

START



CENPW-EN-EE (200-1/1100)

15 February 1993

MEMORANDUM FOR Record

SUBJECT: Report of Limited Field Investigation at 1100-EM-3, 3000 Area, October 1992

1. Met with Brian Dixon, Kaiser Engineers Environmental Manager. Discussed site history spills and waste management areas. Reviewed spill logs, underground storage tanks (UST) records and old drawings.

a. Spill Logs: Spill logs did not show a history of abuse or mismanagement. Spills that were recorded were fairly recent, 1986 to present. Brian didn't know of any old spill areas that existed or needed to be cleaned up. The J.A. Jones yard may have had spills, however, these were cleaned up and disposed off-site. It was estimated that 6" to 12" (1,800 cubic feet) of soil was removed and disposed of off-site. The site was then covered with 1 foot of clean gravel.

b. UST Records: Records on twelve UST's were obtained and attached.

c. Old Drawings: A J.A. Jones' drawing held by Kaiser Facilities (Grant Brazil) indicated two oil storage tanks that were unknown. Old Camp Hanford drawings were sent to Michele Gerber, Westinghouse Hanford Corporation.

2. Inspected 3000 Area with Brian Dixon. Comments are as follows:

- 1262 Transformer Pad: This pad appears to have held transformers during Camp Hanford times. Should be sampled.

- 1208 Haz Waste Stageing Area: This is a satellite accumulation point. It is managed under RCRA - no problems noted. Note some spills occurred here and were cleaned up to background levels according to spill log.

- 1208 Sandblast Area: Large area with sandblast sand and residual paint/metal chips. Operations area is very limited compared to piles of blast sand. Some sands have migrated into adjacent city of Richland property (reservoir ponds). Previous analyses of sand very close to 5 parts per million (ppm) total. CERCLA/RCRA operation.

- 1208/1262: Areas between 1208/1262 was being excavated. Various pipe (8 inch concrete) was cut through during excavation. Assumed to be old drainage pipe from Camp Hanford.

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• 1240 Building: Looked at compressor oil spill area. Area looked cleaned up. Copied map showing spill locations. Spill log indicated PCB's less than 2 ppm.

• 1240 Suspect Spill Area: Found area on south end of 1240 building that appeared to be old waste/spill area. No spill record was found. Talked to shop foreman who had no recollection of spill. Most personnel who worked here when this may have occurred no longer work here. Appears to be a pliable adhesive along with metals from floor sweep over the years.

• 1240 HazWaste Staging Area: Noted two drums non-regulated waste on pad. Concerned with two drains in concrete pad. This pad has been used to store wastes and solvents in the past.

• 1240 French Drain, West Side by loading Dock, North of Electrical Shop: No evidence of spills into drain; no evidence that drain goes into sewer. Discharges into soil, per foreman. Removes rainwater from unloading pad. PCB satellite collection area close to drain.

• 1226 HWSA: This is a RCRA satellite area that is well managed. The area had a drain that went into the city of Richland sewer system. The drain and drain pad is an engine and truck wash operation area. Suggested that waste collection drums be moved off of drainage pad or placed in secondary containment. No problems observed.

• J.A. Jones Waste Staging Area: Area looked clean. Need to obtain cleanup documentation.

• Used Oil Tank: Tank looks like a 500 gallon UST. Tank is managed under the UST program and is scheduled for testing and leak detection in December 1993. It is also under temporary closure for removal.

• 1212 Bldg: Looked at abandoned bottle dock. No evidence of leaks/spills.

• 3000 Area, SW Corner: A large pile with metal debris in it was observed. Knowledge of piles origin was unknown. No evidence of spills or leaks. Looks to be a dirt mound from unknown source or storage of dirt for some unknown reason. It has attracted metal debris due to location.

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• 1154 Trailer South: South of this trailer are foundations of old buildings with various holes and piping in pad/foundations. Need to find out what activities took place here.

• 1154 North: West of 1234 and North of 1154 are more old foundations and a round drain, 20" in diameter.

