

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards change to FSAR Chapter 11.4 Section 11.4 sys  
 description of portable solid radwaste solidification sys,  
 per NRC telcon request. Final submittal will be included in  
 next FSAR amend.

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## Washington Public Power Supply System

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November 3, 1983  
G02-83-1012

Docket No. 50-397

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2  
SOLID WASTE MANAGEMENT SYSTEM  
FSAR CHAPTER 11, SECTION 11.4

Reference: Letter, G02-83-907, G. C. Sorensen (SS) to A.  
Schwencer (NRC), same subject, dated October 11, 1983

The reference letter transmitted the FSAR Section 11.4 system description of the Portable Solid Radioactive Waste Solidification System. A telephone request by C. Miller (NRC) was made to clarify a statement in the text of FSAR Section 11.4.2. Attached is a copy of the change. Final submittal of this change will be made in the next amendment of the FSAR.

If there are any questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Acting Manager  
Nuclear Safety and Regulatory Programs

BDP/tmh  
Attachment

cc: R Auluck - NRC  
WS Chin - BPA  
AD Toth - NRC Site

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8311090046 831103  
PDR ADOCK 05000397  
A PDR



## 11.4.2 SYSTEM DESCRIPTION

The system description which follows concerns the permanent WNP-2 Solid Waste Management System. The equipment for this system is presently being stored at the site and installation is scheduled for sometime after commercial operations. In the interim period, from fuel load until the permanent system is installed, a mobile solid waste management system will be utilized by WNP-2.

The mobile solid waste management system will be supplied and operated by Chem-Nuclear Systems Inc. (CNSI) per the requirements of their NRC approved topical report CNSI-2 (4313-01354-01P-A) Revision 2. This topical report was approved by the NRC on April 11, 1983, and WNP-2 will utilize the system as described in the report without deviation. The types and quantities of waste to be processed will be the same as described below. It is anticipated that CNSI Type 6-80 and 14-195H shipping casks and associated liners will be utilized.

System operation will be closely monitored by Supply System personnel. The vendor will be required to submit for review and approval a Process Control Program which interfaces with and meets the intent of the program described in section 11.4.3.

Temporary piping connecting the WNP-2 plant radwaste subsystems is shown on Figures 11.4-1a and 11.4-1b. The temporary piping is installed per Regulatory Guide 1.143 requirements.

The mobile system will be set on a curbed concrete pad adjacent to the Radwaste Building as shown in Figure 11.4-2. The curbed pad and sump are sufficiently sized to contain a spill from a full liner. Should such a spill occur the contaminated liquid will flow into the sump, which is isolated. The contents of the sump can then be pumped back to the radwaste system for processing using a portable sump pump connected to the mobile system plant return line. The sump contains an isolation valve which, by administrative procedure, is closed any time the mobile system is processing radioactive waste. All the radioactive mobile system vents are routed back to the radwaste building HVAC system where they can be filtered and monitored. Accident analysis for the liner spill can be found in the CNSI topical report.

Use of the mobile solidification system means that the systems described in sections 11.4.2.6 and 11.4.2.7 for disposal of concentrated wastes and resin slurries are bypassed, as

