

MRC

3-109

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: April 23, 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.

Table with 4 columns: Item, Subtotal, Condition. Section: CORE COOLING. Items include SG available for DHR, refueling cavity filled, RHR available, and RCS level above REDUCED INVENTORY.

Table with 4 columns: Item, Subtotal, Condition. Section: POWER AVAILABILITY. Items include off-site power sources, G-01/G-02/A-05/B-03, G-03/G-04/A-06/B-04, and G-05 availability.

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.

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

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CONTAINMENT		Subtotal	Condition
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>	2-3	YELLOW
3.	No fuel motion (0-1) <u>0</u>	4-5-6	GREEN
4.	DHR Capability: - 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>		
Subtotal =		<u>3</u>	

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	Condition
1.	"A" SFP cooling pump available with power available from: - G-02 or G-01 via 2B-32 - (*) an independent off-site power source different than that for Train B below (0-1) <u>n/a</u>	0-1 2 3 4-5	RED ORANGE YELLOW GREEN
2.	"B" SFP cooling pump available with power available from: - G-03 or G-04 via 1B-42 - (*) 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>		
Subtotal =		<u>n/a</u>	

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:

Reactivity and Containment are YELLOW for upper internals lift. After the upper internals lift is completed, Reactivity and Containment will turn GREEN. Sump B is being credited for INVENTORY with only one makeup path available. RWST level is <16% so the only REACTIVITY path is through the BAST's and the P-2C pump and AUX. CHG. lines. INVENTORY flow path is through the RMW/BAST's through the P-2C and AUX. CHG. lines.

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OUTAGE SAFETY ASSESSMENT

UNIT: 1

DATE: April 23, 2004

TIME: 1400

KEY SAFETY FUNCTIONS:

REACTIVITY: YELLOW

CORE COOLING: GREEN

POWER AVAILABLE: GREEN

INVENTORY: GREEN

CONTAINMENT: YELLOW

SFP COOLING: NA

PROTECTED EQUIPMENT:



COMMENTS:

Unit 1 is in Mode 6
Fire Protection Condition IV: Credit is taken for fire rounds as fire prevention contingency
RCS Time to Boil is 19 hours
RCS Cavity Level is at Upper Vessel Internal Lift Height
Hot Leg Vent Path is the Pressurizer manway

ex4