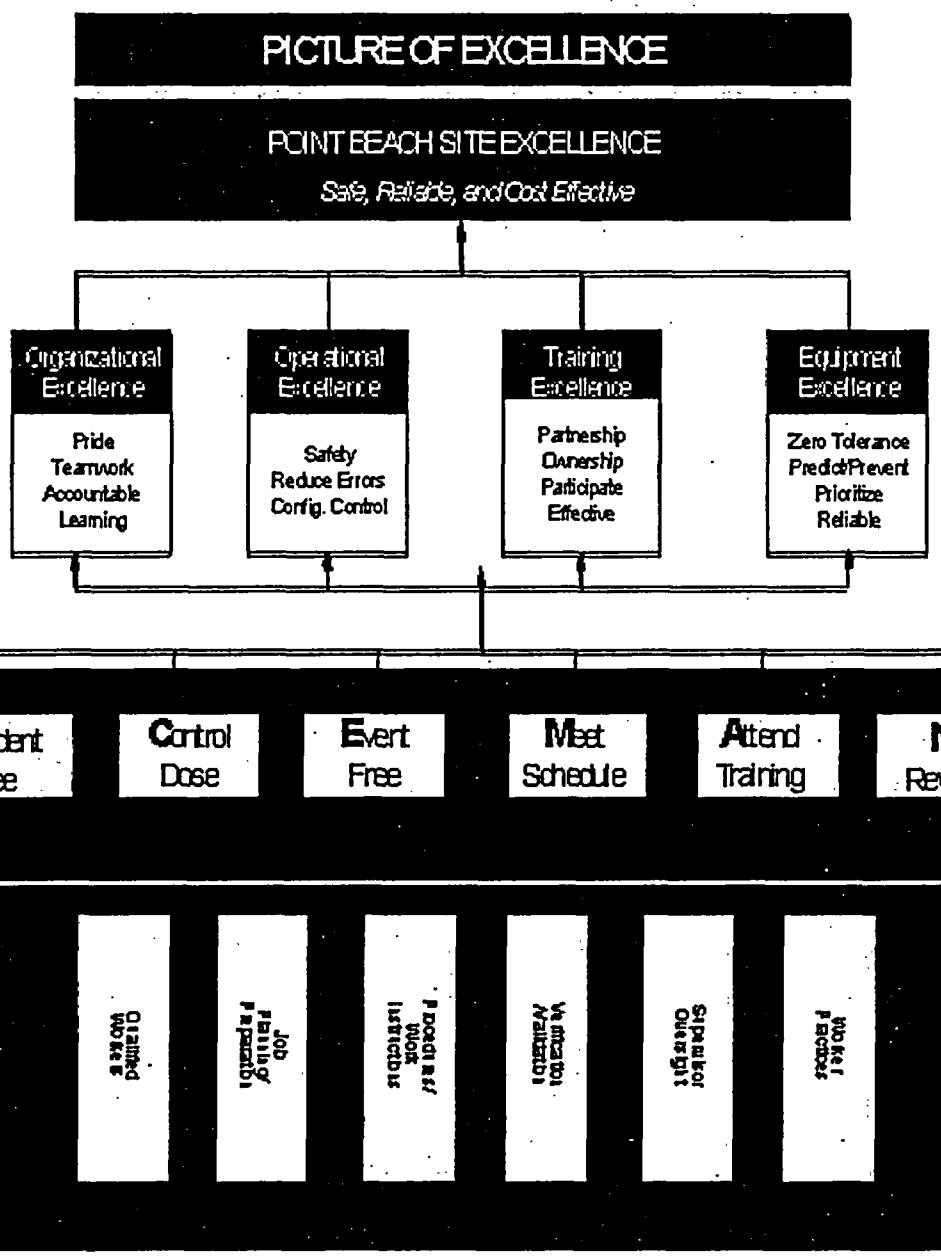
9-203

Point Beach Nuclear Plant



Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 4
FOIA/PA-2004-0282

Event Response Team On Call: Team "B"	**Plan-of-the-Day Meeting** 0815-0845 Front Office Conference Room	U1R28: Day 38
		Days to U2R27: 326
		Days to U1R29: 501
Days Since Last HP Clock Reset: ____	Work Week: B08B2	Safety Event: _____ 2-76
	Date: Tuesday, May 11, 2004	

Plan-of-the-Day Agenda

Purpose: Understand unit status ✦ Ensure ownership and support ✦ Recognize performance ✦ Improve communications and teamwork

- **Daily:**

Plant Status – Units 1 and 2:

A. [IHS] – Safety
B. [Ops] – Plant Conditions (Units 1&2)
C. [Ops] – Immediate attention (Pri 2)
D. [Ops] – Operations' Dept concerns, activities, and priorities
E. [Ops] – Status control events (last event)
F. [Ops] – Regulatory notification / near misses
G. [Ops] – TSACs (active & potential)
H. [Ops] – Nuisance alarms
I. [Ops] – Operations' Housekeeping Report

Operating Experience:

Surveillance Schedule Review:

A. [PPG Mgr] – 12-week rolling schedule
B. [PPG Mgr] – Equipment / system outages

Chemistry / RADPRO Review, Units 1 and 2:

Integrated Schedule / System Outages:

A. [Ops] – Operations' work week issues

Unit Outage (if applicable):

Administrative:

A. [PPG Mgr] – Plant impact issues/Risk

Action Items:

Round Table:

ACEMAN:

Pagers:

AOM .....
Chemistry Shift Supervisor .....
Industrial Safety .....
Maintenance .....
Outage Manager .....
Radiation Protection .....
Shift Manager .....
System Engineering .....
Work Week Manager .....

- **Monday:**

A. [EP] – Event Response duty list
B. [Ops/Eng] – Fire Protection summary
C. [Safety] – Industrial safety action item list & safety performance
D. [Site Engineering] – Maintenance Rule 'A1' system review
E. [Project Mgmt] – Major project status
F. [Business Mgr] – Budget overview
G. Excellence Plan review

- **Tuesday:**

A. [RP] – Annual dose summary
B. [Security] – Security system status & compensatory measures
C. [PPG] – Forced outage schedule
D. [Site Eng] – Thermal cycle efficiency review
E. [VP/Director] – INPO follow up & readiness
F. [EP] – EP issues
G. Human Performance
H. Excellence Plan review

- **Wednesday:**

A. [Training] – Training
B. [PPG] – Management Risk Observations
C. [Ops] – Operator Workarounds
D. [Ops] – Leakage list; oil & water
E. [EP] – EP Drill Schedule
F. [Engr] – Section XI equipment in double frequency
G. [Maint/OPS] – Housekeeping issues
H. Excellence Plan review

- **Thursday:**

A. [EP] – EP Pager Test Results (as applicable)
B. [Engr] – Temporary Modifications
C. [Ops] – Control Room Panel Deficiency Analysis
D. [Ops] – Disabled alarms (Units 1&2)
E. [Ops] – Instruments Out-of-Service (Units 1&2)
F. [PA] – CAP backlogs
G. [Ops] – Out-of-Spec routine readings
H. Excellence Plan review

- **Friday:**

A. [Reg Affairs] – Upcoming Licensing/QA Reviews
B. [QA] – Quality Assurance update
C. [Maint] – WR Backlog
D. [EP] – Weekend coverage list (Units 1&2)
E. [Engr] – Predictive Monitoring
F. [PPG Mgr] – Next week's work week summary and highlights
G. [Reg Affairs] – NRC/INPO Perf Indicators
H. Excellence Plan review

Point Beach Nuclear Plant Outage 1R28

DAY 36

Supporting Operational Excellence

Outage Radiation Performance

Path

Picture

Meets

Doesn't Meet Exceeds

Definition/Goal

This indicator measures cumulative dose radiation exposure and total number of personnel-contamination events (PCE's > 5000 cpm) during refueling outages. The dose indicator is measured in Rem and individual PCE events.

Meets:	**<=75 Rem**	**Actual Cum.**	
Exceeds:	**<=71 Rem**	**Dose:**	**53.901 Rem**
Meets: <= 18	**Exceeds: <= 12**	**Actual PCE's:**	**9**

Responsible Manager/Owner

Stu Thomas

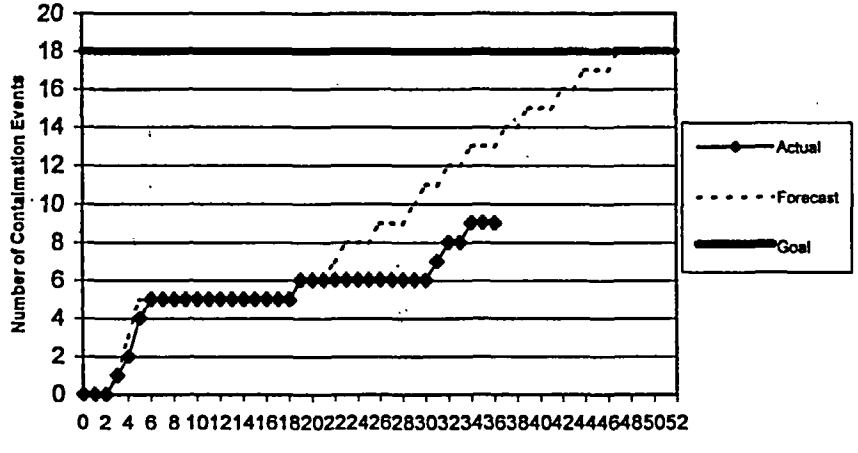
Analysis and Actions

Day 36 - May 9
Actual = 0.164
Cumulative = 53.901
Cumulative Forecast = 54.246

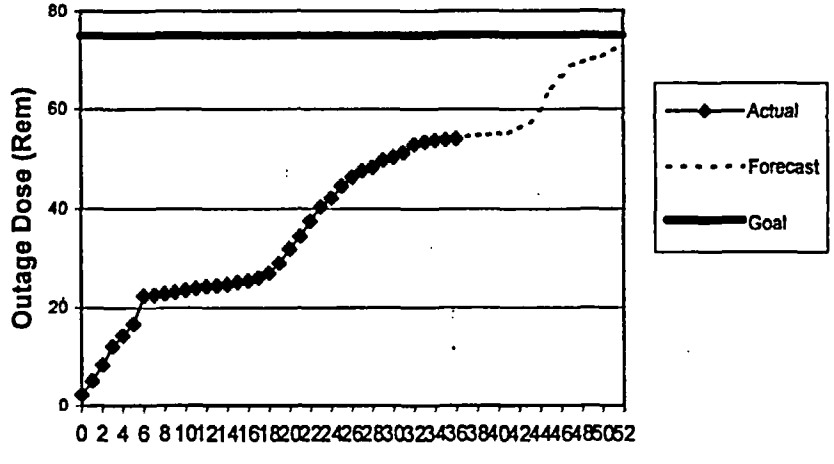
Daily PCE goal reforecast on 4/23. Daily dose reforecast on 5/8/04.

