		Comments	
		661LCLER	3	20			
		300360 3005	4 1	80			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
)P-09-003.9	Implement continuing training as requition the plan and procedure changes.	red for	Training	3Q03		1Q04	Approved training schedule and completed attendance records
	1	tTrack IDs CA030548					

Revision 1

Number	Action Step	Action S Owne	•	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.10	Issue the revised Emergency Plan a supporting procedures.		Emergency Planning PBNP	4Q03		1Q04	Revised procedures.
		tTrack IDs CA030549					
		Resource	# Persons :: Hrs	Per Person		Comments	
		660LCLER	2	40			
		L					
Number	Action Step	Action S Owne		Start Date	Comp Date	Due Date	Deliverable
OP-09-003.11	Upgrade initial training materials for members.	ERO	Training Genera	4Q03		2Q04	Approved training program, lesso plan and qualification cards for each ERO position.
		tTrack IDs CA030550					
		Resource	# Persons Hrs	Per Person		Comments	
		Seating & Francis		500		3.00	
		300130 3006	2	500	<u></u>		
Number	Action Step	Action S Owne	•	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.12	Upgrade NP 1.8.3 and PBF-1301 to completing appropriate 50.54(q) rev		Emergency Planning PBNP	2Q03	02-Jul-03	3Q03	Approved procedure NP 1.8.3 and form PBF-1301.
		tTrack IDs CA030552					
		Resource	#Persons Hrs	Per Person		Comments	
		No resources assigned	1.				
Number	Action Step	Action S Owne		Start Date	Comp Date	Due Date	Deliverable
OP-09-003.13	Conduct an effectiveness review.		Emergency Planning PBNP	2Q04		3Q04	Effectiveness review report.
		tTrack IDs EFR030554	ļ				
		Resource		Per Person		Comments	
		300360 3005	2	80			

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-09-003.14	Revise PIMs to match the Plan and procedure changes.		Emergency Planning PBNP	3Q03		4Q03	Draft of PIMs as necessary. (PIMs will be issued under step OP-09-003.10)

tTrack IDs CA031943

Resource	# Persons	Hrs Per Person	Gommens)
300360 3005	1	80	

Pillar of Excellence: OP **Priority** 1 3C 3B CAP# 031160 Focus Area: Corrective Action Program (CAP) **Action Plan Title:** Improve CAP Action Request Screening and Prioritization, Operability Determination and Problem Reporting Action Plan Number: OP-10-001 **Performance** Resp Group: Assessment Focus Area Owner: **Problem Statement:** (1) The CAP screening process has not been fully effective at establishing station focus on the most risk significant issues. (2) The quality of Operability Determinations (ODs) is inconsistent. **Causal Factors:** 1 The CAP Screening Team did not adequately screen Action Requests (AR) that emphasized nuclear risk and operability. The CAP Screening Team did not fully understand their roles and responsibilities. Some Operability Deteriminations have lacked rigor and have needed to be revised. Objectives: The CAP Screening Team effectively establishes CAP priorities and focus for CAP ARs based upon defined screening criteria. 2 Implement the NMC fleet operability determination process. **Action Steps:** Number **Action Step Action Step Owner Group** Start Date Comp Date **Due Date** Deliverable Owner OP-10-001.1 Revise the CAP AR screening process to Performance 14-Feb-03 Documented screening criteria. 2Q03 provide clear focus on the most significant **Assessment** items based upon nuclear safety and risk. tTrack IDs CA030558 # Persons Hrs Per Person Comments Resource No resources assigned. **Action Step** Owner Group Start Date Comp Date **Due Date** Deliverable Number Action Step Owner OP-10-001.2 22-May-03 Conduct briefing for CAP Screening Team Performance Documentation of briefing. 2Q03 members on their roles and responsibilities and Assessment on CAP program elements.

tTrack IDs OTH028137

No resources assigned.

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.3	Provide tools to aid in CAP Screening	i.	Performance Assessment		14-Feb-03	2Q03	Issued workflow/decision-making chart.
		tTrack IDs CA030558					
		Resource #	Persons 👙 👉 Hrs P	er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-001.4	Communicate the new CAP screening practices and reasoning to site person		Performance Assessment		14-Feb-03	2Q03	Internal memo from Site VP.
		tTrack IDs CA030558					
		■6. アダヤスランニア エミカエが 本外を集体的がたりによる		er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
)P-10-001.5	Implement screening criteria that emp EP Risk Significance Planning Stands Station procedures.		Performance Assessment		10-Apr-03	2Q03	Revised NMC Corrective Action Procedure to include EP Risk Significance Planning Standards
		tTrack tDs CA027792					
		Resource #	Persons : Hrs P	er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-001.6	Perform benchmarking of screening improvements.		Performance Assessment		15-Apr-03	2Q03	Documented assessment report
		tTrack IDs OTH028220					
		Resource #	ersons : Hrs F	er Person		Comments	

No resources assigned.

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Number	Action Step	Action Own		Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.7	Assess the effectiveness of the CAP 5 Team during the 2nd quarter of 2003.	Screening	·	Nuclear Oversight	2Q03	29-Jun-03	2Q03	Issued effectiveness review report.
		tTrack IDs OTH0290	52					
		Resource	* # Pe	15 Table 2 15 Table 2 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	Per Person .		Comments	
	ı	300140 3007	Color Section	1	20			h nation (Pale Brazilla California e C. (1995); 2
Number	Action Step	Action Owr	•	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.8	Assess the effectiveness of the CAP STEAM during the 4th quarter of 2003.	Screen		Nuclear Oversight	4Q03		4Q03	Issued effectiveness review report.
		tTrack IDs OTH0281	36					
		Resource	#Pe	rsons Hrs	Per Person		Comments	
		300140 3007		1	20			
Number	Action Step	Action Owr		Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.9	Develop a Conditions Adverse to Qua report.	lity status		Performance Assessment	2003		1Q04	Published status report.
		tTrack IDs CA03056	4					
		Resource	#Pe	rsons Hrs	Per Person		Comments	
		300380 3009		2	80			S. A. C. S. C.
Number	Action Step	Action Owr		Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.10	Brief Operability Determination expect requirements with Shift Managers at n meeting.			Plant Manager		14-May-03	2Q03	Completed record of briefing.
		tTrack IDs CA03056	5					
		Resource	#Pe	rsons 👉 Enos	Per Person		Comments	
		No resources assign	ed.	<u>Zaja a amerika dipertuju arriba arriba arr</u>	Total Maria		and the Bush and the Spinish and the	

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Revision 1

Number	Action Step	Action Ster	Owner Gro	oup Start Date	Comp Date	Due Date	Deliverable
P-10-001.11	Implement the NMC Fleet Operability Determination procedure.		Engineerir Program			3Q03	Fleet Procedure record of acceptance.
	,	tTrack IDs CA030567					
		■ 関連による がたが しょうに (28) 「18 (48) 「20 (48) 「2	# Persons	Hrs Per Person		Comments	
		300150 3004	50	4		4-7-7-2 - 2*	
		300160 3004	54	4			
		300160 3004	2	120			
	the Operability Determination process.	tTrack IDs OTH029032					
		Resource	# Persons	Hrs Per Person		Comments	
			100 mm & 1 - 100				
		300020 3005	50	2			
		300020 3005 300130 3005	50				
		300020 3005	100 mm & 1 - 100	2 40 2			
		300020 3005 300130 3005 300150 3004	50 1 50	2 40			
		300020 3005 300130 3005 300150 3004 300160 3004	50 1 50 40	2 40 2 2			
Number	Action Step	300020 3005 300130 3005 300150 3004 300160 3004	50 1 50 40 50	2 40 2 2 2	Comp Date	Due Date	Deliverable

tTrack IDs OTH028195 OTH028196 OTH028197 OTH028198 OTH028200 OTH028201 OTH028202 OTH028203 OTH028204 OTH028205 OTH028206 OTH028207 OTH028208 OTH028729 OTH028730

	THE RESIDENCE OF THE PARTY OF T	44.74	Comments
Cesonice *** ** ** Leisoi	is I mis coi reisui	The transfer of the second	- Comments
	A THE REST OF THE PARTY OF THE	to the state of the state of the state of	

No resources assigned.

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Number	Action Step	Action Ow	n Step mer	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-001.13.A	As follow-up to Step OP-10-001.13, proving reinforcement of problem identification expectations to the site.	/ide a		Assessment	3Q03		4Q03	E-mail showing plant group identified in Action Step OP-10-001.13 acknowledgement of distributed message.
	ព	rack IDs CA03169	96					
		Resource	#1	Persons : Hr	s Per Person		Comments	
		300380 3009	4472X	1	10			
	1		<u> </u>					
Number	Action Step	Action Ow		Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-001.14	Perform an external assessment of the effectiveness of the screening process			Performance Assessment	1Q04		2Q04	Assessment report
	et et	rack IDs EFR0305	568					
		Resource	# 1	Persons Hr	s Per Person		Comments	`
		300380 3009		2	40			
Number	Antion Cton	Action	. Cha	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Idnumet	Action Step	Ow		Owner Group	Start Date	Comp Date	DAG Dara	Deliverable
OP-10-001.15	Perform an effectiveness review of ODs QRT process and report results to Senio Management.			Engineering Design	3Q03		1Q04	Completed Effectiveness Review Report.
	ព	Track IDs EFR031	948					
		Resource	#1	Persons 📖 Hi	s Per Person I.		Comments	
		300170 3004	243.78	4			ting property	4/4-4/3/6-49-9-20-45-5-5
		3001703004	I	<u> </u>	20			

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OP

Priority

1 3C 3B

CAP# 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

CAP Activity Completion Prior to Due Date and Backlog Minimization

Action Plan Number:

OP-10-002

Resp Group:

Performance Assessment

date extensions.

Focus Area Owner:

Problem Statement:

Corrective Actions have not been timely.

Causal Factors:

- 1 Oversight of the Corrective Action Program has not been fully effective.
- 2 Overdue activities were not closely monitored and actions were not taken to correct this problem.
- 3 Due date extensions were not monitored.
- 4 Personnel were held to various levels of accountability in meeting dates.

Objectives:

1 Reduce the number of overdue and extended CAP actions.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.1	Provide status updates to CARB on overdue CAP Activities.		Performance Assessment	1Q03	28-Feb-03	2Q03	Standard CARB agenda item for overdue CAPs.

tTrack (Ds OTH028161

Resource #Persons Hrs Per Person Comments

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.2	Develop and communicate Management		Site VP & ECP	1Q03	28-Feb-03	2Q03	NMP 2003-0153 issued.

tTrack IDs OTH029862

Resource # Person	Hrs Per Person Comments	
N		

Revision 1

Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.3	Establish a CAP Overdue Clock Perfor Indicator.	mance		Performance Assessment	1Q03	28-Feb-03	2Q03	Performance Indicator established
		tTrack IDs (OTH029866					
		Resou	rce #F	Persons Hirs P	er Person		Comments	
		No resource	es assigned.		2.55-200-99-1-2-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3			
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.4	Develop a plan for reducing overdighted and use of extensions. Develop and communicate Manage Expectations to ensure program accounts.	jement		Performance Assessment	1Q03	06-Mar-03	2Q03	NPM 2003-0153 issued.
		tTrack IDs (OTH028184					
		Resou	rce #F	Persons Hrs P	er Person		Comments	
		No resource	s assigned.		No to the second to be a second to the second			
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.5	Conduct Root Cause Evaluation revision associated with lack of bias toward act			Engineering	1Q03	08-Jul-03	2Q03	See Action Plan Step OR-07- 002.18 associated with the streaming analysis performed from SOER 02-04. This step considered closed to avoid duplicate tracking.
		tTrack IDs						
		Resou		ersons : Hrs P	er Person		Comments	
		No resource						
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-002.6	Develop a plan to reduce the CAP operitem backlog.	en action		Engineering Processes	1Q03	07-Mar-03	2Q03	Issued backlog reduction plan.
		tTrack IDs C	OTH028170					
		Resou	rce #F	ersons _ Hrs P	er Person :		Comments	
		No resource	s assigned.					

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Number	Action Step	Action S Own		oup Start Date	Comp Date	Due Date	Deliverable
OP-10-002.7	Reduce CAP backlog in Engineering.		Engineer Process			2Q04	Completed backlog reduction pla
		tTrack IDs CA031697	•				
		Resource	#Persons.	Hrs Per Person		Comments	
		300150 3004	33	6	,4.W	, c	
		300160 3004	40	9			
		300170 3004	35	25			
		300180 3004	12	10			
OP-10-002.8	I CAICA DECUMPO DE FOADI O OF DOM	rs and	Performa	108 1002	26-Jun-03	2003	Documented review of backlog.
OP-10-002.6	Review backlog of Level "C" & "D" CAI reduce backlog.		Assessm	1443	26-Jun-03	2Q03	Documented review of backlog.
OF-10-002.0	reduce backlog.	tTrack IDs CA030579	Assessm	ent Hrs Per Person	26-Jun-03	2Q03	Documented review of backlog.
Gr-10-002.d	reduce backlog.	tTrack IDs CA030579	Assessm	ent Hrs Per Person	26-Jun-03		Documented review of backlog.
O/~10-002.u	reduce backlog.	tTrack IDs CA030579	Assessm	ent Hrs Per Person	26-Jun-03		Documented review of backlog.
Number	reduce backlog.	Resource 300270 3009	Assessm # Persons 6 2 Step Owner Gr	Hrs Per Person 10 18			Documented review of backlog. Deliverable
	reduce backlog.	Resource 300270 3009 300380 3005	Assessm # Persons 6 2 Step Owner Gr	Hrs Per Person 10 18 oup Start Date		Comments	

	Resource	# Persons	Hrs Per Person	Comments
I	300380 3009	2	40	

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Pillar of Excellence: OP **Priority** 1 3C 3B CAP # 031160 Focus Area: Corrective Action Program (CAP) **Action Plan Title:** Effective CAP Monitoring **Action Plan Number:** OP-10-003 Resp Group: **Performance** Assessment Focus Area Owner: **Problem Statement:** CARB has not effectively provided oversight and monitoring of the Corrective Action Program. **Causal Factors**: 1 CARB has not focused on overall CAP performance such as CAP Performance Indicators, CAP Trend Reports, and general CAP performance. CARB members had an inconsistent understanding of their roles and responsibilities. CAP Performance Indicators have been narrowly focused. **Objectives:** 1 CARB members execute their roles and responsibilities as CARB members. 2 CARB routinely monitors CAP performance and provides appropriate oversight and direction of the CAP. **Action Steps:** Number **Action Step Action Step Owner Group** Start Date Comp Date **Due Date Deliverable** Owner OP-10-003.1 Develop a CARB Charter. Standardize CARB 12-Mar-03 **Performance** Approved and published CARB 2Q03 charter. Published standard meeting agenda. Assessment meeting agenda. tTrack IDs OTH028161 Resource # Persons Hrs Per Person Comments No resources assigned. Number **Action Step** Action Step **Owner Group** Start Date Comp Date **Due Date** Deliverable Owner OP-10-003.2 Provide CARB member briefing covering key Performance 20-May-03 Documented record of briefing. 2003 CAP elements and their role in the oversight of Assessment the program. tTrack IDs OTH028167

Comments

Persons

Hrs Per Person

Resource

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-003.3	Review and revise performance Indicator	8.	Performance Assessment		20-May-03	2Q03	CAP Performance Indicators issued.
	tτ	rack IDs OTH028210					
		Resource #	Persons Hrs	Per Person		Comments	
	i	No resources assigned.			500 A 18 A		And the control of th
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-10-003.4	Assess the quality of corrective actions of quarterly basis through 4th qtr 2004. Re- presented to CARB on a quarterly basis.		Nuclear Oversight	1Q03		1Q05	Issued Assessment Reports and documentation of presentations CARB meeting minutes.
	tT	rack IDs OTH029055 OTH	1029056 OTH02905	7			
		Resource #	Persons Hrs	Per Person		Comments	
	Į	300140 3005	5	120 10	per month		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
)P-10-003.5	Present the CAP activity rejection rate information to CARB on a periodic basis through 4th qtr 2004.		Performance Assessment	1Q03		1Q05	Documentation of review in CAR meeting minutes.
	tT.	rack IDs OTH028539 OTH	1029058 OTH02905	9 OTH029060			
		Resource #	Persons 🤃 Hrs	Per Person		Comments	
	į	300380 3005	3	48 4 p	er month		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-003.6	Perform assessment of CARB improvem	ents.	Performance Assessment		15-Apr-03	2Q03	Issued assessment report.
	tT	rack IDs OTH028220					
		Resource #	Persons Hrs.	Per Person		Comments	
	Ĺ				2277775312915234		4.7

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Number	Action Step	Action St e p Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-10-003.7	Implement a method for monitoring the of corrective actions. Present the 1Q200 results to CARB.		Nuclear Oversight (PB)		30-Apr-03	2Q03	Results documented in CARB meeting minutes.
	tτ	rack IDs OTH028185					
		Resource # #	Persons Hrs P	er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-003.8	Present corrective action rejection data t CARB.	0	Performance Assessment	······································	15-Apr-03	2Q03	CARB meeting minutes record presentation.
	\ tT	rack IDs OTH028186					
	()	Resource #1	Persons - 🚈 Hrs P	er Person 🗀		Comments	
	'	No resources assigned.				**	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-003.9	Monitor self-reporting ratios on a quarter basis and include in CAP Trend Reports.		Performance Assessment		01-Apr-03	2Q03	Approved Quarterly Trend Repo containing SIPR data.
	tT	rack IDs OTH028209					
		Resource #1	Persons Hrs P	er Person		Comments	
	'	No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-003.10	Assess the effectiveness of CARB in monitoring the health of the CAP and promoting line ownership of the CAP (aft new CARB process implemented).	er the	Nuclear Oversight	2Q03		1Q04	Completed effectiveness report.
	tT	rack IDs EFR030582					

Resource	# Persons	na cel reisuli	Comments
300140 3005	1	30	

Effective Date: 7-11-03

OP

Priority

1 3C 3B

CAP # 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

CAP Resolutions Effectively Address Problems

Action Plan Number.

