

From: "WALLI, LORI A." <LWALLI@energy-northwest.com>
To: "Brian Benney" <BJB@nrc.gov>
Date: 3/13/06 6:25PM
Subject: Technical Specification Pages

Brian,

Attached are the clean TS pages for 3.8.1. Do you need a hard copy sent to you? Let me know and I'll put one in FedEx.

Thanks,

Lori

This e-mail message and all attachments transmitted with it are for the sole use of the intended recipient(s) and may contain confidential and/or legally privileged information. Please DO NOT forward this e-mail outside of the recipient's company unless expressly authorized to do so herein. Any unauthorized review; use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.
Warning: Although Energy Northwest has taken reasonable precautions to ensure no viruses are present in this e-mail, the agency cannot accept responsibility for any loss or damage arising from the use of this e-mail or its attachments.

CC: "RHOADS, JERRAL E." <JERHOADS@energy-northwest.com>

Mail Envelope Properties (4415FF4C.062 : 21 : 20578)

Subject: Technical Specification Pages
Creation Date: 3/13/06 6:24PM
From: "WALLI, LORI A." <LWALLI@energy-northwest.com>

Created By: LWALLI@energy-northwest.com

Recipients

nrc.gov
owf4_po.OWFN_DO
BJB (Brian Benney)

energy-northwest.com
JERHOADS CC (JERRAL E. RHOADS)

Post Office

owf4_po.OWFN_DO

Route

nrc.gov
energy-northwest.com

Files	Size	Date & Time
MESSAGE	1081	03/13/06 06:24PM
TEXT.htm	2014	
TS_Pages.pdf	116688	
Mime.822	165486	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Brian, Attached are the clean TS pages for 3.8.1. Do you need a hard copy sent to you? Let me know and I'll put one in FedEx. Thanks, Lori

***** This e-mail message and all attachments transmitted with it are for the
sole use of the intended recipient(s) and may contain confidential and/or legally privileged
information. Please DO NOT forward this e-mail outside of the recipient's company unless
expressly authorized to do so herein. Any unauthorized review; use, disclosure or distribution is
prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and
destroy all copies of the original message. Warning: Although Energy Northwest has taken
reasonable precautions to ensure no viruses are present in this e-mail, the agency cannot accept
responsibility for any loss or damage arising from the use of this e-mail or its attachments.

AC Sources - Operating
3.8.1

3.8 ELECTRICAL POWER SYSTEMS

3.8.1 AC Sources - Operating

LCO 3.8.1 The following AC electrical power sources shall be OPERABLE:

- a. Two qualified circuits between the offsite transmission network and the onsite Class 1E AC Electric Power Distribution System; and
- b. Three diesel generators (DGs).

APPLICABILITY: MODES 1, 2, and 3.

-----NOTE-----
 Division 3 AC electrical power sources are not required to be OPERABLE when High Pressure Core Spray System is inoperable.

ACTIONS

-----NOTE-----
 LCO 3.0.4.b is not applicable to DGs.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One offsite circuit inoperable.	A.1 Perform SR 3.8.1.1 for OPERABLE offsite circuit.	1 hour
	AND	AND Once per 8 hours thereafter (continued)

AC Sources – Operating
3.8.1

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. (continued)	A.2 Declare required feature(s) with no offsite power available inoperable when the redundant required feature(s) are inoperable.	24 hours from discovery of no offsite power to one division concurrent with inoperability of redundant required feature(s)
	<u>AND</u> A.3 Restore offsite circuit to OPERABLE status.	72 hours <u>AND</u> 6 days from discovery of failure to meet LCO when not associated with Required Action B.4.2.2 <u>AND</u> 17 days from discovery of failure to meet LCO
B. One required DG inoperable.	B.1 Perform SR 3.8.1.1 for OPERABLE offsite circuit(s). <u>AND</u>	1 hour <u>AND</u> Once per 8 hours thereafter (continued)

AC Sources -- Operating
3.8.1

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.2 Declare required feature(s), supported by the inoperable DG, inoperable when the redundant required feature(s) are inoperable.	4 hours from discovery of Condition B concurrent with inoperability of redundant required feature(s)
	<u>AND</u>	
	B.3.1 Determine OPERABLE DG(s) are not inoperable due to common cause failure.	24 hours
	<u>OR</u>	
	B.3.2 Perform SR 3.8.1.2 for OPERABLE DG(s).	24 hours if not performed within the past 24 hours
	<u>AND</u>	
	B.4.1 Restore required DG to OPERABLE status.	72 hours* from discovery of an inoperable DG
	<u>AND</u>	
		6 days from discovery of failure to meet LCO
	<u>OR</u>	
		(continued)

* On a one-time basis, during the refurbishment/replacement of the 1B Service Water Pump during Cycle 18, the Completion Time for the Division 2 DG is extended to 144 hours.

AC Sources – Operating
3.8.1

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. (continued)	B.4.2.1 Establish risk management actions for the alternate AC sources.	72 hours
	<u>AND</u> B.4.2.2 Restore required DG to OPERABLE status.	14 days <u>AND</u> 17 days from discovery of failure to meet LCO
C. Two offsite circuits inoperable.	C.1 Declare required feature(s) inoperable when the redundant required feature(s) are inoperable.	12 hours from discovery of Condition C concurrent with inoperability of redundant required feature(s)
	<u>AND</u> C.2 Restore one offsite circuit to OPERABLE status.	24 hours

(continued)

AC Sources – Operating
3.8.1

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. One offsite circuit inoperable. <u>AND</u> One required DG inoperable.	-----NOTE----- Enter applicable Conditions and Required Actions of LCO 3.8.7, "Distribution Systems – Operating," when Condition D is entered with no AC power source to any division. ----- D.1 Restore offsite circuit to OPERABLE status. <u>OR</u> D.2 Restore required DG to OPERABLE status.	 12 hours 12 hours
E. Two required DGs inoperable.	E.1 Restore one required DG to OPERABLE status.	2 hours <u>OR</u> 24 hours if Division 3 DG is inoperable
F. Required Action and Associated Completion Time of Condition A, B, C, D, or E not met.	F.1 Be in MODE 3. <u>AND</u> F.2 Be in MODE 4.	12 hours 36 hours
G. Three or more required AC sources inoperable.	G.1 Enter LCO 3.0.3.	Immediately

AC Sources—Operating
3.8.1SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.8.1.1 Verify correct breaker alignment and indicated power availability for each offsite circuit.	7 days
SR 3.8.1.2 -----NOTES----- 1. All DG starts may be preceded by an engine prelube period and followed by a warmup period prior to loading. 2. A modified DG start involving idling and gradual acceleration to synchronous speed may be used for this SR as recommended by the manufacturer. When modified start procedures are not used, the time, voltage, and frequency tolerances of SR 3.8.1.7 must be met. ----- Verify each required DG starts from standby conditions and achieves steady state: a. Voltage ≥ 3910 V and ≤ 4400 V and frequency ≥ 58.8 Hz and ≤ 61.2 Hz for DG-1 and DG-2; and b. Voltage ≥ 3910 V and ≤ 4400 V and frequency ≥ 58.8 Hz and ≤ 61.2 Hz for DG-3.	31 days

(continued)