• 1234 and High Level Waste Slurry Treatment and Storage Area: Area was secured. Could not investigate storage area. High level waste slurry treatment and storage area is a RCRA site. Should not be considered. 1234 needs data on any spills and cleanup non-compliance leaks onto soil and pallets - need cleanup verification.

• 1235 KEH Less-than-90-Day Storage Area: Looks good. RCRA managed.

• Unplanned release of mixed waste went into city sewer, 1973. No evidence in record of existing contamination. Not a site of consideration.

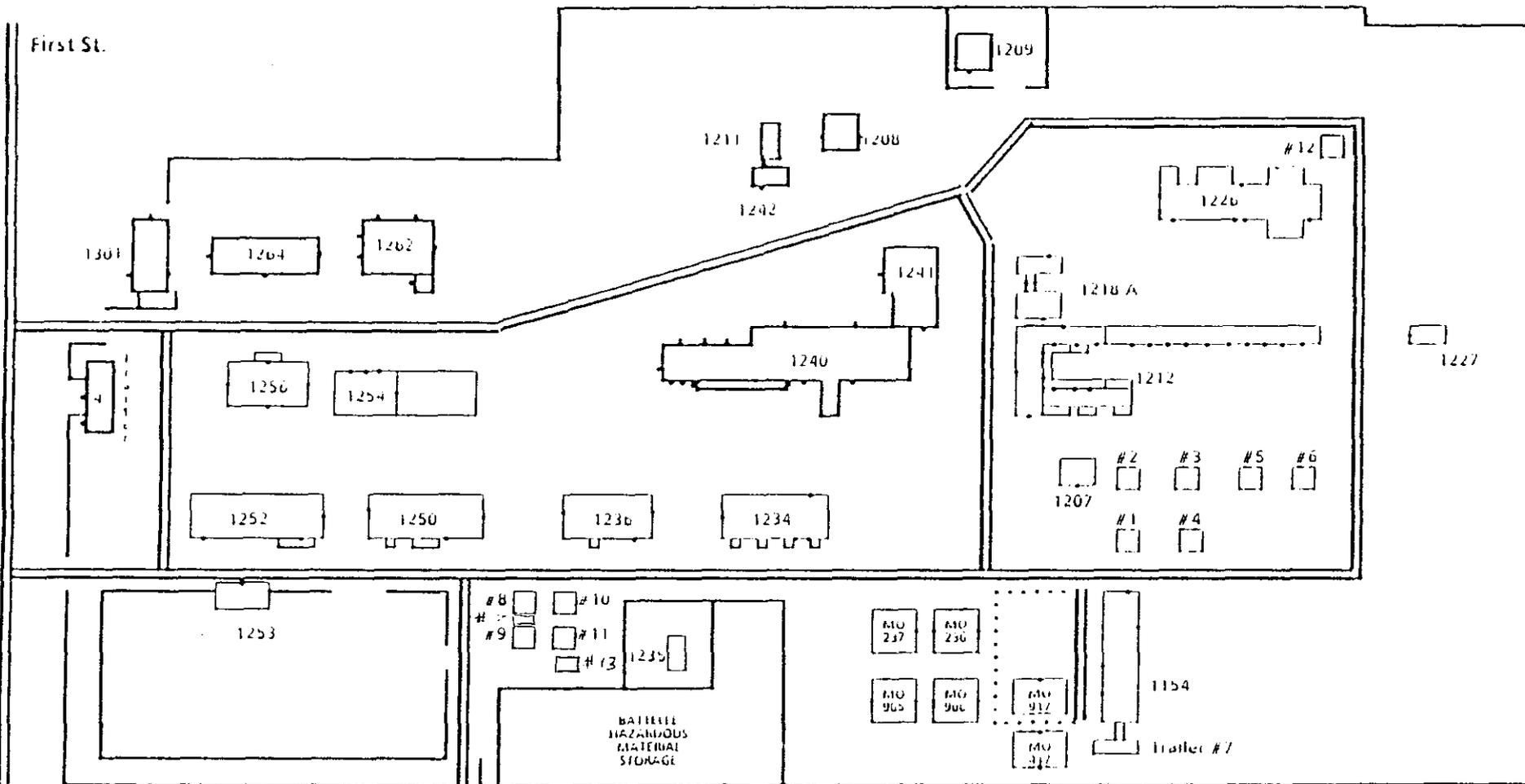
• Inspected removal sites of UST# 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 13. No evidence of spills or contamination visible. Obtained cleanup records; looked at picture of removal tanks #13 and #7. Brian Dixon saw the removal of the tanks.