OP-10-004

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

Corrective actions do not always resolve problems.

Causal Factors;

- 1 Some corrective actions taken have not resolved the identified problems.
- 2 Ownership of significant station issues was not consistently assigned to ensure timely issue resolution.
- 3 Some personnel do not understand their roles & responsibilities in the Corrective Action Program.

Objectives:

- 1 A Technical Review Board is established (and in place until the Site VP and Plant Manager agree the need no longer exists) to review selected corrective actions to ensure the actions taken adequately to resolve the issue.
- 2 Issue Owners are assigned to significant issues.
- 3 Station personnel are aware of their roles and responsibilities in the Corrective Action Program.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.1	Develop a method to assign an "Issue Owner" to significant issues.	<u> </u>	Assessment		28-Feb-03	2Q03	CAP Screening Team guidance form.

tTrack IDs OTH028191

Resource # Persons Hrs Per Person	Comments
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No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.2	Review all open Priority 5 CAP items and either close with no action or re-prioritize the item.		Performance Assessment		28-Feb-03	2Q03	Documentation of completed scrub.

tTrack IDs OTH028171 thru OTH028183

Resource # Persons Hrs Per Person Comments	
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Number	Action Step	Action 5		Start Date	Comp Date	Due Date	Deliverable
OP-10-004.3	Conduct a Stream Analysis of the Action Program issues.	Corrective	Performance Assessment		08-Apr-03	2Q03	Documented CAP Stream Analysis results.
		tTrack IDs OTH02816	9				
		Resource	# Persons Hrs	Per Person		Comments	
		No resources assigne	d.		-		
Number	Action Step	Action 5		Start Date	Comp Date	Due Date	Deliverable
OP-10-004.4	Conduct briefing for station person (individual contributors) covering k of the CAP and their roles & respo	ey elements	Performance Assessment	1Q03	20-Jun-03	2Q03	Briefing attendance records.
		tTrack IDs OTH02821	6				
		Resource	# Persons Hrs I	Per Person		Comments	
		No resources assigne	d.		<u> </u>	45° (48° 157° 157° 177° 177° 177° 177° 177° 177	
Number	Action Step	Action 5	•	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.5	Review lesson plan ORI-01-LPAR changes to the new employee CAI against program changes and imp Revise as required.	Plesson plan	Training		06-May-03	2Q03	Documented review of ORI-01- LPARP, or issued revision of that lesson plan.
	·	tTrack IDs OTH02821	8				
		Resource	# Persons Hrs i	Per Person		Comments	
		No resources assigne	d.				
Number	Action Step	Action S	•	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.6	Reduce Quality Check backlog. C problems noted during Quality Che CARB. Clarify Quality Check guid ensure emphasis is placed on CAI involve CAQs.	eck to the ance to	Performance Assessment		10-Apr-03	2Q03	CARB minutes of initial review of quality check information and copy of CAP performance indicator for quality check.
		tTrack IDs OTH02853	9				
		Resource	# Persons Hrs I	Per Person		Comments	
		No resources assigne	d				

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.7	Create a technical panel to perform a multi- discipline review of the Corrective Actions from root causes and other significant Corrective Actions to ensure appropriate actions are being taken to address the problem. The panel will remain in place until the Site VP and Plant Manager agree the need no longer exists.		Assessment	2Q03	15-Apr-03	2Q03	Documentation of Technical Review Board.
	tTrack IDs	OTH029030 OTI	1029031				
	Res	ource * #1	Persons Hrs P	er Person		Comments	
	No resou	rces assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-004.8	Develop desktop guide to assist supervisors and CAP Liaisons in the review and closeout of corrective actions.		Performance Assessment	2Q03	14-Jul-03	3Q03	Desktop guide issued.
	tTrack IDs	CA030586					
	Res	ource #1	Persons Hrs P	er Person		Comments	
	30038	30 3009	1	40			
	<u></u>						
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.9	Conduct briefing to improve Apparent Cause Evaluation and Condition Evaluation awareness.		Performance Assessment	2Q03		3Q03	Briefing attendance records.

tTrack IDs CA030587

Resource	# Persons	Hrs Per Person	Comments
300270 3005	15	2.5	
300270 3005	50	2.5	
300380 3009	1	120	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-004.10	Assess feedback from CAP Key Ele Roles & Responsibilities briefing pro station personnel.		Performance Assessment	2Q03		3Q03	Documentation of feedback assessment and any necessary CAP changes implemented.
		tTrack IDs CA030588					
		Resource #	Persons Hrs	Per Person		Comments	
		300380 3009	1	60			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-10-004,11	Conduct an assessment of the use by Maintenance.	of the CAP	Maintenance Programs & Facilities	4Q03		4Q03	Assessment report.
		tTrack IDs CA031300					
		Resource #	Persons Hrs	Per Person		Comments	
		No resources assigned.			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
)P-10-004.12	Perform an effectiveness review.		Performance Assessment	1Q04		2Q04	Documented effectiveness revier report.
		tTrack IDs EFR031301					
		Resource #	Persons Hrs	Per Person		Comments	
		300380 3009	2	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-10-004.13	Provide hands-on workshops of t-Tr familiarization to personnel who req workshop attendance.		Performance Assessment	2Q03		1Q04	Attendance lists.
	·	tTrack IDs CA031698					
				Per Person		Comments	
		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Jan Barra	80 16 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18			

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OP

Priority

1 3C 3B

CAP# 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

CAP Trending

Action Plan Number:

OP-10-005

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

Trend coding and trend analyses have not been used effectively to identify and correct adverse trends.

Causal Factors:

- 1 The CAP trending process was not considered a value added activity or priority by station management.
- 2 Some CAP Liaisons have not received training on trend coding and trend analysis.
- 3 CAP trending information is not an input into Training.

Objectives:

1 CAP Trend Reports reflect station performance and identify potential adverse trends.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.1	Develop a method to address the CAP AR trend coding backlog.		Performance Assessment		24-Feb-03	2Q03	Documented method to address CAP trend coding backlog.
	tTrack IDs	OTH028138					

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-10-005.2	Trend code the Level A & B CAPs from 2002.		Performance Assessment	12-Jun-03	2Q03	A report shows no 2002 Level A & B CAPs that have not been trend coded.

tTrack IDs OTH029881

Resource Persons Hrs Per Person Comments	14,017
	\$45 April 17 April 18 April 17 April 18

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.3	Develop a method to trend code CAP AF timely manner.	Rs in a	Performance Assessment		24-Feb-03	2Q03	Documented method for trend coding ARs at the front end of the process.
	tτ	rack IDs OTH028138 OTI	H028150				
		Resource . # # I	Persons Hrs P	er Person		Comments	
	•	No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.4	Identify trigger thresholds for adverse tre identification (E, PM, PO, PC, PR, T)	nd	Performance Assessment		06-May-03	2Q03	Documented thresholds defining adverse trend criteria for appropriate departments.
	tτ	rack IDs OTH028139 thru	OTH028147				
		Resource #F	Persons Hrs P	er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.5	Review CAP trend capabilities and Trend Report format with CARB using a comple Trend Report.		Performance Assessment		21-Apr-03	2Q03	Issued 4th Qtr 2002 CAP Trend Report.
	tт	rack IDs OTH028148					
		\$\frac{1}{2}\text{1.50}\text{2.50}\text{2.50}\text{2.50}\text{3.50}3.50	Persons Hrs P	er Person	•	Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.6	Establish standard CARB agenda and C	harter.	Performance Assessment		12-Mar-03	2Q03	Approved CARB Charter & meetin agenda that directs the review of CAP Trend Reports.
	tτ	rack IDs OTH028161					
	I	Resource :		er Person		- Comments	
		NAMES OF THE PARTY	A CONTRACT CONTRACT	945-000 SAME OF			

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.7	Determine a method for System Engir trend and analyze equipment failures.		Engineering Equipment Performance		02-May-03	2Q03	Documented method for trending and monitoring equipment failure:
		tTrack IDs OTH028151					
		Resource	Persons Hrs F	Per Person		Comments	
		No resources assigned.		2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	A COLUMN TO THE PARTY OF THE PA		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.8	Provide trend coding and trend analys briefing to CAP Liaisons.	is	Performance Assessment		10-Apr-03	2Q03	Briefing attendance sheets.
		tTrack IDs OTH028157					
		Resource	Persons Hrs I	er Person		Comments	
		No resources assigned.					•
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.9	Perform benchmark of CAP trending.		Performance Assessment		20-May-03	2Q03	Trending benchmarking report.
		tTrack IDs OTH029028					
		Resource	Persons Hrs F	Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.10	Incorporate CAP trending data into the TAC/CRC processes.	9	Training			3Q03	TAC & CRC process revised.
		tTrack IDs CA030589					
		Resource	Persons	Per Person		Comments	
		300130 3005	1	60		NAME OF STREET	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-005.11	Implement program to trend and ans equipment failures.	alyze	Engineering Equipment Performance	2Q03		1Q04	Documented program.
		tTrack IDs OTH029883					
		Resource #1	Persons 🕢 Hrs P	er Person		: Comments	
		Resource #.	Persons Hrs P	er Person		Comments	
Number	Action St o p	Salar Control of the	Persons Hrs P 1 Owner Group		Comp Date	Comments Due Date	Deliverable

tTrack IDs EFR030590

Resource	# Persons	Hrs Per Person	Comments
300140 3007	1	80	

OP

Priority

1 3C 3B

CAP# 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

Effective Root Cause Evaluations

Action Plan Number:

OP-10-006

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

Root Cause Evaluations (RCEs) have not been fully effective at improving station performance and preventing some repeat events.

Causal Factors:

- 1 Root Cause Evaluations were typically performed by individual evaluators instead of root cause teams.
- 2 There are no formal requirements for root cause team evaluators or team leaders.
- 3 Root Cause Evaluation progress was not monitored by station management.
- 4 CARB Root Cause quality assessment scoring methodology was not fully effective.

Objectives:

- 1 Average Root Cause Evaluation quality grade is greater than/equal to 80.
- 2 Root Cause Evaluations are monitored by management.
- 3 Individuals are designated and receive instruction to become root cause evaluators and team leaders.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.1	Establish a Root Cause mentor and strengthen the RCE Management Sponsor criteria.		Performance Assessment		21-Mar-03	2Q03	RCE charter documenting mentor and sponsor criteria.
	tTrack IDs	OTH028187					
		purce #P	ersons Hrs P	er Person		Comments	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-10-006.2	Provide Root Cause Evaluator refresher briefing.		Performance Assessment	22-May-03	2Q03	Briefing attendance records.

tTrack IDs OTH028188

Resource # Persons Hrs Per Person Comments
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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.3	Promote the use of RCE Te investigators for significant e		Performance Assessment	1Q03	21-Mar-03	2Q03	Documented in RCE charter.
		tTrack IDs OTH028187					
		Resource #	Persons Hrs I	Per Person		Comments	1
		No resources assigned.	of (1.03), (1.04), (2.04)				
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.4	Develop RCE Evaluator cert	ification standard.	Performance Assessment	1Q03	22-Apr-03	2Q03	Approved RCE certification car
		tTrack IDs OTH028189					
			Persons Hrs I	Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.5	Develop a defined approach for RCE Charter and Scope		Performance Assessment	1Q03	21-Mar-03	2Q03	RCE Charter template.
		tTrack IDs OTH028187					
		Resource #	Persons Hrs I	Per Person		Comments	
		No resources assigned.		37.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	**************************************		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.6	Develop guidance for improve Condition assessment.	ved Extent of	Performance Assessment	1Q03		3Q03	Improved guidance for Extent of Condition assessments.
		tTrack IDs PCR028386					•
		Resource #	Persons : Hrs f	Per Person		Comments	
		300380 3009	1	20			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.7	Develop a certification to fur Cause Evaluation Team Lea		Performance Assessment	1Q03	30-Apr-03	2Q03	Approved RCE Team Leader Certification Card.
		tTrack IDs CA028119					
			Persons : Hrs F	Per Person		Comments	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.8	Revise NMC Fleet CAP procedure to di performance of a RCE for any NRC find is greater than GREEN.	rect the ling that	Performance Assessment	1Q03	03-Apr-03	2Q03	Revised NMC Fleet CAP procedu
	t	Track IDs CA027792					
		Resource	Persons Hrs I	Per Person		Comments	
		No resources assigned.					80-40-100-300-300-300-0
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.9	Develop station expectation that RCE Management Sponsor provide periodic progress updates to CARB of an RCE in progress.	n	Performance Assessment	1Q03	12-Jun-03	2Q03	Revised RCE charter template an CARB charter.
	ť	Track IDs CA028121					
		Resource #		er Person		, Comments	
		300270 3009	6	1	Propositions of March 1864 and	24.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	STO DOMESTIC STATE OF STATE STATES OF STATES
		300380 3009	1	50			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
	Action Step Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Owner	Owner Group Performance Assessment	Start Date	Comp Date 21-Mar-03	Due Date 2Q03	
	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Owner	Performance		· · · · · · · · · · · · · · · · · · ·		
	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Owner en Track IDs CA030591	Performance Assessment		· · · · · · · · · · · · · · · · · · ·		
	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Owner en Track IDs CA030591 Resource #4	Performance Assessment	1Q03	· · · · · · · · · · · · · · · · · · ·	2Q03	
	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Owner Track IDs CA030591 Resource #1	Performance Assessment	1Q03	· · · · · · · · · · · · · · · · · · ·	2Q03	
OP-10-006.10 Number	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs.	Covering Seed for	Persons Hrs I	1Q03 Per Person	21-Mar-03	2Q03	Documented RCE grading criteria.
OP-10-006.10 Number	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs. Action Step Assess recent root cause evaluations to that multi-disciplinary teams are being to Root Cause Investigations where appro	Covering Seed for	Persons Hrs I Owner Group Performance	1Q03 Per Person	21-Mar-03	2Q03 Comments Due Date	Documented RCE grading criteria. Deliverable
OP-10-006.10	Develop a standard RCE grading criteria/checklist for CARB to utilize who reviewing RCEs. Action Step Assess recent root cause evaluations to that multi-disciplinary teams are being to Root Cause Investigations where appro	Covering the Course of the Covering the Cove	Persons Hrs I Owner Group Performance Assessment	1Q03 Per Person	21-Mar-03 Comp Date	2Q03 Comments Due Date	Deliverable CAP Self Assessment report.

