

9-319

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: June 2, 2004 Time: 0230 Preparer: James Hanna 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

		Subtotal	Condition
REACTIVITY			
1. RCS Boron concentration 3275 ppm			
a.) For RSD, RCS boron > Refueling boron concentration specified in unit-specific COLR (TRM 2.1) > 2200 ppm	(0-1) <u>1</u>	0-1	RED
b.) For CSD and prior to RSD no fuel motion, RCS boron > boron concentration required by OP 3C	(0-2) <u>2</u>	2	ORANGE
2. Number of boration paths	(0-1) <u>1</u>	3-4	YELLOW
3. No fuel motion	(0-1) <u>1</u>	5	GREEN
4. SR instrumentation operable			
Subtotal =	<u>5</u>		
CORE COOLING			
1. Number of SG available for DHR	(0-2) <u>2</u>	0-1	RED
2. Refueling cavity filled	(0-1) <u>0</u>	2	ORANGE
3. Number of trains RHR available	(0-2) <u>2</u>	3	YELLOW
4. RCS level above REDUCED INVENTORY	(0-1) <u>1</u>	4-5	GREEN
RCS Temperature = 190°F; 60 days shutdown			
RCS is solid, S/G tubes filled			
Subtotal =	<u>5</u>		
RCS Time to Boil <u>N/A</u> (Applicable at Cold or Refueling Shutdown)			
POWER AVAILABILITY			
1. Independent off-site power sources available to A-05 and A-06 (totally independent at the 4160 V, 13.8 kV, and 345 kV levels)	(0-2) <u>2</u>	4-5	GREEN
2. G-01 or G-02/A-05/B-03 available	(0-1) <u>1</u>		
G-03 or G-04/A-06/B-04 available	(0-1) <u>1</u>		
3. G-05 available, Reactor Cavity filled to ≥ 23 ft above the top of the reactor vessel flange, upper internals removed and RCS time to boil ≥ 12 hours.	(0-1) <u>0</u>		
Subtotal =	<u>4</u>		
INVENTORY			
1. Pressurizer level ≥ 20 percent w/head on.	(0-1) <u>1</u>	0-1	RED
2. Refueling Cavity filled (see definition)	(0-3) <u>0</u>	2	ORANGE
3. RCS level above REDUCED INVENTORY	(0-1) <u>1</u>	3	YELLOW
4. Makeup from VCT/BLENDER and/or RWST available	(0-2) <u>2</u>	4	GREEN
Subtotal =	<u>4</u>		

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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	<u>YELLOW</u>
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	2	ORANGE
	-(*) an independent off-site power source different than that for Train B below	3	YELLOW
	(0-1) <u>NA</u>	4-5	GREEN
2.	"B" SFP cooling pump available with power available from:		
	- 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 NA °F

SE NA °F

SFP Average Temp NA °F

SFP Time to Boil NA

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

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OUTAGE SAFETY ASSESSMENT

UNIT: 1

DATE: June 2, 2004

TIME: 0230

KEY SAFETY FUNCTIONS:

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

PROTECTED EQUIPMENT:

COMMENTS:

Ex4

V2

LCO TDA FWP

5/31 0630

6/1 2003