

NRC

8-75

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: April 16, 2004 Time: 1400 Preparer: Andrea Longston U 1 R 28

NOTE: Refer to base procedure NP 10.3.6 for safety assessment checklist KSF definitions.

NOTE: Whenever fuel has been removed from the reactor vessel and refueling cavity, all key safety functions are GREEN except spent fuel pool cooling.

KEY SAFETY FUNCTION CRITERIA: No/False = 0, Yes/True = 1 through 4

Table with 4 columns: Item, Subtotal, Condition. Section: REACTIVITY. Items include RCS Boron concentration, boration paths, fuel motion, and SR instrumentation operable. Subtotal = 5. Conditions: RED, ORANGE, YELLOW, GREEN.

Table with 4 columns: Item, Subtotal, Condition. Section: CORE COOLING. Items include SG available for DHR, refueling cavity filled, trains RHR available, and RCS level above REDUCED INVENTORY. Subtotal = 3. Conditions: RED, ORANGE, YELLOW, GREEN.

Table with 4 columns: Item, Subtotal, Condition. Section: POWER AVAILABILITY. Items include independent off-site power sources, G-01/G-02/A-05/B-03 available, and G-05 available. Subtotal = 4. Conditions: RED, ORANGE, YELLOW, GREEN.

Table with 4 columns: Item, Subtotal, Condition. Section: INVENTORY. Items include Pressurizer level, refueling cavity filled, RCS level above REDUCED INVENTORY, and Makeup from VCT/BLENDER. Subtotal = 3. Conditions: RED, ORANGE, YELLOW, GREEN.

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 4

FOIA/PA-2004-0282

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|    | CONTAINMENT   |                   | Subtotal |              |
|----|---|-------------------|----------|--------------|
| 1. | Containment integrity (TS 15.1.D) {Containment Operable} {ITS TS 3.6.1} set             | (0 or 4) <u>0</u> | 0        | RED          |
| 2. | Containment Closure CL-1E maintained and closure < time to boil                         | (0 or 2) <u>2</u> | 1        | ORANGE       |
| 3. | No fuel motion  | (0-1) <u>1</u>    | 2-3      | YELLOW       |
| 4. | DHR Capability:   |                   | 4-5-6    | <b>GREEN</b> |
|    | - cavity flooded and internals out  |                   |          |              |
|    | <u>OR</u>   |                   |          |              |
|    | - at least one SG available   |                   |          |              |
|    | <u>OR</u>   |                   |          |              |
|    | - one fan cooler with Equip hatch installed and personnel hatches capable of being shut | (0-1) <u>1</u>    |          |              |
|    | <b>Subtotal =</b>   | <b><u>4</u></b>   |          |              |

**SPENT FUEL POOL COOLING**  
(ONLY APPLICABLE when starting AND during FULL CORE OFFLOADS)

**NOTE:** Take credit for only one P-12 independent offsite power source during periods of single X-03 or X-04 availability (\*).

|    |   |                   | Subtotal |        |
|----|---|-------------------|----------|--------|
| 1. | "A" SFP cooling pump available with power available from:   |                   | 0-1      | RED    |
|    | - G-02 or G-01 via 2B-32  | (0-1) <u>n/a</u>  | 2        | ORANGE |
|    | -(*) an independent off-site power source different than that for Train B below                     | (0-1) <u>n/a</u>  | 3        | YELLOW |
|    |   |                   | 4-5      | GREEN  |
| 2. | "B" SFP cooling pump available with power available from:   |                   |          |        |
|    | - G-03 or G-04 via 1B-42  | (0-1) <u>n/a</u>  |          |        |
|    | -(*) an independent off-site power source different than that for Train A above                     | (0-1) <u>n/a</u>  |          |        |
| 3. | Temporary power available to one SFP cooling pump, G-05 available, and SFP time to boil ≥ 12 hours. | (0-1) <u>n/a</u>  |          |        |
|    | <b>Subtotal =</b>   | <b><u>n/a</u></b> |          |        |

SFP Temperatures:  
NW n/a °F  
SE n/a °F  
SFP Average Temp n/a °F  
SFP Time to Boil n/a

**GIVE A BRIEF EXPLANATION OF ANY CHANGE IN SAFETY ASSESSMENT THAT TOOK PLACE:**

No change from previous shift.

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OUTAGE SAFETY ASSESSMENT

UNIT: 1

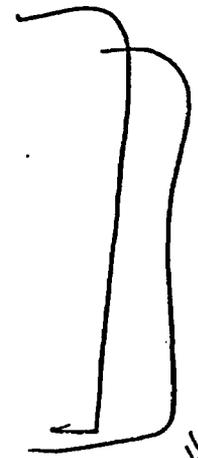
DATE: April 16, 2004

TIME: 1400

KEY SAFETY FUNCTIONS:

REACTIVITY: GREEN  
CORE COOLING: YELLOW  
POWER AVAILABLE: GREEN  
INVENTORY: YELLOW  
CONTAINMENT: GREEN  
SFP COOLING: NA

PROTECTED EQUIPMENT:



ex 4

COMMENTS:

Fire Protection Condition III: Crediting existing fire rounds as fire prevention contingency  
RCS Time to Boil is 52 minutes  
RCS is at 69% Reactor Vessel Level  
Hot Leg Vent Path is the Pressurizer Manway