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.12	During 2004 CAP Self Assessment ver multi-disciplinary teams are being used Root Cause Investigations where appro	for	Performance Assessment	1Q04		3Q04	Completed CAP Self Assessment report.
	•	Track IDs EFR028124					
				Per Person		Comments	
		300380 3009	3	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.13	Train personnel on equipment root cause valuation approach/procedure.	50	Engineering Processes	2Q03	16-Jun-03	2Q03	Completed training records or briefing sheets.
	t	Track IDs OTH029029					
		Resource #P	ersons . Hrs.	Per Person		Comments	
		300380 3009	1	120	04.000		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-006.14	Establish a continuing/refresher training for Root Cause Evaluators.	course	Training	2Q03		3Q04	Training lesson plan developed.
	•	Track IDs CA030592					

	Resource	# Persons	Hrs Per Person	Comments
1	300130 3005	1	80	

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OP

Priority

1 3C 3B

CAP # 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

CAP Action Request (AR) Feedback

Action Plan Number:

OP-10-007

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

Problems and issues dispositioned under the CAP have not been well communicated to station personnel when they have requested it.

Causal Factors:

- 1 When CAPs are closed during screening, the initiator has not always been informed of closure.
- 2 Some personnel do not fully understand the CAP including their roles & responsibilities.
- 3 Personnel who request feedback during the evaluation are not always contacted.

Objectives:

- 1 Personnel are aware of their roles and responsibilities within the Corrective Action Program (CAP).
- 2 The CAP Initiator is contacted when a CAP is closed with no action and the CAP Initiator requested feedback.
- 3 A process is established for providing feedback for problems and issues dispositioned under the Corrective Action Program (CAP).

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-007.1	Develop a protocol to improve feedback to the CAP initiator and communicate to employees.		Assessment	1Q03	28-Feb-03	2Q03	Management expectations documented for the CAP Screening Team to provide feedback.

tTrack IDs OTH028168

Resourc	# Persons Hrs Per Person Comments	
• •		

Revision 1

Number	Action Step	Action Ste Owner	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-007.2	Conduct briefing for individual contri covering the key elements of the CA roles/responsibilities.		Performance Assessment	1Q03	20-Jun-03	2Q03	Documentation of briefing attendance.
		tTrack IDs OTH028216					
		Resource	#Persons Hrs	Per Person		Comments	
		300130 3006	1	40			
		300380 3009	2	120			
Number	Action Step	Action Ste Owner	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-007.3	Develop/implement an approach to the long-term benefits of the CAP to user.		Performance Assessment	1Q03	23-May-03	2Q03	Summary of actions taken to assist with promoting the CAP.
		tTrack IDs OTH028537					•
		Resource	#Persons His	Per Person		. Comments .	
		No resources assigned.			***************************************		<u> 1900 yang mangkan kalabat da kabupat kabupat kabupat</u>
Number	Action Step	Action Ste	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-007.4	Communicate/advertise success sto	ries.	Performance Assessment	2Q03		3Q03	Documentation of success stories communicated.
OP-10-007.4	Communicate/advertise success sto	ries. tTrack IDs CA030595		2Q03		3Q03	
OP-10-007.4	Communicate/advertise success sto	tTrack IDs CA030595	Assessment	2Q03 Per Person		3Q03	
OP-10-007.4	Communicate/advertise success sto	tTrack IDs CA030595	Assessment # Persons			Comments	
Number	Communicate/advertise success sto	tTrack IDs CA030595	Assessment # Persons Hrs	Per Person	Comp Date	Comments	
Number OP-10-007.6		Track IDs CA030595 Resource 300380 3009 Action Ste	Assessment # Persons Hrs	Per Person	Comp Date	Comments	communicated.
Number	Action Step	Track IDs CA030595 Resource 300380 3009 Action Ste	# Persons Hrs 2 Owner Group Performance	Per Person 120 Start Date	Comp Date	Comments . Due Date	Deliverable Documented effectiveness review
Number	Action Step	Resource 300380 3009 Action Ste	Assessment # Persons, Hrs 2 pp Owner Group Performance Assessment	Per Person 120 Start Date	Comp Date	Comments . Due Date	Deliverable Documented effectiveness review report.

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OP

Priority

1 3C 3B

CAP# 031160

Focus Area:

Corrective Action Program (CAP)

effectiveness review when warranted.

Action Plan Title:

CAP Effectiveness Reviews

Action Plan Number.

OP-10-008

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

CAP effectiveness reviews of completed corrective actions have not always been consistent.

Causal Factors:

- 1 Effectiveness reviews were only performed on events/issues where a Root Cause Evaluation was conducted.
- 2 Guidance for when to perform an effectiveness review was not sufficient.

Objectives:

1 Implement a method for ensuring that effectiveness reviews are consistently conducted.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-008.1	Assess existing guidance for adequate detail to conduct RCE effectiveness reviews.		Performance Assessment	1Q03		3Q03	Documented assessment.

tTrack IDs OTH028530

	Resource	# Persons	Hrs Per Person	Comments
ı	300380 3009	2	30	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-008.2	Develop and implement a method to ensure issues identified by CAP screen team that are not root cause evaluations are verified by an		Performance Assessment	1Q03	04-Apr-03	2Q03	Issue workflow/decision-making chart.

tTrack IDs OTH028193

Resource # Persons Hrs Per Person Comments	
No recourses sectioned	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-008.3	Perform an effectiveness review.		Performance Assessment	4Q03		4Q03	Documented effectiveness review report.

tTrack (Ds EFR031302

Resource	Persons 2	(Hrs Per Person)	Comments)
300380 3009	2	40	

OP

Priority

1 3C 3B

CAP # 031160

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

CAP Assignments are Based on Knowledge and Skill

Action Plan Number:

OP-10-009

Resp Group:

Performance Assessment

Focus Area Owner:

Problem Statement:

CAP performance needs improvement because some departments have not fully implemented the CAP liaison concept.

Causal Factors:

- 1 Several departments do not have a CAP Liaison assigned to mentor the process.
- 2 The roles and responsibilities of the CAP Liaisons are not well defined.
- 3 There is no formal indoctrination for CAP Liaisons.

Objectives:

1 Appropriate departments have a fully certified CAP Liaison.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-009.1	Develop and implement a CAP Liaison certification standard.		Performance Assessment	1Q03	22-May-03	2Q03	CAP Liaison certification standard.

tTrack IDs OTH028213

Resource # Persons Hrs Per Person Comments	
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No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-009.2	Clarify CAP Liaison roles and responsibilities.		Performance Assessment	1Q03	22-May-03	2Q03	Documented CAP Liaisons roles and responsibilities.

tTrack IDs OTH028213

	25 may 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Resource # Persons Hrs Per Person Comments	12.5 March 42.79

Revision 1

Number	Action Step	Action S Owne	•	oup Start Date	Comp Date	Due Date	Deliverable
OP-10-009.3	Identify gaps in CAP Liaison cove develop plans to fill gaps where a		Assessm	ent 1Q03	22-May-03	2Q03	CAP Liaison gaps identified and plans completed.
		tTrack IDs OTH02854	8 OTH028549 OTH0	28565			
		Resource	#Persons	Hrs Per Person		Comments	
		No resources assigned	d.				
Number	Action Step	Action S Owne	•	oup Start Date	Comp Date	Due Date	Deliverable
OP-10-009.4	Identified departments to fill CAP	Liaison gaps.	Assessm	ent 2Q03		3Q03	Department CAP liaisons assigne
		tTrack IDs OTH029899	9 CA027787 CA031	305			
		Resource	# Persons	Hrs Per Person		Comments	
		300040 3009	1	40			
		300210 3009	1	40			
		300350 3005	1	40			
		300360 3009	1 1	40			
Number	Action Step	Action S Owne	•	oup Start Date	Comp Date	Due Date	Deliverable
					00 141 00		A 11 A1 A2 14 A2 1
OP-10-009.5	Review CAP Liaison positions for ensure adequate support and cov CAP.		Assessm	^{ent} 2Q03	08-Jul-03	3Q03	See Action Step OP-10-009.4. This item is considered closed to avoid duplicate tracking.
OP-10-009.5	ensure adequate support and cov		Assessm	ent 2Q03	00-JUI-03	3Q03	This item is considered closed to
OP-10-009.5	ensure adequate support and cov	erage of the		Hrs Per Person	V6-JUI-U3	3Q03	This item is considered closed to
OP-10-009.5	ensure adequate support and cov	tTrack IDs	# Persons	2003	00-Jul-03		This item is considered closed to
OP-10-009.5 Number	ensure adequate support and cov	tTrack IDs	# Persons d. Step Owner Gro	Hrs Per Person	Comp Date		This item is considered closed to
Number	ensure adequate support and cov CAP.	tTrack IDs Resource No resources assigned Action S Owne	# Persons d. Step Owner Gro	Hrs Per Person pup Start Date		Comments	This item is considered closed to avoid duplicate tracking.
Number	ensure adequate support and cov CAP. Action Step	tTrack IDs Resource No resources assigned Action S Owne	# Persons d. Step Owner Green Performan Assessment	Hrs Per Person pup Start Date		Comments Due Date	This item is considered closed to avoid duplicate tracking. Deliverable
Number OP-10-009.6	ensure adequate support and cov CAP. Action Step	tTrack IDs Resource No resources assigned Action S Owner	# Persons d. Step Owner Green Performan Assessme	Hrs Per Person pup Start Date	Comp Date	Comments Due Date	This item is considered closed to avoid duplicate tracking. Deliverable Assessment Report

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-009.7	Provide new CAP Liaisons with expectations and certification cards at an indoctrination meeting.		Performance Assessment	3Q03		3Q03	Meeting minutes.

tTrack IDs CA031840

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Resource	# Persons	Hrs Per Person	Comments
300040 3004	1	2	V
300210 3004	1	2	
300350 3008	1	2	
300380 3009	1	10	

OP

Priority

2 3C 3B

CAP# 031808

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

Operating Experience (OE) Improvement Plan

Action Plan Number:

OP-10-010

Resp Group:

Assessment

Focus Area Owner:

Problem Statement:

Operating Experience (OE) has not been effectively used to prevent events and improve station performance.

Causal Factors:

1 Expectations have not been communicated or reinforced that OE is part of our core business.

2 OE data is spread between two databases.

3 There is no procedure for plant personnel to acquire OE, nor any documented expectation for its use.

4 The implementing procedure for processing OE lacks sufficient detail.

Objectives:

1 Expectations are communicated.

2 OE is consolidated within a single database.

3 Procedures for acquiring and processing OE are issued.

Action Steps:

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Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable	
OP-10-010.1	Develop and implement a new external Operating Experience Procedure that specifies roles and responsibilities, management's expectations for the use of OE and details of the OE program and process.		Assessment	4Q03	1Q04	Approved Procedure	

tTrack IDs CA029464 OTH28689

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Resource	# Persons	Hrs Per Person	Comments
300020 3005	1	6	
300140 3005	1	20	
300160 3004	1	6	
300270 3009	1	10	
300380 3005	1	120	

Revision 1

Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.2	Revise AM 3.13 to reflect current	practices.		Assessment	4Q03		1Q04	Revised AM 3.13
		tTrack IDs	CA030600					
		Reso		The state of the s	er Person		Comments	
		300380		1	20			
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.3	Develop a procedure on the acqui expectations for use of OE.	sition and		Assessment	4Q03		1Q04	Approved Procedure
		tTrack IDs	CA029465					
		Resor	urce # F	Persons Hrs P	er Person		Comments	
		662LT		1	40	ng an ar a sa a sa a sa a sa a sa a sa a s	en er state de la companya de la com	
			3005		40			

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-10-010.4	Establish Operating Experience Points of Contact (OEPOC) and brief the OEPOCs on their duties.		Assessment	3Q03	3Q03	OEPOCs established and briefing documented.

Resource	# Persons	Hrs Per Person	Comments.
300010 3005	1	5	
300020 3005	1	5	
300030 3005	1	5	
300130 3004	1	5	
300140 3005	1	5	
300150 3004	1	5	
300160 3004	1	5	
300170 3004	1	5	
300210 3004	1	5	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.5	Once established, the OEPOC will conduct a briefing for their respective groups on the OE action plan and the role of the OEPOC.		Assessment	3Q03		3Q03	Briefing documented.

tTrack IDs CA031759

Resource	# Persons	Hrs Per Person	Comments
300010 3005	1	5	
300020 3005	1	5	
300030 3005	1	5	
300130 3004	1	5	
300140 3005	1	5	
300150 3004	1	5	
300160 3004	1	5	
300170 3004	1	5	
300210 3004	1	5	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.6	Conduct an assessment of the use of Operating Experience in the development of Maintenance work plans.		Maintenance Programs & Facilities	2Q03		3Q03	Copy of the Assessment Report.

tTrack IDs CA030602

Resource	# Persons		Comments
300050 3009	3	8	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.7	Revise NP 10.2.1, 10.2.2 and 10.2.4 to require planners to search for and use OE in the work plans		Production Planning	3Q03		1Q04	Revised and issued NP 10.2.1, NP10.2.2, NP10.2.4

tTrack IDs CA030603

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Resource	# Persons	Hrs Per Person	Comments
300040 3004	1	90	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.8	Brief the planners on the new stands work packages.	ds for	Maintenance Programs & Facilities	1Q04		1Q04	Briefing documented.
		tTrack IDs CA030604					
		Resource #P	ersons. Hrs P	er Person		Comments	
		300050 3005	1	8		7. (c) - 1.	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.9	Develop an OE website.	tTrack IDs OTH028689	Assessment	3Q03		1Q04	Accessible OE web page
		Resource # P	ersons Hrs P	er Person		Comments	
		662LTECH	1	90			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.10	Implement a structured process for a and disseminating OE for major work activities.	acquiring k week	Assessment	4Q03		1Q04	Documented procedure or guideline.
		tTrack IDs CA030605					
		Resource # P		er Person		Comments	
		300380 3005	1	5			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.11	Assess the effectiveness of the use the DPM and POD.	of OE at	Assessment	1Q04		1Q04	Documented assessment.
		tTrack IDs CA030606					
			ersons Hrs P	er Person		Comments	
		300380 3005		40			

Number	Action Step	Action Str Owner	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.12	Improve the software interface to INPC newsgroups.		Business I/T Support & Infrastructures	3Q03		4Q03	Completed Software Work Reque
	•	Track IDs CA030607					
		Resource	# Persons Hrs	Per Person		Comments	
		300220 3008	1	60			
Number	Action Step	Action Str Owner	ep Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.13	Conduct an assessment of the use of Operating Experience in the conduct of Maintenance pre-job briefings.	,	Maintenance Programs & Facilities	2Q03		3Q03	Assessment report
	1	Track IDs CA030608					
		Resource	#Persons Hrs	Per Person		Comments	
		300050 3009	3	8			
Number	Action Step	Action Ste Owner	ep Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.14	Develop and implement procedural gui ensure that significant SOERs are livin documents that are systematically revi	g	Assessment	4Q03		1Q04	Revised procedure.
	1	Track IDs CA030610					
		Resource	# Persons Hrs	Per Person		Comments	
		300380 3005	1	40		A CONTRACTOR OF THE STATE OF TH	
Number	Action Step	Action Str Owner	op Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.15	Eliminate the use of two different databases the tracking of OE.	ases for	Assessment	2Q03		3Q03	Open OE is available in t-Track.
	-	Track IDs CA030611					

Resource	# Persons	Hrs Per Person	Comments
300220 3008	1	120	
300380 3005	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.16	Develop and implement a communic	ation plan.	Assessment	4Q03		4Q03	Documented Communication Plan
		tTrack IDs CA030612					
		Resource # F	ersons Hrs F	Per Person .		Comments	
	1	300380 3005	1	25			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.17	Generate a Request for Training (RF evaluate OEPOC training and end us		Assessment	1Q04		1Q04	Completed RFT
	•	tTrack IDs CA030613					
		Resource #F	Persons Hrs F	Per Person		Comments	
		300380 3005	1	5	**************************************		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.18	Revise the RCE guide to ensure we sapplicable OE out to the industry	send	Assessment	4Q03		4Q03	Revised guide.
		tTrack IDs CA030614					
		Resource #F	ersons Hrs F	er Person		, Comments	
		300380 3005	1	5			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-010.19	Conduct an effectiveness review.		Assessment	2Q04		2Q04	Documented effectiveness review
		tTrack IDs CA030615					
		Resource #F	Persons : 👍 Hrs F	er Person		Comments.	
		300380 3005	3	40	Processing of the said for Annual Control	Barrell Commencer Co	6 C.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp D	ate Due Date	Deliverable
OP-10-010.20	Develop a performance indicator which measures evaluation quality.		Assessment	4Q03	1Q04	Documented performance indicator and requirements for monitoring.

