



5-216



**NMC**  
Committed to Nuclear Excellence

Point Beach Refueling  
Outage Edition



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DAY  
55

# U1R28 TODAY

May 28, 2004

EX 4

### CONTACT INFORMATION

Control Room Emergency – x2911  
 EMT Pager 6442  
 Work Control Center – x6703  
 OCC - x 7190 - Option 1  
 Lessons Learned - x7190 - Option 2  
 Plant Status - x7190 - Option 3

### Accomplishments

- Continued Containment Cleanup
- Rod Latch Tool Removed From Containment
- Installed Conoseals
- Installed Pressurizer Manway
- RCS Intact
- I&C Cavity Restoration
- Containment Fan Cooler Testing

### Personnel Safety



Last 24 Hours	Outage to Date
Recordable - 0 Disabling - 0	Recordable - 1* Disabling - 0

\*OSHA Recordable - Back strain.

### Schedule Focus Areas/Priorities

- Containment Cleanup
- RCS Fill & Vent
- Fill Pressurizer Solid

ALARA



Last 24 Hours	Outage to Date
1.318	81.868 R

Dose as of the end of Day 53

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



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### OUTAGE GOALS

NUCLEAR SAFETY PERFORMANCE	GOAL	ACTUAL
Unplanned orange/red paths	None	None
Reactor trips (either unit)	None	1
Safeguards actuation (either unit)	None	None
Loss of shutdown cooling	None	None
Loss of Rx vessel level control	None	None
INDUSTRIAL SAFETY PERFORMANCE		
Lost time accidents	None	None
Personnel injuries (OSHA recordable)	None	1
RADIOLOGICAL PERFORMANCE		
Radiation exposure (Excludes additional dose from any head or BMI repair contingencies)	≤ 92 R	81.868 R
Personnel contaminations	≤ 18 w / >5K CPM	11
Radiological events (defined as unplanned uptake w/assigned dose >10 mrem or dose event based on ED alarms)	≤1 event	1
Radmaterial event (defined as any rad material outside RCA ≥ 100 CPM)	≤1 event	0

HUMAN PERFORMANCE	GOAL	ACTUAL
Security Violations	≤ 12 loggable events	3
Station human performance clock resets	None	4
Rework	≤ 1%	On Goal
SCHEDULE PERFORMANCE		
Outage Duration (excludes extensions due to extended head or BMI inspections)	≤ 30 days	Off Goal
Mod Implementation	100% of Rev 0	On Goal
Schedule Compliance	> 85% schedule compliance with outage milestone	Off Goal
Emergent work (during implementation)	≤ 2% late additions ≤ 5% Emergent	On Goal
Scope	Complete ≥ 95% of Rev 0 scope	On Goal
Operator Burdens	100% of Scheduled Operator Burdens complete	On Goal
Post Outage availability	≥ 150 days of continuous operation	Available at a later date
BUDGET PERFORMANCE	Within -2% to 0% of outage budget	Seriously Challenged

### Operating Experience

#### OE13709 - Inadvertent Unit 2 Train B Safety Injection During Performance of a Surveillance Procedure

On February 26, 2002, at 1438 hours an inadvertent actuation of Unit 2 Train B Safety Injection (SI) occurred. Unit 2 was in Mode 4, heating up per the Unit 2 startup procedure. Reactor Coolant System (RCS) average temperature was approximately 336 degrees F and pressure was approximately 330 psig with 21 and 22 SI pumps in normal standby per procedure. The inadvertent actuation occurred during performance of a surveillance procedure (SP) to test reactor trip and bypass breakers auxiliary contacts. Plant electricians were installing voltmeter test probes on terminals TB6N-8 and TB6N-9 in Train B Safeguards Rack 2BSG2 in accordance with the procedure to obtain voltage readings during subsequent steps of the SP. After installing a test probe on terminal TB6N-9, the electrician proceeded to install the second test probe on TB6N-8 per the procedure. While installing the test probe, the electrician inadvertently made contact with the adjacent terminal TB6N-7. This inadvertent contact shorted the two terminals (7 and 8) causing Train B SI to actuate by energizing SIB relay. The actuation started Train B safeguards equipment.

**Lessons Learned:** The root cause was determined to be Interface Design – inadequate layout and accessibility.

#### Human Performance

Job observations are the best – put your worker practices to the test. It will make us better then the rest. Job observations are performed to help reinforce and coach workers on observed behaviors. This leads to enhanced performance. In this industry we must strive for continuous improvement. Job observations are a necessary fact of our jobs.

#### Safety Snippet

**Before heat up, make sure someone has done the clean-up**

OE57698 April 2004, Palo Verde – Two mechanics received second degree burns to the face as the result of a flash fire that occurred as they began pre-heating for welding. Isopropyl alcohol was used to clean and liquid had accumulated in the casing of the equipment. The oncoming crew was not aware of this buildup as they began work.