9-165 NKC

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

NOTE:	Refer to be	ase procedur	e NP 10.3.6 j	for safety assessm	ent checklist K	SF definitions.			
NOTE:		fuel has bee <u>xcept</u> spent fi		om the reactor ve ling.	essel <u>and</u> refuel	ing cavity, all k	ey safe	ty functio	ns are
KEY SA	AFETY FUNC	TION CRITI	ERIA: No/F	alse = 0, Yes/True	= 1 through 4				
	REACTIVIT					Subto	tal	Con	dition
1.	concent (TRM 2	D, RCS boron ration specific 2.1) >2200 pp	>Refueling ed in unit-spo om	boron ecific COLR					
	b.) For CSI RCS box			equired by OP 3C	(0-1) 1	0-1		RED)
2.	Number of bo			, , , , , , , , , , , , , , , , , , , ,	(0-2) 2	2			NGE
3.	No fuel motion				(0-1) 1	3-4		YEL	7
4.	SR instrume	ntation oper: on concentrat			(0-1) 1	. 5		GRE	EN
	Cavily Doro	on concentral			total = <u>5</u>				
	CORE COO	LING		· · · · · · · · · · · · · · · · · · ·		Subto	tal	Con	dition
1.	Number of S		r DHR		(0-2) 0	0-1	LAI	RED	
2.	Refueling cav	ity filled			(0-1) 1	2			NGE
3.	Number of tra				(0-2) 1	3		YEL	LOW
		ove REDIICE	D INVENT	שמע	(0.1) 1	4-5		GIG	
4.	RCS level abo	ove ICEDUCE		JKI	(0-1)1_	. 4-5		O.C.	
RCS T	ГЕМР =83°F; 31	days shutdow			total = 3	. 4-3		O.C.	
RCS T	ΓΕΜΡ =83°F; 31 Level = Refueling	days shutdow Height	п,	Sub	total = 3	•			.E.V.
RCS T	ГЕМР =83°F; 31	days shutdow Height	п,		total = 3	•			
RCS T RCS I RCS T	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV	days shutdow Height 33 hrs	n, (Applicable	Sub	total = 3	•	tal	Cone	lition
RCS T	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of	days shutdow Height 33 hrs AILABILIT	n, (Applicable Y	Sub	total = 3	Subto	tal	Cone RED	lition
RCS T RCS I RCS T	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of available to A	days shutdow Height 33 hrs AILABILIT off-site power	n, (Applicable Y sources (totally	Sub	total = 3	Subto	tal	Cone RED	lition
RCS I RCS I RCS I	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of available to A independent a and 345 kV le	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 at the 4160 V,	(Applicable Y sources (totally 13.8 kV,	Sub	total = 3	Subto	tal	Cone RED	lition NGE
RCS T RCS I RCS T	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 at the 4160 V, evels) /A-05/B-03 a	n, (Applicable Y sources (totally 13.8 kV,	Sub	(0-2) 2 (0-1) 1	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCS I RCS I RCS I	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 at the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a	n, (Applicable Y sources (totally 13.8 kV, vailable	Sub at Cold or Refue	total = 3 ling Shutdown (0-2)2	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCS I RCS I RCS I	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 at the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca	(Applicable Y Sources (totally 13.8 kV, vailable vailable vity filled to	Sub at Cold or Refue	(0-2) 2 (0-1) 1	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCS I RCS I RCS I	FEMP =83°F; 31 Level = Refueling Time to Boil POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04	days shutdow Height 33 hrs AILABILIT off-site power 1-05 and A-06 at the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca	(Applicable Y Sources (totally 13.8 kV, vailable vailable vity filled to	Sub at Cold or Refue ≥ 23 ft e, upper	(0-2) 2 (0-1) 1	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCS I RCS I RCS I	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top	days shutdow Height 33 hrs AILABILIT off-site power 1-05 and A-06 at the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca	(Applicable Y Sources (totally 13.8 kV, vailable vailable vity filled to	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours.	(0-2) 2 (0-1) 1 (0-1) 1	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCS I RCS I RCS I	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top	days shutdow Height 33 hrs AILABILIT off-site power 1-05 and A-06 at the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca	(Applicable Y Sources (totally 13.8 kV, vailable vailable vity filled to	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours.	(0-2) 2 (0-1) 1	Subto 1 2 3	tal	Conc RED ORA	lition NGE
RCST RCST RCST	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals remo	days shutdow Height 33 hrs AILABILIT off-site power 1-05 and A-06 1t the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS	(Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to vessel flang time to boil	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	(0-2) 2 (0-1) 1 (0-1) 1	Subto 1 2 3 4-5		Cone RED ORA VENE GRE	lition NGE LOW EN
RCS I RCS I RCS I	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals remo	days shutdow Height 33 hrs AILABILIT off-site power 1-05 and A-06 1t the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS	(Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to vessel flang time to boil	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	total = $\frac{3}{3}$ ling Shutdown $ \begin{array}{c cccc} (0-2) & 2 & \\ (0-1) & 1 & \\ \hline (0-1) & 1 & \\ \hline total = & 5 & \\ \end{array} $	Subto 1 2 3 4-5 Subto 0-1		Conc RED ORA UTA GRE Conc RED	lition NGE LOV EN
1. 2. 3.	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals remo	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 to the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS	(Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to r vessel flang time to boil	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	total = $\frac{3}{3}$ ling Shutdown $ \begin{array}{c cccc} (0-2) & 2 & \\ (0-1) & 1 & \\ (0-1) & 1 & \\ \hline total = & 5 & \\ \end{array} $	Subto 1 2 3 4-5 Subto 0-1 2		Conc RED ORA Conc RED ORA	lition LNGE LEN
RCST RCST RCST	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals remo	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 t the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS Y vcl ≥20 perce vity filled (see	(Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to vessel flang time to boil ent w/head on	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	total = $\frac{3}{3}$ ling Shutdown $ \begin{array}{c cccc} (0-2) & 2 & \\ (0-1) & 1 & \\ \hline (0-1) & 1 & \\ \hline total = & 5 & \\ \end{array} $	Subto 1 2 3 4-5 Subto 0-1		Conc RED ORA UTA GRE Conc RED	lition NGE Lition
1. 2. 3.	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals removed in the control of the control o	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 to the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS Y vci ≥20 perce vity filled (see	n, (Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to vessel flang time to boil ent w/head on	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	total = $\frac{3}{3}$ ling Shutdown (0-2) $\frac{2}{1}$ (0-1) $\frac{1}{1}$ (0-1) $\frac{1}{1}$ total = $\frac{5}{3}$ (0-1) $\frac{0}{3}$ (0-1) $\frac{1}{1}$	Subto 1 2 3 4-5 Subto 0-1 2 3		Cond RED ORA Cond RED ORA	lition NGE Lition NGE
1. 2. 3. 1. 2. 3.	POWER AV Independent of available to A independent a and 345 kV le G-01 or G-02 G-03 or G-04 G-05 available above the top internals removed in the control of the control o	days shutdow Height 33 hrs AILABILIT off-site power -05 and A-06 to the 4160 V, evels) /A-05/B-03 a /A-06/B-04 a e, Reactor Ca of the reactor oved and RCS Y vci ≥20 perce vity filled (see	n, (Applicable Y sources (totally 13.8 kV, vailable vailable vity filled to vessel flang time to boil ent w/head on	Sub at Cold or Refue ≥ 23 ft e, upper ≥ 12 hours. Sub	total = $\frac{3}{3}$ ling Shutdown $ \begin{array}{c cccc} (0-2) & 2 & \\ (0-1) & 1 & \\ \hline (0-1) & 1 & \\ \hline total = & 5 & \\ \hline (0-1) & 0 & \\ (0-3) & 3 & \\ \hline \end{array} $	Subto 1 2 3 4-5 Subto 0-1 2 3		Cond RED ORA Cond RED ORA	lition NGE Lition NGE