Resource	Persons	Hrs Per Person	Connents
300380 3005	1	20	

OP

Priority

2 3C 6C

CAP# 033342

Focus Area:

Corrective Action Program (CAP)

Action Plan Title:

Improve Effectiveness of Self Assessments

Action Plan Number:

OP-10-011

Resp Group:

Assessment

Focus Area Owner:

Problem Statement:

Important elements of the continuous performance improvement process are not effective in driving needed station improvement.

Causal Factors:

1 Benchmarking has been over-reliant on informal comparisons with other NMC facilities.

2 Management and group observations are fragmented and not analyzed to detect or prevent adverse trends.

3 Self-assessments are often not performed as scheduled and do not take full advantage of industry peers.

Objectives:

1 Benchmarking is conducted in formal, systematic methods against industry top-performers.

2 Data from the job observation program is analyzed and disseminated to detect and prevent adverse trends.

3 Quality, focused self-assessments are routinely conducted.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.1	Create a change management plan to implement this plan.		Assessment	3Q03		4Q03	Approved Change Management Plan.

- 1	Resource		Hrs Per Person	Comments
	300380 3005	1	20	

Number	Action Step		on Step wner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.2	Validate the scope of this action plan conducting a self assessment of our continuous improvement efforts.			Assessment	3Q03		3Q03	Documented assessment report.
		tTrack IDs CA030	075					
		Resource		Persons Hrs	Per Person		Comments	
		300140 3007		1	40	**************************************		<u> </u>
		300380 3005		1	40			
Number	Action Step		on Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.2.A	Following validation of the scope, revisaction plan if appropriate.		Wher	Assessment	3Q03		3Q03	Revised action plan if required.
		tTrack IDs						
		Resource		Persons Hrs	Per Person		Comments	
		300380 3005		1	10			
Number	Action Step		on Step wner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-011.3	Improve the job observation process.			Assessment	2Q03		2Q04	No deliverable required. This is high level step to capture action steps associated with Job Observation Process Improvements.
		tTrack IDs						•
		Resource	#1	Persona Hrs	Per Person		Comments	
		No resources assi	gned.					
Number	Action Step		on Step wner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-011.3.A	Revise NP 13.3.1 to define standards, expectations, trending, and reporting observations.			Assessment	3Q03		4Q03	Revised NP 13.3.1.
	1	tTrack IDs CA028	604					
		Resource	#1	Persons Hrs	Per Person		Comments	
		300380 3005		1	10			

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.3.B	Revise NP 13.2.1 as necessary in parevision to NP 13.3.1.	rallel with	Assessment	3Q03		4Q03	Revised NP 13.2.1.
		tTrack IDs CA030618					
		Resource #1	Persons Hrs P	er Person		Comments	
		300380 3005	1	10			

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.3.C	Implement PACE database for job observation processes. Specific details are documented in Change Management Plan 2003-10.		Business I/T Support & Infrastructures	2Q03		4Q03	Useable common database on PBNP LAN.

tTrack IDs CA028603

Resource	# Persons	Hrs Per Perso	on Comments
300010 3005	1	40	
300020 3007	1	40	
300030 3005	1	40	
300050 3005	1	40	
300220 3008	1	40	
300380 3005	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp	Date Due Date	Deliverable
OP-10-011.3.D	Perform an effectiveness review of site leadership observation programs.		Assessment	1Q04	2Q04	Documented effectiveness review.

Résource	# Persons	Hrs Per Person	Comments	
300380 3005	1	20		

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.3.E	Develop Change Management Plan f implementation.	or PACE	Assessment	2Q03		3Q03	Approved Change Management Plan.
		tTrack IDs CA030227					
		Resource #	Persons :: Hrs	Per Person.		Comments	
		300220 3008	1	40			
		300380 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.4	Improve the benchmarking process.		Assessment	2Q03		2Q04	No deliverable required. This is a high level step to capture action steps associated with Benchmarking Process Improvements.
		tTrack !Ds					·
		Resource #	Persons Hrs	Per Person		Comments	
		No resources assigned.					<u> </u>
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.4.A	Develop a benchmarking procedure.	· · · · · · · · · · · · · · · · · · ·	Assessment	4Q03		1Q04	Issued procedure.
		tTrack IDs CA028607 CA02	28465				
				Per Person		Comments	
		300380 3005	1	10			
		<u></u>					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.4.B	Develop a performance indicator for benchmarking.		Assessment	4Q03		1Q04	Approved Performance Indicator.
		tTrack IDs CA030619					
		Resource	Persons Hrs.	Per Person		Comments	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.4.C	Perform benchmarking effective	eness review.	Assessment	2Q03		2Q04	Documented effectiveness revie
		tTrack IDs CA028465					
		Resource	Persons Hrs	Per Person		Comments	
		300380 3005	1	20			
Number	Action St o p	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.4.D	Revise NP 13.1.1 to eliminate in trip report for benchmarking sin benchmarking report is required	ice	Assessment	2Q03	• 11	2Q04	NP 13.1.1 revision
		tTrack IDs CA030621					
				Per Person		Comments	
		300380 3005	1	10			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
DP-10-011.5	Improve the focused self asses	sment process.	Assessment	2Q03		2Q04	No deliverable required. This is high level step to capture action steps associated with Self Assessment Process Improvements.
		tTrack IDs					·
		Resource	Persons Hrs	Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.5.A	Revise NP 13.1.1 to include ad the conduct of self assessment		Assessment	4Q03		1Q04	NP 13.1.1 revision.
		tTrack IDs CA028605					
		Resource	College and a service of the service of the contract of the co	Per Person		Comments	
		300380 3005		40	The second of the second of the	24 C 18 T 19 C 19	15.00 To 10.00 Sept. 15.00

Number	Action Step	Action Ste	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.5.B	Revise AM 3-6 to reflect changes to I assessment philosophy, if needed.	PB self-	Assessment	2Q03		2Q04	AM 3-6 revision if needed.
		tTrack IDs CA030622					
		Resource	# Persons Hrs	Per Person		Comments	
		300380 3005	1	20			
Number	Action Step	Action Ste Owner	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.5.C	Implement NMC SnapShot self-asser process.	ssment	Assessment	2Q03		3Q03	Procedure issued for performir snapshot self-assessments.
		tTrack IDs CA030623					
		Resource	# Persons Hrs	Per Person		Comments	
		300380 3005	1	20			
Number	Action Step	Action Ste Owner	o Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-10-011.5.D	Proceduralize PB Quarterly Effective Review guideline.	ness	Assessment	4Q03		2Q04	Procedure issued for performing quarterly effectiveness reviews
		tTrack IDs CA030626					
		Resource	# Persons : Hrs	Per Person		Comments	
		300380 3005	1	40			
Number	Action Step	Action Ste	p Owner Group	Start Date	Comp Date	Due Date	Deliverable
	Action Step Reinforce procedural requirements for assessments.	Owner	Owner Group Assessment	Start Date	Comp Date	Due Date 3Q03	Deliverable Memo issued.
	Reinforce procedural requirements for	Owner r self tTrack IDs CA030627	Assessment	2Q03	Comp Date	3Q03	
Number DP-10-011.5.E	Reinforce procedural requirements for	Owner r self tTrack IDs CA030627 Resource	Assessment		Comp Date		

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Number	Action Step	Action Ste	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.5.F	Develop a process for CARB review ar grading of completed self-assessment		Assessment	1Q04		2Q04	. Documented process.
		tTrack IDs CA030635					
		Resource	#Persons : Hrs	Per Person		Comments	
		300380 3005	2	60	\$78500,815000 (GAT 1865)		
Number	Action Step	Action Ste	o Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6	Maintenance Self Assessment Improve	ements.	Maintenance	1Q03		3Q03	No deliverable required. This is a high level step to capture action steps associated with Maintenance Self Assessment Improvements.
		tTrack IDs					
		Resource	#Persons / LHrs	Per Person		Comments	
		No resources assigned.			**. T\$ 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
Number	Action Step	Action Ste	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6.A	Assign a Maintenance Self-Assessmer Coordinator	nt	Maintenance Programs & Facilities	2Q03	16-Jun-03	2Q03	A copy of the notification to the individual assigned and to the organization, which identifies the reporting relationships, and the roles and responsibilities of the Coordinator.
		tTrack IDs CA030628					
		Resource /	#Persons Hrs	Per Person		Comments	
		300050 3009	1	4			The state of the s
Number	Action Step	Action Ste	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6.B	Establish and publish the criteria for se topics for Maintenance Self-Assessme		Maintenance Programs & Facilities	2Q03	07-Jul-03	2Q03	Copy of the selection criteria.
		Track IDs CA030629					

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		# Persons	At the section beat the service in the service	Comments
ſ	300050 3009	1	6	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6.C	Incorporate the Maintenance Self-A Program in the Conduct of Maintena Manual.		Maintenance	3Q03		4Q03	Copy of the applicable section(s) the "Conduct of Maintenance Manual".
		tTrack IDs CA030630					
		Resource	Persons Hrs	Per Person		Comments	
		300050 3009	1	8			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6.D	Establish a three year Maintenance Assessment Plan and Schedule.	Self-	Maintenance Programs & Facilities	2Q03	08-Jul-03	3Q03	Copy of the Plan and Schedule.
		tTrack IDs CA030632					
		Resource #	Persons Hrs	Per Person		Comments	
		300050 3009	1	6	The Second Secon		San
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.6.E	Integrate results of Self Assessmen Maintenance Quarterly Reports (QE ensure that the QER are used to ref assessment plan and schedule. Inc the Conduct of Maintenance Manua	ts into the R) and ine the dude this in	Maintenance	3Q03		4Q03	A copy of the applicable section(s of the "Conduct of Maintenance Manual".
		tTrack IDs CA030634					
		Resource #	Persons Hrs	Per Person		Comments	
		300050 3009	1	8		ZXX - XX	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.7	Implement a site wide integrated as reporting process.	sessment	Nuclear Oversight	1Q03		3Q04	Process implemented as required by OR-02-001.6.
		tTrack IDs CA030273					
			DARGON CONTRACTOR OF THE PRODUCT OF THE	CONTRACTOR AND	ARTON AND AND AND AND AND AND AND AND AND AN	Elifa Baratan de Carata Armania de Carata de C	
		Resource #	Persons Hrs I	Per Person		Comments	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.8	Establish an expectation that manag the key performance indicators with departments on a monthly basis.		Plant Manager	1Q03	03-Apr-03	2Q03	Plant Manager expectations conveyed at POD and 2C's meetings.
		tTrack IDs CA028606					·
		, Resource # P	ersons 👫 Hrs P	er Person		Comments	
		No resources assigned.			<u> </u>		
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-10-011.9	Conduct an effectiveness review of t	he	Assessment	3Q04		4Q04	Completed Effectiveness Review

tTrack IDs EFR030637

Resource	# Persons	Hrs Per Person	Comments)
300380 3005	2	60	

OP

Priority

2 3C 3B

CAP # 033363

Focus Area:

Technical Procedure Quality

Action Plan Title:

Improve quality of technical procedures

Action Plan Number.

OP-12-001

Resp Group:

Business Procedures

Focus Area Owner:

Problem Statement:

Performance errors and job delays are attributed to usability of technical procedures.

Causal Factors:

- 1 Large backlog of requested procedures changes exist in Operations and Maintenance.
- 2 Inattention to detail during performance of procedure reviews for new and revised procedures have resulted in procedure performance issues.
- 3 Lack of understanding of procedure writers' guide requirements results in procedures that are not user-friendly and that contain human error traps.
- 4 Lack of understanding of procedure revision/change processes makes incorporating requested changes very time consuming and difficult.
- 5 Large number of procedure revisions/changes per year makes it difficult to keep up with the changes to assure proper understanding of technical procedure requirements

Objectives:

- 1 Reduce backlogs of requested procedure changes.
- 2 Improve quality of procedure reviews during development process.
- 3 Improve awareness of writers' guide requirements and procedure change processes.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-12-001.1	Perform a Site Procedures Assessment to validate the concerns identified in the Problem Statement and to ensure no other problems exist by developing corrective actions based on findings from the assessment.		Business Procedures	2Q03	3Q03	Completed self-assessment.

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	2	60	
300020 3005	1	50	
300050 3005	1	50	
300140 3007	1	50	
300210 3004	1	40	
300210 3008	1	40	

Revision 1

300210 3009	1	60	Ì	
		<u> </u>		

Number	Action Step	Action Step Owner_	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.2	Incorporate or remove outstanding temporary changes >180 days old against I&C Procedures except for those specifically required for existing plant conditions.		Maintenance I&C	2Q03		3Q03	Temporary change database report.

tTrack IDs CA030706

Resource	# Persons 🕠	Hrs Per Person	Comments
300050 3008	1	80	
300320 3005	2	10	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.3	Incorporate or remove outstanding temporary changes >180 days old against Maintenance Procedures except for those specifically required for existing plant conditions.		Maintenance Services	2Q03	12-Jul-03	3Q03	Temporary change database report.

tTrack IDs CA030707

Resource	#Persons	Hrs Per Person	Comments
300050 3005	1	10	
300050 3008	1	60	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.4	Provide briefings for Operations and Maintenance procedure writers to ensure process and writers' guide requirements are		Business Procedures	3Q03		3Q03	Copy of Information Sharing Sheets.

tTrack IDs CA030708

Resource	# Persons	Hrs Per Person	Comments
300210 3009	1	32	

understood

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.5	Provide each crew and operations stands of existing feedbacks on their associates responsible procedures. Place copie feedbacks into binders, one for each crew and one additional for staff revisindividual crew/staff teams to review validity, duplication, accuracy, sufficient and of the correct priority.	ated is of these operating ew for the for	Operations	2Q03	27-Jun-03	2Q03	Cover page with instructions for each of the seven binders and an email from step owner.
		tTrack IDs CA030709					
		Resource	#Persons Hrs	Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
							A Cotton of ADDIADD Donor donor
OP-12-001.6	Reduce the procedure feedback back procedure ARB/ARP, dated prior to 1 less than 20 feedbacks.	/1/03 to	Operations	2Q03		1Q04	A listing of ARP/ARB Procedures feedbacks dated prior to 1/1/03
OP-12-001.6	procedure ARB/ARP, dated prior to 1	/1/03 to tTrack IDs CA030711		2Q03		1Q04	
OP-12-001.6	procedure ARB/ARP, dated prior to 1	/1/03 to tTrack IDs CA030711					
OP-12-001.6 Number	procedure ARB/ARP, dated prior to 1	/1/03 to tTrack IDs CA030711 Resource	# Persons Hrs 1	Per Person	Comp Date		
	procedure ARB/ARP, dated prior to 1 less than 20 feedbacks.	/1/03 to tTrack IDs CA030711 Resource 300020 3005 Action Sterence Owner of sider if te,	# Persons Hrs 2	Per Person:	Comp Date	Comments	feedbacks dated prior to 1/1/03
Number	Action Step Crew/staff representatives conduct a evaluation of the crew specific binder feedbacks. This evaluation shall con feedback is valid, duplicated, accurate	/1/03 to tTrack IDs CA030711 Resource 300020 3005 Action Sterence Owner of sider if te,	2 Owner Group Operations	Per Person: 200 Start Date 3Q03		Due Date	Deliverable A listing of feedbacks evaluated.
Number	Action Step Crew/staff representatives conduct a evaluation of the crew specific binder feedbacks. This evaluation shall con feedback is valid, duplicated, accurate	Track IDs CA030711 Resource 300020 3005 Action Step Owner n of sider if te, ority.	Persons 2 Owner Group Operations A031626 CA031627 C	Per Person: 200 Start Date 3Q03		Due Date	Deliverable A listing of feedbacks evaluated.