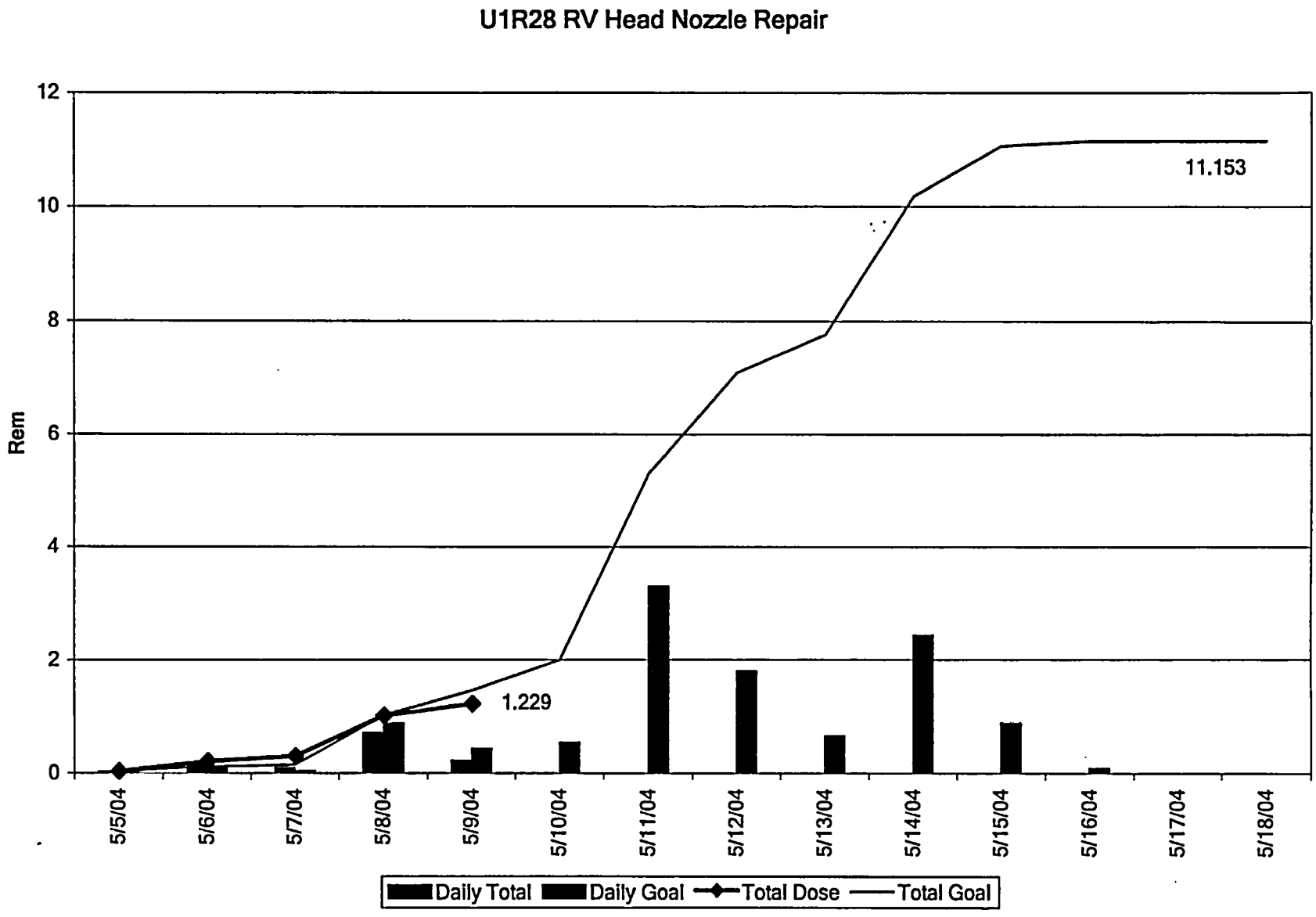
Reactor Head Repair Dose for May 9th is .216 vs. goal of .433. RV Head Total Dose is 1.229.

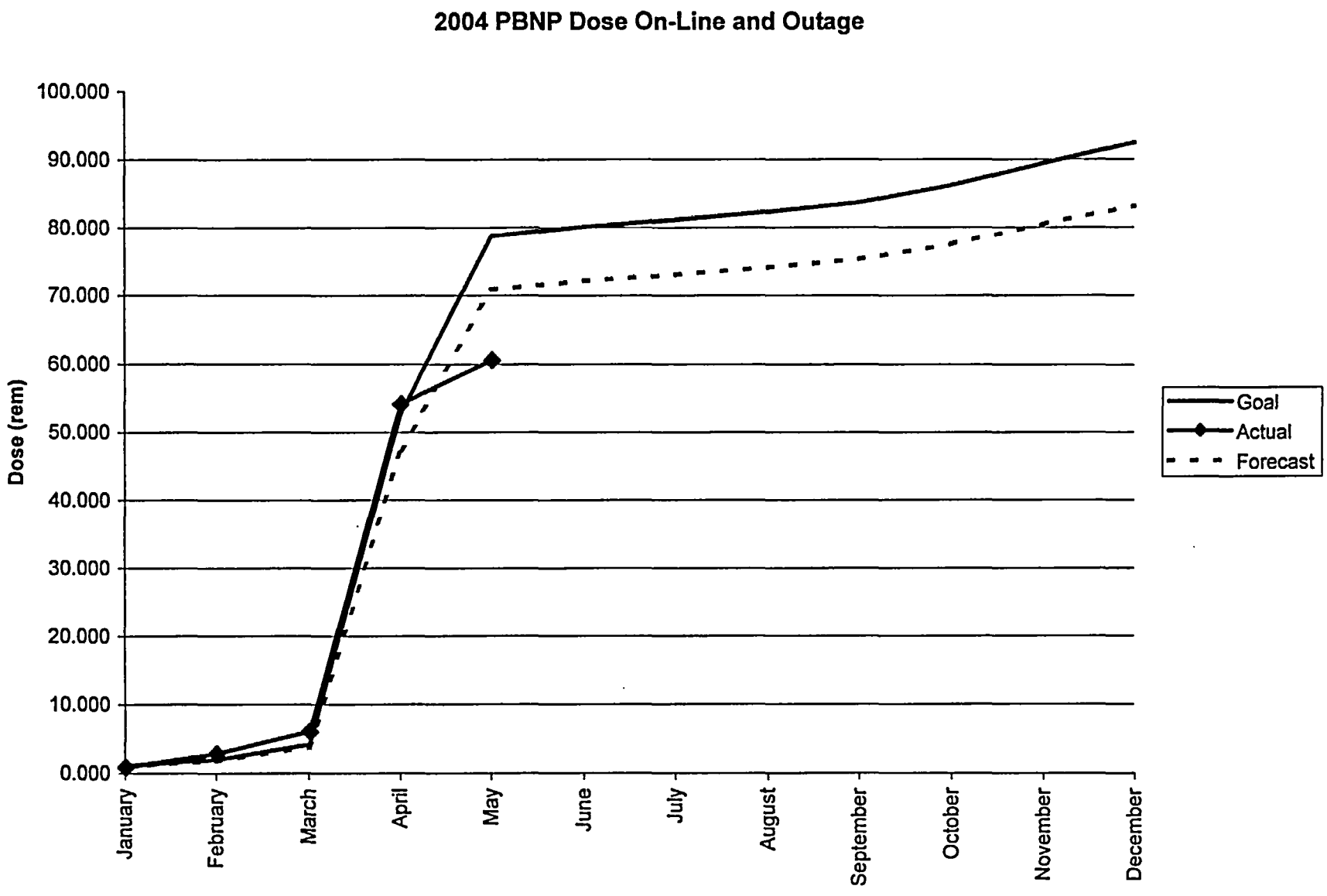
Personnel Contamination Events



Cummulative Dose Exposure




U1R28 RV Head Nozzle Repair
Rem
12
10
8
6
4
2
0
11.153
1.229
5/5/04
5/6/04
5/7/04
5/8/04
5/9/04
5/10/04
5/11/04
5/12/04
5/13/04
5/14/04
5/15/04
5/16/04
5/17/04
5/18/04
Daily Total
Daily Goal
Total Dose
Total Goal


2004 PBNP Dose On-Line and Outage
Dose (rem)
100.000
90.000
80.000
70.000
60.000
50.000
40.000
30.000
20.000
10.000
0.000
January
February
March
April
May
June
July
August
September
October
November
December
Goal
Actual
Forecast

NUCLEAR POWER BUSINESS UNIT

PBNP DAILY CHEMISTRY STATUS REPORT

Date: 05/11/04 Time: 0:00

PARAMETER	UNIT 1		UNIT 2		ACTION LEVEL(S)	
REACTOR COOLANT						
Boron, ppm	3006		1212		N/A	
Lithium, ppm	N/A		2.31		out of range	
Chloride, ppb	<5		< 5		> 50	
Fluoride, ppb	<5		< 5		> 50	
Sulfate, ppb	28		< 5		> 50	
Silica, ppb	4567		436		> 1000 at power	
Dissolved H2, cc/kg	N/A		35.8		< 25, > 50	
Specific Activity, uCi/cc	N/A		1.55E+0		>100 / E-Bar	
100/E-Bar, uCi/cc	N/A		164.4			
I-131 DE, uCi/cc	N/A		2.27E-4		> 0.8	
RWST						
Boron, ppm	2843		3061			
SiO2, ppb	4140		5120			
BDEB (last done dates)	4/28/04 0:50		4/14/04 6:00			
% Solids	6.5		4.2			
% Boric Acid	7.2		4.4			
BAST A	% Acid -- Date & Time		3.68		5/7/04 13:02	
B	% Acid -- Date & Time		3.70		5/7/04 16:07	
C	% Acid -- Date & Time		3.78		5/7/04 13:04	
STEAM GENERATORS	A	B	A	B	Action Level	INPO CPI
Chemistry Performance Index (CPI)			1.00		> 1.1 above 30% power (2)	
P/S Leak Rate, gpd	N/A		0		> 30 or > 60 gpd / hr	
Cation Cond(1), uS/cm	N/A	N/A	.057	.056	> 0.8	
Sodium, ppb	<1	5	0.1	0.1	> 5	> 0.8
Chloride, ppb	48.5	8	0.2	0.2	> 10	> 1.6
Sulfate, ppb	33.3	53	0.3	0.2	> 10	> 1.7
pH	10.03	9.96	9.73	9.67	< 8.5	
FEEDWATER	UNIT 1		UNIT 2		Action Level	INPO CPI
Iron, ppb	N/A		1.47		> 3	> 5
Copper, ppb	N/A		0.008		> 0.1	> 0.2
Dissolved O2, ppb	N/A		<5		> 5	
pH	N/A		9.69			
CONDENSATE					Action Level	
Dissolved O2, ppb	N/A		3.4		> 10	
SAE Flow (scfm)	N/A		2.8			

NOTE: Bolded Items require action by Chemistry (2) Best allowable CPI is 1.0

EMERGENT PROBLEMS / SIGNIFICANT ACTIVITIES / OTHER INFORMATION

Priority Chemistry equipment currently OOS

Both U1 Steam Generators are full and have the proper wet layup chemistry. (5/2/04)

PBNP PLANT U1 STATUS REPORT

Report Run Date: 5/11/2004 6:12:01 AM

NMC
Committed to Nuclear Excellence

PLANT SAFETY

LOST TIME ACCIDENTS	0	DOSE PREVIOUS 24 hrs (mR)	381	SITE EVENT FREE DAYS	8
DAYS SINCE LAST LTA	598	TOTAL FOR YEAR (mR)	61891		
OSHA RECORDABLES	2	% of TO DATE GOAL	103%	OVERALL U1 PLANT RISK	[redacted]
FIRST AID CASES	2	PerCon EVENTS	9		

PLANT CONDITIONS

% Power	0%	MWE Gross	0	DAYS SINCE LAST SCRAM FROM POWER	299
Mode	6	MWE Net	0	DAYS ONLINE	0
Unit Capability Factor	0%	Forced Loss Rate	0%	Days Until Next Refueling Outage	501

KEY CONTACTS

SHIFT MANAGER	DAYS: R. Harrsch	SWINGS:	NIGHTS: J. Schleif
WORK WEEK COORD/MGR	Dan Reeves	WORK CONTROL CENTER	Mike Millen
EP DUTY MANAGER	Monica Ray	PLANT MANAGER	Jim Shaw

OPERATIONS COMMENTS (24 hour Summary)

Refueling Shutdown. Aborted IT-530C "A" Train RHR/SI testing due to indication of lowering refueling cavity level. Refueling cavity level remains 23' above Rx. Vessel flange. IT-530C on hold.

