



26-45

Point Beach Nuclear Plant U1R28 Refueling Outage

Safety Topics for week of May 2 – 8, 2004
Theme for the week
This week's theme is Hand Protection . During the last week of April, there were a lot of minor hand injuries reported. Although we have come a long way in the last few years, we still have not eliminated hand injuries. It is time we hand protection to the next level.
Daily Safety Snippets
Sunday
<u>"It's difficult to grip when your finger gets snipped"</u> Could you imagine doing your job without your hands? We tend to take it too much for granted that we have two hands at our command, immediately ready to do what we want them to. They not only perform amazing manual tasks, but they also make us money. Just ask anyone who has lost the use of his or her hands.
Monday
<u>"Concerning fingers, do not ignore; Cut one off and you'll grow no more"</u> Limmerk 1999, While lowering a 2000lb. flow diffuser from the high pressure turbine, a worker lost a substantial portion of one finger when the cribbing and jack used to support the diffuser failed and pinned the worker's hand between the diffuser and an I-beam used as part of the cribbing.
Tuesday
<u>"Safety gloves worn is a hand not torn"</u> OE12632 Davis Besse, While performing a search, a security officer ran his hand between the front and back seat of a vehicle. A utility knife with the blade partially open cut the leather outer covering of the search glove, but the Kevlar liner gloves the officer had on protected his hand and prevented a serious injury.
Wednesday
<u>"Where danger lingers, watch your fingers"</u> Workers need to know accidents can happen in the strangest ways. Some accidents are simply bizarre. Others happen when no hazard is apparent. Doors were the source of more than 10,000 hand injuries a year in the US. Vending machines caused more than 100 lost-day hand injuries. And 52 workers injured their hands while walking, according to the statistics.
Thursday
<u>"Practice safety until it fits like a glove"</u> Do you consider gloves as much a part of your normal PPE as your hardhat, safety glasses, and hearing protection? If not, maybe you should be. Always carry a pair of gloves with you when in the plant and use them when operating the valve or picking up scrap metal.
Friday
<u>"A finger tip - don't leave work without them!"</u> On April 4, 2001, a contract employee at Braidwood Station suffered a fractured right hand when an electric hoist disengaged from a crane hook and fell on to the new fuel storage rack. The electric hoist was being used to drag test new spent fuel racks being installed at the station. Workers attached a load cell and the electric hoist to the auxiliary hoist of the fuel building overhead crane, and then connected the electric hoist to a test gage. As the crane operator lowered the auxiliary hook, the test gage hung up on the fuel rack and caused the rigging to move laterally. The electric hoist became disengaged because the safety latch on the auxiliary hook was not used.
Saturday
<u>"It's no hand jive... Proper gloves protect all five"</u> OSHA 1910.138(a): General requirements. Employers shall select and require employees to use appropriate hand protection when employees' hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.

Point Beach Nuclear Plant Outage 1R28

DAY 30

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. Dose: 50.197 Rem
Exceeds: ≤ 71 Rem
Meets: ≤ 18 Exceeds: ≤ 12 Actual PCE's: 6 7

