

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: April 25, 2004 Time: 0200 Preparer: T. R. Branam 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, Number of boration paths, No fuel motion, SR instrumentation operable. Subtotal = 4. Condition: YELLOW.

Table with 4 columns: Item, Subtotal, Condition. Section: CORE COOLING. Items include Number of SG available for DHR, Refueling cavity filled, Number of trains RHR available, RCS level above REDUCED INVENTORY. Subtotal = 4. Condition: GREEN.

RCS TEMP = 88°F; 22 days shutdown, RCS Level = Refueling Height; Pzr Level = 58 % RCS Time to Boil 22.5 hrs (Applicable at Cold or Refueling Shutdown)

Table with 4 columns: Item, Subtotal, Condition. Section: POWER AVAILABILITY. Items include Independent off-site power sources, G-01 or G-02/A-05/B-03 available, G-03 or G-04/A-06/B-04 available, G-05 available. Subtotal = 5. Condition: GREEN.

Table with 4 columns: Item, Subtotal, Condition. Section: INVENTORY. Items include Pressurizer level >= 20 percent w/head on, Refueling Cavity filled, RCS level above REDUCED INVENTORY, Makeup from VCT/BLENDER and/or RWST available. Subtotal = 5. Condition: GREEN.

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>	1 2-3 4-5-6 ORANGE
3.	No fuel motion	(0-1) <u>0</u>	GREEN
4.	DHR Capability:		
	- cavity flooded and internals out		
	OR		
	- at least one SG available		
	OR		
	- 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:	0-1	RED
	- G-02 or G-01 via 2B-32	(0-1) <u>1</u>	2 ORANGE
	- (*) an independent off-site power source different than that for Train B below	(0-1) <u>1</u>	3 YELLOW
2.	"B" SFP cooling pump available with power available from:		4-5 GREEN
	- G-03 or G-04 via 1B-42	(0-1) <u>1</u>	
	- (*) an independent off-site power source different than that for Train A above	(0-1) <u>1</u>	
3.	Temporary power available to one SFP cooling pump, G-05 available, and SFP time to boil ≥ 12 hours.	(0-1) <u>0</u>	
		Subtotal = <u>4</u>	

SFP Temperatures:

NW 77 °F

SE 73 °F

SFP Average Temp 75 °F

SFP Time to Boil 21 hrs

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

Reactivity and Containment are **YELLOW** during fuel motion.
SFP is being monitored during refueling operation.

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OUTAGE SAFETY ASSESSMENT

UNIT: 1

DATE: April 25, 2004

TIME: 0200

KEY SAFETY FUNCTIONS:

REACTIVITY: YELLOW

CORE COOLING: GREEN

POWER AVAILABLE: GREEN

INVENTORY: GREEN

CONTAINMENT: YELLOW

SFP COOLING: GREEN

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 22.5 hours
SFP Time to Boil is 21 hours (Full core off-load is assumed)
Refueling Cavity is at Refueling Height
Hot Leg Vent Path is the Pressurizer manway
Reactivity and Containment are yellow during fuel movement.