



Department of Energy

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FEB 05 1992

92-RPB-020

Mr. David B. Jansen
Hanford Project Manager
State of Washington
Department of Ecology
Mail Stop PV-11
Olympia, Washington 98405-8711

Mr. George B. Schlender, Director
Larger Onsite Sewage Systems
State of Washington
Department of Health
West 924 Sinto
Spokane, Washington 99201



Dear Messrs. Jansen and Schlender:

PRELIMINARY REPORT FOR PROJECT 142ND, "200 WEST FILESERVER/TELECOMMUNICATION FACILITY" PURSUANT TO THE WASHINGTON ADMINISTRATIVE CODE 246-272, ONSITE SEWAGE SYSTEMS

This letter transmits the preliminary report required to modify an existing septic disposal system to serve the telecommunications mobile office in the 200 West Area of the Hanford Site. This documentation is being submitted for review by the State of Washington Department of Ecology (Ecology) and the State of Washington Department of Health (DOH) pursuant to the Washington Administrative Code (WAC) 246-272-080, Larger Onsite Sewage Systems.

The mobile office will be connected to an existing septic disposal system, 2607W2. Septic system 2607W2 has a maximum design flow of 4,375 gallons per day. The current flow of 616 gallons per day services 28 people. Adding an additional mobile office will not overload the existing septic system because the projected flow after modification is 880 gallons per day.

The enclosed preliminary report describes the scope and nature of Project 142ND as well as responses to factors outlined by WAC 246-272-080, Larger Onsite Sewage Systems. Following regulatory review of the preliminary report, a site test pit inspection will be scheduled with Ecology and the DOH. The soil and site evaluation will be performed concurrently with the site test pit inspection.



Messrs. Jansen and Schlender
92-RPB-020

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If you have any questions, please contact me or Mr. S. D. Stites of my staff on (509) 376-8566.

Sincerely,

Original Signed by
R.D. Izatt

R. D. Izatt, Program Manager
Office of Environmental Assurance
Permits & Policy

Enclosure

cc w/encls:
R. E. Lerch, WHC
R. W. Oldham, WHC

bcc:
EAP RDG FILE
CCC RDG FILE
RPB RDG FILE
S. D. STITES, W/ENCL

Record Note: This document transmits to the Washington State Departments of Ecology and Health a preliminary report for project 142ND, "200 West Fileserver/Telecommunication Facility" pursuant to the WAC 246-272, Onsite Sewage Systems. This report is required to modify an existing septic disposal system which serves the telecommunications mobile office in the 200 West Area of the Hanford Site. The mobile office will be connected to an existing septic disposal system, 2607W2. This closes out Action Number 9226 of Letter Number I92-RPB-037. File Index Number 40.3.1.

OFFICE >	EAP	EAP <i>SER</i>	PMD	OCC <i>W</i>	SID <i>W</i>	EAP <i>W</i>
SURNAME >	STJTES <i>W</i>	RASMUSSEN	WILLIAMS	CARDEN <i>W</i>	HIGHLAND	IZATT <i>W</i>
DATE >	1/29/92 <i>W</i>	1/30/92		1/30	FEB	

(Please Return To Dianna Schafer, A5-22, 6-5441)



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PRELIMINARY REPORT FOR PROJECT 142ND
200 WEST FILESERVER/TELECOMMUNICATION FACILITY

1.0 INTRODUCTION

This is the preliminary report for Project 142ND, "200 West Fileserver/ Telecommunication Facility." This report is being submitted to the State of Washington Department of Ecology (Ecology) and to the State of Washington Department of Health (DOH), pursuant to Washington Administrative Code (WAC) 246-272-080, Larger Onsite Sewage Systems.

A mobile office will be leased and/or purchased to serve as the telecommunication facility in the 200 West Area of the Hanford Site. This office will be connected to an existing septic disposal system, 2607W2. Septic system 2607W2 is designed for a maximum flow of 4,375 gallons per day. Pursuant to WAC 246-272-010, this septic system is under the jurisdiction of the DOH.