• Brian indicated that Art McDaniel had worked for many years at the 3000 area and would be a good source to interview for waste activities and past releases.

DEE W. LLOYD

LLOYD/kew
OATES/EN-EE
LIIAS/EN-EE
EN

1011910106



LEGEND

- #1 IN USE UNLEADED - 15,000 GAL
- #2 IN USE DIESEL - 15,000 GAL
(USED FOR UNLEADED GASOLINE IN PAST)
- #3 IN USE REGULAR - 15,000 GAL
- #4 IN USE REGULAR - 15,000 GAL
- #5 EMPTY DIESEL - 10,000 GAL
- #6 EMPTY DIESEL - 10,000 GAL
- #8 OUT OF USE LEADED
- #9 OUT OF USE LEADED
- #10 OUT OF USE LEADED
- #11 OUT OF USE DIESEL
- #12 WASTE OIL - 500 GAL

KAISER ENGINEERS HANFORD

3000 Area Map

Project L-044

Inventory of Tanks to be Removed

Tank #	Size	Service	Mat'l	Year Installed	Design
100 Area					
100-B-1*	10,000g	Diesel	Steel	1969	Bovay
200 West Area					
2713W-21	1,500g	Waste Oil	Steel	1943	KEH
2713W-22	4,000g	Gasoline	FRP	1981	KEH
2713W-23	2,000g	Gasoline(U)	Steel	1976	KEH
2713W-24	4,000g	Diesel	FRP	1981	KEH
200 East Area					
200E-11SF-17	12,000g	Aviation	Steel	1984	KEH
2711E-26*	1,000g	Waste Oil	FRP	1985	Bovay
2713E-19	4,000g	Gasoline(U)	FRP	1981	KEH
2713E-20	2,000g	Diesel	Steel	1976	KEH
2721E-HP-18*	500g	Diesel	Steel	1981	Bovay
300 Area					
382-1	150g	Gasoline	Steel	1943	NA
382-2	150g	Gasoline	Steel	1943	KEH
382-3	150g	Gasoline	Steel	1943	KEH
3621-D*	4,000g	Diesel	?	1971	Bovay
400 Area					
400-FS-40	550g	Gasoline(U)	FRP	1986	KEH
400-FS-41	550g	Diesel	FRP	1986	KEH
600 Area					
251W-1*	1,000g	Diesel	Steel	1980	Bovay
1100 Area					
1171-2	4,000g	Wash residu	FRP	1984	Bovay
1171-3	4,000g	Wash residu	FRP	1984	Bovay
1171-4	1,000g	Waste Oil	Steel	1953	KEH
1171-5*	2,000g	Waste Oil	Steel	1953	Bovay
1171-6	1,500g	Waste Oil	Steel	1953	Bovay
1172-8	15,000g	Gasoline	Steel	1981	Bovay
1172-9*	15,000g	Gasoline(U)	Steel	1981	Bovay
1172-10*	15,000g	Diesel	Steel	1981	Bovay
1172-11	6,000g	Exp. Gas	Steel	1981	Bovay

Leaker removed by WTC

* Denotes tanks to be replaced with another tank.

