

TABLE 3.3.1-2

## REACTOR PROTECTION SYSTEM RESPONSE TIMES

FUNCTIONAL UNIT	RESPONSE TIME (Seconds)
1. Intermediate Range Monitors:	
a. Neutron Flux - High	N.A.
b. Inoperative	N.A.
2. Average Power Range Monitor*:	
a. Neutron Flux - Upscale, Setdown	N.A.
b. Flow Biased Simulated Thermal Power - Upscale	$< 0.09^{**}$ $6 \pm 1$
c. Fixed Neutron Flux - Upscale	$< 0.09$
d. Inoperative	N.A.
3. Reactor Vessel Steam Dome Pressure - High	$< 0.55$
4. Reactor Vessel Water Level - Low, Level 3	$< 1.05$
5. Main Steam Line Isolation Valve - Closure	$< 0.06$
6. Main Steam Line Radiation - High	N.A.
7. Primary Containment Pressure - High	N.A.
8. Scram Discharge Volume Water Level - High	
a. Level Transmitter	N.A.
b. Float Switch	N.A.
9. Turbine Throttle Valve - Closure	$< 0.06$
10. Turbine Governor Valve Fast Closure, Trip Oil Pressure - Low	$< 0.08^{**}$
11. Reactor Mode Switch Shutdown Position	N.A.
12. Manual Scram	N.A.

\*Neutron detectors are exempt from response time testing. Response time shall be measured from the detector output or from the input of the first electronic component in the channel.

\*\*~~Not~~ including simulated thermal power time constant, ~~6 ± 1 seconds.~~

///Measured from start of turbine control valve fast closure.



STATE OF WASHINGTON )  
COUNTY OF BENTON )

Request for Amend to TS  
Subject: Table 3.3.1-2, RPS Response Time

I, G. C. SORENSEN, being duly sworn, subscribe to and say that I am the Manager, Regulatory Programs, for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information and belief the statements made in it are true.

DATE 6 SEPT., 1989

G. C. Sorensen  
G. C. SORENSEN, Manager  
Regulatory Programs

On this day personally appeared before me G. C. SORENSEN to me known to be the individual who executed the foregoing instrument and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

GIVEN under my hand and seal this 6th day of September, 1989.

Theresa Z. Robertson  
Notary Public in and for the  
State of Washington

Residing at Richland, WA

My Commission expires: 7/14/91