Effective Date: 7-11-03

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Revision 1

Number	Action Step	Action Own		Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.8	Create milestones and work priorities to support crew priorities and backlog redu The Procedures Group will obtain Opera Managers concurrence with these miles	ction. Itions	Oper	ations	1Q04		1Q04	Milestones are approved by Operations Manager.
	វា	Frack IDs CA03071	8					
		Resource	# Persons	Hrs P	er Person		Comments	Sure Sure Sure Sure Sure Sure Sure Sure
		300020 3005	2		10			
		300020 3009	1		2			
Number	Action Step	Action Own		Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.9	Assign a craft owner for each Maintenar Procedure.	ice	Mainte Mech	nance anical	2Q03		3Q03	A copy of the owner list.
	វា	rack IDs CA03072	2					•
		Resource	# Persons		er Person		Comments	
		300050 3005	2		12			
		300050 3009	2		12			
Number	Action Step							
	Action 5tep	Action Own		Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.10	Provide each craft owner a copy of exist feedbacks on their assigned procedures Place copies of these feedbacks assign each craft owner into folders for the indicowners for review.	Owr ting ed to	n or Mainte	Group mance anical	Start Date	Comp Date	Due Date 3Q03	A copy of the document of transmittal of the folders to each of the craft owners.
DP-12-001.10	Provide each craft owner a copy of existeedbacks on their assigned procedures Place copies of these feedbacks assigned craft owner into folders for the indicovners for review.	Owr ting ed to	Mainte Mech	nance		Comp Date		A copy of the document of transmittal of the folders to each of
OP-12-001.10	Provide each craft owner a copy of existeedbacks on their assigned procedures Place copies of these feedbacks assigned craft owner into folders for the indicovners for review.	ting ed to vidual	Mainte Mech	nance anical		Comp Date		A copy of the document of transmittal of the folders to each of the craft owners.
OP-12-001.10	Provide each craft owner a copy of existeedbacks on their assigned procedures Place copies of these feedbacks assigned craft owner into folders for the indicovners for review.	Own ting ed to vidual	Mainte Meci 4	nance anical	3Q03	Comp Date	3Q03	A copy of the document of transmittal of the folders to each of the craft owners.

300050 3009

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-12-001.11	Craft owners conduct an evaluation of feedbacks for assigned procedures. This evaluation shall consider if feedback is valid, duplicated, accurate, sufficiently detailed and correctly prioritized.		Maintenance Services	3Q03		1Q04	A report of the feedback reviews identifying actions taken.

tTrack IDs CA030725

Resource	# Persons	Hrs Per Person	Comments
655LELEC	6	20	
655LINST	6	20	
655LMECH	6	20	
300050 3005	2	12	
300050 3008	3	20	
300050 3009	1	4	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp	Date Due Date	Deliverable
OP-12-001.12	Following completion of the craft owner evaluations, create milestones and work priorities to support crew priorities and backlog reduction. Maintenance Services will obtain Maintenance Manager's concurrence with the		Maintenance Services	1Q04	1Q04	A copy of the maintenance procedure backlog reduction work-off rate and milestones.

tTrack IDs CA030727

milestones and work-off rate.

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Resource	# Persons	Hrs Per Person	Comments
300050 3005	2	4	
300050 3008	3	8	
300050 3009	1	4	

Number	Action Stop	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable	
OP-12-001.13	Perform effectiveness review.		Business	3Q04	3Q04	Effectiveness review report.	

tTrack IDs EFR030729

Resource	#Persons	Hrs Per Person	Comments
300020 3005	1	20	

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OP

Priority

2 3C 3F

CAP # 033366

Focus Area:

Operationally Focused

Action Plan Title:

Time Validation of Service Water Manual Actions

Action Plan Number.

OP-13-009

Resp Group:

Engineering Design

Focus Area Owner:

Problem Statement:

Some licensing basis references to the capability to manually switch Auxiliary Feed Water (AFW) supply from the Condensate Storage Tank (CST) to service water may not have been time validated.

Causal Factors:

1 Failure to consider the integration of AFW system design and accident progression

Objectives:

1 Service Water manual operator actions required by licensing basis are time validated if required and reflected in procedures appropriately.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-13-009.1	 Validate issue and determine extent of condition. 		Engineering Programs – Long Term	2Q03	30-May-03	2Q03	Documented condition evaluation and corrective actions identified and assigned.
	2) Develop plan to resolve issue.		Programs				

tTrack IDs CE011579

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-13-009.2	Revise FSAR (and applicable procedures, if required) to incorporate findings of CE11579 validation.		Engineering Programs – Long Term Programs	1Q04	1Q04	Approved FSAR Change Request

	Resource	# Persons	Hrs Per Person	Comments
ſ	300160 3004	2	16	

Revision 1

Number	Action Step		Action Step Owner	Owner Gr	oup Start Date	Comp Date	Due Date	Deliverable
OP-13-009.3	Perform an Effectiveness Review			Engineeri Program: Long Tel Program	m		4Q03	Effectiveness Review Report
		tTrack IDs EF	R030728					
		Resource	# /	Persons	Hrs Per Person		Comments	
		300160 30	04	2	30			
Number	Action Step	ı	Action Step Owner	Owner Gr	oup Start Date	Comp Date	Due Date	Deliverable
P-13-009.4	Determine and document commitment to NRC regarding AFW switchover water.			Regulato Affairs - Licensir	•		3Q03	Commitments documented and provided to OP-13-009.2 step owner.
		tTrack IDs CA	029366					
		Resource	9 # F	ersons	Hrs Per Person		Comments	
		No resources	assigned.		1	Takan Amerikan Maria		
Number	Action Step		Action Step Owner	Owner Gr	oup Start Date	Comp Date	Due Date	Deliverable
P-13-009.5	Revise Advent calculation for spurio operation of TDAFW steam line val operator timing to supply SW to bea	ve and		Engineeri Programs Long Tei Program	s – m		1Q04	Revised calculation
		tTrack IDs CA	029703					
		Resource		ersons .	Hrs Per Person		Comments	
		POST COL		Y 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N. *** N. W. N. S. S. ***		7 . M. W.	

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OP

Priority

1 3C 3B

CAP # 033370

Focus Area:

Configuration Management (CM)

Action Plan Title:

Improve the Configuration Management Program

Action Plan Number:

OP-14-001

Resp Group:

Engineering Design Configuration Management (and Q-List items)

Focus Area Owner:

Problem Statement:

Sufficient engineering resources were not dedicated to updating the plant configuration documentation.

Causal Factors:

1 Lack of focus and ownership of configuration management processes.

Objectives:

- 1 The configuration Management Group is staffed.
- 2 NMC Fleet modification closeout standards are implemented.
- 3 Guidelines and procedures to improve configuration management are implemented.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.1	Select design supervisor for new configuration management group		Engineering Design		23-May-03		Organization Chart showing K. Holt as Engineering Design Configuration Management Supervisor

tTrack IDs CA030736

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100 St. 100 St		
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No resources assigned.

Revision 1

Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.2	Develop Charter for new Configuration Management Group	n		Engineering Design Configuration Management (and Q-List items)		06-Jun-03		Completed charter document
		tTrack IDs	CA030736					
		Reso	urce # I	Persons Hrs P	er Person		Comments	
		No resource	ces assigned.				<u>, , , , , , , , , , , , , , , , , , , </u>	
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverab le
OP-14-001.3	Perform initial scope review of outstatissues	nding		Engineering Design	2Q03	06-Jun-03	3Q03	Document findings of scope review
		tTrack IDs	CA030739					
		Reso	urce - # f	Persons Hrs P	er Person		Comments	
		300170	3005	1	16			
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.4	Perform benchmarking trip of industry	y leader		Engineering Design Configuration Management (and Q-List items)		27-Mar-03		Benchmarking Trip report, CAP032374
		tTrack IDs	CA030790	•				
		Reso	urce . *1	Persons Hrs P	er Person		Comments	
		No resource	ces assigned.		A			

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.5	Benchmark NMC Fleet processes		Engineering Design Configuration Management (and Q-List	2Q03		3Q03	Benchmarking report
	•		items)			•	
		tTrack IDs CA030740 CA03	0790				
		Resource # P	Persons Hrs F	er Person		Comments	
		300170 3005	2	16			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.6	Finalize scope of program		Engineering Design			4Q03	Issue scope document
		tTrack IDs CA030743	-				
			ersons Hrs.P	Comments			
		300170 3009	1	40			
							
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.7	Finalize Resource requirements		Engineering Design			4Q03	Documented staffing requirement
		tTrack IDs CA030743	-				
		Resource #P	ersons 👙 Hrs F	er Person		Comments	
		300170 3009	1	8	^ /:-		
Number	Action Step	Action Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.8	Obtain funding approval	Owner	Engineering Design			3Q04	Funding approval obtained
		tTrack IDs CA030745	Doorgii				
		Resource #P		er Person.		Comments	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.9	Complete staffing additional FTEs	(objective 1)	Engineering Design			4Q04	Organization Chart depicting assignment of individuals to CM group
		tTrack IDs CA030746					
		Resource #	Persons Hrs.F	er Person		Comments	
		300170 3005	1	24			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.10	Implement Configuration Manager Program that addresses CM proce weaknesses, group functions and	955	Engineering Design			1Q04	CM Program Document
		tTrack IDs CA032094					
		Resource #	Persons Hrs F	er Person		Comments	
	•	300170 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deli verable
OP-14-001.11	Implement fleet standards for mod closeout (objective 2).	ification	Engineering Design			2Q04	Established time limit for closeout Revised design change procedure Established performance indicato in monthly Management Review Mtg.
		tTrack IDs CA030747					
		Resource 👉 #	Persons Hrs P	er Person.		Comments	
							· · · · · · · · · · · · · · · · · · ·
		300170 3005	1	24			
Number	Action Stop	300170 3005 Action Step Owner	1 Owner Group	Start Date	Comp Date	Due Date	Deliverable
	Action Step Interim Effectiveness Review	Action Step			Comp Date	Due Date	
Number OP-14-001.12		Action Step	Owner Group Engineering		Comp Date		
		Action Step Owner tTrack IDs EFR030748	Owner Group Engineering Design		Comp Date		Documented Effectiveness Review

300170 3009

24

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.13	Indentify all procedures and processes affecting configuration management and design documentation.		Engineering Design	2Q03		4Q03	List of procedures and processes needing revision.
	tT	rack IDs CA030791					
		Resource #	Persons Hrs I	Per Person		Comments	
	İ	300170 3005	1	40			
	Ĭ	300170 3009	1	40			
Number	Action Step	Action St op Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
P-14-001.14	Identify resources and scope necessary revise and develop procedures.	to	Engineering Design	3Q03		4Q03	List of resources and scope.
	A**	rack IDs CA030794					
	Ti .	rack IDS CAUSU194					
				Per Person		Comments	
		Resource #		Per Person			
		/Resource #					
Number	Action Step	Resource #	1	16	Comp Date		Deliverable
Number P-14-001.15		Resource # 300170 3005 300170 3009 Action Step Owner	1 1	16 16	Comp Date		
	Action Step Develop specific performance indicators, standards, or health reports for design engineering programs including calculations set point control, vendor manuals, and planalysis.	Resource # 300170 3005 300170 3009 Action Step Owner	1 1 Owner Group Engineering	16 16 Start Date	Comp Date	Due Date	Deliverable

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Resource	# Persons	Hrs Per Person	Comments
CONTSRVS	2	80	
300170 3005	1	40	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.16	Based upon identified scope and resources, revise and develop procedures.		Engineering Design	4Q03		2Q05	Issued new/revised procedures.

tTrack IDs CA030796

Resource	#Persons	Hrs Per Person	Comments
CONTSRVS	2	320	
300170 3004	1	160	
300170 3005	1	160	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-001.17	Final Effectiveness Review		Engineering Design	4Q04		4Q05	Documented Effectiveness Review.

tTrack IDs EFR030798

Resource	# Persons	Hrs Per Person	Comments
300170 3005	1	24	
300170 3009	1	24	

OP

Priority

1 3C 3B

CAP # 033378

Focus Area:

Configuration Management (CM)

Action Plan Title:

Validate Design Bases for High Risk Systems

Action Plan Number:

OP-14-003

Resp Group:

Engineering
Design
Configuration
Management
(and Q-List
items)

Focus Area Owner:

Problem Statement:

Design Basis documents need to be updated to reflect the current plant configuration.

Causal Factors:

- 1 Management oversight of the DBD program was not sufficient.
- 2 Some of the original plant setpoint analysis are not well documented.

Objectives:

1 The selected DBDs for higher risk systems are updated and validated.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date Co	omp Date	Due Date	Deliverable
OP-14-003.1	Select 5 to 8 of the most risk significant system DBDs, (this will cover systems that have 50 to 80% of the CDF). The following seven systems were selected: AF, SW, FP, DG, CC, 480V, and 13.8KV.		Engineering Design Configuration Management (and Q-List items)	22	22-May-03		List of Selected DBD's

tTrack IDs CA030767

Resource # Persons Hrs Per Person Comments	

No resources assigned.

Revision 1

Number	Action Step	Actior Ow	•	Owner Gro	oup Start	Date	Comp Date	Due Date	Deliverable
OP-14-003.2	Assign ownership to the selected DBD's Design Engineering.	within		Engineeri Design		03	11-Jul-03	4Q03	Action accomplished via Action Plan Step OP-14-002.2. This item closed to avoid duplication.
	tTi	rack IDs							
		Resource	, #Po	ersons	Hrs Per Perso	n°		Comments	
	Ī	No resources assign	ned.						······································
Number	Action Step	Action Ow	•	Owner Gro	oup Start	Date	Comp Date	Due Date	Deliverable
OP-14-003.3	Revise and implement NP 7.7.3, "Design Document Creation, Revision, and Maintenance" and DG-G10, "Design Basi Document Writer's Guide" to support vali and streamlining of the subject DBD's.	is		Engineeri Design Configurat Managem (and Q-Li items)	on ent	03		4Q04	Issuance of NP 7.7.3 and DG-G10
	m	rack IDs CA03076	37						
		Resource	#P	ersons	Hrs Per Perso	n ,		Comments	
		CONTSRVS		2	160	Cor	ntract Services	X	
	[300170 3005		1	80				
Number	Action Step	Actior Ow		Owner Gro	oup Start	Date	Comp Date	Due Date	Deliverable
OP-14-003.4	Implement validation plan and process for performing validation, performing revision identifying open items and entering them the CAP system.	rs, and		Engineeri Design Configurat Managem (and Q-Li items)	on ent	03		1Q05	Validation Guideline
	tт	rack IDs CA03076	58						
	_	The second secon		ertekkelen och manetaletter i		Sala de Carlo		w/ taken and the best	
		Resource		rsons	Hrs Per Perso	n] .		Comments	

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Number	Action Step	Α	ction Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-003.5	Develop resource requirer schedule based on comple 2 year interval.			Engineering Design	2Q04		3Q05	Document schedule
		tTrack IDs CA	030769					
		Resource		Persons Hrs	Per Person		Comments	
	·	300170 300		1	16			<u> </u>
Number	Action Step	A	ction Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-003.6	Validate Design Basis (inc other design basis informa			Engineering Design Configuration Management (and Q-List items)	3Q04		3Q06	Updated Validated DBDs
		tTrack IDs CAC	30770					
		Resource	#1	Persons Hrs	Per Person		Comments	
		CONTPRO)	3	600			
		300170 300)4	4	600			
		300170 300	-		200			

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-003.7	Effectiveness Review. Establish perior reviews as part of the self assessment plan.		Engineering Design	3Q06		4Q06	Incorporated into station Self- Assessment Plan.

tTrack IDs EFR030771

Resource	# Persons	Hrs Per Person	Comments
300170 3005	1	24	
300170 3009	1	24	

OP

Priority

2 3C 3B

CAP# 033381

Focus Area:

Configuration Management (CM)

Action Plan Title:

Validate and integrate calculations and setpoints

Action Plan Number.

OP-14-005

Resp Group:

Engineering Design Configuration Management (and Q-List items)

Focus Area Owner:

Problem Statement:

Some setpoints do not have a clear and retrievable design basis.

Causal Factors:

- 1 Lack of available original Westinghouse or Bechtel analyses.
- 2 Failure to dedicate resources to creation of necessary calculations.
- 3 Lack of useful cross-reference for equipment, setpoints, calculations, and procedures.

