February 8, 2000

Mr. J. V. Parrish
Chief Executive Officer
Energy Northwest
P.O. Box 968 (Mail Drop 1023)
Richland, WA 99352-0968

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) FOR WNP-2 (TAC NO. MA6165)

Dear Mr. Parrish:

By letter dated July 29, 1999, Energy Northwest submitted for NRC staff review, an amendment request to revise License Condition 2.C.(16) of Facility Operating License No. NPF-21. As a result of the review, the NRC staff has determined that additional information is needed to complete the review. The information needed is detailed in the enclosure.

The enclosed request was discussed with Mr. Inserra of your staff on February 1, 2000. A mutually agreeable target date of March 15, 2000, was established for responding to the RAI. If circumstances result in the need to revise the target date, please call me at your earliest opportunity at (301) 415-1424.

Sincerely,

/RA/

Jack Cushing, Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-397

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

POST ACCIDENT NEUTRON FLUX MONITORING LICENSE CONDITION 2.C(16)

WNP-2

DOCKET NO. 50-397

1. In Section 2.2, Accuracy: NEDO Section 5.2.2, you state that due to inaccuracies in the detectors, amplifiers and recorders, the APRMs would slightly exceed the accuracy requirement of +/- 2% of rated thermal power. In addition, you state that the accuracy requirement was clarified by GE Nuclear Energy Department Letter #OG93-1057-13 dated November 24, 1993, and that the accuracy of displays, indicators and signal processing devices used to obtain a main control panel display were not included in the 2% accuracy specified by NEDO-31558-A.

   a. By how much do the APRMs exceed the +/- 2% accuracy?

   b. Was the GE Nuclear Energy Department Letter #OG93-1057-13 reviewed and approved by the NRC staff?

2. In Section 2.8, Power Sources: NEDO Section 5.2.8, of your July 29, 1999, submittal you state that "the WNP-2 NMS and related equipment power supplies are acceptable and in compliance with the NEDO criterion." The NEDO criterion is for an uninterruptable and reliable power source. Note that an uninterruptable power supply is one in which there is no interruption in power.

   Page 5 of the staff's safety evaluation for NEDO 31558-A, "Position on NRC Regulatory Guide 1.97, Revision 3, Requirement for Post Accident Neutron Monitoring System," states that ". . . each licensee should perform a plant specific evaluation to review power distribution to the neutron flux monitoring instrumentation, including recorders." The intent of this review is to verify that neutron flux monitoring instrumentation would not be lost during events by load-shedding logics or similar schemes or that a single power failure would not cause the loss of redundant channels of neutron flux monitoring instrumentation.

   In your plant specific evaluation, you state that your source range monitoring subsystem (SRM) and your intermediate range monitoring subsystem (IRM) drives are powered from the division 2 bus. The APRM/LPRM subsystems, except for the recorders, are powered from the motor generator (MG) sets.

   On a loss of offsite power (LOOP), power is lost to the division 1 and 2 busses and to the MG sets. Power would be restored to the division 1 and 2 busses by the division 1 and 2 diesel generators. However, the power to the APRM/LPRM subsystem would not be restored until the MG set output breakers were manually reset.

   Please explain how losing power to the drives for the SRM and IRM subsystems so that they could not be driven into the core to accurately measure power level and losing power to the APRM/LPRM meets the criterion of an uninterruptable power supply?

Enclosure