3000 AREA
3000-12 1,000 Waste Oil

△ This is tank just added to Project

Post-It™ brand fax transmittal memo 7671		# of pages >	
To <i>Dee Lloyd</i>	From <i>John Viita</i>		
Co. <i>Corp. of Eng.</i>	Co.		
Dept.	Phone # <i>376-8505</i>		
Fax # <i>522-6669</i>	Fax #		

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Department of Energy

Richland Operations Office
P.O. Box 550
Richland, Washington 99352

SEP 1989

SEP 1989

Mr. Tom Lufkin
Underground Storage Tank Notification
Solid and Hazardous Waste Program
Washington State Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

Dear Mr. Lufkin:

INFORMATION AND NOTIFICATION FOR UNDERGROUND STORAGE TANKS AT THE HANFORD SITE

Reference: Letter, R. D. Izatt, DOE-RL, to Tom Lufkin, Ecology, same subject, ERD:CRD, dated June 16, 1989.

During the planned closure of Underground Storage Tanks (USTs) at the Hanford Site, two additional tanks were discovered. These tanks designated as 3000-7 and 3000-13 were discovered as the result of additional historic data review, field walkdowns, and ground penetrating radar surveys being done. The permanently out-of-use tanks are located in the Hanford 3000 Area and are adjacent to tank 3000-11 and between tanks 3000-8 and -9, that were previously reported. The tanks appear to contain a type of substance other than petroleum, but cannot be positively identified at this time.

This notice is given in accordance with 40 CFR 280/281 to provide a 30-day advance notice prior to removal. These tanks are planned to be removed the same time as tanks 3000-8, -9, -10, and -11. Site assessment and sampling for the two tanks will be performed as part of each tank closure, and the Washington State Department of Ecology will be notified of any unusual circumstances in accordance with the regulations. When the closures are completed, a revised notification of the remaining USTs will be forwarded to you.

93129751104

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GEF013
DON'T SAY IT — Write It!

DATE: July 27, 1989

TO: BOB EGGE

FROM: RON SHUCK

Telephone: 3 5525

SUBJECT: UST 3000-7 SAMPLING IDENTIFICATION

UST SAMPLE IDENTIFICATION OF TANK 3000-7 AS PRESENTLY IDENTIFIED WAS LABELED AS 3000-12 DURING TANK SAMPLING AS THIS WAS THE NEXT NUMBER ABOVE 3000-11. AS THE TANK WAS LOCATED NEXT TO 3000-11 I MADE THE DECESSION TO DESIGNATE IT AS 3000-12. SUBSEQUENTLY AS TANK 3000-7 WAS A MISSING TANK NUMBER IT WAS NUMBERED AS 3000-7. THIS MEMO IS FOR RECORD PURPOSE ONLY.

MICÉ ROMASO



Westinghouse
Hanford Company

P.O. Box 1970 Richland, WA 99352

February 1, 1991

91509140

Mr. R. D. Izatt, Director
Environmental Restoration Division
U.S. Department of Energy
Richland Operations Office
Richland, Washington 99352

Dear Mr. Izatt:

TWENTY-DAY REPORT FOR UNDERGROUND STORAGE TANKS 3000-1, -2, -3, AND -4 AND THE 1207-A PUMPHOUSE

Attached is the Twenty-Day Report for Underground Storage Tanks (UST) 3000-1, -2, -3, and -4 and the 1207-A pumphouse. It was discovered during their removal on January 10, 1991, that the soil underneath the tanks/pumphouse was contaminated by gasoline. The tanks, located in the 3000 Area of the Hanford Site, were being removed in compliance with Title 40 of the Code of Federal Regulations, Parts 280 and 281, as given in the Westinghouse Hanford Company Implementation Plan, WHC-SP-0472. This report is submitted to satisfy the requirements for reporting UST leaks and spills, and as a follow-up to the verbal notification given to the Washington State Department of Ecology (Ecology) on January 10, 1991, after the pumphouse was removed. Only after all the tanks were removed on January 18 could a complete site assessment be made and the Twenty-Day Report period initiated. It is requested that the report be submitted to Ecology no later than February 7, 1991. A draft transmittal letter is also attached.