Objectives:

- 1 Cross-reference for setpoints, calculations, and procedures that meet industry standards.
- 2 Adequate bases for all safety related setpoints.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable	
OP-14-005.1	Issue generic validation plan		Engineering Design	2Q03	10-Jul-03	3Q03	validation plan	

Resource	# Persons	Hrs Per Person	'Comments.
300170 3005	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-005.2	Develop resource requirements and n schedule based on completion of work		Engineering Design	2Q03		3Q03	Issued schedule
		tTrack IDs CA030785					
		Resource #	Persons Hira P	er Person		Comments	
		300170 3005	1	16			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-005.3	Perform a statistical sample of the cal to determine the extent of condition as quantify the scope of work.		Engineering Design	1Q04		3Q04	Status report and adjusted schedule.
	1						
	,	tTrack IDs CA030786					
	,		Persons - Hrs P	er Person		Comments	
	,		Persons : Hrs P	er Person 80		Comments	
Number	Action St e p	Resource		25. vily 9 5 5 5 4 5 7	Comp Date	Comments	Deliverable
Number 0P-14-005.4		Resource # I CONTSRVS Action Step Owner	2	80	Comp Date		Deliverable
	Action Step	Resource # I CONTSRVS Action Step Owner	2 Owner Group Engineering Design Configuration Management (and Q-List	80 Start Date	Comp Date	Due Date	Deliverable Approved calculations (Resource loading to be determined by
	Action Step	CONTSRVS Action Step Owner uired. tTrack IDs CA030787	Owner Group Engineering Design Configuration Management (and Q-List items)	80 Start Date	Comp Date	Due Date	Deliverable Approved calculations (Resource loading to be determined by

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-005.5	Develop cross-reference for setpoints, calculations, and procedures in EDMS.		Engineering Design Configuration Management (and Q-List items)	-		3Q05	Cross Reference
	tTrack i	Ds CA031972					

Resource	Street and Carlotte Street, mark of the care of the second	Hrs Per Person	Comments
CONTSRVS	2	200	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable	
OP-14-005.6	Effectiveness Review		Engineering Design	2Q06	3Q06	Assessment Report	

tTrack IDs EFR030788

Resource	# Persons	-Hrs Per Person	Comments
300170 3005	1	24	
300170 3009	1	24	

OP

Priority

2 3C 3B

CAP # 033416

Focus Area:

Configuration Management (CM)

Action Plan Title:

Update Vendor Technical Information Program (VTIP)

Action Plan Number:

OP-14-007

Resp Group:

Engineering
Design
Configuration

Configuration Management (and Q-List items)

Focus Area Owner:

Problem Statement:

The Vendor Technical information program (VTIP) does not meet industry standards.

Causal Factors:

1 Lack of ownership of the Vendor Technical Information program.

Objectives:

- 1 The VTIP program responsibilities assigned to Configuration Manangement Group.
- 2 Procedure revisions which strengthen execution of the VTIP program.

Action Steps;

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.1	Establish process ownership and procedures		Engineering Design		23-May-03		Procedures NP 7.2.13 and NP 7.2.14 have been approved and issued. Ownership of VTIP is with Engineering Design Configuration Management group.

tTrack IDs CA030936

Resource # Persons Hrs Per Person Comments
--

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.2	Identify resources necessary to support the vendor technical information program		Engineering Design	2Q03		4Q03	Identification of personnel

Resource	# Persons	Hrs Per Person	Comments
300170 3009	1	16	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.3	Assign resources to configurati group	on management	Engineering Design Configuration Management (and Q-List items)	3Q03		1Q05	Issue purchase order to contractor or assignment of duties to new or existing staffing.
		tTrack IDs CA030941					
		Resource # 300170 3005	Persons Hrs I	Per Person : 30		Comments	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.4	Perform review of vendor conta incorporate industry best practi		Engineering Design Configuration Management (and Q-List items)	4Q03		2Q05	Issuance of revised procedure, NF 7.2.14
		tTrack IDs CA030943					
			NAME OF THE SALES	Per Person		Comments	
		300170 3005	1	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.5	Effectiveness Review		Engineering Design	2Q04		4Q05	Survey of users.
		tTrack IDs CA030945	-				

300170 3005

300170 3009

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-007.6	Obtain funding approval for necessary resources identified in step OP-14-007.2		Engineering Design Configuration Management (and Q-List items)			2Q04	Funding approval

Resource	# Persons	Hrs Per Person	Comments .
300170 3009	1	40	

OP

Priority

1 1A 1A

CAP# 033417

Focus Area:

Configuration Management (CM)

Action Plan Title:

AFW Design Basis Validation Project

Action Plan Number:

OP-14-008

Resp Group:

Engineering Design Configuration Management (and Q-List items)

Focus Area Owner:

Problem Statement:

Concerns regarding the integrity of the design and licensing basis of the AFW System exist.

Causal Factors:

- 1 This system is complex and has transitioned from non-safety related to safety related post TMI.
- 2 Design and licensing basis was not adequately maintained.

Objectives:

1 Accurate and well-documented design and licensing basis of the AFW System.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-008.1	Gain Project Review Board (PRB) approval for Study.		Business Projects		31-Dec-02		Signed Request for Phased Approval (RPA.)

tTrack IDs CA030949

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
OP-14-008.2	Data Gathering/Analysis by External Independent Assessment Team to validate	_	Engineering Design		01-Feb-03		Assessment Data assembled.

current AFW operation & maintenance meets established design and licensing basis.

tTrack IDs CA030949

No resources assigned.

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Number	Action Step	Action St Owner	•	Start Date	Comp Date	Due Date	Deliverable
OP-14-008.3	Issue Initial Report by External Independ Assessment Team	dent	Engineering Design		11-Mar-03		Issued Initial Report.
	ព	Frack IDs CA030949					
		Resource	#Persons # H	rs Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action St		Start Date	Comp Date	Due Date	Deliverable
OP-14-008.4	NMC Engineering Review of External Independent Assessment Team Report		Engineering Design		04-Apr-03		Reviewed Initial Report.
	ti	Frack IDs CA030949					
		Resource	#Persons H	s Per Person		Comments	
		No resources assigned.	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			A CONTRACTOR OF THE STATE OF TH	
Number	Action Step	Action St Owner	•	Start Date	Comp Date	Due Date	Deliverable
OP-14-008.5	Re-circulation line orifice confirmatory fit testing, by External Independent Assess Team, of original and new design orifice	ow sment	Engineering Design		16-Apr-03		Flow test data and report.
	ព	Frack IDs CA030949					
		Resource	#Persons H	s Per Person		. Comments	
		No resources assigned.					
Number	Action Step	Action St	•	Start Date	Comp Date	Due Date	Deliverable
OP-14-008.6	NMC Engineering/ External Independent Assessment Team Diagnostic Review of system.		Engineering Design	1Q03		3Q03	Final Report assessing AFW Design and Licensing Basis.
	ព	Frack IDs CA030949					
		Resource		s Per Person		- Comments	
		CONTPRO	4	40			4.00
		300160 3004	8	100			

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
OP-14-008.7	Revalidate the AFW design basis (This is the measure of effectiveness.)		Engineering Design	2Q03	3Q06	Final AFW Analysis Report

tTrack IDs EFR030952

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	1	50	
CONTPRO	3	100	
CONTPRO	1	100	
300160 3004	2	20	
300160 3004	6	100	
300170 3004	2	20	
300170 3004	1	50	

EQ

Priority

1 3C 1C

CAP # 029129 033393

Focus Area:

Equipment Reliability

Action Plan Title:

AFW Appendix R Firewall Project

Action Plan Number:

EQ-15-001

Resp Group:

Engineering Design

Focus Area Owner:

Problem Statement:

Appendix R safe shutdown analysis done during rebaselining project, identified need for additional fire separation in Auxiliary Feedwater Pump room.

Causal Factors:

1 Appendix R rebaselining project utilized more rigorus analytical techniques and criteria than were available during original Appendix R analysis.

Objectives:

1 Complete modifications required to resolve Auxiliary Feedwater Pump room Appendix R issues.

Action Steps;

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.1	Complete Engineering for Mod MR99-0 (Relocate Electrical Components)	34B	Engineering Design Electrical – PB		01-Dec-02		Approved Mod Package
	r	Frack IDs CA030833					
		Resource # /	Persons Hrs Pe	er Person		Comments	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.2	Complete Engineering for Mod MR99-034C (Relocate Piping/Tubing & Install Fire Damper)	-	Engineering Design Civil/Structural – PB		01-Dec-02		Approved Mod Package

tTrack IDs CA030834

Resource Persons Hrs Per Person Comments	
No resources assigned.	

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.3	Complete Engineering for Mod MR99-0 (relocate conduit and pipe supports)	34D	Engineering Design Civil/Structural – PB		01-Dec-02		Approved Mod Package
	t	Track IDs CA030835					
		Resource	Persons Hrs F	er Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.4	Complete Engineering for Mod MR99-0: (Install 3 hour firewall).	34	Engineering Design Civil/Structural – PB	-	03-Oct-02		Approved Mod Package.
	ť	Track IDs					
		Resource s	Persons Alist	Per Person		Comments	
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.5	Complete Engineering for Mod MR99-0: (Modify Halon Detection and Annunciati System)	34A ion	Engineering Design Civil/Structural – PB	1Q03	01-Jul-03	3Q03	Approved Mod Package
	ť	Track IDs CA030836					
		Resource 4	Persons Hrs F	er Person		Comments	
		300170 3004	1	80			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.6	Complete Design Engineering Review E for Mod MR99-034A		Engineering Design Electrical PB	1Q03	01-Jul-03	3Q03	Design Review Board approva
	ť	Track IDs CA030836					
		Resource	Persons Hrs F	er Person		Comments	
		No resources assigned.	**************************************	The second secon		Com St. Complete Sec. Sec. Sec. Sec.	

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Revision 1

Number	Action Step	Action 5 Owne		Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.7	Complete Engineering for Mod MR99 (Install the 1 hour fire wrap)	1-033	Engine Design E - I		1Q03		3Q03	Approved Mod Package
		tTrack IDs CA030837						
		Resource	# Persons	めあり 動物となる ここれ げつ	er Person		Comments	
		300170 3004	1	7	100			
Number	Action Step	Action S		Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.8	Complete Mod Implementation MR99 (Relocate Electrical Components)	9-034B	Mainte Constn (Ger Super Install Serv	eral visor ation	4Q02	_	1Q04	Modification installed and accepte
		tTrack IDs CA030838						
		Resource	# Persons	Hrs Po	r Person		Comments	
		CONTCFT	3		40			
		300100 3005	1	<u>. </u>	40			
Number	Action Step	Action 5		Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.9	Complete Mod Implementation MR99 (Relocate Piping/Tubing & Install Fire)-034C	Mainte Constn (Ger Super Install Serv	oction eral visor ation	4Q02	28-Apr-03	1Q04	Modification installed and accepted
	,	tTrack IDs CA030838						
		Resource	# Persons	Hrs Pe	er Person		Comments	
		CONTCFT	2		40			
		300100 3005	1		20			

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.10	Complete Mod Implementation MR99-034D (Relocate Conduit and Pipe Supports)		Maintenance Construction (General Supervisor Installation Services)	4Q02		1Q04	Modification installed and accepted.

tTrack IDs CA030839

Resource	# Persons	Hrs Per Person	Comments
CONTSRVS	2	16	
300100 3005	1	4	
300170 3004	1	16	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp	Due Date	Deliverable
EQ-15-001.11	Complete Mod Implementation MR99-034A (Modify Halon Detection and Annunciation System)		Maintenance Construction (General Supervisor Installation Services)	3Q03	1Q04	Modification installed and accepted.

Resource	#Persons	Hrs Per Person	Comments
CONTSRVS	1	776	
300100 3005	1	100	
300170 3004	1	80	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.12	Complete Mod Implementation MR99-033 (Install fire wrap). Some Field Engineering will be required.		Maintenance Construction (General Supervisor Installation Services)	2Q03		1004	Modification installed and accepted
	tTrack IDs	CA030841					
	Res	ource #F	Persons Hrs F	er Person		Comments	
	CON	TSRVS		1830	<u> </u>	25 1 4 2 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	30010	00 3005	2	80			

Number	Action Stop	Action Step Owner	Owner Group	Start Date Com	p Date Due Date	Deliverable
EQ-15-001.13	Modification Closeout		Business Projects	4Q03	1Q04	Modification close out package.

tTrack IDs CA030842

300170 3004

Resource	# Persons	Hrs Per Person	Comments
300370 3005	1	138	

80

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-001.14	Complete Mod Implementation MR99-034 (Install 3 hour firewall).		Maintenance Construction (General Supervisor Installation Services)	2Q03		1Q04	Modification installed and accepted.

tTrack IDs CA031651

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Resource	# Persons	Hrs Per Person	Comments
CONTSRVS	0	1830	Contract Services
300100 3004	2	80	
300170 3004	1	80	

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EQ

Priority

2 3C 3B

CAP# 033395

Focus Area:

Equipment Reliability

Action Plan Title:

Replacement of Plant Perimeter Project

Action Plan Number:

EQ-15-003

Resp Group:

Security PBNP

Focus Area Owner:

Problem Statement:

The plant protected area perimeter intrusion detection system (PIDS) equipment needs to be replaced. Replacement of the PIDS is a NRC commitment.

Causal Factors:

1 The original equipment installed in the late 1970s can no longer be repaired because spare parts are no longer available as the technology is obsolete.

Objectives:

1 PIDS upgrade completed and accepted.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.1	Issue approved Civil package MR99-011*B		Engineering Design Civil/Structural – PB	1Q03	27-Jun-03	3Q03	Approved MR99-011*B

tTrack IDs CA030854

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	2	8	
300170 3004	2	20	
300170 3005	1	4	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.2	Presentation of MR99-011*B and Approval from PRB for Phase 3		Business Projects	2Q03	12-Jun-03	2Q03	Phase 3 Approval from PRB

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	1	40	
SECURITY	1	10	
300370 3009	1	5	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.3	Implementation/completion of MR99-011*B		Business Projects	2Q03		4Q03	Security declares civil portion of modification usable.

tTrack IDs CA030856

Resource	# Persons	Hrs Per Person	Comments
CONTCFT	6	360	
CONTPRO	3	360	
CONTSRVS	2	280	
300100 3005	1	360	
300170 3004	2	80	
300350 3005	1	160	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.4	Issue approved package for Electrical MR99- 011*E		Engineering Design I&C	1Q03		4Q03	Approved MP99-011*E, or partial releases that support the implementation schedule.

tTrack IDs CA030857

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	3	80	
300100 3005	1	80	
300170 3004	2	160	
300350 3005	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp	Date Due Date	Deliverable
EQ-15-003.5	Presentation of MR99-011*E and Approval from Project Review Board (PRB).		Business Projects	2Q03	3Q03	Phase 3 Approval from PRB

tTrack IDs CA030858

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	1	40	
SECURITY	1	10	
300370 3009	1	5	

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Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-003.6	Implementation/completion of MR99-011*E		Business Projects	3Q03	2Q04	Security declares new Security System operable.

tTrack IDs CA030859

Resource	# Persons	Hrs Per Person	Comments
CONTCFT	6	420	
CONTPRO	3	420	
CONTSRVS	2	320	
300100 3005	1	420	
300170 3004	2	120	
300350 3005	1	200	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.7	Issue approved package for Demolition and Abandonment MR99-011*F		Engineering Design Civil/Structural – PB	3Q03		4Q03	Approved MP99-011*F.

tTrack IDs CA030860

Resource	# Persons	Hrs Per Person	Comments: 22
CONTPRO	3	80	
300100 3005	1	80	
300170 3004	2	160	
300350 3005	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-003.8	Presentation/approval of MR99-011*F from PRB		Business Projects	2Q03	4Q03	Phase 3 Approval from PRB.

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	1	40	
SECURITY	1	10	
300370 3009	1	5	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-003.9	Implementation/completion of MR99-011*F		Business Projects	3Q03	2Q04	Acceptance by Security.

tTrack IDs CA030862

Resource	#Persons	Hrs Per Person	Comments
CONTCFT	6	240	
CONTPRO	3	240	
CONTSRVS	2	180	
300100 3005	1	240	
300170 3004	2	60	
300350 3005	1	120	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-003.10	MR99-011 Modification closeout		Business Projects	4Q03		3Q04	Plant Design Checklist signed by Supervisor.

tTrack IDs CA030863

. Resource	# Persons	Hrs Per Person	
CONTPRO	2	80	
CONTSRVS	2	120	
300100 3005	1	40	
300170 3004	2	80	
300350 3005	1	60	

Number	Action Stop	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-003.11	Complete schedular commitment changes necessary to execute this Action Plan. The NRC commitment date is 12/31/03. This Plan will not be completed until mid-2004.		Business Projects	3Q03	3Q03	Documented commitment change in accordance with NP 5.1.7.

tTrack IDs CA031971

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British Committee of the Committee of th	# Persons	Hrs Per Person	Comments
CONTPRO	11	40	

EQ

Priority

2 3C 3B

CAP # 033405

Focus Area:

Equipment Reliability

Action Plan Title:

High Energy Line Break Project

Action Plan Number:

EQ-15-006

Resp Group:

Engineering Design

Desk

Focus Area Owner:

Problem Statement:

Causal Factors:

A High Energy Line Break (HELB) could expose safe shutdown equipment located on the 26 ft elevation and below of the Primary Auxiliary Building (PAB) to a harsh

environm

1 Equipment in the PAB on the 26 ft elevation and below was not included in the original EQ program. (Recent engineering analyses determined that

harsh environments may exist in these areas [CAP001559] for certain steam line breaks.)

