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PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

Date: May 15, 2004 Time: 1530 Preparer: Kevin J Bennett 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, Criteria, Subtotal, Condition. Section: REACTIVITY. Rows include RCS Boron concentration, Number of boration paths, No fuel motion, SR instrumentation operable. Subtotal = 5. Condition: GREEN.

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

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

Table with 4 columns: Item, Criteria, Subtotal, Condition. Section: INVENTORY. Rows include Pressurizer level ≥20 percent w/head on, Refueling Cavity filled, RCS level above REDUCED INVENTORY, Makeup from VCT/BLENDER. Subtotal = 5. Condition: GREEN.

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 4 FOIA-IPA-2004-0282

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

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 2-3 <b>YELLOW</b> 4-5-6 GREEN
3.	No fuel motion	(0-1) <u>1</u>	
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>0</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	2	ORANGE
	-(*) an independent off-site power source different than that for Train B below	3	YELLOW
		4-5	GREEN
	(0-1) <u>NA</u>		
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:**

RWST level is being lowered in preparation for cavity drain down (will remain >40% level).

Look-ahead: When Cavity is drained to below Rod Latch height, we will lose one point for Core Cooling (will go YELLOW) and two points for Inventory (will go YELLOW).

Point Beach Nuclear Plant  
PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

OUTAGE SAFETY ASSESSMENT

UNIT: 1

DATE: May 15, 2004

TIME: 1530

KEY SAFETY FUNCTIONS:

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

PROTECTED EQUIPMENT:

COMMENTS:

RCS Time to Boil is 30 hours. Using NP 10.3.6 Time To Boil curves.  
Fire Protection Condition IV: Credit is taken for fire rounds as fire prevention contingency

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