If you have questions or require additional information, please contact me on (509) 376-7000, Mr. M. A. Mihalic on (509) 376-0967, or Mr. M. C. Hughes on (509) 376-0787.

Very truly yours,

R. D. Wojtasek, Manager
Environmental Restoration Program
Environmental Division

mag

Attachments 2

DOE-RL - G. M. Bell
R. A. Holton
R. P. Saget
P. A. Pak
R. O. Puthoff (w/o attachments)

KEH - W. H. Bodily

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**KAISER
ENGINEERS
HANFORD**

PATS-W-90-066

KAISER ENGINEERS HANFORD COMPANY
POST OFFICE BOX 888
RICHLAND WASHINGTON 99352

REG NO KAISEEH134BM

April 11, 1990

G. W. Jackson, Manager
Decommissioning and Environment Operations
Westinghouse Hanford Company
P. O. Box 1970
Richland, Washington 99352

Dear Mr. Jackson:

INFORMATION AND NOTIFICATIONS FOR UNDERGROUND STORAGE TANKS AT THE HANFORD SITE

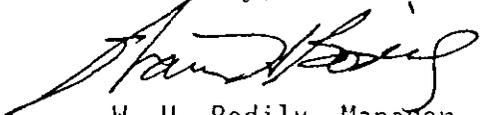
Kaiser Engineers Hanford (KEH) Environmental Compliance staff has reviewed the April 2, 1990 submittal to the U. S. Department of Energy, Richland Operations Office of Underground Storage Tank Notification forms, Notices of Permanent Closure of Underground Storage Tanks, and redlined forms for Advance Notification of 1990 Tank Removals.

Corrections to the Notices of Permanent Closure for the KEH tanks are required. For Tank 3000-8 (Page 13 of 22) it should be indicated that the completed site assessment found no contamination. For tanks 3000-5, 3000-6, 3000-7, 3000-8, 3000-9, 3000-10, and 3000-13 the method of disposal section must be revised; these tanks may be buried at the Central Landfill at Hanford or may be cut up and sold as scrap, but may not be sold for reuse.

Please forward the revised Notices for these tanks to KEH and to DOE-RL prior to April 15, 1990 to assure timely transmittal of the correct forms from DOE-RL to the Washington State Department of Ecology.

If you have any questions, please call me on 376-7053.

