

# YTD Safety/Human Performance



July 9, 2007

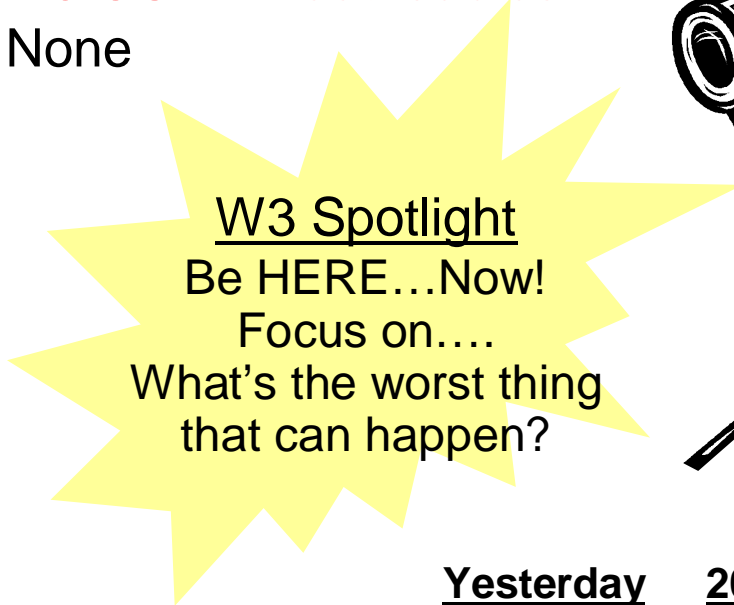
## Safety

- Days Since Last OSHA Recordable – 117 Previous Best – 510
- Days Since Last Injury – 12 **Site Goal – 0 OSHA Recordables**
- Number of Open Safety Action Items – None

## Human Performance

- Days Since Last Error - 113

**GREAT CATCH** - While performing Emergency Feedwater (EFW) Heat Trace scanner replacement **Steve Hutzleman** and **Mack Rodrigue** discovered the field wiring did not match the controlled drawing. There was an extra wire terminated at one termination point which belonged to HT ITC0001-12 heat trace controller. Determination of the wire would cause a loss of the heater while the recorder neutral is determined, potentially affecting the EFW pump AB.

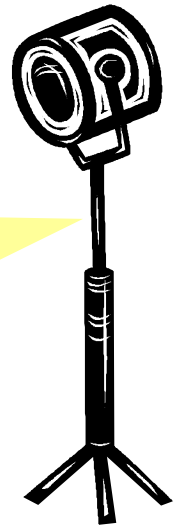


### W3 Spotlight

Be HERE...Now!

Focus on....

What's the worst thing that can happen?



	<u>Yesterday</u>	<u>2007</u>
<b>Near Miss:</b>	0	9
<b>First Aid:</b>	0	3
<b>OSHA Recordable:</b>	0	1
<b>Lost Time:</b>	0	0
<b>HU Errors:</b>	0	2
<b>HU Events:</b>	0	1



