

Point Beach Nuclear Plant U1R28 Refueling Outage

Safety Topic for week of May 16-22, 2004
Theme for the week
This week's theme is Material Handling . We are moving a lot of equipment this week, both big and small. It is a good time to review some basics in this area.
Daily Safety Snippets
Sunday
"When you can – push a cart and use both hands."
OE 16141 – Farley. Electrician was pulling a cart with 350 lbs of batteries, through an area of multiple turns. He was pulling the cart, walking backwards when the wheels of the cart hit an edge of a raised deck plate. The cart began to tilt up and the handle (that was removable) pulled free. One battery hit the floor with enough force to crack the jar and 6 gallons of acid was spilled onto the floor.
Monday
"Check your slings or you might be wearing wings"
April 1997. Employees at a construction site were positioning a 22,000 lb. generator with the use of a truck-mounted crane and four synthetic slings. One of the slings failed, the generator fell and rolled onto the employees. One employee was killed and a second hospitalized with multiple injuries. <i>Do we always check our slings before use? Do we always stay out of the path of an overhead load?</i>
Tuesday
"Don't block your vision or you could be headed for a collision"
OE12937 – October 2001. Forklift operator at Kewaunee was asked to lift a containment fan coil unit in order that a pallet could be placed underneath it. The approach was from an angle, rather than directly from the front due to 4x4's underneath the unit creating a frontal obstruction. The forklift operator maneuvered close to the area, stopped and asked individuals to move. As they began to move, the back end of the forklift swung around, pinning a security officer to a doorframe.
Wednesday
"If your load starts to slip, get out of the way - quick"
December 1997. An employee at a hospital was pushing a food cart down a ramp when she lost control of it. As she tried to stop the cart, she was crushed between it and a wall. She was hospitalized for a fractured ankle and a lacerated ear.
Thursday
"Gravity – it's not just an idea, it's the law"
OE17160 – September 30, 2003. A turbine crew at Byron was lifting a governor valve that was returned from a vendor. The valve was turned from horizontal to vertical and a millwright began removing the plastic weather cover. While the valve was 4 ft above a truck bed, the millwright placed his hand between the valve plug and the muffler. The valve shifted and the valve stem was not gagged as is normally done when returned from the vendor. The plug moved down through the muffler, crushing his hand.
Friday
"Balance your load or get squished like a toad"
OE12517 – April 2001. Mechanics at Grand Gulf were removing a MSIV bonnet using nylon slings. Softeners were used on those places in which the sling contacted 90degree edges on the bonnet. As the load was being adjusted to the vertical position, the load shifted and the softeners rolled out of position. The slings were then cut by the sharp edges and the bonnet dropped several inches onto a wooden shipping crate.
Saturday
"Don't gamble and try to carry more than you can handle"
NMC Safety Manual – "If you are not sure of the weight of a large object, get help from another worker to avoid injury."

Point Beach Nuclear Plant Outage 1R28

DAY 43

Path



Picture

Meets



Doesn't Meet Exceeds

Supporting Operational Excellence

Outage Radiation Performance

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.

Analysis and Actions

Day 43 - May 16
 Actual = 0.092
 Cumulative = 55.334
 Cumulative Forecast = 57.363

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

Meets: <=75 Rem Actual Cum. Dose: 55.334 Rem
 Exceeds: <=71 Rem

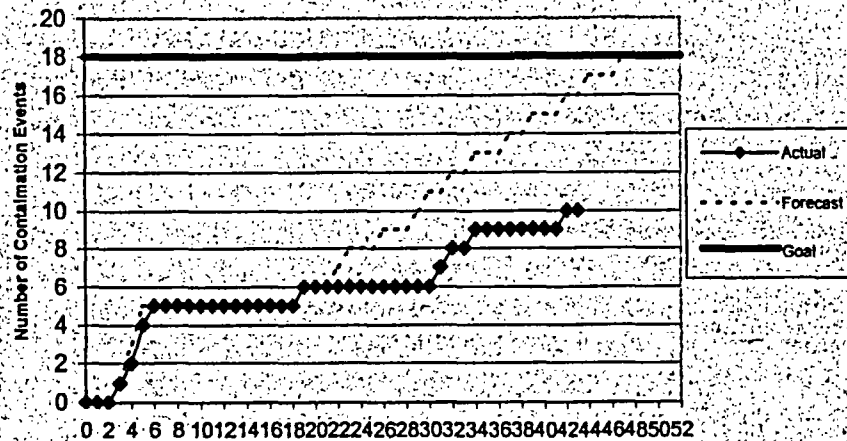
Reactor Head Repair Dose for May 16th is 1.093 vs. goal of 0.086. RV Head Total Dose is 11.631.