Objectives:

1 Install walls, ducts and dampers that will prevent safe shutdown equipment from being exposed to a harsh environment.

Acti	On	St	ep	3:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.1	Gain Project Review Board (PRB) appr Study Phase	roval for	Engineering Design Mechanical – PB	2Q02	01-Jun-02	2Q03	Signed Request for Phased Approval (RPA)

tTrack IDs CA030918

Resource # Persons Hrs Per Person Comments
--

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.2	Gain Approval for the Design Phase		Engineering Design Mechanical – PB	2Q02	15-Aug-02	2Q03	Signed RPA

tTrack IDs CA030918

Resource # Persons Hrs Per Person Comments

No resources assigned.

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.3	Gain Approval for the Implementa	tion Phase	Engineering Design Mechanical – P	4Q02 B	06-Jan-03	2Q03	Signed RPA
		tTrack IDs CA030918					
		Resource	# Persons Hr.	Per Person		, Comments	
		No resources assigned.		<u> </u>			
Number	Action Step	Action St o p Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.4	Complete Engineering for Mod M	R99-003	Engineering Design Mechanical – P	3Q02	25-Mar-03	2Q03	Approved Mod Package
		tTrack IDs CA030918	Mediamon - 1				
		Resource		Per Person		Comments	
		No resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.5	Engineered Materials on Site		Engineering Design	1Q03		3Q03	Materials ready to install
		tTrack IDs CA030919	Mechanical - P	3			
			# Persons / Sik Hr	Per Person		Comments	
		CONTPRO	1	40			
		CONTPRO	<u> </u>	40			
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.6	Complete Prefab Construction		Maintenance Construction (General Supervisor Installation Services)	2Q03	14-Jul-03	3Q03	Prefab duct const. complete
		tTrack IDs CA030920	·				
		Resource	# Persons Hrs	Per Person		Comments	
		CONTCFT	1	350	A SAN AND THE SAN SHIPTER SAME AS		a ann an Air
		300100 3005	2	120			
		300170 3004	1	80			i

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Number	Action Step	Action St Owner	•	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.7	Complete Implementation		Maintenance Construction (General Supervisor Installation Services)	2Q03		3Q03	Modification installation documentation.
		tTrack IDs CA030921					
		A Resource	# Persons Hrs	Per Person		Comments	
		CONTCFT	1	700			
		300100 3005	2	200			

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-006.8	Modification Closeout		Business Projects	4Q03		4Q03	Modification closeout documentation.

tTrack IDs CA030922

300170 3004

Resource	# Persons	Hrs Per Person	Comments
300370 3005	1	138	

80

EQ

Priority

1 3B 3B

CAP # 033426

Focus Area:

Equipment Reliability

Action Plan Title:

Bolted Fault

Action Plan Number.

EQ-15-011

Resp Group:

Engineering

Design

Focus Area Owner:

Problem Statement:

The calculated worst case fault current does not include the correct design basis assumptions and may exceed the design rating of some motor control centers and power panel breakers.

Causal Factors:

- 1 Changes made to plant electrical load configurations may have increased fault current beyond original design margin.
- 2 Reanalysis of plant electrical systems revealed previously unknown design limitations for worst case fault interrupting capability.

Objectives:

- 1 Calculations to support fault protection reflect design basis assumptions.
- 2 Plant equipment is restored to capability that can withstand calculated fault current.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.1	Obtain budget approval from WE		Business Projects			3Q03	Signed PAR

tTrack IDs CA031021

B Daniel Law Day Daniel	
Resource # Persons Hrs Per Person	

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.2	Complete design field eng. For MCCs		Engineering Design Electrical	2Q02		4Q05	Modification accepted by Operations

Resource	# Persons	Hrs Per Person	Comments
300170 3004	1	5000	
300370 3005	2	1750	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.3	Procure and Receive MCC Buckets		Business Supply Chain	1Q02		1Q05	All MCC Buckets On-site and accepted.
	t	Track IDs CA031024					
		Resource #	Persons Hrs P	er Person		Comments	

Resource	# Persons	Hrs Per Person	Comments
300240 3004	1	96	Procurement Engineer
300240 3004	1	96	Receipt Engineer

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.4	Procure and Receive MCC Bracing		Business Supply Chain	1Q02	15-Feb-03		All Bracing On-site and accepted.

tTrack IDs CA031025

Resource: # Persons Hrs Per Person Comments	
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No resources assigned.

Effective Date: 7-11-03

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.5	Complete Design Analysis Engineering. Revise degraded grid calculations to support changing transformer tap settings. Revise short circuit calculations based on tap settings. The following actions are tied to LER 266/97-032-00: A) PBNP 4160V and 480V system operating voltages are significantly higher than normal system voltages and therefore increase the magnitude of available fault current (related to the new fault duty calculation, N97-0154, Rev.0). Action from closed CR 93-137, Action 4). B) Operating the 480V system at voltages higher than 500V causes equipment to be derated from ratings at 480V to ratings at 600V for fault current (related to the new fault duty calculation, N97-0154, Rev.0). (Action closed from CR 93-137, Action 5). C) Calculation assumes all the contributing loads are on. System model should be revised with plant operations to determine more realistic equipment alignments (related to the new fault duty calculation, N97-0154, Rev.0). (Action closed from CR 93-137, Action 6). D) Additional scenarios should be analyzed and existing scenarios should be revised to more accurately reflect how PBNP is operated (related to the new fault duty calculation, N97-0154, Rev.0). (Action closed from CR 93-137, Action 7).		Engineering Design Electrical — PB	4Q02		3Q04	Design Engineering Approved Calculations

Resource	, # Persons	Hrs Per Person	Comments
300170 3004	1	850	
300370 3005	2	3270	

Revision 1

Number	Action Step	Action S Owne	•	up Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.6	Complete MCC New Bucket Installation		Maintenano Electrical	" 3UUL	· · · · · · · · · · · · · · · · · · ·	1Q07	Ops Accepts MCC modification.
	•	Track IDs CA031030					
		Resource	# Persons	Hrs Person		Comments	
		655LELEC	4	6750		3 5 2 3 3 4 4 4 1 1 1 2 3 5 5 5 5 7 5 7 5 7 5 5 5 5 5 5 5 5 5 5	any many manager of the second
		300310 3005	2	7000			
		300330 3007	2	3300			
At the second	A . A	8 - 4 6		04-4-5-4-	O D.4.	D	D _10a4.4.
Number	Action Step	Action S Owne		up Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.7	Complete MCC Bracing Installation		Maintenand Electrical			1Q07	Ops And Eng Accept bracing modifications.
	t	Track IDs CA031031					
		Resource	#Persons	irs Per Person		Comments	
		655LELEC	3	1280	Y		
		300310 3005	1	1460			
		300330 3007	1	640			
Number	Action Step	Action S Owne		up Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.8	Determine Scope Of Power Panel (PP) Replacement	Breaker	Engineerin Design Electi – PB		1	4Q07	Issue BOM to Procurement

tTrack IDs CA031033

	Resource		Hrs Per Person	Comments
ſ	300170 3004	2	200	

Revision 1

Number	Action Step	Action Ste Owner	p Owner Group	Start Da	te Comp Date	Due Date	Deliverable
Q-15-011.9	Procure PP Replacement Breakers		Business Supply Chain	3Q04		4Q04	All PP Breakers On-Site and accepted.
		tTrack IDs CA031035					
		Resource	# Persons Hrs	Per Person		Comments	
		300240 3004	1		Procurement Engir		
		300240 3004	1	12	Receipt Engineer		
Number	Action Step	Action Ste Owner	p Owner Group	Start Da	te Comp Date	Due Date	Deliverable
EQ-15-011.10	Complete Implementation Of PP Break Replacements	eker	Maintenance Electrical	4Q03		2Q05	OP's And Engineering Accept P modifications.
		tTrack IDs CA031036					
		Resource		Per Person		Comments	
		654LOPR1	1	40			
		655LELEC	3	120			
		300050 3008	2	40			
Number	Action Step	Action Ste	p Owner Group	Start Dat	te Comp Date	Due Date	Deliverable
EQ-15-011.11	Determine Scope Of XFMR Tap Char issue change package.	nges and	Engineering Design Electrical – PB	2Q04		4Q04	Approved change package.
		tTrack IDs CA031037					
		Resource	#Persons Hrs	Per Person		Comments	
		300170 3004	2	400			
Number	Action Step	Action Ste Owner	p Owner Group	Start Dat	te Comp Date	Due Date	Deliverable
EQ-15-011.12	Procure XMFR Tap Change Material		Business Supply Chain	3Q04		4Q04	Material On-Site And Inspected
		tTrack IDs CA031038					

	# Persons		
300240 3004	1		Procurement Engineer
300240 3004	11	40	Receipt Engineer

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp	Date Due Date	Deliverable
EQ-15-011.13	Perform XMFR Tap Changes		Maintenance Electrical	4Q04	2Q05	Ops And Eng. Accept PP modification.
		tTrack IDs CA031039				

Resource	# Persons	Hrs Per Person	Comments
654LOPR1	2	320	
655LELEC	2	320	
300050 3008	1	360	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-011.14	XMFR project Closeout		Business Projects	4Q06		1Q07	Plant Design Change Checklist signed by Supervision

Resource	# Persons	Hrs Per Person	Comments
300170 3004	1	320	
300170 3004	1	320	
300370 3005	1	480	

EQ

Priority

1 1A 1A

CAP # 033430

Focus Area:

Equipment Reliability

Action Plan Title:

Manhole and cable vault flooding

Action Plan Number:

EQ-15-012

Resp Group:

Engineering Design

Focus Area Owner:

Problem Statement:

Several Electrical manholes/vaults are regularly flooded with groundwater.

Causal Factors:

- 1 Original design of these electrical vaults and duct runs were not made watertight.
- 2 Means of dewatering these vaults were not made permanent.

Objectives:

1 Implement an effective solution to keep the cables from becoming submerged if required.

Action Steps:

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Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-012.1	Meet with Architect Engineering Company (A/E) to assess scope of engineering study.		Engineering Design Civil/Structural –	04-Feb-03	- ···	Meeting documentation.
			PB			

tTrack IDs CA031046

Resource #Persons Hrs Per Person	Comments

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-012.2	Request proposal for engineering study		Engineering Design Civil/Structural –	18-Apr-03		Proposals Submitted

PB

tTrack IDs CA031046

Resource # Persons Hrs Per Person Comments	
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No resources assigned.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-012.3	Request funding to perform engineering stu	dy	Engineering Design Civil/Structural – PB		02-May-03		Copy of the Request for Phased Approval (RPA).
	tTrac	k IDs CA031046					
		12.00 m 12.00 15 15 15 15 15 15 15 15 15 15 15 15 15	Persons Hrs P	er Person		Comments	
	No	resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Q-15-012.4	Award contract for engineering study		Engineering Design Civil/Structural – PB		13-May-03		Purchase Order Issued
	(tTrac	k IDs CA031046					
		Resource	Persons Hrs P	er Person		Comments	
	No	resources assigned.					
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Q-15-012.5	Receive and review engineering study alternatives		Engineering Design Civil/Structural – PB	2Q03	01-Jul-03	3Q03	Documented review completion.

Resource	# Persons	Hrs Per Person	Comments
CONTPRO	3	70	
300170 3004	1	200	
300170 3005	1	100	
300170 3009	1	200	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-012.6	Request funding to design modification and complete detailed design based upon recommendations from CA031048.		Engineering Design Civil/Structural – PB	4Q03		4Q03	Modification Package
	tTrack ID:	s CA031049			•		
	Market Comment of the	source #	Persons A Hrs P	er Person 60		Comments	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date		Deliverable
EQ-15-012.7	Request funding to install modification		Engineering Design Civil/Structural – PR	4Q03		1Q04	RPA	

tTrack IDs CA031051

300170 3004

Resource .	# Persons	Hrs Per Person	Comments
300170 3004	1	40	

500

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-012.8	Complete installation of modification		Engineering Design Civil/Structural – PR	1Q04		2Q04	Modification Installed and accepted.

Resource	#Persons	Hrs Per Person	Comments
CONTCFT	2	400	
300170 3004	1	200	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-012.9	Monitor effectiveness of installed modification		Engineering Design Civil/Structural – PB			3Q04	Documented effectiveness review.

tTrack IDs EFR031055

Resource	2. " . "	Hrs Per Person	Comments :
300170 3004	1	100	

Number	Action Step	Action Step Owner G	roup Start Date	Comp Date	Due Date	Deliverable
EQ-15-012.10	Initiate follow-up actions if necessary	Enginee Desk Civil/Struc PB	n Č		3Q04	CAP documentation.

Resource	# Persons	Hrs Per Person	Comments
300170 3004	1	100	

EQ

Priority

1 1A 1A

CAP # 033001

Focus Area:

Equipment Reliability

Action Plan Title:

Aux. Feedwater Orifice Replacement

Action Plan Number:

EQ-15-014

Resp Group:

Engineering

Design

Focus Area Owner:

Problem Statement:

Auxiliary Feedwater Restriction orifices installed per modifications 99-029 A/B/C/D did not meet some design basis requirements.

Causal Factors:

- 1 Ineffective Corrective Action. (This causal factor is being addressed in general by action plans in the CAP Focus Area.)
- 2 Inadequate design control. (This causal factor is being addressed in general by action plans OR-08-007, OR-08-009, OR-08-010, and OR-08-011.)

Objectives:

- 1 Replace the orifices with a design which will pass adequate flow under all design conditions (Service Water).
- 2 Eliminate compensatory operator actions.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-014.1	Complete test of new orifice		Engineering Programs	1Q03	04-Mar-03		Test results provided to Engineering

tTrack IDs CA031074

Resource # Persons Hrs Per Person Comments
--

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-014.2	Issue mod for new orifice design		Engineering Design	4Q02	06-Mar-03		Modifications 02-039 A/B/C/D released for installation

tTrack IDs CA031074

Kesource # Persons	Hrs Per Person Comments
	Hrs Per Person Comments

No resources assigned.

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Revision 1

Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-014.3	Install new orifices			Maintenance Mechanical		11-Mar-03		Modifications 02-039 A/B/C/D accepted
		tTrack IDs	CA031074					
		Resc	ource #1	Persons Hrs Pe	r Person		Comments	
		No resour	ces assigned.					
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-014.4	Close out Modification			Engineering Design Mechanical – PB	1Q03	26-Jun-03	3Q03	Completed Mod Package to Records
		tTrack IDs	CA031074					
		Reso	ource	Persons Hrs Pe	r Person		Comments	
		No resour	ces assigned.		<u> </u>			
Number	Action Step		Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-014.5	Complete Safety Evaluation 20 remove compensatory Actions. dependent on completion of steplan EQ-15-015).	(This step is		Engineering Design Mechanical – PB	2Q03		4Q03	Completed Safety Evaluation
			CA029988					

Resource	# Persons	Hrs Per Person	Comments
300170 3004	2	40	

EQ

Priority 2 3C 3D

CAP # 033442

Focus Area:

Equipment Reliability

Action Plan Title:

Aux. Feedwater Electrical Modifications

Action Plan Number.

EQ-15-015

Resp Group:

Engineering Design Electrical

- P8

valves.

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Focus Area Owner:

Problem Statement:

Some Auxiliary Feedwater (AFW) system component power supplies do not meet current design basis requirements.

Causal Factors:

1 Original AFW system design classification was upgraded to safety-related, however some aspects of the design were not upgraded to meet current design for safety-related systems.

Objectives:

1 AFW component power supplies meet design basis requirements.

Action Steps:

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-015.1	Issue electrical modifications for SR power to DPIS devices and re-power recirculation valves.		Engineering Design Electrical – PB	1Q03	19-May-03		Approved modification packages MR 03-005, MR 03-006.

tTrack IDs CA027029 CA027154

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-015.2	Implement electrical modifications for SR power to DPIS and re-power recirculation		Maintenance Electrical	2Q03		3Q03	Modification installed and accepted.

