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# Los Alamos

Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

## memorandum

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TO: Wayne R. Hansen, HSE Associate Division Leader, MS P228  
 THRU: Thomas C. Gunderson, HSE-8 Group Leader, MS K490  
 FROM: A. John Ahlquist, HSE-8  
 SUBJECT: TANK FARM - UPDATE

DATE: April 22, 1985  
 MAIL STOP/TELEPHONE: K490/7-0807  
 SYMBOL: HSE8-85-410

Additional research has shown that only 3 of the 15 fuel tanks at the DP Tank Farm have been used for gasoline. The other 12 have been used for diesel fuel or kerosene (see Figure 1). We would have no problems with removal of the diesel fuel and kerosene tanks as long as the industrial hygiene precautions mentioned in my memo of December 12, 1985 (HSE8-84-1107) are followed. Small amounts of soil contaminated with diesel fuel or kerosene could be mixed or plowed into the ground on-site. We would want to be informed about major diesel or kerosene leaks. Disposition of contaminated soil caused by major leaks would be considered on a case-by-case basis.

The gasoline tanks should be removed and cleaned by Zia to avoid problems with sludge that would probably be considered to be hazardous waste under the Resource Conservation and Recovery Act (RCRA) (see my memo HSE8-85-247 dated March 14, 1985). We would want to evaluate all leaks from the gasoline tanks, because lead would probably have been in any leaked liquids from the gasoline tanks. According to 40CFR61.24 (Characteristics of EP Toxicity), soil contaminated with lead in excess of 5 mg/l (as determined by the EP toxicity method) is a hazardous waste.

We have also taken several core samples of the fuel-soaked soil in the two loading dock areas to see if the spilled diesel fuel may have driven lead from spilled gasoline to lower depths. (Surface samples had no measureable lead.) Results are pending.

A phoswich survey of the site was taken April 19, 1985. No radioactivity above background was detected.

AJA:mm

- Cy: M. McCorkle, HSE-8, MS E518
- J. White, HSE-8, MS E518
- D. Van Etten, HSE-8, MS K490
- L. Fritz, HSE-8, MS K490

Received by ER-RPF  
 APR 18 1987  
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