UNIT SHUTDOWN OTHER LCOs

[redacted] Ex4

OPERATIONAL CONCERNS & PLANT PRIORITIES

EQUIPMENT	WO/CAP	PROBLEM	OWNER	ECD
W-190, 1/2D-205 Station Battery Room Exhaust Fan	T211408	Motor failure - failed PMT twice	J. Brander	5/11/04

PLANT HOUSEKEEPING CONCERNS

OPERATOR BURDENS PAST 24 HOURS

OPERATOR CHALLENGES

EQUIPMENT	WO/CAP	PROBLEM	OWNER	ECD

OPERATOR WORKAROUNDS

LIT ANNUNCIATORS

COORD ID	ALARM DESCRIPTION	REASON	WOCAP	DAYS IN

DEGRADED INSTRUMENTS

TEMPORARY MODIFICATION

EQUIPMENT	WO/CAP	MODIFICATION	OWNER	ECD

PLANT PERFORMANCE

Plant Performance Summary			*Primary System*			*Secondary System*		
Generator Gross	0	Mwe	Total RCS LKRT	0	gpm	Forebay Temp	53	F
Generator Net	0	Mwe	RCS Identified LKRT	0	gpm	Lake Temp	57	F
Reactor Power	0	MWth	RCS Unidentified LKRT	0	gpm			
GrossHeatRate	0	BTU/kW	Primary to Secondary LKRT (Rad Gas)					
				LP "A"		LP "B"		

		0 gpd	0 gpd		
Primary Chemistry			*Secondary Chemistry*		
				LP "A"	LP "B"
RCS Boron	3057	ppm	Sodium (ppb)	<1	5
RCS H2		cc/kg	Chloride (ppb)	48.5	8
Gross Activity		uCi/gm	SulfateLPA	33.3	53
DE-131		uCi/gm	INPO CPI		

PBNP U2 PLANT STATUS REPORT

Report Run Date: 5/11/2004 6:12:02 AM

NMC
Committed to Nuclear Excellence

PLANT SAFETY					
LOST TIME ACCIDENTS	0	DOSE PREVIOUS 24 hrs (mR)	381	SITE EVENT FREE DAYS	8
DAYS SINCE LAST LTA	598	TOTAL FOR YEAR (mR)	61891		
OSHA RECORDABLES	2	% of TO DATE GOAL	103%	OVERALL U2 PLANT RISK	Yellow
FIRST AID CASES	2	PerCon EVENTS	9		

PLANT CONDITIONS					
% Power	100%	MWE Gross	543	DAYS SINCE LAST SCRAM FROM POWER	304
Mode	1	MWE Net	521	DAYS ONLINE	173
Unit Capability Factor		Forced Loss Rate		Days Until Next Refueling Outage	326

KEY CONTACTS			
SHIFT MANAGER	DAYS: R. Harrsch	SWINGS:	NIGHTS: J. Schleif
WORK WEEK COORD/MGR	Dan Reeves	WORK CONTROL CENTER	Mike Millen
EP DUTY MANAGER	Monica Ray	PLANT MANAGER	Jim Shaw

OPERATIONS COMMENTS (24 hour Summary)

Full Power Operation

UNIT SHUTDOWN OTHER LCOs

EQUIPMENT	WO/CAP	ENTRY DATE	LCO DAYS	OWNER	ECD
2RC-508 RMW Supply valve		11/9/2003	31 day TSAC 3.6.3. A	M Rosseau	5/23/2004

OPERATIONAL CONCERNS & PLANT PRIORITIES

EQUIPMENT	WO/CAP	PROBLEM	OWNER	ECD
2RC-508 U2C Reactor Makeup Supply	WO 0203446	Valve comes off shut seat when RMW pump starts	M.Millen/J. Marean	5/14/04
Unit 2, Excess Letdown Flow	CAP051746	Inadequate excess letdown flow	N.Stuart	6/11/04
2RE-215, 2HX-46 Air Ejector Gas Monitor		Elevated indication, temperature related.	B.Carberry	5/14/04
2TE-2259, 2P-28B SGFP Discharge Temperature Element	T204297	Minor steam leak	J.Brander	5/7/04
W-190, 1/2D-205 Station Battery Room Exhaust Fan	T211408	Motor failure - failed PMT twice	J. Brander	5/11/04

PLANT HOUSEKEEPING CONCERNS

OPERATOR BURDENS PAST 24 HOURS

OPERATOR CHALLENGES

EQUIPMENT	WO/CAP		PROBLEM		OWNER	ECD

OPERATOR WORKAROUNDS

LIT ANNUNCIATORS

COORD ID	ALARM DESCRIPTION	REASON	WOCAP	DAYS IN

DEGRADED INSTRUMENTS

TEMPORARY MODIFICATION

EQUIPMENT	WO/CAP	MODIFICATION	OWNER	ECD

PLANT PERFORMANCE

Plant Performance Summary			*Primary System*			*Secondary System*		
Generator Gross	543	Mwe	Total RCS LKRT	0.12	gpm	Forebay Temp	53	F
Generator Net	521	Mwe	RCS Identified LKRT	0.02	gpm	Lake Temp	57	F
Reactor Power	1538	MWth	RCS Unidentified LKRT	0.10	gpm			
GrossHeatRate	0	BTU/kW	Primary to Secondary LKRT (Rad Gas)					
				LP "A"		LP "B"		
				0	gpd	0	gpd	

Primary Chemistry			*Secondary Chemistry*	LP "A"	LP "B"
RCS Boron	1226	ppm	Sodium (ppb)	0.1	0.1
RCS H2	35.8	cc/kg	Chloride (ppb)	0.2	0.2
Gross Activity	1.55E+0	uCi/gm	SulfateLPA	0.3	0.2
DE-131	2.27E-4	uCi/gm	INPO CPI	1	

NMC
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Outage Status Report

Plant: Point Beach Unit 1 **Day:** Tuesday **Today's Date / Time:** 5/11/04 0400

Outage Duration: Day 38 Of Refueling Outage Number U1R28

Safety Status

Industrial - Within the last 12 hours

OSHA Recordables 0 First Aid cases 1 Significant near misses 0

Total for this outage 1

Summary: Individual received burn to hand - first aid required.

Radiological

Dose to date 53.901 Projected to date * 54.246 Outage Goal ≤75 R

Difference -.345 * Reforecast on 5/8 Number of PCEs 9

Summary: Rector Head Repair Dose as of May 9th is .216 vs. goal of .433. RV Head Total Dose is 1.229.

Nuclear

Significant human performance errors and events in last 24 hours 0

Summary:

Plant Status

Mode: ☐ Hot Standby *(Mode 3)* ☐ Hot Shutdown *(Mode 4)* ☐ Cold Shutdown *(Mode 5)* ☒ Refueling Shutdown *(Mode 6)*

RCS: Temperature: 77 Pressure: Vented to Atmosphere RV Level: Refueling Height

Time to Boil: 40 hours

Shutdown Safety Assessment Protected Equipment:

ex 4

Major Activities Completed in Last 24 Hours

- IT-1A "B" SI Pump Operability Test
- Down Power and Recovery of 1B41 MCC
- LRPM and Piggyback Test of "B" Train SI

Critical Path and Near Critical Path Activities (Next 24 Hours)

- Continue Reactor Vessel Head Pen #26 Repair
- Complete CVCS Restoration
- LRPM and Piggyback Test of "A" Train SI
- Preps for Reactor Vessel Internals Lift

Significant Outstanding Issues

Date	Issue	Due	Responsibility
5/03/04	Reactor Vessel Head Repair Penetration #26	5/16/04	Jim Schweitzer
5/07/04	1HS-1 "A" S/G Main Steam Snubber Tail Rod	5/11/04	Jim M. Wilson

Upcoming Major Milestones

	Scheduled		Actual			Scheduled		Actual	
	Date	Time	Date	Time		Date	Time	Date	Time
Cooldown <200°	4/03/04	2100	4/03/04	2230	RCS Fill & Vent	4/23/04	1500		
Head Lift	4/09/04	0900	4/21/04	1550	Heatup >200°	4/25/04	0900		
Refueled	4/14/04	0300	5/02/04	1848	Reactor Critical	4/28/04	0800		
RV Headset	4/18/04	1900			On-Line	4/30/04	0100		

P O I N T B E A C H N U C L E A R P L A N T
12 WEEK SURVEILLANCES - MANAGEMENT REPORT
WITH SCHEDULED DATE AND TECH SPEC DUE DATE
SORTED BY SCHEDULED DUE DATE
WE4920.PBNP.TRENDING/PB0071.OPS.PROGRAMS(TSPECSU1)