# Daily Plant Status Report

Monday, July 09, 2007

## Waterford 3

<b><u>SAFETY STATUS REPORT</u></b>				<b><u>KEY CONTACTS</u></b>		
	<u>Last 24 hrs</u>	<u>* YTD</u>	<u>Days Since Last</u>	<u>Name</u>	<u>Phone/Ext/Pager</u>	
First Aid Cases	0	3	12	Shift Manager (Day)	Jarrell, J.	3104 / 225-951-0104
OSHA Recordable	0	1	117	Shift Manager (Night)	Jory, D.	3104 / 504-471-9101
Days Away From Work	0	0	3705	Duty Manager	Peters, Bob	504-458-8369 / 3135 / 504-471-9230
Last DAFW -	5/17/1997			Work Week Manager	Glueck, J.	3888 / 504-268-3563
				Engineering Duty Manager	Putnam, Rex	/ 3877 / 504-268-4001
				ERO Team	Orange	
<b><u>EVENT FREE CLOCK STATUS</u></b>				<b><u>STATION CONCERNS</u></b>		
<b>Station Resets:</b>	1	<b>Last:</b>	1/10/2007		<u>Date</u>	<u>Resp.</u>
<b>Last Event:</b>	Incorrect wire termination resulted in CVAS Train A Inoperability and 7 day SD LCO entry			None		
<b><u>SUCCESS DAYS</u></b>				<b><u>EMERGENT WORK</u></b>		
<b>Previous Best:</b>	<b>Current:</b>	<b>Last Occurrence:</b>			<u>Date</u>	<u>Resp.</u>
				None		
<b><u>RADIOLOGICAL EXPOSURE (PERSON-REM)</u></b>				<b><u>OPERATIONS ISSUES</u></b>		
	<u>DOSE (Rem)</u>	<u>%Goal</u>	<u>GOAL (Rem)</u>		<u>Date</u>	<u>Resp.</u>
Week:			0.067	EDG A2 Air Start Compressor Control Power Fuse Blown (new)	07/09/07	Raines, D
Cumulative:	3.1	104%	2.968	Adjust oil levels in Essential AB Chiller WO 115705 (new)	07/09/07	Pellegrin, B
				PSL-203 failed stroke test. Limit Switch Adjusted Once; Needs Second Adjustment WO 115097	07/10/07	Raines, D
<b><u>CURRENT PLANT STATUS</u></b>						
Rx Power		100	%	LWM-141 has valve body leak causing RAB oil sump level to rise WR 101904 (new)	07/11/07	Raines, D
MW Gross		1212	MW	CW Rad Monitor sample pump motor fan is rubbing WR 101865 (new)	07/11/07	Raines, D
MW Net		1161	MW	PMC AO/RO controller for Mux RAB4602 cycles periodically WO 114874	07/15/07	Raines, D
Days of Continuous Operation		194	Days	Investigate EDG B Inconsistent Cooldown Cycle Timing, WO 104503	07/16/07	Marble, D
Total RCS Leakage (24 hr average)		0.17	GPM	RCS UNID Leakrate post RF14 elevated - need ODMI Update	07/16/07	Taylor, J.
Unidentified Leakage (24 hr average)		0.15	GPM			
Heat Sink Temperature		84	Deg. F			
Air In-Leakage		8	SCFM			
RCS Boron		1069	PPM			
Gen. Hydrogen Use		290	SCFD			
<b><u>CHEMISTRY:</u></b>						
Daily CPI:	1.00	7 Day CPI:	1.00	Goal:	1.00	
<u>Item/Limit</u>	<u>Na+/0.8</u>	<u>Cl-/5</u>	<u>Sulfate/1.7</u>	<u>Iron/5</u>	<u>Copper/0.2</u>	
1 S/G	0.24	0.58	0.26			
2 S/G	0.28	0.72	0.42			
HPFW			2.12	0.002		



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<p><b><u>ODMIs IN EFFECT (AP-12.11/EN-LI-111)</u></b></p> <p>Primary to Secondary Leakage          RCP 2A Shaft Vibration          Startup Transformer B Positive Acetylene          Pressurizer Dissimilar Metal Welds          AC Air Side Seal Oil Pump Failure          MFIV A Control Air Leakage          WF3 Cycle 15 Fuel Failure</p>	<p><b><u>Resp.</u></b></p> <p>Dolese, G.          Taylor, J          Brauner, E          Taylor, J          H Leblanc          Ket Van Le          Bruce Proctor</p>	<p><b><u>RISK ASSESSMENT COLOR</u></b>    <b><u>RISK COMPONENT</u></b></p> <p>Green</p>
<p><b><u>SCHEDULED DOWNPOWER AND IPTES (Next 30 Days)</u></b></p> <p>None</p>	<p><b><u>PROTECTED EQUIPMENT</u></b></p> <p>Train A</p>	
	<p><b><u>LCO/AOT'S &lt;72 HRS AND RISK ACTIVITIES</u></b></p> <p>None</p> <p style="text-align: right;"><b><u>Resp.</u></b></p>	
	<p><b><u>HOMELAND SECURITY:</u></b>    Yellow - Elevated</p>	

Monday, July 09, 2007

# Waterford 3 Station Plant Status

## CONTROL BOARD DEFICIENCIES

EQUIPMENT	WR/WO	ENTRY	PROBLEM	OWNER	FINISH	COMMENTS
		DATE			DATE	
CP-8 Wet Tower B Basin Level Lo Annunciator, N0301	WR 100998	6/20/2007	Received multiple times per shift, clears w/o operator action	Raines, D.	7/11/2007	PAC Loop Checked
Turbine Rotor Vibration High Alarm	WO 103829	6/27/2007	Main Turbine bearing 4Y vibration spiking causing multiple alarms.	Talazac, C	7/12/2007	Temp Mod EC to lift lead
EDG A 200 Second Load Block Lamp on CP-1	WR 101681	7/2/2007	200 Second Load Block Lamp is not Illuminating	Raines, D	7/24/2007	