Information in this record was deleted

in accordance with the Freedom of Information

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Revision 2 10/30/02 Act, exemptions # FOLA/PA-2004-0282

References: NP 10.3.6

NP 10.2.1

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

	CONTAINMENT		Subtotal	Condition
1.	Containment integrity (TS 15.1.D) {Containment		0	RED
	Operable {ITS TS 3.6.1} set	(0 or 4) 0	1	ORANGE
2.	Containment Closure CL-1E maintained	· · ·	2-3	TELLOW
	and closure < time to boil	(0 or 2)2	4-5-6	GREEN
3.	No fuel motion	(0-1) 1		
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) 1		
	į į	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: - G-02 or G-01 via 2B-32 -(*) an independent off-site power source different than that for Train B below	(0-1) <u>NA</u> (0-1) <u>NA</u>	Subtotal 0-1 2 3 4-5	Condition RED ORANGE YELLOW GREEN
 2. "B" SFP cooling pump available with power available from: G-03 or G-04 via 1B-42 -(*) an independent off-site power source different than that for 	(0-1) <u>NA</u>		
Train A above 3. Temporary power available to one SFP cooling pump, G-05 available, and SFP time to boil ≥ 12 hours.	(0-1) <u>NA</u> (0-1) <u>NA</u>		
SFP Temperatures: NW NA °F SW NA °F SE NA °F SFP Average Temp NA °F SFP Time to Boil NA	Subtotal = <u>NA</u>		

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

1P-10A returned to service.

Containment Sump B Screen re-installed.

PBF-1562 Revision 2 10/30/02 References: NP 10.3.6

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NP 10.2.1

Point Beach Nuclear Plant

PBNP SHUTDOWN SAFETY ASSESSMENT AND FIRE CONDITION CHECKLIST

OUTAGE SAFETY ASSESSMENT

DATE: _	May 4, 2004	TIME:	0300
<u>i</u>			
GREEN			
YELLOW			
GREEN			
GREEN			
GREEN			
NA.			
hours	t is taken for fire roun	ds as fire preventi	on contingency
	GREEN YELLOW GREEN GREEN NA.	GREEN YELLOW GREEN GREEN GREEN NA.	GREEN YELLOW GREEN GREEN GREEN NA.

PBF-1562 Revision 2 10/30/02 References: NP 10.3.6

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NP 10.2.1