SCHEDULED DUE DATE IS LESS THAN OR EQUAL TO05/11/2004

UNITST	WRK ORD	EQUIP ID	GRP	FRQ	CALLUP	DESCRIPTION	LAST	DUED	SKED	TSDUE	10%	25%	DEFER	ACT
PB0	74 0308970	DA-03055B	MM	8A1	M-RELVLV	REPLACE RELIEF VAL		02/13/2004	06/14/2004	.	11/27/2004	02/02/2006.		C01A1
PB0	74 0308971	DA-03055C	MM	8A1	M-RELVLV	REPLACE RELIEF VAL		02/13/2004	06/14/2004	.	11/27/2004	02/02/2006.		C01A1
PB0	74 0308972	DA-03055D	MM	8A1	M-RELVLV	REPLACE RELIEF VAL		02/13/2004	06/14/2004	.	11/27/2004	02/02/2006.		C01A1
PB1	40 0214362	ICP-02.001	IC	CW1	PB1-1	RP AND SG ANALOG T	12/29/2003	03/22/2004		03/29/2004	03/31/2004	04/12/2004.	05/31/2004	NO-PX
PB1	40 0214363	ICP-02.007	IC	CW1	PB1	POWER RANGE NIS TE	12/30/2003	03/23/2004		03/30/2004	04/01/2004	04/13/2004.	05/31/2004	NO-PX
PB1	40 0214364	ICP-02.001	IC	CW1	PB1-2	RP AND SG ANALOG T	01/05/2004	03/24/2004		04/05/2004	04/02/2004	04/19/2004.	05/31/2004	NO-PX
PB1	40 0214371	ICP-02.001	IC	CW1	PB1-3	RP AND SG ANALOG T	01/07/2004	03/29/2004		04/07/2004	04/07/2004	04/21/2004.	05/31/2004	NO-PX
PB1	40 9950082	ICP-02.003	IC	8W1	PB1-2	RP LOGIC TEST - TR	02/03/2004	03/30/2004		04/03/2004	04/05/2004	04/13/2004.	05/31/2004	NO-PX
PB1	40 0214375	ICP-02.001	IC	CW1	PB1-4	RP AND SG ANALOG T	01/07/2004	03/31/2004		04/07/2004	04/09/2004	04/21/2004.	05/31/2004	NO-PX
PB1	76 0215122	A52-04	APR	IM2	A-R	UNDERFREQUENCY REL	10/07/2002	04/01/2004	05/13/2004	04/08/2004	05/25/2004	08/23/2004.		128EM
PB1	76 0215123	A52-14	APR	IM2	A-R	UNDERFREQUENCY REL	10/07/2002	04/01/2004	05/19/2004	04/08/2004	05/25/2004	08/23/2004.		128EM
PB1	76 0301896	CV	EPI	3A2	CV-1PT-1	VT-2 ASME XI PERIO	05/08/2001	04/01/2004	05/26/2004	05/07/2004	07/19/2004	02/04/2005.		128EN
PB1	76 0216170	FIRE-BARRI	EM	IM2	E-M18	INSPECT AND MAINTA	10/04/2002	04/01/2004	05/09/2004	04/05/2004	05/25/2004	08/20/2004.		128EM
PB0	76 0210963	G-01	EM	GO1	E-A2	2 YEAR ELECTRICAL	06/15/2002	04/01/2004	06/14/2004	.	06/05/2004	09/10/2004.		C01A1
PB0	76 0215148	G-01	EM	IM2	E-R	MONITOR EMERGENCY	09/17/2002	04/01/2004	04/06/2004	03/19/2004	05/25/2004	08/03/2004.		128EM
PB0	40 0214235	G-01	MM	GO1	M-A2	INSPECTION AND MAI	11/19/2001	04/01/2004		.	06/05/2004	02/15/2004.	06/14/2004	NO-PX
PB0	76 0214236	G-01	MM	CA2	M-A2-1 GRP	GROUP B MECHANICAL		04/01/2004	06/13/2004	.	06/13/2005	04/01/2007.		C01A1
PB0	76 0215149	G-02	EM	IM2	E-R	MONITOR EMERGENCY	09/17/2002	04/01/2004	04/05/2004	03/19/2004	05/25/2004	08/03/2004.		128EM
PB1	76 0300803	ICP-02.008	IC	IM2	PB1-1	NI AXIAL OFFSET CA	11/08/2002	04/01/2004	05/29/2004	05/10/2004	05/25/2004	09/24/2004.		128IC
PB1	76 0300804	ICP-02.008	IC	IM2	PB1-1	NI POWER RANGE OVE	10/21/2002	04/01/2004	05/30/2004	04/22/2004	05/25/2004	09/06/2004.		128IC
PB1	76 0300805	ICP-02.009	IC	IM2	PB1-1	INTERMEDIATE RANGE	10/10/2002	04/01/2004	05/15/2004	04/11/2004	05/25/2004	08/26/2004.		128IC
PB1	76 0300806	ICP-02.010	IC	IM2	PB1-1	SOURCE RANGE INSTR	10/11/2002	04/01/2004	05/15/2004	04/12/2004	05/25/2004	08/27/2004.		128IC
PB1	76 0300807	ICP-02.015	IC	IM2	PB1-1	REACTOR PROTECTION	10/06/2002	04/01/2004	04/30/2004	04/07/2004	05/25/2004	08/22/2004.		128IC
PB1	76 0300810	ICP-02.017	IC	IM2	PB1-1	RP SYSTEM TRIP LOG	10/14/2002	04/01/2004	05/26/2004	04/15/2004	05/25/2004	08/30/2004.		128IC
PB1	76 0300811	ICP-02.017	IC	IM2	PB1-1	RP SYSTEM AUTOMATI	10/06/2002	04/01/2004	05/20/2004	04/07/2004	05/25/2004	08/22/2004.		128IC
PB1	76 0300812	ICP-02.018	IC	IM2	PB1-1	RX TRIP BKR AND TU	10/05/2002	04/01/2004	05/11/2004	04/06/2004	05/25/2004	08/21/2004.		128IC
PB1	76 0300813	ICP-02.019	IC	IM2	PB1-STARTU	SAFEGUARDS LOGIC T	10/05/2002	04/01/2004	05/15/2004	04/06/2004	05/25/2004	08/21/2004.		128IC
PB1	76 0300818	ICP-02.020	IC	IM2	PB1-1	RP AND SG ANALOG T	10/14/2002	04/01/2004	05/26/2004	04/15/2004	05/25/2004	08/30/2004.		128IC
PB1	76 0300819	ICP-02.020	IC	IM2	PB1-2	RP AND SG ANALOG T	10/14/2002	04/01/2004	05/26/2004	04/15/2004	05/25/2004	08/30/2004.		128IC
PB1	76 0300836	ICP-04.022	IC	IM2	PB1	CONTAINMENT SUMP L	09/19/2002	04/01/2004	05/19/2004	03/21/2004	05/25/2004	08/05/2004.		128IC
PB1	76 0300840	ICP-04.028	IC	IM2	PB1	IOPS AND CROSSOVER	10/04/2002	04/01/2004	05/11/2004	04/05/2004	05/25/2004	08/20/2004.		128IC
PB1	76 0300842	ICP-04.029	IC	IM2	PB1-1	ICP 4.29-2 OR -3 R	10/15/2002	04/01/2004	05/26/2004	04/16/2004	05/25/2004	08/31/2004.		128IC
PB0	75 0208508	ICP-13.007	IC	GO1	G-01	G-01 DIESEL INSTRU	06/14/2002	04/01/2004	06/14/2004	.	06/05/2004	09/09/2004.	06/20/2004	C01A1
PB1	76 0300896	ICP-13.015	IC	IM2	PB1	SV/AST RPS MATRIX	10/17/2002	04/01/2004	05/28/2004	04/18/2004	05/25/2004	09/02/2004.		128IC
PB1	77 0215885	O-IT-0001A	OP6	IM2	OT	IT-01A, HIGH HEAD	10/10/2002	04/01/2004	05/23/2004	04/11/2004	05/25/2004	08/26/2004.	05/24/2004	128OP
PB1	77 0215886	O-IT-0003A	OP6	IM2	OT	IT-03A, RHR PUMP A	09/28/2002	04/01/2004	05/01/2004	03/30/2004	05/25/2004	08/14/2004.		128OP

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UNIT	ST	WRK ORD	EQUIP ID	GRP	FRQ	CALLUP	DESCRIPTION	LAST	DUED	SKED	TSDUE	10%	25%	DEFER	ACT
PB1	77	0215887	O-IT-0003B	OP6	IM2	OT	IT-03B, LOW HEAD S	10/11/2002	04/01/2004	03/29/2004	04/12/2004	05/25/2004	08/27/2004.		128OP
PB1	77	0215890	O-IT-0005B	OP6	IM2	OT	IT-05B, CONT SPRAY	10/07/2002	04/01/2004	05/19/2004	04/08/2004	05/25/2004	08/23/2004.	05/24/2004	128OP
PB1	77	0215891	O-IT-0008C	OP6	IM2	OT	IT-08C, TDAFP MINI		04/01/2004	05/22/2004		. 05/25/2004	08/16/2004.		128OP
PB1	77	0215892	O-IT-0090A	OP6	IM2	OT	IT-90A, UNIT 1 ATM	10/13/2002	04/01/2004	05/25/2004	04/14/2004	05/25/2004	08/29/2004.		128OP
PB1	77	0215895	O-IT-0230	OP6	IM2	OT	IT-230, U1 CLASS 1	10/14/2002	04/01/2004	05/26/2004	04/15/2004	05/25/2004	08/30/2004.		128OP
PB1	77	0215899	O-IT-0280A	OP6	IM2	OT	IT-280A, U1 MS STO	09/18/2002	04/01/2004	05/15/2004	03/20/2004	05/25/2004	08/04/2004.		128OP
PB1	77	0215900	O-IT-0290.	OP6	IM2	OT	IT-290.1, AFP DISC	10/12/2002	04/01/2004	05/22/2004	04/13/2004	05/25/2004	08/28/2004.		128OP
PB1	70	0215901	O-IT-0290B	OP6	IM2	OT	IT-290B, 1P-29 AFP	10/14/2002	04/01/2004	05/25/2004	04/15/2004	05/25/2004	08/30/2004.		128OP
PB1	70	0215902	O-IT-0290C	OP6	IM2	OT	IT-290C, COMPLETE	10/07/2002	04/01/2004	06/11/2004	04/08/2004	05/25/2004	08/23/2004.		128NS
PB1	77	0215906	O-IT-0300C	OP6	IM2	OT	IT-300C, UNIT 1 FE	10/04/2002	04/01/2004	05/12/2004	04/05/2004	05/25/2004	08/20/2004.		128OP
PB1	77	0215908	O-IT-0320	OP6	IM2	OT	IT-320, 1CV-371 AN	10/01/2002	04/01/2004	05/21/2004	04/02/2004	05/25/2004	08/17/2004.		128OP
PB1	77	0215910	O-IT-0330	OP6	IM2	OT	IT-330, UNIT 1 CON	10/04/2002	04/01/2004	05/20/2004	04/05/2004	05/25/2004	08/20/2004.		128OP
PB1	70	0215912	O-IT-0510B	OP6	IM2	OT	IT-510B, U1 SI TES	10/06/2002	04/01/2004	05/13/2004	04/07/2004	05/25/2004	08/22/2004.		128OP
PB1	77	0215913	O-IT-0520B	OP6	IM2	OT	IT-520B, 1SI-896A/	10/01/2002	04/01/2004	05/20/2004	04/02/2004	05/25/2004	08/17/2004.		128OP
PB1	77	0215916	O-IT-0530C	OP6	IM2	OT	IT-530C, LRPM PROG	09/30/2002	04/01/2004	05/11/2004	04/01/2004	05/25/2004	08/16/2004.		128OP
PB1	77	0215918	O-IT-0530E	OP6	IM2	OT	IT-530E, LRPM TEST	10/12/2002	04/01/2004	05/22/2004	04/13/2004	05/25/2004	08/28/2004.		128OP
PB1	77	0215922	O-IT-0580	OP6	IM2	OT	IT-580, UNIT 1 PAS	09/29/2002	04/01/2004	05/20/2004	03/31/2004	05/25/2004	08/15/2004.		128OP
PB1	77	0215925	O-IT-0740	OP6	IM2	OT	IT-740, UNIT 1 MAI	10/08/2002	04/01/2004	05/12/2004	04/09/2004	05/25/2004	08/24/2004.		128OP
PB1	77	0215927	O-IT-0770	OP6	IM2	OT	IT-770, U1 SPRAY S	10/07/2002	04/01/2004	05/17/2004	04/08/2004	05/25/2004	08/23/2004.		128OP
PB1	77	0216004	O-TS-010.2	OP6	IM2	OT	TS-10, U1C PERSONN	10/12/2002	04/01/2004	05/23/2004	04/13/2004	05/25/2004	08/28/2004.		128OP
PB1	77	0216005	O-TS-030	OP6	IM2	OT	TS-30, U1 HIGH/LOW	10/13/2002	04/01/2004	05/22/2004	04/14/2004	05/25/2004	08/29/2004.		128OP
PB1	70	0216006	O-TS-035.2	OP6	IM2	OT	TS-35, UNIT 1 CONT	10/12/2002	04/01/2004	05/23/2004	04/13/2004	05/25/2004	08/28/2004.		128OP
PB1	77	0216007	O-TS-039	OP6	IM2	OT	TS-39, UNIT 1 MSIV	10/16/2002	04/01/2004	05/28/2004	04/17/2004	05/25/2004	09/01/2004.		128OP
PB1	76	0305079	PT-RCS-1	EPI	IM2	1-PT-RCS-1	RCS PRESSURE TEST	01/22/2003	04/01/2004	05/26/2004	07/24/2004	05/25/2004	12/08/2004.		128EN
PB1	40	0214138	RC-00434-L	MMV	IM2	M-R	HISTORY REVIEW AND	10/08/2002	04/01/2004	05/10/2004	04/09/2004	05/25/2004	08/24/2004.		128NS
PB1	77	0301878	RE-00126	HP	IM2	RMSCALAPR.	1RE-126/1RE-127/1R	09/28/2002	04/01/2004	05/19/2004	03/30/2004	05/25/2004	08/14/2004.		128RP
PB1	77	0213863	RESP 3.1	PRE	IM2	RE	PRIMARY SYSTEM TES	10/16/2002	04/01/2004	05/26/2004	04/17/2004	05/25/2004	09/01/2004.		128EN
PB1	77	0213864	RESP 4.1	PRE	IM2	RE	INITIAL CRITICALIT	10/16/2002	04/01/2004	05/27/2004	04/17/2004	05/25/2004	09/01/2004.		128EN
PB1	77	0213865	RESP 5.2	PRE	IM2	RE	RE TESTS DURING ES	10/29/2002	04/01/2004	05/28/2004	04/30/2004	05/25/2004	09/14/2004.		128EN
PB1	77	0213851	RESP 6.2	PRE	IM2	RE	VERIFY RCS FLOW RA	02/11/2003	04/01/2004	05/31/2004	08/13/2004	05/25/2004	12/28/2004.		128EN
PB1	76	0301904	SI	EPI	3A2	SI-1PT-2	VT-2 ASME XI PERIO	05/03/2001	04/01/2004	05/19/2004	05/02/2004	07/19/2004	01/30/2005.		128EN
PB1	76	0301905	SI	EPI	3A2	SI-1PT-6	VT-2 ASME XI PERIO	05/08/2001	04/01/2004	05/26/2004	05/07/2004	07/19/2004	02/04/2005.		128EN
PB1	76	0301986	SNUBBERS	EPT	IM2	M-R-1	VISUAL SNUBBER INS	10/05/2002	04/01/2004	04/08/2004	04/06/2004	05/25/2004	08/21/2004.		128EN
PB1	76	0214145	SNUBBERS	MM	IM2	M-R-3	INSPECT STEAM GENE	10/13/2002	04/01/2004	05/26/2004	04/14/2004	05/25/2004	08/29/2004.		128MM
PB1	77	0407987	TS-AF-001	OP6	IM2	OT	DOCUMENTATION OF A		04/01/2004			. 05/25/2004	08/14/2004.		
PB1	60	0301907	U1-CONTAIN	EPI	IM2	CG-COREINS	VISUAL/ULTRASONIC	10/02/2002	04/01/2004	04/18/2004	04/03/2004	05/25/2004	08/18/2004.		128NS