## UNIT HOUSEKEEPING REPORT

LOCATION / EQUIPMENT	PROBLEM DESCRIPTION	OWNER	ECD
Door 161, RAB -4 Airlock to RB Wing Area	Corridor Lamps Need Replacement.	Moore, T	7/9/2007
TGB +40 South Side Condenser A	Several Lamps South of Condenser A Need Replacement (new)	Moore, T	7/18/2007
RAB +21 Q Deck	Clean Q Deck Floor (new)	Linder, M	7/11/2007

## UNIT INDUSTRIAL SAFETY ISSUES

LOCATION / EQUIPMENT	PROBLEM DESCRIPTION	OWNER	ECD

Duty Plant Manager  
**Bob Peters** – Ext. 3135

Duty Engineering Manager  
**Rex Putnam** – Ext. 3877

Protected Train **A**

# Waterford 3 Work Week Calendar

## Work Week 11-43

### Train Week B1

## Duty ERO Team – **Orange**

WWM – **J. Glueck**  
 Ext. 3888  
 Pager – 268-3563

WMC – Ext. 3411

EM – 9, OT – 20

Monday, 07/09/07	Tues., 07/10/07	Wed., 07/11/07	Thurs., 07/12/07	Friday, 07/13/07	Sat., 07/14/07	Sun., 07/15/07
	T-10 & T-2 Review	T-6 Review	T+1 & T-15 Review			
Days	Days	Days	Days	Days	Days	Days
NE-004-002, Radial Peaking Factor	Site Safety Meeting, 7 & 11 am	Site Safety Meeting, 7 am	All Hands Meetings, 8 & 10	OP-903-026, Verify ECCS Train 'B' Line-Up/Full of Water	OP-904-004, Mn Gen H2 Leakrate	OP-903-107, PPS Chl 'B' Functional, <b>RISK</b>
NE-004-008, Reactivity Balance	SA 'C' Outage	Error Free Site Cookout	ENI Chl 'C' Functional	OP-903-050, ACC 'B' Operability, 72 hour S/D LCO & Cascading, 3 hr duration	OP-904-004 Mn Turb Functional	OP-903-076, FHB Train 'B' Operability
DCT Fan 5B Motor Maint.	OP-903-121, Misc. SI Valves IST	CPC Chl 'B' Functional	DCT 'B' Sump Mtr #2 Lube	Verify WCT & DCT Fans Operate	OP-903-107, PPS Chl 'B' Functional	OP-903-052, CVAS Train 'B' Operability
Polisher Vessel 'F' Maint. (2 Days)	Hydrogen Analyzer B cal	CPC Chl 'D' Functional	RAB Normal Ventilation Hi Perf. Filter Replacement	PMC Failover, Implementation of SGLPM PMC software	Control Room Carpet Replacement	
<b>Essential Chiller 'AB' Oil Level Adjustment, 72 hour S/D LCO &amp; Cascading during retest only</b>	CS Riser Pump 'B' Seal (2 days), 7 Day S/D LCO during Retest only, <b>MELT</b>	<b>'B' Essential Chiller Cycle Timer Modification, 4 hour duration, 72 hour S/D LCO &amp; Cascading during retest only</b>	Prop Htr #2 Bkr Latch adjuster replacement			
Nights	Nights	Nights	Nights	Nights	Nights	Nights
RCS Leak Rate	RCS Leak Rate	RCS Leak Rate	RCS Leak Rate	RCS Leak Rate	RCS Leak Rate	RCS Leak Rate
OP-903-120, HRA Train 'B' IST Vlv Test	OP-903-043, SBV 'B' Operability and Vlv Test	MS IP301B Cal, 48 hr pwr reduction TRM LCO, 6 hr duration			OP-903-013, SM Chl Check	COLSS Power Chl Check
OP-903-120, BM IST Vlv Test		OP-903-037, CCS Fans				Containment Sump Flow Loop Calibration
OP-903-120, GWM IST Vlv Test		OP-903-063, CHW 'B' Operability				
		OP-903-050, CC 'B' Disch Chk Vlv Test				
Safety Index	Safety Index	Safety Index	Safety Index	Safety Index	Safety Index	Safety Index
10.0 Green	10.0 Green	10.0 Green	10.0 Green	10.0 Green	10.0 Green	8.8 Yellow