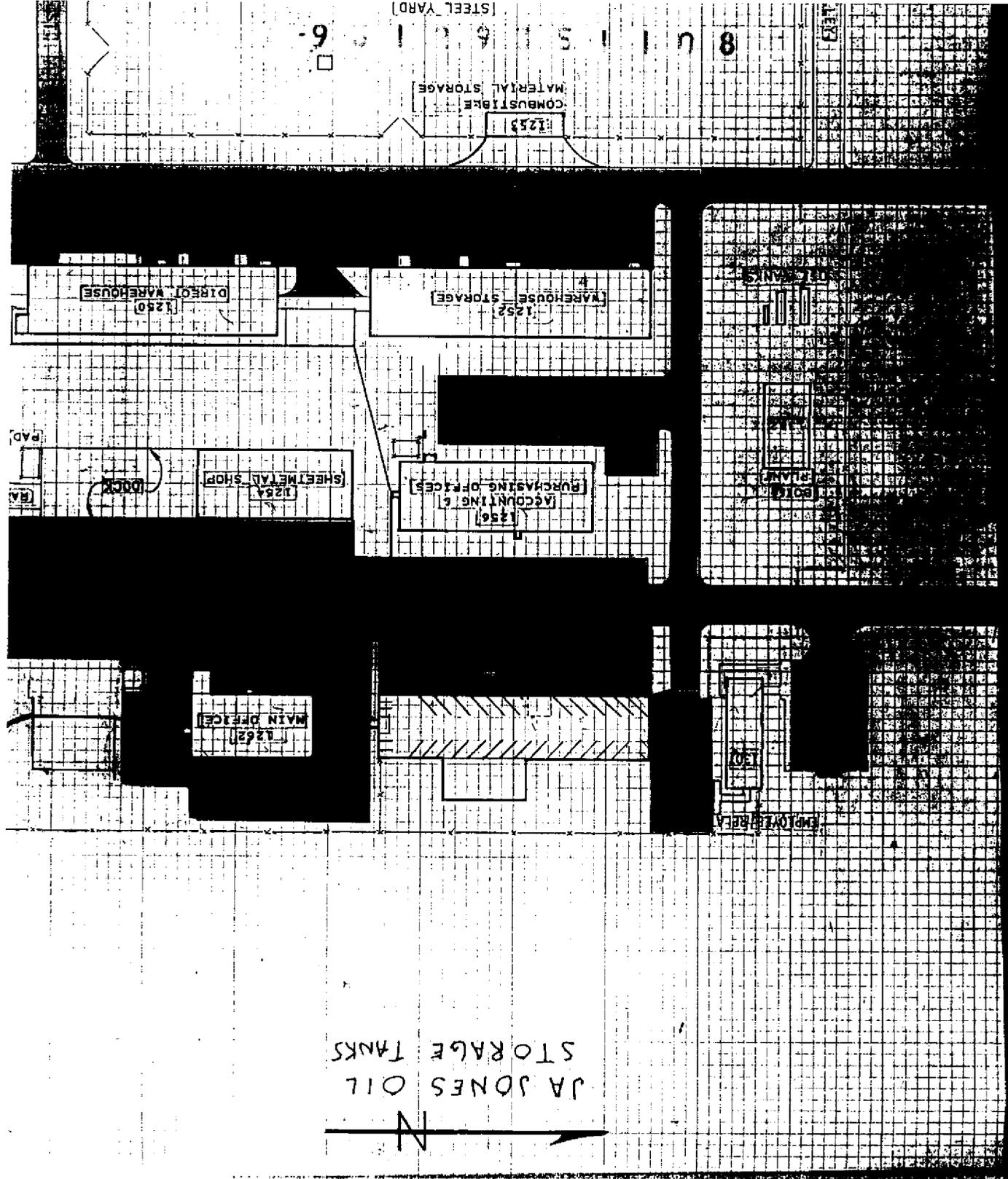
Sincerely,


W. H. Bodily, Manager
Environmental Compliance

WHB:rlc

cc: R. D. Izatt - DOE

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Simulated High Level Waste Slurry Treatment and Storage (SHLWS) T/S Unit Closure Plan

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United States
Department of Energy
Richland, Washington

1.0 PART A APPLICATION

1.1 INTRODUCTION

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The Simulated High-Level Waste Slurry (SHLWS) Treatment and Storage (T/S) unit is an open, fenced-in area that was used to store containerized simulated high-level waste slurry. The unit was also used to treat this waste in a grout/stabilization process. The untreated slurry was originally considered to be a radioactive mixed waste because, in addition to being designated a dangerous waste, it contained elevated levels of natural radioactivity. Analysis of the waste later indicated that the radioactivity of the waste is low enough to be managed as a nonradioactive waste. The slurry was designated as a dangerous waste because it contained toxic constituents, was corrosive, was ignitable, and contained dissolved metals above the limits given in the Extraction Procedure (EP) Toxicity test. The treated slurry is not dangerous waste. The levels of radioactivity in the treated waste are low enough for the waste to be managed at the Hanford Site as nonradioactive solid waste.