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PB1	60	0301908	U1-CONTAIN	EPI	IM2	CG-KEYINSP	VISUAL INSPECTION	09/20/2002	04/01/2004	04/04/2004	03/22/2004	05/25/2004	08/06/2004.		128NS
PB1	77	0301909	U1-CONTAIN	EPI	IM2	CG-VT3GA	CONT INSPECTION IW	10/04/2002	04/01/2004	04/30/2004	04/05/2004	05/25/2004	08/20/2004.		128EN
PB1	77	0301910	U1-CONTAIN	EPI	IM2	M-A	INSPECT CONTAINMEN	10/04/2002	04/01/2004	04/28/2004	04/05/2004	05/25/2004	08/20/2004.		128EN
PB1	76	0306921	1ICP-02.02	IC	IM2	PB1-STARTU	POWER RANGE NIS TE	07/17/2003	04/01/2004	05/13/2004	01/16/2005	05/25/2004	05/22/2005.		128IC
PB1	76	0300972	1ICP-04.01	IC	IM2	PB1	FIRST STAGE PRESSU	09/27/2002	04/01/2004	04/23/2004	03/29/2004	05/25/2004	08/13/2004.		128IC
PB1	76	0300976	1ICP-04.03	IC	IM2	PB1	TURBINE VALVE CALI	10/06/2002	04/01/2004	05/06/2004	04/07/2004	05/25/2004	08/22/2004.		128IC
PB1	76	0215240	162-A	EM	IM2	E-R	1MS-2019 AND 1MS-2	09/25/2002	04/01/2004	05/19/2004	03/27/2004	05/25/2004	08/11/2004.		128EM
PB1	76	0215246	62/A01	EM	IM2	E-R	CALIBRATE AND TEST	10/03/2002	04/01/2004	05/12/2004	04/04/2004	05/25/2004	08/19/2004.		128EM
PB1	76	0301678	62/A01	EM	TM2	E-R7	SEVENTH YEAR UV BU		04/01/2004	05/22/2004	.	12/30/2004	02/14/2006.		128NS
PB1	71	0215247	62/A02	EM	IM2	E-R	CALIBRATE AND TEST	10/01/2002	04/01/2004	05/19/2004	04/02/2004	05/25/2004	08/17/2004.		128EM
PB1	71	0301677	62/A02	EM	TM2	E-R7	SEVENTH YEAR UV BU		04/01/2004	05/22/2004	.	12/30/2004	02/14/2006.		128NS
PB1	60	0308967	SI-00840B	MM	6A1	M-RELVLV	REPLACE RELIEF VAL		04/10/2004		.	11/12/2004	10/02/2005.	10/01/2005	NO-PX
PB1	77	0215802	O-TS-033	OP1	4W1	OT	TS-33, U1C ACCIDEN	03/23/2004	04/20/2004	05/10/2004	04/23/2004	04/23/2004	04/27/2004.		128OP
PB1	76	0300396	CHEM-SAMPL	CH		ACCUM.UNIT	UNIT 1 SI ACCUMULA		04/22/2004	04/22/2004	.	04/25/2004	04/29/2004.		B05A1
PB1	40	9950079	ICP-02.003	IC	8W1	PB1-1	RP LOGIC TEST - TR	02/26/2004	04/22/2004	05/10/2004	04/26/2004	04/28/2004	05/06/2004.	05/28/2004	128NS
PB1	40	0300735	ICP-02.005	IC	8W1	PB1-1	SG LOGIC TEST - TR	02/26/2004	04/22/2004	05/10/2004	04/26/2004	04/28/2004	05/06/2004.	05/28/2004	128NS
PB1	77	0215848	TS-CCW-001	OP3	1M2	OT	CC SYSTEM VALVE PO	03/25/2004	04/25/2004	05/10/2004	04/25/2004	04/28/2004	05/01/2004.		B06B1
PB1	77	0215838	O-TS-032	OP2	4W1	OT	TS-32, MISCELLANEO	03/29/2004	04/26/2004	04/26/2004	04/29/2004	04/29/2004	05/03/2004.		B06B1
PB1	77	0303210	TS-ECCS-00	OP3	4W1	OT	SAFEGUARDS SYSTEM	03/28/2004	04/27/2004	05/10/2004	04/28/2004	04/30/2004	05/02/2004.		B06B1
PB0	60	0301810	G-04	EM	GO1	E-A2	2 YEAR ELECTRICAL	07/20/2002	04/30/2004	07/12/2004	.	07/04/2004	10/15/2004.		C05A1
PB0	70	0300727	ICP-13.007	IC	GO1	G-04	G-04 DIESEL INSTRU	07/19/2002	04/30/2004	07/12/2004	.	07/04/2004	10/14/2004.	07/19/2004	C05A1
PB0	40	0301098	G-04	MM	GO1	M-A2	INSPECTION AND MAI	08/20/2002	05/01/2004	07/12/2004	.	07/05/2004	11/15/2004.		C05A1
PB2	77	0216159	O-IT-0095	OP3	CW1	OT	IT-95, UNIT 2 ATMO	02/07/2004	05/01/2004	05/21/2004	05/08/2004	05/09/2004	05/22/2004.	05/22/2004	B09A1
PB2	77	0216098	O-TS-004	OP1	CW1	OT	TS-4, U2 MAIN TURB	02/08/2004	05/02/2004	05/21/2004	05/09/2004	05/10/2004	05/23/2004.	05/23/2004	B09A1
PB2	77	0216099	PT-MS-003	OP1	CW1	OT	CROSSOVER STEAM DU	02/08/2004	05/02/2004	05/23/2004	05/09/2004	05/10/2004	05/23/2004.	05/23/2004	B09A1
PB1	77	0301546	TS-ECCS-00	OP2	1M2	OT	SAFEGUARD SYSTEMS	04/02/2004	05/03/2004	05/03/2004	05/03/2004	05/06/2004	05/09/2004.		B07A2
PB0	77	0301326	O-IT-0072	OP1	CW1	OT	IT-72, SERVICE WAT	02/14/2004	05/05/2004	05/12/2004	05/15/2004	05/14/2004	05/29/2004.		B08B2
PB1	77	0301487	O-TS-010AB	OP1	1W1	OT	TS-10A, U1C AIR LO	04/30/2004	05/07/2004	05/11/2004	05/07/2004	05/07/2004	05/08/2004.		B07A2
PB1	77	0301515	TS-PAM-001	OP1	4W1	OT	MISCELLANEOUS EQUI	04/10/2004	05/08/2004	05/08/2004	05/11/2004	05/11/2004	05/15/2004.		B07A2
PB0	77	0300198	CHEM-SAMPL	CH	1W1	BAST BORON	BAST BORON TSR 3.5	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB1	77	0300404	CHEM-SAMPL	CH	1W1	RCS BORON	RCS BORON SR 3.9.1	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB2	77	0300484	CHEM-SAMPL	CH	1W1	RCS BORON	RCS BORON SR 3.9.1	05/06/2004	05/10/2004	05/10/2004	05/13/2004	05/10/2004	05/14/2004.		B08B2
PB1	77	0300361	CHEM-SAMPL	CH	1W1	RCS CL	RCS CL TSR 3.4.5.2	05/08/2004	05/10/2004	05/10/2004	05/15/2004	05/10/2004	05/16/2004.		B08B2
PB2	77	0300501	CHEM-SAMPL	CH	1W1	RCS CL	RCS CL TSR 3.4.5.2	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB1	77	0300374	CHEM-SAMPL	CH	1W1	RCS DO	RCS DO TSR 3.4.5.1	05/05/2004	05/10/2004	05/10/2004	05/12/2004	05/10/2004	05/13/2004.		B08B2
PB2	77	0300514	CHEM-SAMPL	CH	1W1	RCS DO	RCS DO TSR 3.4.5.1	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2

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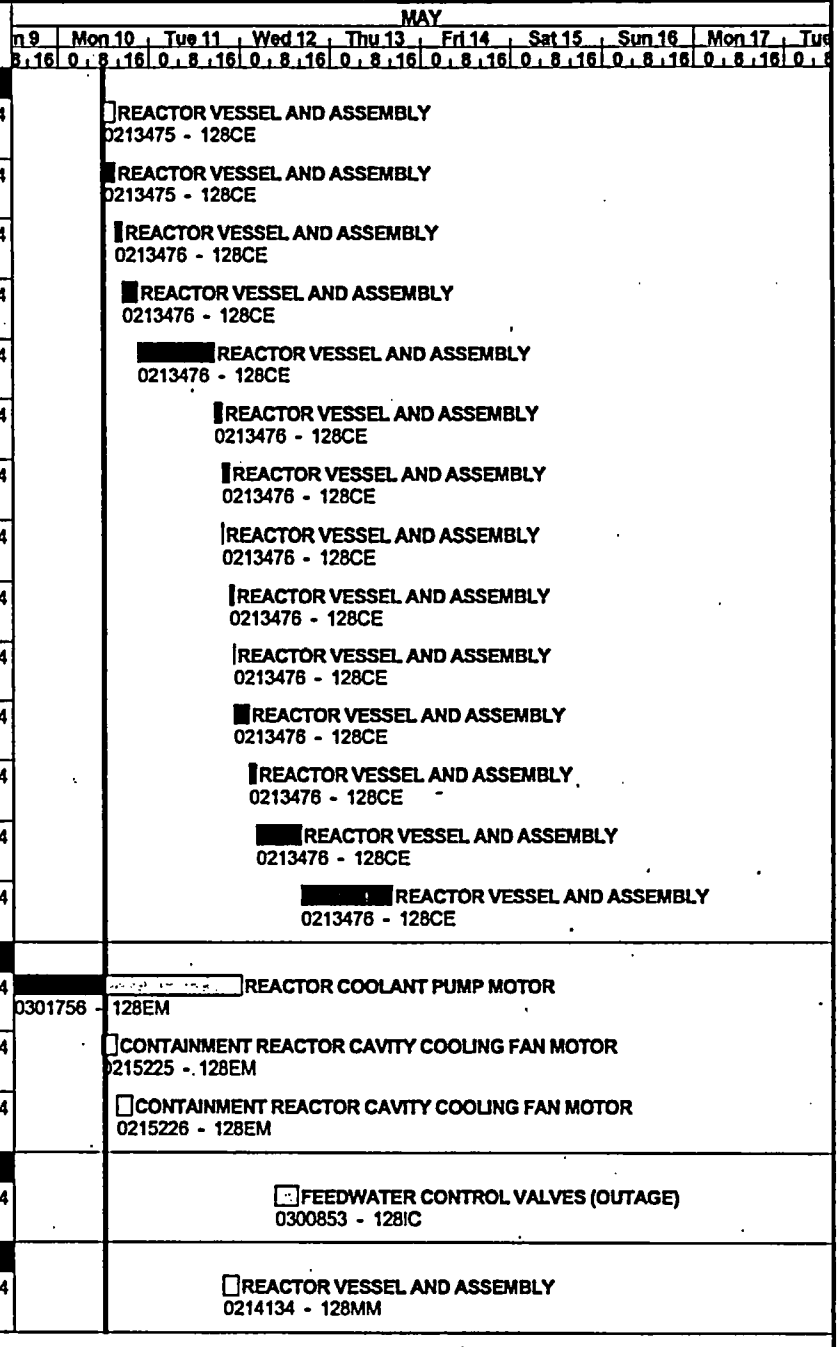
PB1	77	0300417	CHEM-SAMPL	CH	1W1	RCS FLUORI	RCS FL TSR 3.4.5.3	05/03/2004	05/10/2004	05/10/2004	05/10/2004	05/10/2004	05/11/2004.		B08B2
PB2	77	0300540	CHEM-SAMPL	CH	1W1	RCS FLUORI	RCS FL TSR 3.4.5.3	05/03/2004	05/10/2004	05/10/2004	05/10/2004	05/10/2004	05/11/2004.		B08B2
PB1	77	0300430	CHEM-SAMPL	CH	1W1	RCS SPEC A	RCS GROSS ACTIVITY	05/03/2004	05/10/2004	05/10/2004	05/10/2004	05/10/2004	05/11/2004.		B08B2
PB1	77	0300443	CHEM-SAMPL	CH	1W1	RE-229	RE-229 ISOTOPIC	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB2	77	0300553	CHEM-SAMPL	CH	1W1	RE-229	RE-229 ISOTOPIC	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB1	77	0300388	CHEM-SAMPL	CH	1W1	SGBDFO	SGBDFO GAMMA SCAN	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB2	77	0300527	CHEM-SAMPL	CH	1W1	SGBDFO	SGBDFO GAMMA SCAN	05/07/2004	05/10/2004	05/10/2004	05/14/2004	05/10/2004	05/15/2004.		B08B2
PB1	77	0300453	CHEM-SAMPL	CH	2W1	RCS DE I-1	RCS DOSE EQUIVALEN	04/27/2004	05/11/2004	05/11/2004	05/11/2004	05/12/2004	05/14/2004.		B08B2
PB2	77	0301645	O-IT-0013	OP3	CW1	OT	IT-13, 2P-11A/B CC	02/20/2004	05/11/2004	05/13/2004	05/21/2004	05/20/2004	06/04/2004.		B08B2
PB2	77	0303335	TS-ECCS-00	OP3	4W1	OT	SAFEGUARDS SYSTEM	04/14/2004	05/11/2004	05/11/2004	05/15/2004	05/14/2004	05/19/2004.		B08B2
PB0	76	0305205	T25V	EM		E-W	STATION TECH SPEC		05/11/2004	05/11/2004	.	05/11/2004	05/12/2004.		B08B2