Resource	# Persons	Hrs Per Person	Comments
CONTCFT	5	200	
300100 3004	1	262	

Action Step

Owner

Revision 1

Deliverable

EQ-15-015.3	potential common mode failure of the	usue an electrical modification to eliminate a otential common mode failure of the SW upply to three of four AFW pumps during a ostulated seismic event		Engineering 3Q03 Design Electrical - PB		4Q04		Approved modification package MR 03-007.
		tTrack IDs CA0271	67				,	
		Resource	- #	Persons Hr	Per Person		Comments	
		300170 3004		1	60			
		300170 3004		1	200			
Number	Action Step		n Step vner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-015.4	Implement electrical modification for supply to AFW pumps.	SW		Maintenance Electrical	4Q05		4Q05	Installed and accepted modification
		tTrack IDs CA0310	88					
	ļ	Resource	#	Persons	Per Person		Comments	
	'	No resources assig	ned.					
Number	Action Step		n St e p vner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-015.5	Closeout modification package and C Determination.	Perability		Engineering Design Electrica – PB	4Q05		1Q06	Modification paperwork completed and Operability Determination closed.
		tTrack IDs CA0319	01					
		Resource	#	Persons 🦙 Hr	Per Person		Comments	

Owner Group

Start Date Comp Date

Due Date

Number

Action Step

EQ

Priority

14B4D

CAP# 033444

Focus Area:

Equipment Reliability

Action Plan Title:

Determine condition of underground electrical cables that have been submerged.

Action Plan Number.

EQ-15-016

Resp Group:

Engineering

Design

Focus Area Owner:

Problem Statement:

Underground medium voltage cables may be degraded due to being frequently submerged in water.

Causal Factors:

- Original design installation prone to flooding.
- 2 Original electrical manhole/vault design basis was poorly documented.
- 3 Ineffective and untimely corrective actions.

Objectives:

- 1 The condition of the PB underground Safety Related cables is understood.
- 2 An appropriate cable monitoring program that trends cable status and a replacement schedule is in place to replace any cables identified as having unacceptable margin.

Action Steps;

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Da	te Due Date	Deliverable
EQ-15-016.1	Presentation to PRB to obtain funding.		Engineering Equipment Systems Electrical	04-Apr-0	3	PRB Decision

tTrack IDs CA031097

Resource # Persons Hrs Per Person	Comments

No resources assigned.

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-016.2	Identify cables and determine method to determine cable condition		Engineering Equipment Systems	15-May-03		List of cables to be tested and the method that will be used.
			Electrical			

tTrack IDs CA031097

Resource # Persons Hrs Per Person Comments
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No resources assigned.

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Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-016.3	Perform data collection and analysis.		Engineering Equipment Systems Electrical		09-Jul-03	3Q03	Cable condition assessment report(s)
	tTrac	k IDs CA031638					
		Resource #1	Persons Hrs P	er Person		Comments	
		CONTSRVS	1	\$5	0.000		

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-15-016.4	Establish plans for future cable condition monitoring, testing and/or replacement		Engineering Equipment Systems Electrical	2Q03	2Q04	Cable Monitoring Plan

tTrack IDs CA031639

300010 3008

300150 3004

Resource	# Persons _	Hrs Per Person	Comments
300150 3005	1	60	

80

160

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-016.5	Complete and implement cable monitoring program for License Renewal		Engineering Equipment Systems Electrical	1Q03		4Q05	Cable condition monitoring program in place.

Resource	# Persons	Hrs Per Person	Comments
300150 3004	1	120	
300150 3005	1	120	

Revision 1

Effectiveness report

2Q06

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-15-016.6	Perform effectiveness review of steps EQ- 016.1 to EQ-15-016.4.	-15-	Engineering Equipment Systems Electrical	1Q05		1Q05	Effectiveness report
	tTra	ack IDs EFR031101				•	
				Per Person		Comments	
		300150 3005	1	20			
Marahan	A skine Chen	A sties Ctons	Owner Crown	Start Date	Comp Date	Due Date	Deliverable
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	NellAetable

Engineering

Equipment Performance

tTrack IDs CA031103

Verify effective cable monitoring program

established

Resource	# Persons	Hrs Per Person	Comments
300150 3005	1	10	
300150 3009	1	10	

2Q06

EQ-15-016.7

Pillar of Excellence:

EQ

Priority

1 3D 3G

CAP# 033427

Focus Area:

Engineering Programs

Action Plan Title:

Identify program owner and upgrade FAC, SW (GL 89-13) Program

Action Plan Number:

EQ-16-006

Resp Group:

Engineering Programs Inspection Services

Focus Area Owner:

Problem Statement:

Generic Letter 89-13 program requirements, as specified in the program document, are not being completely implemented. In addition, portions of the Service Water (SW) systems are degraded due to macrofouling.

Causal Factors;

- 1 Implementation of Flow Accelerated Corrosion (FAC)/Service Water Inspection (SWI)/ Generic Letter 89-13 (GL 89-13) Programs withou adequate resources assigned.
- 2 Macrofouling has degraded the condition of the Emergency Diesel Generator (EDG) coolers.
- 3 Macrofouling countermeasures are not effective.

Objectives:

- 1 Designate and qualify a SWI/GL 89-13 program owner and backup owner.
- 2 Designate and qualify a FAC program owner and backup owner.
- 3 Reduce macrofouling of the EDG coolers to a manageable level.
- 4 Evaluate the effectiveness of the copper ion generator to manage zebra mussel intrusions.

Action Steps:

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.1	Obtain funding for Zebra Mussel control in 2003		Engineering Programs		01-May-03	2Q03	Purchase Order issued.

tTrack IDs CA031026

No resources assigned.

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-16-006.2	Perform Zebra Mussel kill in 2003		Engineering Programs Inspection Services		4Q03	Effectiveness Report.
		tTrack IDs CA031026				

Resource	# Persons	Hrs Per Person	Comments
300160 3004	1	90	
300170 3004	1	8	

	·	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.3 Hire S\	WI/GL 89-13/FAC program owner.		Engineering Programs Inspection Services			3Q03	Individual hired and available on site.

tTrack IDs CA031028

Resource	# Persons	Hrs Per Person	Comments
300110 3007	1	20	
300160 3005	1	20	

Number	Action St o p	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.4	Qualify new SWI/GL 89-13/FAC program owner.		Engineering Programs Inspection Services			1Q04	Qualification documentation.

Resource	# Persons	Hrs Per Person	Comments
300160 3004	1	100	
300160 3004	1	520	

Revision 1

Number	Action Step	Action Step	o Owner Grou	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.5	Designate backup SWI/GL 89-13/FAC program owner.		Engineering Programs Inspection Services			3Q03	Individual assigned as backup FAC/SW/GL 89-13 program owner.
	tTrack ID:	CA031028					
		60 3005	# Persons H	Per Person		Comments	

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.6	Qualify backup SWI/GL 89-13/FAC program owner.		Engineering Programs Inspection Services			1Q04	Qualification documentation.

tTrack IDs CA031029

Resource	# Persons	Hrs Per Person	Comments
300100 3004	1	60	
300100 3004	1	240	
300100 3005	1	16	

Number	Action Step	Action Step Owner	Owner Group	Start Date Con	mp Date	Due Date	Deliverable
EQ-16-006.7	Complete study phase of G01/G02 EDG cooler replacement to address Lake Grass fouling.		Engineering Equipment Systems Electrical			1Q04	Provide recommendation to Plant Health Committee (PHC). Initiate action item to replace coolers.

Resource	# Persons	Hrs Per Person	Comments
300020 3007	1	20	
300040 3008	1 .	8	
300100 3004	1	40	
300150 3004	1	40	
300170 3004	2	100	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-006.8	Evaluate modification of Cu ion gen	erator.	Engineering Design			4Q03	Documented evaluation with corrective actions identified as appropriate.
		tTrack IDs EFR031034					
		Resource	Persons Hrs	Per Person		Comments	
		300170 3004	1	80			
Number	Action Step	Action Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Q-16-006.9	Complete the June and December Inspection Reports.	2002 SW	Engineering Programs Inspection Services			3Q03	Inspection Reports.
		tTrack IDs CA029996					
		Resource 4	Persons Hrs	Per Person		Comments	
		The Market Branch and Market Asia (Care	was a line of some and the Charles				
		300160 3005	1	160			
Number	Action Step		TO BUTTON THE TOP OF	adition visit is	Comp Date		Deliverable
Number Q-16-006.10	Action Step Perform annual update of GL 89-13	300160 3005 Action Step Owner	1	160			
	•	300160 3005 Action Step Owner	Owner Group Engineering Programs Inspection	160		Due Date	Deliverable Revised GL 89-13 program
	•	Action Step Owner program. tTrack IDs CA030001	Owner Group Engineering Programs Inspection Services	160		Due Date	Deliverable Revised GL 89-13 program document.

Pillar of Excellence:

EQ

Priority

2 3C 3B

CAP # 033431

Focus Area:

Engineering Programs

Action Plan Title:

Upgrade Fire Penetration Seal Documentation

Action Plan Number:

EQ-16-008

Resp Group:

Engineering Programs – Long Term

Programs

Focus Area Owner:

Problem Statement:

An NRC Inspection identified need to improve design basis documentation for fire penetration seals.

Causal Factors:

1 The NRC identified differences between penetration configuration in the plant and documented test reports on file (CAP001058).

Objectives:

1 Procedure and database developed for administering fire penetration seal database.

2 Design documentation available for Appendix R credited seals.

Action Steps;

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-008.1	Develop procedures for maintenance of penetration seal database & performance of walkdowns.		Engineering Programs – Long Term Programs	2Q03		3Q03	Procedure issued.

tTrack IDs CA031044 CA004098

	Resource	# Persons	A STATE OF SHIP OF A STATE OF THE STATE OF STATE	Comments
Γ	300160 3004	1	80	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-008.2	Prepare penetration fire seal database.		Engineering Programs – Long Term Programs	2Q03		4Q03	Database developed.
	tTrack II	Os CA031045 CA00	4096			٠	
	R	esource # P	Persons Hrs P	er Person		Comments	
	300	160 3004	1	80			
			O	Start Date	Comp Date	Due Date	Deliverable
Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Du Date	Deliverable
Number EQ-16-008.3	Action Step Develop list of Appendix R credited seals, barriers.	Action Step Owner	Engineering Programs – Long Term Programs	1004	Ourip Bato	2Q04	Approved listing of credited seals

Resource .	# Persons	Hrs Per Person	Comments
300160 3004	1	40	

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp I	Date Due Date	Deliverable
EQ-16-008.4	Complete walkdowns & evaluations of Appendix R credited barriers, seals (CA004099)		Engineering Programs – Long Term Programs	1Q04	4Q05	Approved walkdown documentation.

Resource	₽ Persons	Hrs Per Person	Comments
655LCUST	3	300	
657LHPTE	1	160	
300160 3004	2	900	
300160 3005	1	275	

Revision 1

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-008.5	Acquire fire test reports, as necessary, to support generation of new or upgrade of existing typical design details.		Engineering Programs – Long Term Programs	1Q04	-	4Q04	Complete set of Test Reports for App. R seals.
	tTrack ID	s CA031043					
		source #F	Persons Hrs F	Per Person		Comments	
		NTPRO	1	300 \$2	5,000		**************************************

Number	Action Step	Action Step Owner	Owner Group	Start Date Comp Date	Due Date	Deliverable
EQ-16-008.6	Perform a self assessment of these action steps following completion of steps EQ-16-008.1 thru EQ-16-008.5.		Engineering Programs – Long Term Programs	1Q05	1Q05	Completed self assessment.

tTrack IDs EFR031052

Resource	# Persons	Hrs Per Person	Comments
300160 3004	1	40	
300160 3004	1	16	

Pillar of Excellence:

EQ

Priority

2 3C 3F

CAP# 033443

Focus Area:

Engineering Programs

Action Plan Title:

Environmental Qualification (EQ) Program Upgrade

Action Plan Number:

EQ-16-013

Resp Group:

Engineering Programs – Long Term Programs

Focus Area Owner:

Problem Statement:

Some EQ Program documentation does not meet current industry standards.

Causal Factors:

1 Insufficient resources applied to keep program up to industry standards.

Objectives:

1 Updated EQ Design Basis Document (DBD).

2 Updated EQ Summary Sheets (EQSSs) and EQ Maintenance Requirements (EQMRs).

3 EQ file upgrades complete.

Action Steps:

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Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-013.1	Walk down accessible equipment outside of containments.		Engineering Programs – Long Term Programs			3Q03	EQ field verification data outside containment.

Resource	# Persons	Hrs Per Person	Comments
300160 3004	1	400	
300170 3004	1	100	

300160 3004

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Revision 1

	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Q-16-013.2	Walk down accessible Unit 2 equipment containment.	lin	Engineering Programs – Long Term Programs			4Q03	EQ field verification data for U2 Containment.
	ť	Track IDs CA031085					
		∴ Resource #	Persons Hrs	Per Person		Comments	
		300160 3004	1	200			
		300170 3004	1	80			
Number	Action Step	Action Step	Owner Group	Start Date	Comp Date	Due Date	Deliverable
Q-16-013.3	Walk down accessible Unit 1 equipment	Owner	Engineering			2Q04	EQ field verification data for U1
	containment.		Programs - Long Term Programs			2004	Containment.
			riogramia				
	r	Frack IDs CA031087	Flogiamis				
	r		Persons ::::: Hrs	Per Person		Comments	
	e	Resource #		13/10/2014 1975			
	e		Persons Hrs		And the second second		
Number	1	Resource 7 7 300160 3004 300170 3004	Persons Hrs	200			
Number	Action Step	Resource # 300160 3004	Persons His	200	And the second second		Deliverable
Number Q-16-013.4	1	Resource # 300160 3004 300170 3004	Persons Hrs	200			
	Action Step Implement long term plan to validate inaccessible equipment.	Resource # 300160 3004 300170 3004	Persons 1 1 Cowner Group Engineering Programs – Long Term	200		Due Date	Deliverable Maintenance procedure and for
	Action Step Implement long term plan to validate inaccessible equipment.	Resource # 300160 3004 300170 3004 Action Step Owner	Persons 1 1 1 Owner Group Engineering Programs – Long Term Programs	200		Due Date	Deliverable Maintenance procedure and for

100

Revision 1

Number	Action Step	Action Own		Group Start	Date Comp Date	Due Date	Deliverable
EQ-16-013.5	Complete pilot project to upgra		Engin Progra Long	ems —		3Q03	This step will be closed to EQ-1 013.7
		tTrack IDs CA03109	0				
		Resource	#Persons	Hrs Per Perso		Comments	
		No resources assign	ied.				
Number	Action Step	Action Own		Group Start	Date Comp Date	Due Date	Deliverable
EQ-16-013.6	Update EQ DBD as required to analyses, etc.	o reflect new	Engine Progra Long Prog	ms –		4Q04	Revised DBD issued.
		tTrack IDs CA03109	_				
		Resource	* #Persons	Hrs Per Perso	n,	Comments	
		CONTPRO	1	400			
Number	Action Step	Action Own		Group Start	Date Comp Date	Due Date	Deliverable
Q-16-013.7	Complete EQ checklists			Renewal		4Q04	Completed EQ checklists.
		tTrack IDs CA03109	2				
		Resource	#Persons	Hrs Per Perso	n 🏥 🚅 🖟 🔭	Comments	
		CONTPRO	2	1900			
Number	Action Step	Action Own		Group Start	Date Comp Date	Due Date	Deliverable
Q-16-013.8	Complete backlog elimination pissues.	project of EQSS	License	Renewal		4Q04	Completed EQSS checklists an EQMRs.
		tTrack IDs CA03109	3				
		- Resource	#Persons	Hrs Per Perso	n	Comments	

Revision 1

Number	Action Step		on Step Owner G wner	roup Start Date	Comp Date	Due Date	Deliverable
EQ-16-013.9	Approve completed backlog from EQS consolidation, EQ checklist, review ar approve calculations.		Enginee Progran Long Te Progra	ns – em		4Q04	Documented completed reviews.
		tTrack IDs CA031	094				
	ł	Resource	# Persons	Hrs Per Person		Comments	
		300160 3004	1	350			
		300160 3005	1	10			

Number	Action Step	Action Step Owner	Owner Group	Start Date	Comp Date	Due Date	Deliverable
EQ-16-013.10	Review completed EQ checklists		Engineering Programs – Long Term Programs			2Q05	This step will be closed to EQ-16- 013.9

tTrack IDs CA031095

No resources assigned.

Effective Date: 7-11-03