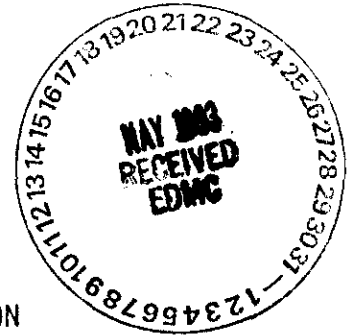


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DEC 13 1990

Mr. Timothy L. Nord
Hanford Project Manager
State of Washington
Department of Ecology
MS PV-11
Olympia, WA 98504-8711



UNDERGROUND STORAGE TANK 703-1 REMOVAL AND SITE REMEDIATION

The U.S. Department of Energy, Richland Operations Office (DOE-RL) was informed by your letter dated September 26, 1990, addressed to Messrs. R. D. Izatt of DOE-RL and R. E. Lerch of the Westinghouse Hanford Company (WHC), that the 703-1 Underground Storage Tank (UST) remediation issue was closed to the Washington State Department of Ecology's (Ecology) satisfaction. However, Ecology is concerned with the levels of chlordane that were found in and around the site of UST 703-1.

The September 26, 1990, letter further requested DOE-RL to provide Ecology with information concerning chlordane usage in the vicinity of UST 703-1. In response to this request, WHC conducted a survey regarding the use of chlordane. This included a search of records at DOE-RL, General Electric Headquarters, and the offices of the prime construction contractors on site during the early 1950's. The search also involved discussions with former Hanford workers who were on site during that time. As a result of the investigation, it was discovered that no records are available documenting the usage of chlordane. It is known, however, that chlordane was widely used during building construction for termite control during that time period.

Prior to transmittal of our response, a meeting with Mr. Dan Willey of your staff was held to inform him of this finding and to arrive at a consensus on what is required to meet Ecology's request. At this meeting, Mr. Willey verbally requested that DOE-RL conduct additional sampling to better define the extent of the chlordane contamination.

After further consideration we have decided not to initiate any additional sampling at this time, based on the following:

1. There are no wells in the immediate area that would be a pathway to humans;
2. The chlordane was found at a depth where there is no probable pathway to humans via the soil; and
3. No organic solvents are present which could act as a driving force (chlordane is soluble in some organics).

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Timothy Nord

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Although we do recognize that from a "good neighbor" standpoint it may be desirous to take additional soil and groundwater samples, DOE-RL feels that this is something that would not have to be initiated immediately. It is our intent to defer further response to the chlordane issue at the site of 703-1 UST. If, at a later date, the State elects to revisit this issue under pesticide control regulations or other relevant governing regulations, DOE-RL would then evaluate the issue based on the approved State program. In addition, DOE-RL will maintain a "base line" file on this issue and take it into consideration if additional work, excavations, etc., are conducted in the vicinity of the site.

If you have any questions or require additional information regarding this matter, please contact Mr. Randy W. Small on (509) 376-7237.

Sincerely,

ORIGINAL SIGNED BY

Nadine M. Highland, Director
Site Management Division

SMD:RWS

bcc: SMD OFF FILE
SMD RDG FILE (2)
ERD RDG FILE

CHLOR1



12S 1699RL

OFFICE >	SMD	SMD <i>JRP</i>	SMD <i>H</i>	ERD <i>W</i>	SMD	
SURNAME >	SMALL <i>RWS</i>	PLAHUTA	HITT	IZATT <i>12/10/90</i>	HIGHLAND	
DATE >	11/30/90		12/3/90	<i>12/13/90</i>	DEC 13 1990	

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