Work Activity Risk Assignment

U	ACT ID	WO ST	GRP	HPE RISK	EQUIPMENT	Activity Description	Cal ID	DUR	START	FINISH
CONSTRUCTION ENG - L. GAUTHIER										
1	CEI600R019	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - PERFORM WELD ON SLEEVE SAMPLE	1	3	10MAY04 12:00*	10MAY04 14:59
1	CEI600R024	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - ROLL / EXPAND PENETRATION	1	3	10MAY04 12:00	10MAY04 14:59
1	CEI600R025	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - INSTALL HARD STOP IN PENETRATION AND QC	1	2	10MAY04 15:00	10MAY04 16:59
1	CEI600R026	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - INSTALL 212 MACHINE	1	4	10MAY04 17:00	10MAY04 20:59
1	CEI600R031	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - MACHINE NOZZLE BORE	1	20	10MAY04 21:00	11MAY04 16:59
1	CEI600R052	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - ETCH AND DETERMINE "N" DIMENSION	1	2	11MAY04 17:00	11MAY04 18:59
1	CEI600R033	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - NDE (PT) MACHINED BORE	1	2	11MAY04 19:00	11MAY04 20:59
1	CEI600R053	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - RESOLVE ISSUES WITH PT PROCEDURE	1	0	11MAY04 19:00	11MAY04 18:59
1	CEI600R034	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - PERFORM MANUAL UT OF J-GROOVE WELD	1	1	11MAY04 21:00	11MAY04 21:59
1	CEI600R037	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - PERFORM WELDING BRIEFS	1	0	11MAY04 22:00	11MAY04 21:59
1	CEI600R038	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - INSTALL NOZZLE EXTENSION AND TACK WELD	1	4	11MAY04 22:00	12MAY04 01:59
1	CEI600R039	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - DRY NOZZLE	1	2	12MAY04 02:00	12MAY04 03:59
1	CEI600R044	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - SETUP FOR IDTB WELDING	1	12	12MAY04 04:00	12MAY04 15:59
1	CEI600R046	76	CE8	DR-Y ML-Y ORT3-Y R-M	R-1	P-26 - PERFORM REPAIR WELDING OF NOZZLE	1	24	12MAY04 16:00	13MAY04 15:59
ELECTRICAL MAINTENANCE										
1	EM0216638A	76	EM	DR-N ML-N ORT3-N R-M	P-001B-M	P-1B RE-ASSEMBLY OF MOTOR	1	36	01MAY04 17:00A	11MAY04 23:59
1	EM0215225	76	EM	DR-N ML-N ORT3-N R-M	W-004A-M	PERFORM MCE W-004A-M (1B52-317M/1B-31)	1	3	10MAY04 11:00A	10MAY04 14:59
1	EM0215226	76	EM	DR-N ML-N ORT3-N R-M	W-004B-M	PERFORM MCE W-004B-M (1B52-318M/1B-31)	1	4	10MAY04 15:00	10MAY04 18:59
I&C - C. RHODEN & R. YOUNG										
1	IC5.11TMG	76	IC1	DR-N ML-N ORT3-N R-M	ICP-05.011	FEED REG VALVE TIMING (ICP-5.011)	5	6	12MAY04 09:00	12MAY04 14:59
MECHANICAL MAINTENANCE MM1 RIDINGS/ BRITTINGHAM										
1	MM-8480H	76	MM1	DR-N ML-N ORT3-N R-H	R-1	REPLACE UPPER INTERNALS	1	4	11MAY04 19:00	11MAY04 22:59



Early Bar
Progress Bar
Critical Activity

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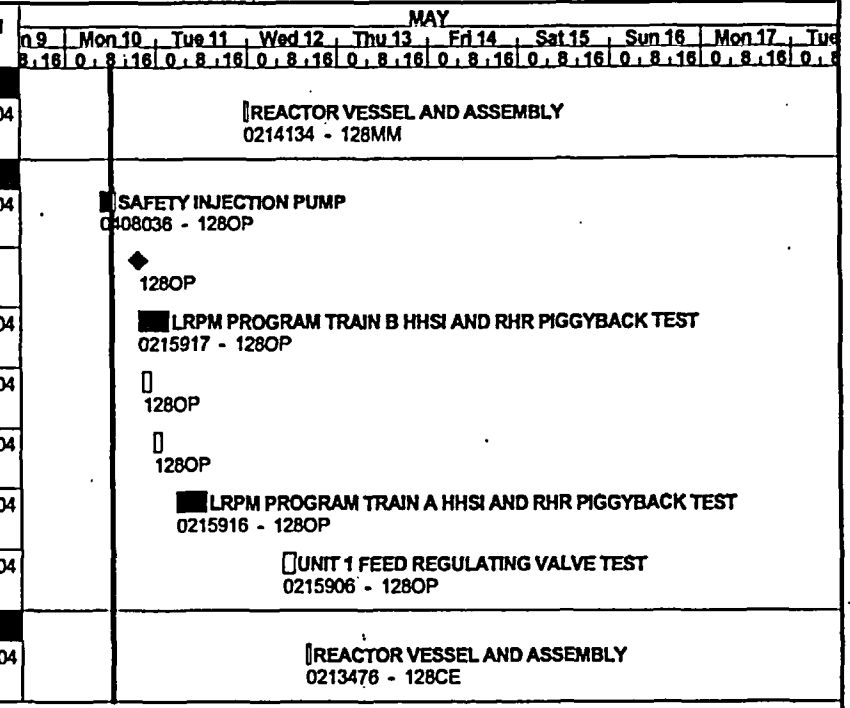
NMC / WE
PBNP U1 Refueling 28 Outage

LT-81 HUMAN ERROR RISK BARCHART
FL-81 HUMAN ERROR POTENTIAL

Work Activity Risk Assignment

U	ACT ID	WO ST	GRP	HPE RISK	EQUIPMENT	Activity Description	Cal ID	DUR	START	FINISH
MECHANICAL MAINTENANCE MM1 RIDINGS/ BRITTINGHAM										
1	MM-8480I	76	MM1	DR-Y ML-Y ORT3-N R-H	R-1	REMOVE UPPER INTERNALS LIFT RIG	1	1	11MAY04 23:00	11MAY04 23:59
OPERATIONS										
1	OP0408036	82	OPS	DR-N ML-N ORT3-N R-M	P-015B	P-15B PMT PER IT-01A	1	1	10MAY04 09:00A	10MAY04 12:59
2	AC-381E-5A		OPS	DR-N ML-N ORT3-N R-M	G-01	ENTER TSAC 3.8.1.E FOR A TRAIN D/G OOS	1	0	10MAY04 19:00	
1	IT-530D	77	OPS	DR-N ML-N ORT3-N R-M	O-IT-0530D	LRPM & PIGGYBACK TEST OF TRAIN B SI	1	8	10MAY04 19:00*	11MAY04 02:59
1	SOP-B41B		OPS	DR-N ML-N ORT3-N R-M	B-41	DE-ENERGIZE 1B-41 PER 1-SOP-480-B02	6	2	10MAY04 20:00	10MAY04 21:59
1	SOP-B41C		OPS	DR-N ML-N ORT3-N R-M	B-41	RE-ENERGIZE 1B-41 PER 1-SOP-480-B02	6	2	10MAY04 23:00	11MAY04 00:59
1	IT-530C	77	OPS	DR-N ML-N ORT3-N R-M	O-IT-0530C	LRPM & PIGGYBACK TEST OF TRAIN A SI	1	8	11MAY04 05:00	11MAY04 12:59
1	IT-300C	77	OPS	DR-N ML-N ORT3-N R-M	O-IT-0300C	STROKE TEST MFW CONTROL & BYPASS VALVES	1	3	12MAY04 09:00	12MAY04 11:59
SITE DESIGN MECHANICAL										
1	SD-I600-90	76	SDM	DR-Y ML-Y ORT3-Y R-M	R-1	SUBMIT RELIEF REQUEST FOR PENETRATION 26	1	1	12MAY04 15:00	12MAY04 15:59



Early Bar
Program Bar
Critical Activity

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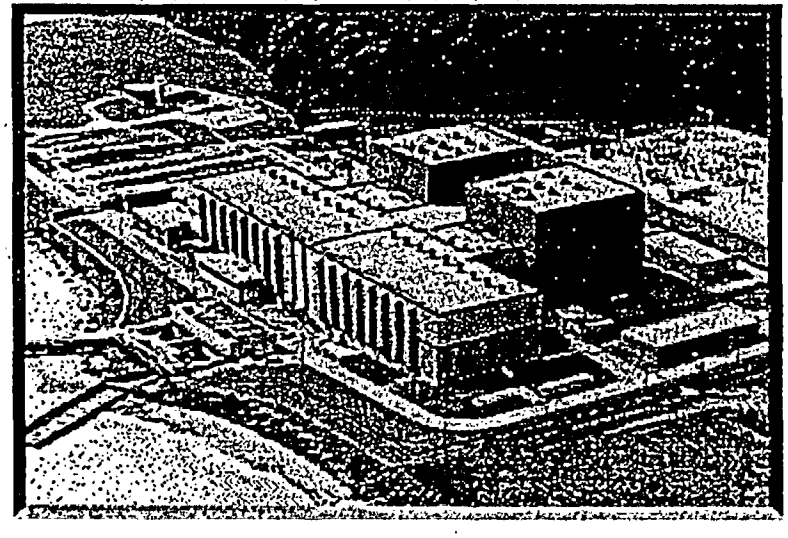
NMC / WE
PBNP U1 Refueling 28 Outage