**Sponsors** (\*1) Kimberly Cook (Control Room) - (\*2) Greg Hawkins (MELT) - (\*3) Bryan Pellegrin (Safety Monitor)

# Chemistry Department

Chemistry Performance Indicator				
Target	Goal	Current	YTD	7 Day
1.00	1.00	1.00	1.00	1.00

Fuel Reliability				
RCS Xe-133 Activity (uCi/cc)	Limit	Current	Trend	# of Failures
	N/A	9.43E-03	Stable	1
RCS Dose Equivilant Iodine Activity (uci/gm):	Limit	Current	Trend	
	≤ 1.0	1.79E-03	Stable	
Fuel Reliability Index:	Limit	Current	3 Mth Avg	YTD
	< 5.00 E-4	2.42E-05	1.94E-05	1.63E-05

SCW		
Stator Out DO2:	0.0	Stable
Stator Out Cond:	1.299	Stable
Dem in Out Cond:	0.166	Stable

Secondary				
S/G's	Target	Limit	S/G #1	S/G #2
Sodium (ppb):	≤ 0.8	≤ 5.0	0.24	0.28
Chloride (ppb):	≤ 5.0	≤ 10	0.58	0.72
Sulfate (ppb):	≤ 1.7	≤ 10	0.26	0.42
Cation Cond:	-	≤ 1.0	0.20	0.21
Molar Ratio:	0.65	0.55 - 0.80	0.62	0.58
Blow down n:	-	-	73	78
CONDENSATE	Target	Limit	Current	
FW Iron (ppb):	< 5.0	≤ 5.0	2.12	
FW Copper (ppb):	< 0.2	≤ 0.2	0.002	
CD DO <sub>2</sub> (ppb):	< 7.0	≤ 10.0	2.51	
Off Gas (SCFM):	-	≤ 13.0	8	

Primary to Secondary Leakage	
Current Leakrate (GPD):	1.2
Normal Operations:	< 2 GPD
Increased Monitoring:	≥ 2 GPD and < 5 GPD
Action Level 1:	≥ 5 GPD and < 15 GPD
Action Level 2:	≥ 5 GPD and > 7.5 GPD/HR for > 30 MIN
Action Level 3:	≥ 15 GPD

Liquid and Gaseous Radioactive Waste				
Status as of: 6/5/2007				
Liquid Release Data	Goal	YTD	YTD Expected	2007 Expected
Activity (m Ci):	131.1	133.8	118.2	176.0
BWM Vol. (gal):	383,200	0	0	383,200
LWM Vol. (gal):	500,250	277,029	191,400	585,879
Gaseous Release Data	Goal	YTD	YTD Expected	2007 Expected
Gas Activity (Ci):	4	0	0	4

## LCO Requirements


## COMMENTS

Leak rate based on gas isotopic method using AE PIG.  
LWM volume and activity elevated due to CCW drainings -- CR-WF3-2007-1150

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**Bob Peters** – Ext. 3135

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# Operating Experience Industry Summary



- **Point Beach (PWR - W) OE24868**
  - High Radiation Area and Locked High Radiation Area Barrier Violations
- **Lessons Learned**
  - All radiation workers are personally responsible for ensuring they are properly logged in on the correct radiation work permit (RWP) and meet all the necessary requirements prior to entry into any controlled access area (CAA).



# Forced Outage Readiness

Activity ID	UNID	CO...	EQUIPMENT-TYPE	LEAD-DIS...	Activity Name	Action Owner	Expected Finish	Notes to Resources	Added to FOL
<b>Potential Materials</b>							<b>16-Oct-07 ...</b>		<b>18-Apr-07 ...</b>
00103499-01	XXXMECHANICAL		MECFUN	MECH	RCP SEAL SPARE, REBUILD SEAL	Bruce Baptist	16-Oct-07 17:00	2nd Spare Seal	18-Apr-07 09:00

**Hot Shutdown Required Packages – Ready**

**Cold Shutdown Required Packages - Ready**

Monday, July 09, 2007  
Current Protected Train - A  
Risk Color – Green

## Personnel, Nuclear, and Radiological Safety

### Equipment Priorities:

- Essential Chiller 'AB' Oil Level Adjustment
- Polisher Vessel 'F' Maintenance
- Dry Cooling Tower Fan 5B Motor Maint.