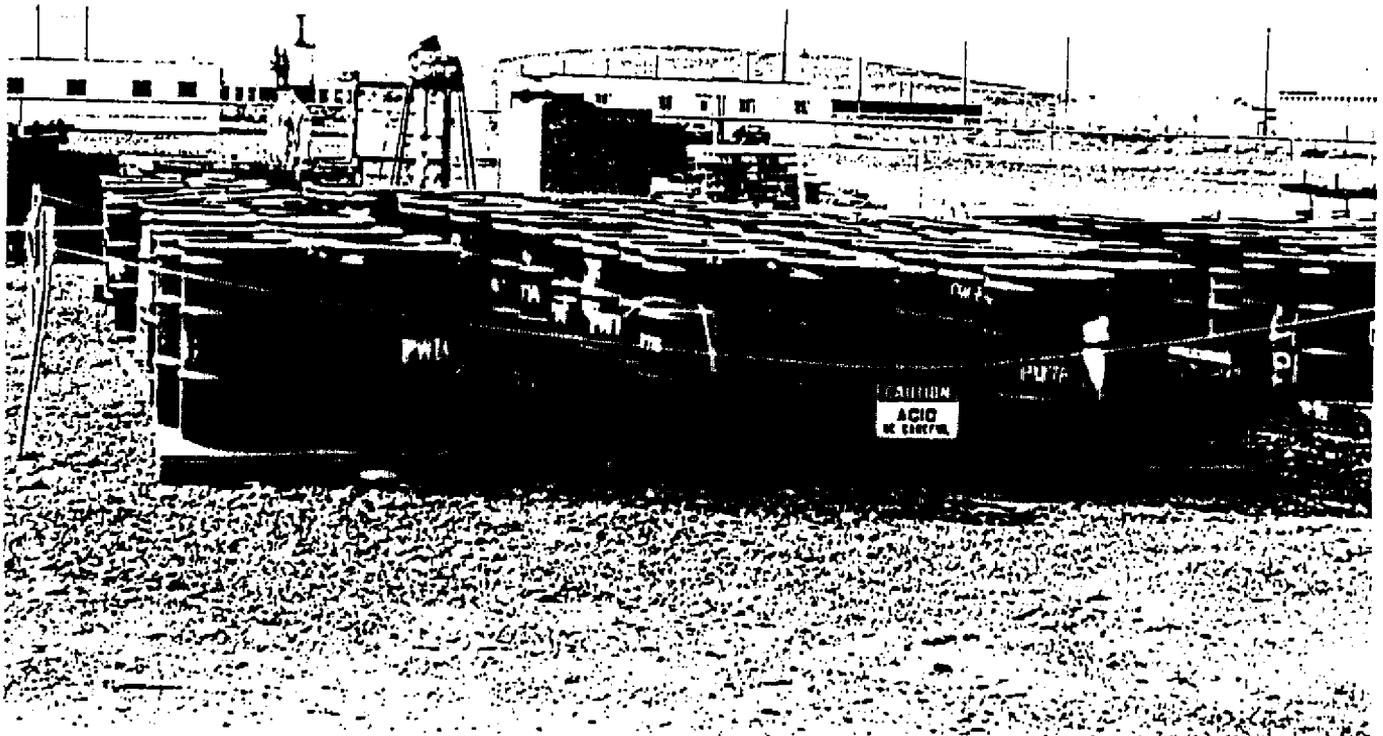
The SHLWS was procured for a research demonstration program that was subsequently cancelled. While some of the slurry was used in other programs, the remaining material was declared surplus and thereby became a solid waste requiring management in compliance with the Washington Dangerous Waste Regulations (WAC 173-303). A Part A permit application was submitted for the SHLWS T/S unit for treatment of the SHLWS, as well as for storage of the containerized slurry prior to treatment. The permit application included only the inventory of wastes in storage at the time the permit was submitted; no other wastes were or will be stored or treated under this permit. The Part A Permit Application for this unit was submitted May 23, 1988, by the U.S. Department of Energy-Richland Operations Office (DOE-RL) to the Washington State Department of Ecology (Ecology) and to Region X of the U.S. Environmental Protection Agency (EPA).

1.2 PART A APPLICATION

The following Dangerous Waste Permit Application, Form 3, Rev 1 contains a description of waste treatment and storage conditions and designation codes for the wastes at the SHLWS T/S unit.

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Simulated High-Level Waste Slurry Treatment/Storage



Longitude 119° 18' 54"
Latitude 46° 20' 52"

8801374-2CN
Photo Taken 1988

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