LT-81 HUMAN ERROR RISK BARCHART
FL-81 HUMAN ERROR POTENTIAL

POINT BEACH NUCLEAR PLANT

Approved

FORCED OUTAGE LIST



UNIT 2

As of: May 11, 2004

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Point Beach Nuclear Plant
Unit 2
Forced Outage List

	Problem Description	Equipment ID Equipment Name	Approved Y/N	Resp Group	Owner	Dur	Tagout, Release & PMT Dur	Total Dur	Pri	Pkg Status	Plant Condition	Tagout #	RWP# Y/N	Scaffold Required Y/N Insulation Y/N Heat Trace Y/N	Material Available Y/N or (ETA)	Comments
HOT SHUTDOWN																
0310241	Packing adjustment was attempted under tool pouch #018609. No adjustment left. Gland is bottomed out. Packing leak. (Ref: CAP054016)	CS-00134 Hydrazine Control Sample Isolation	Y	MM	N. Stuart x - 6696	8	16 / 8	32	3	75	HSD	2CS CS-134 MM Rev0-1	N	Ins R - Y		Approved at the 3/30/04 ORC meeting.
0310586	Valve not opening fully. Per Sys ENG - potential positioner fault. All other signals calling for full open. Positioner signal out "35# - should be "70#. Perform flow scan.	MS-02087 HX-22B MSR Inlet Steam Control	Y	IC	J. Helbing x - 6414	6	2 / 2	10	5	75	HSD	2MS MS-2087 IC Rev0-1	N	N	N	Approved at the 2/17/04 ORC meeting.
COLD SHUTDOWN ACTIVITIES																
0310231	Open and inspect 2CV-285 for flow restrictions. Boroscope lines upstream and downstream, if possible, or through vent and drains as practical - to determine if obstructions exist. Ref: CAP051746. OWA 2-03R-003	CV-00285 HX-4 ELHX Outlet	Y	MM	N. Stuart x - 6696	30	5 / 2	37	3	76	CSD	2CV CV-285 EM Rev0-1, 2-1; MM Rev0-1	Y	N		Approved at the 2/17/04 ORC meeting.
0406040	Remove blind flange (temp mod) and install valve to support forced shutdown. Reinstall temp mod 03-036. Contingency WO.	VNPSE-03212 W-6A/B U2C Purge Exhaust Fan Suction	Y	MM	N. Stuart x - 6696	60	3 / 12	75	6	75	CSD	2VNPSE-3212 MM Rev0-1 & 1-1	Y	Scaff - Y		Approved at the 1/6/04 ORC meeting. (wo order # changed on 2/24 from 0130052 to 0406040 per Kelly Phillips.)
0406041	Remove blind flange (temp mod) and install valve to support forced shutdown. Reinstall temp mod 03-036. Contingency WO.	VNPSE-03244 W-2A/B U2C Purge Supply Fan Discharge	Y	MM	N. Stuart x - 6696	60	3 / 12	75	6	75	CSD	2VNPSE-3244 MM Rev0-1 & 1-1	Y	Scaff - Y		Approved at the 1/6/04 ORC meeting. (wo order # changed on 2/24 from 0130054 to 0406041 per Kelly Phillips.)
85% POWER REDUCTION																
0207017	Clean out Hx. Remove zebra musels. Clean tubes (inlet end only). To be performed during down power or forced outage.	HX-024 Condensate Cooler	Y	MM	N. Stuart x - 6696	8	2 / 2	12	5	75	<85% power	2 CS HX-24 MM Rev0-1	N	N	Y MOD	Approved at 4/4/01 ORC.
50% POWER REDUCTION																
0206810	Clean/inspect (2 & 3) waterboxes. Forced outage*. Reference WO #9944169. *or downpower - contact Steve Barkhahn for req'd/na.	CW CW System Multi and/or Non-numbered equipment	Y	MM	N. Stuart x - 6696	20	4 / 4	28	5	73	<50% power	2CW Wtr Box 2/3 Rev0-1	N	N	Y MOD	Approved at 5/16/01 ORC. Perform at < 50% power HSD or CSD with CW off in that waterbox.
0206811	Clean/inspect (1 & 4) waterboxes. Forced outage*. Reference WO #9944169. *or downpower - contact Steve Barkhahn for req'd/na.	CW CW System Multi and/or Non-numbered equipment	Y	MM	N. Stuart x - 6696	20	4 / 4	28	5	73	<50% power	2 CW Wtr Box 1/4 Rev0-1	N	N	Y MOD	Approved at 5/16/01 ORC. Perform at < 50% power HSD or CSD with CW off in that waterbox.

Point Beach Nuclear Plant
Unit 2
Forced Outage List

	Problem Description	Equipment ID Equipment Name	Approved Y/N	Resp Group	Owner	Dur	Tagout, Release & PMT Dur	Total Dur	Pri	Pkg Status	Plant Condition	Tagout #	RWP# Y/N	Scaffold Required Y/N Insulation Y/N Heat Trace Y/N	Material Available Y/N or (ETA)	Comments
0306565	Open/close SGFP oil cooler on demand for inspection and cleaning during non-outage periods. See text. Ref: CAP029395/CA026376.	HX-056A P-28A SGFP Oil Cooler	Y	MM	N. Stuart x - 6696	8	3 / 3	14	4	76	50% power	U2FSD 2LO HX-56A MM Rev0-2	N	N		Approved at the 8/6/03 ORC meeting.
0306566	Open/close SGFP oil cooler on demand for inspection and cleaning during non-outage periods. See text. Ref: CAP029395/CA026376.	HX-056B P-28B SGFP Oil Cooler	Y	MM	N. Stuart x - 6696	8	3 / 3	14	4	76	50% power	U2FSD 2LO HX-56B MM Rev0-2	N	N		Approved at the 8/6/03 ORC meeting.
0310342	Minor seal leakage at injection line. Suggest forced outage item.	P-028B Steam Generator Feed Pump	Y	MM	N. Stuart x - 6696	4	16 / 4	24	5	75	50% power	2CS P-28B OPS Rev0-1; MM Rev0-1	N	N		Approved at the 12/4/03 ORC meeting.
OUTAGE ITEMS REQUIRING APPROVAL																

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Point Beach Nuclear Plant
Unit 2
Forced Outage List
Test Requirements

WO#	Problem Description	Equipment ID Equipment Name	Approved Y/N	Resp Group	Owner	Dur	Tagout, Release & PMT Dur	Total Dur	Pri	Pkg Status	Plant Condition	Tagout #	RWP# Y/N	Scaffold Required Y/N Insulation Y/N	Material Available Y/N or (ETA)	Comments
DOWN POWER TO MODE 1 BELOW P-10 OR MODE 2 ABOVE P-6																
On Demand	Power Range NIs	ICP 2.7	Y	IC	J. Helbing x - 6414	2	0	2	1		MODE 1 or 2	no clr req'd	N/A	N/A	N/A	If not performed within last 92 days and remain in condition for greater than 4 hours
On Demand	Intermediate Range NIs	ICP 2.9	Y	IC	J. Helbing x - 6414	2	0	2	1		MODE 1 or 2	no clr req'd	N/A	N/A	N/A	If not performed within last 92 days and remain in condition for greater than 4 hours
DOWN POWER TO MODE 2 BELOW P-6 OR MODES 3, 4, OR 5 WITH RTB's CLOSED																
On Demand	Source Range NIs	ICP 2.10	Y	IC	J. Helbing x - 6414	2	0	2	1		MODE 2 or 3,4, or 5 with RTB's closed	no clr req'd	N/A	N/A	N/A	If not performed within last 92 days and remain in condition for greater than 4 hours
On Demand	Reactor Protection System Source Range Logic	ICP 2.15-2	Y	IC	J. Helbing x - 6414	2	0	2	1		MODE 2 or 3,4, or 5 with RTB's closed	no clr req'd	N/A	N/A	N/A	If not performed within last 92 days and remain in condition for greater than 8 hours
REACTOR STARTUP REQUIREMENTS																
On Demand	Turbine Auto Stop Oil and Stop Valve TADOT	ICP 13.15	Y	IC	J. Helbing x - 6414	1	0	1	1		Turbine Unlatched/ Latched	no clr req'd	N/A	N/A	N/A	Prior to exceeding the P-9 interlock whenever the unit has been in MODE 3 if not performed within last 31 days
On Demand	Intermediate Range NIs	ICP 2.9	Y	IC	J. Helbing x - 6414	1	0	1	1		HSD	no clr req'd	N/A	N/A	N/A	If Not Done Within The Last 92 Days.
On Demand	Source Range NIs	ICP 2.10	Y	IC	J. Helbing x - 6414	2	0	2	1		HSD	no clr req'd	N/A	N/A	N/A	If Not Done Within The Last 92 Days.
On Demand	Power Range NIs	ICP 2.14	Y	IC	J. Helbing x - 6414	2	0	2	1		HSD	no clr req'd	N/A	N/A	N/A	If Low Power Trips Not Tested in Previous 92 Days.
On Demand	Reactor Protection Logic	ICP 2.17-2	Y	IC	J. Helbing x - 6414	2	0	2	1		HSD	no clr req'd	N/A	N/A	N/A	If Not Done Within The Last 31 Days.
COLD SHUTDOWN REQUIREMENTS																
On Demand	Overpressurization Mitigation	ICP 2.16	Y	IC	J. Helbing x - 6414	2	0	2	1		ANY	no clr req'd	N/A	N/A	N/A	Must Be Done Prior To Placing LTOP In Service and Every 31 Days Thereafter.
TURBINE STARTUP REQUIREMENTS																
On Demand	Remove Vibration Channel Fault Alarms	C-011	Y	IC	J. Helbing x - 6414	1	0	1	1		ANY	no clr req'd	N/A	N/A	N/A	Remove Alarms Prior To Rollup Clear Common Alarm. Restore After Turbine is On Line.
On Demand	Rod position indication adjustment at power	ICP 10.21	Y	IC	J. Helbing x - 6414	2	0	2	1		MODE 1	no clr req'd	N/A	N/A	N/A	Rod position indication adjustment as required during power ascension
On Demand	Perform 2ICP 13.15 prior to exceeding 50% power whenever Mode 3 is entered if not performed in the previous 31 days.	ICP 13.015	Y	IC	J. Helbing x - 6414	1	0	1	1		ANY	no clr req'd	N/A	N/A	N/A	Partial prior to turbine rollup/remainder prior to 50% power.

Point Beach Nuclear Plant
Unit 2
Forced Outage List
Test Requirements

WO#	Problem Description	Equipment ID Equipment Name	Approved Y/N	Resp Group	Owner	Dur	Tagout, Release & PMT Dur	Total Dur	Pri	Pkg Status	Plant Condition	Tagout #	RWP# Y/N	Scaffold Required Y/N Insulation Y/N	Material Available Y/N or (ETA)	Comments
POLAR CRANE CHECKOUT																
On Demand	Polar Crane Inspection	Z-013	Y	EM	D. Laing x - 6941	2	3	5			HSD	2 Z Z-13 Rev. 0-1	Y	N/A	N/A	Prior To Crane Use.