Meets: <= 18 Exceeds: <= 12 Actual PCE's: 10

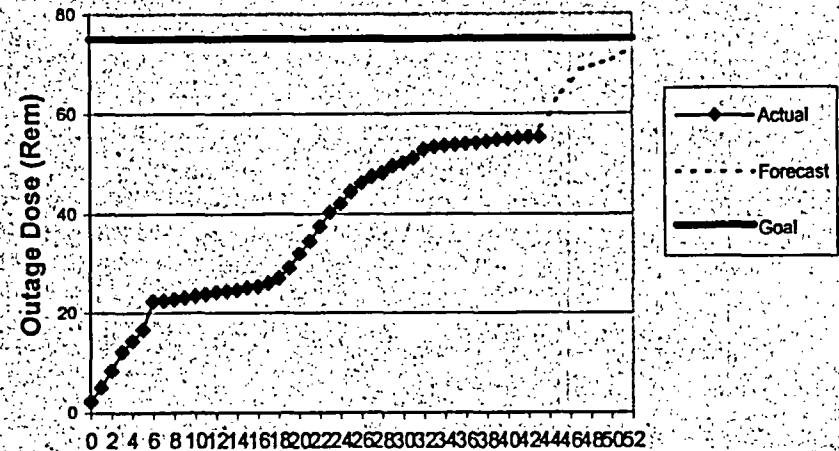
Responsible Manager/Owner

Stu Thomas

Personnel Contamination Events



Cummulative Dose Exposure



Outage Status Report

Plant: Point Beach Unit 1 Day: Tuesday Today's Date / Time: 5/18/04 0300

Outage Duration: Day 45 Of Refueling Outage Number U1R28
Safety Status

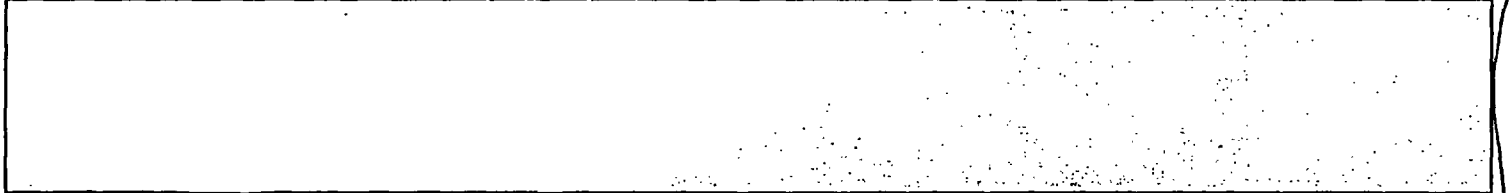
Industrial - Within the last 12 hours
 OSHA Recordables 0 First Aid cases 0 Near misses 0
 Total for this outage 1
 Summary:

Radiological
 Dose to date 55.334 Projected to date * 57.363 Outage Goal ≤75 R
 Difference -2.029 * Reforecast on 5/8 Number of PCEs 10
 Summary: Reactor Head Repair Dose for May 16th is 1.093 vs. goal of 0.086. RV Head Total Dose is 11.631.

Nuclear
 Significant human performance errors and events in last 24 hours 1
 Summary: Cycled a power selector switch in error causing control room alarms and Indicators.

Plant Status
 Mode: Hot Standby (Mode 3) Hot Shutdown (Mode 4) Cold Shutdown (Mode 5) Refueling Shutdown (Mode 6)
 RCS: Temperature: 79 Pressure: Vented to Atmosphere RV Level: Rod Latch Height
 Time to Boil: 30 hours

Shutdown Safety Assessment Protected Equipment: E-14



Major Activities Completed in Last 24 Hours	Critical Path and Near Critical Path Activities (Next 24 Hours)
<ul style="list-style-type: none"> Radiography of T-26 Blow Down Tank Piping 1X03 Station Transformer Removed from Service ✓ Internals Lift Rig Returned to Rx Cavity IT-280A for IMS-2017 A S/G Header Main Steam Stop IT-520B, LRPM testing of 1SI-896A & B U1 Train A & B UV, DV, & LV Relays 	<ul style="list-style-type: none"> Reactor Head Pen #26 Relief Request Issues Setup and Prepare Mockup for Rx Head Pen #26 Grinding Work Package to Grind Out Over Lap on Pen #26 Reactor Head Pen #33 Thermal Sleeve Generator 60# Air Test 1X03 Transformer H52-20 Breaker (On Hold) 1X03 Transformer H52-05 Breaker IMS-2018 B S/G Header Main Steam Stop 1SI-897B SI Test Line Return 1SI-887 SI Test Line Relief

Significant Outstanding Issues

Date	Issue	Due	Responsibility
5/03/04	Reactor Vessel Head Repair Penetration #26 and #33	5/21/04	John Walsh
5/17/04	Rx Head Relief Request	5/21/04	Jim Schweitzer

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		

Point Beach Nuclear Plant
PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

OUTAGE SAFETY ASSESSMENT

UNIT: 1

DATE: May 18, 2004

TIME: 0200

KEY SAFETY FUNCTIONS:

REACTIVITY: GREEN ✓

CORE COOLING: GREEN ✓

POWER AVAILABLE: YELLOW ✓

INVENTORY: GREEN ✓

CONTAINMENT: GREEN ✓

SFP COOLING: NA

PROTECTED EQUIPMENT:

COMMENTS:

RCS Time to Boil is 30 hours. Using NP 10.3.6 Time To Boil curves and curve for core reload complete.

Fire Protection Condition IV: Credit is taken for fire rounds as fire prevention contingency

ex4