Project 142ND is exempt from the State Environmental Policy Act pursuant to WAC 197-11-845, "Department of Social and Health Services." The exemption under WAC 197-11-845 was adopted by reference under WAC 146-03-020, "Adoption by Reference."

This preliminary report addresses each of the factors in WAC 246-272-080.

2.0 SCOPE AND NATURE

Project 142ND proposes to allow a double-wide mobile office to tie into an existing septic system by modifying septic tank 2607W2. Septic tank 2607W2 is located in the 200 West Area of the Hanford Site near the 2709W office building and the east entrance to the 200 West Area.

The telecommunication mobile office will house the staff for an information resource management organization. This organization will provide the data hub and Hanford Local Area Network (HLAN) for the 200 West Area of the Hanford Site. The staff will consist of 6 people.

The existing septic system was designed in 1943 for 125 personnel with a flow rate of 4,375 gallons per day and 8 linear feet of drainfield per person. The drainfield trenches are 2 feet wide. The maximum design flow and drainfield area are well within the state's limits for receipt of sanitary waste water. This system is adequate for a maximum of 207 personnel, but currently services only 28 people. The current flow to the system is 616 gallons per day. The projected flow after modification of 880 gallons per day will not overload the existing septic system.

3.0 SOIL AND SITE EVALUATION

The soil and site evaluation will be performed concurrently with the site and test pit inspection. The site and test pit inspection will be scheduled with Ecology and the DOH upon review of this document.

4.0 SCHEDULE FOR PHASE DEVELOPMENT

The septic disposal system for project 142ND will be constructed in a single stage such that phasing will not be required for completion.

5.0 WATER BALANCE ANALYSIS OF THE DRAINFIELD AREA

A water balance analysis accounts for the additional liquid introduced to the soil column as a result of installation of the proposed system. A water balance analysis incorporates factors such as rainfall, runoff, and depth to the water table. Pursuant to WAC 246-272-210, "Waiver of State Regulations," the DOH has waived the requirement to conduct a water balance analysis.

6.0 OVERALL EFFECTS OF THE PROPOSED SEWAGE SYSTEM

The overall effects of the proposed larger onsite sewage system on the surrounding area are interpreted to mean the effects of operation on the proposed site. The risk to the public health is expected to be insignificant as a result of the operation of the septic disposal system due to the remote location of the 200 Area Plateau of the Hanford Site and also to the effective treatment provided by the leach bed and soil column.

7.0 LOCAL ZONING, PLATTING, AND BUILDING REQUIREMENTS

The Hanford Site is zoned by Benton County as an Unclassified Use District. The 1985 Benton County Comprehensive Land Use Plan designates the Hanford Site as the "Hanford Reservation." Under this designation, land on the site may be used for "activities nuclear in nature." Non-nuclear activities are authorized "if and when the U.S. Department of Energy (DOE) approval for such activities is obtained." Therefore, no local building requirements are applicable to the Hanford Site. Project 142ND does not conflict with the DOE "Hanford Site Development Plan," (DOE/RL-89-0015).

8.0 SUMMARY

Project 142ND will modify septic disposal system 2607W2 to serve the telecommunication mobile office in the 200 West Area of the Hanford Site. This preliminary report is being submitted for review by Ecology and the DOH. Following regulatory review of this report, the site and test pit inspection will be scheduled with Ecology and the DOH. The soil and site evaluation will be performed concurrently with the site and test pit inspection. Sections 4.0, 5.0, and 7.0 of this preliminary report are not applicable to Project 142ND.

9.0 REFERENCE

DOE-RL, 1989, "Hanford Site Development Plan," DOE/RL-89-0015, U.S. Department of Energy, Field Office Richland, Richland, Washington.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
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Subject: PRELIMINARY REPORT FOR PROJECT 142ND, "200 WEST FILESERVER/
TELECOMMUNICATION FACILITY" PURSUANT TO THE WASHINGTON ADMINISTRATIVE
CODE 246-272, ONSITE SEWAGE SYSTEMS

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