Responsible Manager/Owner

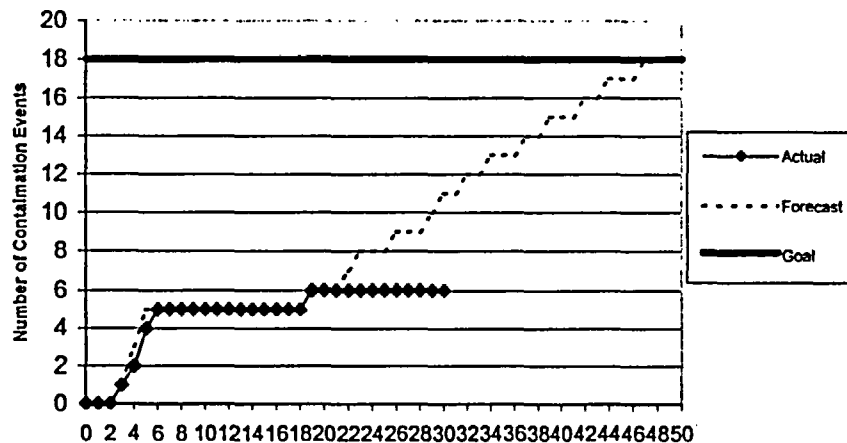
Stu Thomas

Analysis and Actions

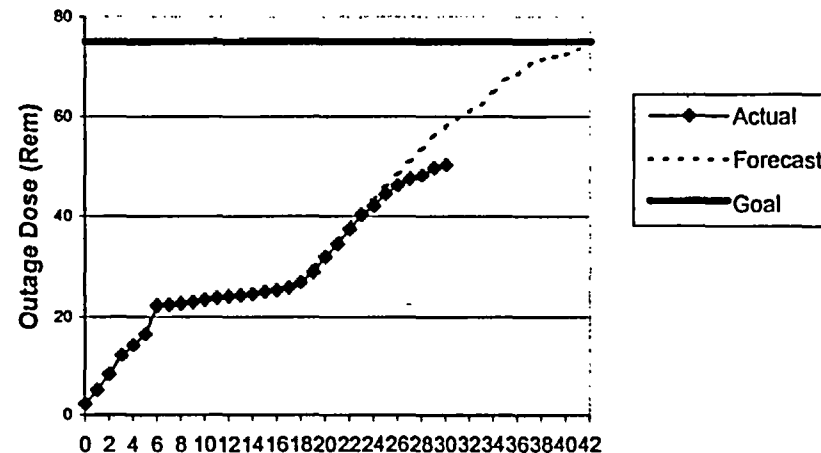
Day 30 - May 3
Actual = 0.585
Cumulative = 50.197
Cumulative Forecast = 57.988

Daily dose and PCE goals reforecasted on 4/23.

Personnel Contamination Events



Cummulative Dose Exposure



Outage Status Report

Plant: Point Beach Unit 1

Day: Wednesday

Today's Date / Time: 5/05/04 0330

Outage Duration: Day 32 Of Refueling Outage Number U1R28

Safety Status

Industrial - Within the last 12 hours

OSHA Recordables

0

First Aid cases

0

Significant near misses

0

Total for this outage

1

Summary:

Radiological

Dose to date

50.197

Projected to date

* 57.988

Outage Goal

≤75 R

Difference

-7.791

* Reforecast on 4/23

Number of PCEs

7

Summary:

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: 84 Pressure: Vented to Atmosphere RV Level: Refueling Height

Time to Boil: 33 hours

Shutdown Safety Assessment Protected Equipment:

ex. 4

Major Activities Completed in Last 24 Hours

- RHR A Loop Work Window
- De-energized 1B-42 MCC
- Remove Buckets from 1B-42 MCC

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

- MOB Packages IWP-037-02
- 1B-42 MCC Bus and Bucket Work
- 1P-15B SI Pump Seal Repair
- Reactor Head Repair Preparation

Significant Outstanding Issues

Date	Issue	Due	Responsibility
4/28/04	1W-3B Shroud Fan Backdraft Damper FME	5/09/04	Terry Guay
5/03/04	Reactor Vessel Head Repair Penetration #26	5/16/04	Jim Schweitzer
5/04/04	CV-1296 Aux Charging Valve	5/05/04	Kevin Krause

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 5, 2004

TIME: 0200

KEY SAFETY FUNCTIONS:

REACTIVITY: GREEN

CORE COOLING: GREEN

POWER AVAILABLE: GREEN

INVENTORY: GREEN

CONTAINMENT: GREEN

SFP COOLING: NA

PROTECTED EQUIPMENT:

COMMENTS:

RCS Time to Boil is 33 hours

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

ex 4