

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8611250282 DOC. DATE: 86/11/20 NOTARIZED: NO DOCKET #  
 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH. NAME AUTHOR AFFILIATION  
 SORENSEN, G. C. Washington Public Power Supply System  
 RECIP. NAME RECIPIENT AFFILIATION  
 ADENSAM, E. G. BWR Project Directorate 2

SUBJECT: Responds to NRC request for addl info in support of  
 application for amend to Tech Specs deleting chlorine  
 detection equipment. Shipment route & frequency for chlorine  
 inventory discussed.

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1. The first part of the report is a general statement of the purpose and scope of the study. It is followed by a brief review of the literature on the subject. The third part of the report is a description of the methods used in the study. The fourth part is a presentation of the results of the study. The fifth part is a discussion of the results and their implications. The sixth part is a conclusion. The seventh part is a list of references. The eighth part is an appendix. The ninth part is a glossary. The tenth part is an index.

2. The second part of the report is a detailed description of the methods used in the study. It includes a description of the subjects, the instruments used, and the procedures followed. It also includes a description of the data collection and analysis methods.

3. The third part of the report is a presentation of the results of the study. It includes a description of the data and a presentation of the results in the form of tables and graphs. It also includes a discussion of the results and their implications.

TABLE 1		TABLE 2		TABLE 3		TABLE 4	
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## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

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PDR ADDCK 05000397  
P PDR

November 20, 1986  
G02-86-1036

Docket No. 50-397

Director of Nuclear Reactor Regulation  
Attn: Ms. E. G. Adensam, Project Director  
BWR Project Directorate No. 2  
Division of BWR Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Ms. Adensam:

Subject: NUCLEAR PLANT NO. 2  
REQUEST FOR ADDITIONAL INFORMATION  
ON AMENDMENT TO TECHNICAL SPECIFICATIONS;  
DELETION OF CHLORINE DETECTION SYSTEM

Reference: Letter, G02-86-322, GC Sorensen (SS) to EG Adensam  
(NRC), same subject, dated April 8, 1986

To complete its review of the subject Technical Specification amendment, your staff has requested additional information on the storage and movement of chlorine in the vicinity of WNP-2.

Gaseous chlorine is used at several Department of Energy (DOE) facilities on the Hanford Site. The primary destination (and primary user) from which chlorine is distributed to other facilities is the 100-N Area located 18 miles NW of WNP-2. Prior to July 1983, chlorine was transported to 100-N on flatbed rail cars each loaded with 15 1-ton cylinders. Shipment frequency was one carload every 4-6 months. At its closest approach, the railroad is about 750 ft. from the Control Room air intake (and about 90 ft. lower) on the east side of the Plant. Since mid-1983, chlorine has been transported to 100-N by truck and trailer in the same quantities and frequencies. Two or three times per year a single full cylinder is trucked from 100-N to the 300 Area located 7.5 miles SSE of WNP-2. The

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E. G. Adensam

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November 20, 1986


REQUEST FOR ADDITIONAL INFORMATION ON AMENDMENT TO TS  
DELETION OF CHLORINE DETECTION SYSTEM

truck route is a four-lane road located 1.5 miles to the SW. In the future, shipments to 100-N could be either by truck or rail. Based on the DOE purchase agreement and anticipated usage, the upper bound on chlorine shipments in the vicinity of WNP-2 appears to be as follows: northbound - 15 1-ton cylinders four times per year (truck or rail); southbound - a 1-ton cylinder four times per year (by truck). As noted in the referenced letter, these frequencies are below the thresholds established in Regulatory Guide 1.78.

Neither the DOE's Fast Flux Test Facility (located 2.7 miles SSW of WNP-2) nor the Supply System's deferred WNP-1 project (located one mile ESE of WNP-2) has any inventory of gaseous chlorine.

We trust this provides the information needed to complete the review. If additional assistance is needed, please contact Mr. P.L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

  
G. C. Sorensen, Manager  
Regulatory Programs

JPC/bk

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



November 26, 1986

DOCKET NO(S). 50-397

Mr. G. C. Soerenson, Manager  
Washington Public Power Supply System  
P.O. Box 968  
3000 George Washington Way  
Richland, Washington 99352

DISTRIBUTION:  
Docket No. 50-397  
BWD-3 r/f  
JBradfute  
EHylton (2)

SUBJECT:  
WNP-2

The following documents concerning our review of the subject facility are transmitted for your information.

- ☐ Notice of Receipt of Application, dated \_\_\_\_\_.
- ☐ Draft/Final Environmental Statment, dated \_\_\_\_\_.
- ☐ Notice of Availability of Draft/Final Environmental Statement, dated \_\_\_\_\_.
- ☐ Safety Evaluation Report, or Supplement No. \_\_\_\_\_, dated \_\_\_\_\_.
- ☐ Notice of Hearing on Application for Construction Permit, dated \_\_\_\_\_.
- ☐ Notice of Consideration of Issuance of Facility Operating License, dated \_\_\_\_\_.
- ☒ ~~Monthly Notice~~ <sup>BBB- weekly notice:</sup> Applications and Amendments to Operating Licenses Involving no Significant Hazards Considerations, dated 11/19/86. ( see pages) 41871 and 41877,  
41878
- ☐ Application and Safety Analysis Report, Volume \_\_\_\_\_.
- ☐ Amendment No. \_\_\_\_\_ to Application/SAR dated \_\_\_\_\_.
- ☐ Construction Permit No. CPPR- \_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Facility Operating License No. \_\_\_\_\_, Amendment No. \_\_\_\_\_, dated \_\_\_\_\_.
- ☐ Order Extending Construction Completion Date, dated \_\_\_\_\_.
- ☐ Other (Specify) \_\_\_\_\_

Office of Nuclear Reactor Regulation

Enclosures:  
As stated

cc: See next page

OFFICE >	LA: BWD-3: DBL						
SURNAME >	EHylton/vag						
DATE >	11/26/86						

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Mr. G. C. Sorensen, Manager  
Washington Public Power Supply System

WPPSS Nuclear Project No. 2  
(WNP-2)

cc:

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