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 ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Responds to Generic Ltr 86-04, "Policy Statement on Engineering Expertise on Shift." Util uses degreed personnel from plant technical staff as shirft technical advisors (STAs). Description of STA program encl.

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 TITLE: Operator Requalification Program

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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April 21, 1986
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Docket No. 50-397

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PDR ADOCK 05000397
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Director of Nuclear Reactor Regulation
Attn: E. G. Adensam, Project Director
BWR Project Directorate No. 3
Division of BWR Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

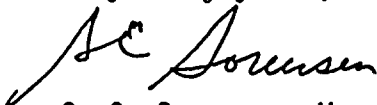
Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21, RESPONSE TO GENERIC
LETTER 86-04 - ENGINEERING EXPERTISE ON SHIFT

Reference: Generic Letter 86-04, H. R. Denton (NRC) to All
Power Reactor Licensees and Applicants for Power
Reactor Licenses, "Policy Statement on Engineering
Expertise on Shift", dated February 13, 1986

In response to the three questions noted in Generic Letter 86-04, 1) the Supply System provides engineering expertise on shift through the use of Option 2. 2) The Supply System does not use an "equivalency" criteria to an engineering degree. The Supply System STAs are degreed personnel from the Plant Technical Staff. A description of the STA program as stated in the WNP-2 Final Safety Analysis Report, Appendix B, Amendment No. 36 is attached. 3) The Supply System does not intend to change this program in the immediate future.

Should you have any further questions please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

PLP/tmh
Attachment

cc: JO Bradfute - NRC
JB Martin - NRC RV
E Revell - BPA
NS Reynolds - BLCP&R
FH Rowsome- NRC
NRC Site Inspector

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WNP-2 Position

In recognition of the "FINAL COMMISSION POLICY STATEMENT ON ENGINEERING EXPERTISE ON SHIFT" (reference SECY-84-355), WNP-2 has adopted a long term commitment to Option 1 as defined in SECY-84-355, which is delineated below.

The present WNP-2 position is to continue with degreed individuals (STAs) from the Technical Department on shift and available within ten minutes to the Shift Manager whenever the plant is in operational modes 1, 2, or 3; as required in the WNP-2 Technical Specifications. Any change to that position will be subject to current regulatory posture and WNP-2 management direction.

Detailed procedures are in place which define the STAs role and responsibilities during normal operation and during emergencies. These procedures reflect in detail the basic requirements to provide engineering support and accident assessment expertise on shift. The WNP-2 STA qualifications and training program meets and in some areas exceeds the recommendations defined in the INPO document titled; "Nuclear Power Plant Shift Technical Advisor Recommendations for Position, Description, Qualifications, Education and Training".

The initial STA training program consists of three phases of training:

- o Phase 1 - Simulator Certification
- o Phase 2 - Transient and Accident Response for STA's
- o Phase 3 - Job Specific Training for Shift Engineers

It should be noted that at WNP-2, the STA duties are a function of the "Shift Engineers" job. The Shift Engineer (SE) is a representative of the Plant Technical Department and provides, in addition to the STA function, 24 hour engineering support to operations in pursuit of the fundamental plant goals of safe, efficient plant operation. He reports to the Shift Manager while on shift.

The Phase 1 training provides a solid background in plant system and operations knowledge. Phase 2 training provides the expertise required to perform the accident assessment duties. Phase 3 provides specific technical training required to perform the day to day functions such as reactor engineering, computer operation and performance of surveillance procedures.

The STA regualification training program consists of the following:

- A. Classroom Training in the following areas as necessary, depending on the individual needs.*
 - 1. Systems and Procedures
 - 2. Theory and Principles of Reactor Operation
 - 3. Heat Transfer, Fluid Flow, and Thermodynamics
 - 4. Radiation Control and Safety
 - 5. Technical Specifications and Licensing Requirements
 - 6. BWR Chemistry Considerations
 - 7. Use of Job Related Procedures
 - 8. Emergency Plan Training per PPM 13.14.7
 - 9. Accident Analysis and Emergency Operation Procedures
 - 10. Other Job Related Topics as Defined by the Reactor Engineering Supervisor

*Note: In some cases, the resident expert in a given subject is one of the STAs and hence may be the instructor, not the student.

- B. Shift Engineer Training in the following areas:
 - 1. Use of Computer Systems
 - 2. Use of the Process Computer

3. Station Nuclear Engineering Functions
 4. Use of Selected Job Related Procedures
 5. Performance of Selected Job Related Activities
- C. Operational knowledge is enhanced by reading the following material:
1. Monthly Operational Bulletins
 2. Licensee Event Reports
 3. Plant Procedure Revisions
 4. Technical Department Information Memos
- D. Simulator Training is provided using a team concept where the STA performs his functions during a simulated event with Operations personnel.

The STA Training Program is scheduled for review by the INPO Accreditation Board in April, 1986.