

9-171 NRC

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: May 5, 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

REACTIVITY table with 4 rows: RCS Boron concentration, Number of boration paths, No fuel motion, SR instrumentation operable. Includes subtotal = 5 and condition GREEN.

CORE COOLING table with 4 rows: Number of SG available for DHR, Refueling cavity filled, Number of trains RHR available, RCS level above REDUCED INVENTORY. Includes subtotal = 4 and condition GREEN.

POWER AVAILABILITY table with 3 rows: Independent off-site power sources, G-01 or G-02/A-05/B-03 available, G-05 available. Includes subtotal = 5 and condition GREEN.

INVENTORY table with 4 rows: Pressurizer level, Refueling Cavity filled, RCS level above REDUCED INVENTORY, Makeup from VCT/BLENDER. Includes subtotal = 4 and condition 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	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	ORANGE
3.	No fuel motion (0-1) <u>1</u>	2-3	YELLOW
4.	DHR Capability:	4-5-6	GREEN
	- 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>4</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>NA</u>	2	ORANGE
	-(*) an independent off-site power source different than that for Train B below (0-1) <u>NA</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>NA</u>		
	-(*) an independent off-site power source different than that for Train A above (0-1) <u>NA</u>		
3.	Temporary power available to one SFP cooling pump, G-05 available, and SFP time to boil ≥ 12 hours. (0-1) <u>NA</u>		
Subtotal = <u>NA</u>			
SFP Temperatures:			
NW	<u>NA</u> °F		
SE	<u>NA</u> °F		
SFP Average Temp	<u>NA</u> °F		
SFP Time to Boil	<u>NA</u>		

GIVE A BRIEF EXPLANATION OF ANY CHANGE IN SAFETY ASSESSMENT THAT TOOK PLACE: *None*

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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

ex4