

START



Department of Energy

Richland Field Office

P.O. Box 550

Richland, Washington 99352

Incoming: 9207227

0025416

93-RPB-063

DEC 16 1992

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

Dear Mr. Schlender:

ENGINEERING CHANGE NOTICE FOR PROJECT ER2567 "GROUT PROCESSING FACILITY
SANITARY WASTEWATER UPGRADES"

This letter transmits an Engineering Change Notice (ECN) pertaining to the above referenced project (Enclosure 1). The U.S. Department of Energy, Richland Field Office (RL), received a letter (Enclosure 2) dated September 22, 1992, from Lisa Brown of your staff, outlining several items needing attention.

The ECN documents the resolution of Items 1.a, 3.b, and 3.c of the enclosed letter. Items 1.b, 2, and 3.a of the enclosed letter were resolved with no action necessary as a result of a telephone conference between RL, DOH, and the Westinghouse Hanford Company on October 1, 1992.

Project ER2567 will support three new mobile offices to be installed at the Grout Processing Facility. The modified septic disposal system will consist of two 1,000 gallon septic tanks, a 1,701 square foot drainfield, and an alternating dose gravity system. The projected flow after modification is approximately 1,100 gallons per day.



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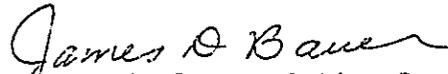
Mr. Schlender
93-RPB-063

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Should you have any questions regarding this transmittal, please contact me or Ms. A. L. Rodriguez of my staff on (509) 372-0277.

Sincerely,



James D. Bauer, Acting Program Manager
Office of Environmental Assurance,
Permits, and Policy

EAP:ALR

Enclosures:

1. Engineering Change Notice
2. DOH letter

cc w/encs: J. L. Hensley, Ecology

cc w/o encs: G. W. Jackson, WHC
D. B. Jansen, Ecology
R. W. Oldham, WHC

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STATE OF WASHINGTON
DEPARTMENT OF HEALTH

West 924 Sinto Avenue • Spokane, Washington 99201-2595 • FAX (509) 456-2997

September 22, 1992

ATTN: A.L. Rodriguez
U.S. Department of Energy
Environmental Restoration Division
Richland Field Office, M.S. A5-19
Richland, WA 99352

RE: Final Engineering Report, Plans and Specifications, Project
ER2567 "Grout Processing Facility" On-Site Wastewater Disposal
System

Dear Ms. Rodriguez:

The engineering report, plans and specifications for the above
referenced project received in this office 8/26/92 have been
reviewed. The following comments need to be addressed:

1) Referring to Specification 02740 "Septic Systems":

a) Section 2.1.5 "Geotextile Fabrics" may
weigh 4 oz/sq yd or less

b) Section 2.2.5.2 "Effluent Pump";
electrical equipment shall meet Dept. of
Labor and Industries electrical requirements.
This applies to Specification 16400 "Service
and Distribution" where applicable.

2) Referring to the calculations: it appears that the
drainfield was sized using a daily design flow of 1068
gallons per day. An acceptable loading rate of .60
gal/sf/day equates to a required square footage of
trench area of 1780 square feet. Seven (7) trenches,
eighty one (81) feet in length, three (3) feet wide
were provided which is only 1701 square feet. If 1100
gallons per day is the design flow the system is to be
approved for then the required square footage of
drainfield area required will be 1833. Please adjust
the site plan to reflect the adjusted lengths.

3) Referring to Drawing H-2-140591 Rev. 0:

a) Site Plan; please provide the location of
the test hole on the site plan.

Ms. A.L. Rodriguez

9/22/92

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b) Site Plan; invert elevations of the drainfield lines, transport lines, etc. were not shown on the plan. With the header manifold system proposed in lieu of a distribution box, it is important that all the trenches are at the same elevation and I feel this should be shown on the plan.

c) Section "B": Please verify the actual configuration of the existing wall separating the pump chamber from the septic tank. The wall should extend almost to the roof of the septic tank rather than as shown on the plan. Additionally, crossover pipes as shown are not acceptable. The use of crossover pipes to provide the required dose installed as shown on the plan would draw effluent from the "clear" zone in the septic tank drawing the level in the septic tank down. Please verify volume of the "pump chamber" portion of the existing tank is large enough to handle the dose volume with some storage capacity.

Please submit revised plans, specifications and an engineering report for my approval after the above comments have been addressed.

Sincerely,



Lisa Brown, Environmental Engineer
Larger On-Site Systems
(509) 456-2754

cc: DOE Nuclear Waste, Dave Jansen
DOE, Nuclear and Mixed Waste Management, Jerry Hensley
Westinghouse Hanford, Rick Oldham
Kaiser Engineers Hanford, Charles Mortimer
Benton-Franklin County Health District
State Health

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author: J. D. Bauer, RL
(K. A. Giese, WHC)

Addressee: G. B. Schlender, DOH

Correspondence No.: Incoming:9207227
XRef:9258961D

Subject: ENGINEERING CHANGE NOTICE FOR PROJECT ER-2567 "GROUT PROCESSING FACILITY SANITARY WASTEWATER UPGRADES"

INTERNAL DISTRIBUTION

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		L. P. Diediker	T1-30	
		C. K. DiSibio	B3-15	
		K. A. Giese	H6-25	
		G. W. Jackson, Assignee	H6-20	
		R. J. Landon	H6-22	
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		J. E. Van Beek	R3-27	
		EDMC	H6-08	
		Project Files	R1-28	
		KAG/FILE/LB	H6-25	

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