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Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: May 18, 2004 Time: 0200 Preparer: Sara Scott 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 columns: Item, Score, Subtotal, Condition. Includes items like RCS Boron concentration, Refueling boron, and SR instrumentation operable. Subtotal = 5, Condition = GREEN.

CORE COOLING

Table with 4 columns: Item, Score, Subtotal, Condition. Includes items like Number of SG available, Refueling cavity filled, and RCS level above REDUCED INVENTORY. Subtotal = 4, Condition = GREEN.

POWER AVAILABILITY

Table with 4 columns: Item, Score, Subtotal, Condition. Includes items like Independent off-site power sources, G-01 or G-02/A-05/B-03 available, and G-05 available. Subtotal = 3, Condition = YELLOW.

INVENTORY

Table with 4 columns: Item, Score, Subtotal, Condition. Includes items like Pressurizer level, Refueling Cavity filled, and Makeup from VCT/BLENDER. Subtotal = 4, Condition = GREEN.

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

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			Subtotal	
<b>CONTAINMENT</b>				
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	<del>YELLOW</del>
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>	<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	
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>		
	<b>Subtotal =</b>	<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:**

RCS Boron increased from 3002 to 3020 ppm  
The RHR Reactivity flow path changed from train "B" to train "A".

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**PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST**  
**OUTAGE SAFETY ASSESSMENT**

UNIT:   1  

DATE:   May 18, 2004  

TIME:   0200  

**KEY SAFETY FUNCTIONS:**

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

**PROTECTED EQUIPMENT:**

**COMMENTS:**

RCS Time to Boil is 30 hours. Using NP 10.3.6 Time To Boil curves and curve for core reload complete.

- Fire Protection Condition IV: Credit is taken for fire rounds as fire prevention contingency

EX4