Electrical Loss Allocation Table	(all values MWe)	Data from time of last near full power Calorimetrics, 3/16/04 for Unit 1, 5/4/04 for Unit 2.
	Unit 1	Unit 2
Gross Electrical Output	534.0	544.8	Watt-Hour Meter
Circ Water (Lake) Temperature Losses	4.5	1.0	Expected losses at Circ Temperature and # of Circ Pumps running at time of Calorimetric
Radwaste Steam Use	2.0	1.0	Steam for Blowdown Evaporator and Gas Strippers' use
House Heating Steam Use	0.0	0.7	Steam for in-house heating and misc. use
Condenser Fouling Losses	1.0	0.1	
Identified Cycle Isolation Losses	0.0	0.0	
Capacity Losses	0.2	0.1	Operating at less than 1540 MWth (licensed power) at time of Calorimetric data
Unidentified Losses	1.3	-2.2	Difference between Best Achievable and sum of all the above values
Best Achievable (@ 1540 MWth)	543.0	545.5	From performance data after LP Turbine rotor replacement in late 90's and adjusted for new LEFM flow meter and recent 1.4% uprate

Additional Notes:

1) Unidentified losses can vary as much as 1 MWe from week to week.

2) A negative value for Unidentified Losses indicates that the current output after adjustments appears to be higher than the "Best Achievable".

3) Both units' unidentified losses changed about 2 - 3 MW to a negative value (see Note 2) when the main generator watt-hour meters were calibrated the week of 7/21/03. This is based on a comparison to the PPCS indication of electrical output and a transducer output reading at We Energies Power Systems in Pewaukee. These indications come from different instruments. CAP034651 was submitted. Recently, the Unit 1 unidentified losses has been near zero or positive compared to more negative values after the watt-hour meter calibration. This is believed to be due to a drift in the watt-hour meter because the watt-hour meter is now reading more in line with the other indications.

Unit 2's output has been higher since its last refueling outage due to improvements made in the turbine gland steam system during the outage. The 2nd Circ Pump was started on Unit 2 at the end of March, decreasing condenser pressure and decreasing losses due to circ temperature and condenser fouling.

Group	Representative
Emergency Preparedness (Drill coordination)	Todd Gemskie
Operations (SRO Level – considered Drill Coordinator)	Bob Adams
Simulator Operator (OPT)	Bruce Carlson
Radiation Protection	Carl Onesti
Chemistry	
Mechanical Maintenance	Jerry Scheinoha
Electrical Maintenance	
Instrument and Control	
Public Information Representative	Lauretta Krcma-Olson
Operating Experience	
Nuclear Oversight	Russ Walesh
Management	
Safety	Mary Sipiorski
Medical	Mary Sipiorski
Fire	Mary Sipiorski
Licensing/Regulatory Affairs	Jim Connolly
PRA	
IT	Rick Parlato
EOF Operation	Gerry Young
Security	Duane Argall

Speaking Point for NP 6.1.1 revision

NP 6.1.1, "Training" is being revised and scheduled for issuance on Wednesday, May 12, 2004.
The pertinent changes to the procedure are:

1. The expectation to have a number of the On-the-Job Training (OJT) and Task Performance Evaluation (TPE) activities observed by line management (manager, supervisor, or designee) is established. On-the-Job Mentoring (OJM) is not called out specifically, but the applicable groups will evaluate this.

   - The responsibility for coordinating the OJT/TPE observation resides with the trainee.

2. A new section has been added to address the observation of mentoring and the associated form (PBF-6507). An OJM specific observation forms has not been incorporated into the fleet training procedures as of yet, though it is scheduled for implementation in the future.

3. The expectations for revocation or suspension of qualifications have been added.

4. The "window" for scheduling training is being changed from five weeks to four weeks to align with the rest of the fleet. Training and the 12-week work schedule are still aligned.

5. The expectation for missing training has been clarified. Permission from the respective manager or director is required prior to missing any training.

6. The guidance for turning individuals away after the class has begun has changed. Specifically, the class length has been changed from eight-hour classes to four-hour classes.

   - For the beginning of a presentation of four (4) hours or less, if the learning objectives have been presented, the individual will **NOT** be allowed in class, and the individual will report to their supervisor/manager to explain why they could not attend training on time

   - In addition, the requirement to generate an AR for attendance issues has been removed from the attachment.

All Excellence Plan Commitment Action Steps Due Within 30 Days

		tTrack	Step Owner	Start Date	Due Date	
Assessment						
OP-10-011	**Improve Effectiveness of Self Assessments**					
OP-10-011.3.D	*Perform an effectiveness review of site leadership observation programs.*	CA028467	Purcell, J.	2/15/2004	5/15/2004	Commitment
OP-10-011.4.C	*Perform benchmarking effectiveness review.*	CA028465	Purcell, J.	4/15/2003	5/15/2004	Commitment
OP-10-011.5.F	*Develop a process for site leadership review of completed self-assessments.*	CA030635	Purcell, J.	1/12/2004	5/15/2004	Commitment
Total # of Items for Assessment						: 3
Emergency Planning						
OP-09-004	**Upgrade Emergency Action Levels (EALs)**					
OP-09-004.8	*PORC approval of EAL upgrade changes.*	CA052689	Schwartz, P.	4/15/2004	5/21/2004	Commitment
OP-09-004.9	*Submit site approved EAL upgrade changes to state and counties for approval.*	CA052690	Schwartz, P.	5/21/2004	5/28/2004	Commitment
OP-09-005	**Control / Maintenance of EP Required Equipment**					
OP-09-005.4	*Document the licensing basis of required EP equipment contained in the matrix.*	CA052409	Schwartz, P.	2/20/2004	6/1/2004	Commitment
OP-09-005.5	*Evaluate whether each piece of EP Equipment in the matrix meets its associated EP functional requirements.*	CA052413	Schwartz, P.	2/23/2004	6/7/2004	Commitment
OP-09-005.6	*Perform an assessment of the equipment in the matrix for reliability / maintainability / obsolescence.*	CA052414	Schwartz, P.	2/23/2004	6/7/2004	Commitment
OP-09-005.7	*Evaluate the adequacy of preventative Maintenance (PM) performed on EP equipment contained in the matrix.*	CA052415	Schwartz, P.	2/23/2004	6/7/2004	Commitment
Total # of Items for Emergency Planning						: 6
Engineering Design						
OP-14-001	**Improve the Configuration Management Program**					
OP-14-001.11	*Implement fleet standards for modification closeout (Objective 2).*	CA030747	Marean, J.		5/20/2004	Commitment
OP-14-001.12	*Interim Effectiveness Review (EFR).*	EFR030748	Holt, K.		5/20/2004	Commitment
Total # of Items for Engineering Design						: 2
Engineering Design Civil/Structural – PB						
EQ-15-012	**Manhole and Cable Vault Flooding**					
EQ-15-012.8	*Complete installation of modification to dewater Manholes 1 and 2.*	CA031053	Corbin, T.	3/29/2004	5/28/2004	Commitment
Total # of Items for Engineering Design Civil/Structural – PB						: 1
Engineering Design Configuration Management (and Q-List Items)						

All Excellence Plan Commitment Action Steps Due Within 30 Days

		tTrack	Step Owner	Start Date	Due Date	
OP-14-007	**Updated Vendor Technical Information Program (VTIP)**					
OP-14-007.8	*Review and address issues identified in the VTIP self-assessment and in CA000248, CA001634, and CA002968.*	CA055685	Holt, K.	4/15/2004	5/20/2004	Commitment

Total # of Items for Engineering Design Configuration Management (and Q-List Items) : 1

Engineering Processes

OR-05-008	**AFW Root Cause Evaluation (RCE) Corrective Actions**					
OR-05-008.2	*Develop an effectiveness review plan and schedule.*	CA055859	Peterson, L.	4/15/2004	5/11/2004	Commitment
OR-05-008.3	*Establish a cross functional team to perform the effectiveness review.*	CA055860	Peterson, L.	5/15/2004	6/7/2004	Commitment

Total # of Items for Engineering Processes : 2

Performance Assessment

OR-01-004	**Individual Behavioral Excellence**					
OR-01-004.26	*Revise CAP Trend reports to bin vs. barriers, results and attributes.*	CA054894	Hettick, D.	3/1/2004	5/28/2004	Commitment
OR-01-004.34	*Revise Human Performance trend reports to bin vs. barriers, results, and attributes.*	CA055029	Hennessy, F.	3/1/2004	5/28/2004	Commitment

Total # of Items for Performance Assessment : 2

Site Projects

EQ-15-001	**AFW Appendix R Firewall Project**					
EQ-15-001.13	*Modification Closeout*	CA030842	Morse, M.	12/19/2003	5/30/2004	Commitment

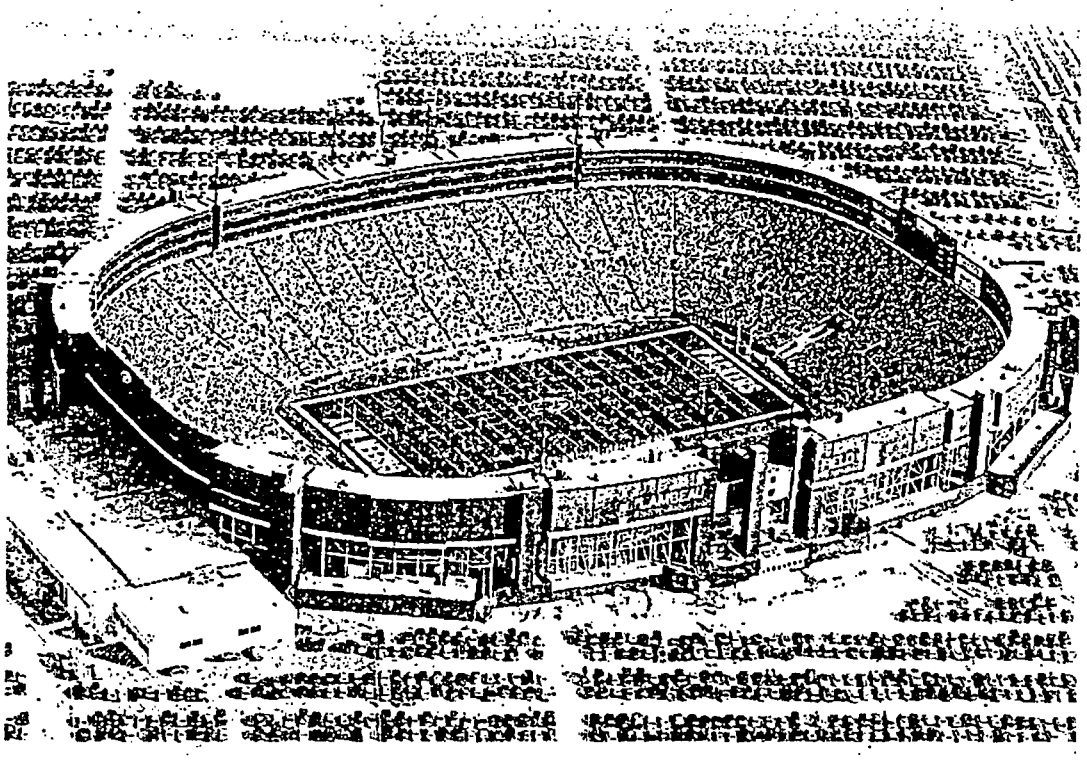
Total # of Items for Site Projects : 1

Point Beach CAP Activities
Delay of Game Clock

Tuesday, 05/11/2004

13 Days since last fumbled item
(Last Reset: PME Plant Electrical Maintenance)

7 Days since last Unassigned item
(Last reset: 5/4/04 S-Site VP)



Plan of the Day Meeting

8:15 - 8:45 am
Front Office Conference Room

Committed to Nuclear Excellence

NMC

"Do the job right the first time."

Plan of the Day Meeting
Action Register

Short Term Actions (<7 days)

Responsible Department Manager will provide weekly updates at POD Meeting on Monday, Wednesday, and Friday.

Entry Date	Action Description	Due Date	Owner
	NONE		

Long Term Actions (>7 days)

Responsible Department Manager will provide weekly updates at POD Meeting on Friday.

Entry Date	Action Description	Due Date	Owner
5/7/04	Work with responsible groups to develop recovery plans to address the NRC site performance indicators that indicate alarm for the April, 2004 report.	5/19/04	Jim Connolly