

008037 CRO

SITE ASSESSMENT REPORT
UNDERGROUND STORAGE TANK CLOSURE
AT
UNION PACIFIC RAILROAD
Yakima branch
Tanks 6, 7, and 8

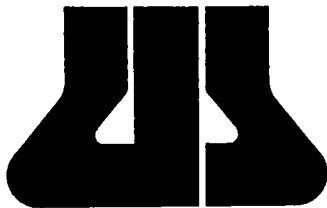
LUST

November 1990

DEPARTMENT OF ECOLOGY
UNDERGROUND STORAGE TANKS
RECEIVED

NOV 13 1990

By
U.S. Pollution Control, Inc. (USPCI)
5665 Flatiron Parkway
Boulder, CO 80301



USPCI, INC.

Remedial Services

November 8, 1990

Susan Bergdorf
Underground Storage Tank Notification
Hazardous and Solid Waste Program
Department of Ecology, M/S PV-11
Olympia, WA 98504-8711

RE: Underground storage tank (UST) removal at Union Pacific's
Yakima Branch

Dear Ms. Bergdorf:

U.S. Pollution Control, Inc. (USPCI) has recently completed a closure of eight USTs in the Union Pacific Railroad system. Enclosed is the closure report for three of these tanks located at Yakima Branch in Yakima County, Washington. We are pleased to report that no evidence of leakage was discovered for tanks 6, 7, and 8. A clean closure report was prepared in January of 1990 for tanks 2, 3, and 5. It was determined that tanks 1 and 4 were leaking and a site investigative report has been prepared separately.

If you have any questions, please do not hesitate to call.

Sincerely,

Curt Hull
Program Manager
Environmental Assessments

Enclosure

cc: Alan Jensen, UPRR
Roger Fitch, UPRR
John Yellich, USPCI
Steve Beck, USPCI

INTRODUCTION

U.S. Pollution Control, Inc. (USPCI), a wholly-owned subsidiary of Union Pacific Corporation, removed eight underground storage tanks owned and operated by Union Pacific Railroad at the Yakima Branch in Yakima County, Washington on July 13 and 14, 1990. Alan Jensen, Manager of Engineering Maintenance at Union Pacific, was the contact person. This assessment report includes a brief description of the removal procedure and on-site monitoring results for tanks 6, 7, and 8. A clean closure report was prepared in January of 1990 for tanks 2, 3, and 5. It was determined that tanks 1 and 4 were leaking and a site investigative report has been prepared separately. Notification forms, site plans, and analytical results are attached.

NOTIFICATIONS

In a letter dated September 13, 1989, USPCI notified the Washington Department of Ecology, M/S PV-11 of the existence and removal of three tanks at this location. However, after the excavation began eight tanks were discovered and removed. An amended copy of the notification form is attached. All tank references in this report refer to the numbers and capacities given in the notification.

*Generally
Yakima, WA?*

TANK CLOSURES/ON-SITE MONITORING

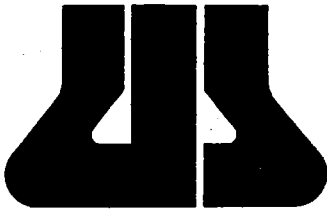
The tanks were closed by removal. No in-place closures were performed. Throughout the tank closure process, the atmosphere in the vicinity of the excavations was monitored with a photoionization detector to test the presence of volatile organics. This testing was performed in order to determine the need for respiratory protection during the excavation process and as a preliminary test for leakage. The tanks were purged with dry ice to bring the internal atmospheres of tanks 6 and 7 to 0% of the lower explosive limit (LEL) and tank 8 to 2% (LEL) before the tanks were removed from the ground.

After removal of the tanks, three soil samples were pulled from each excavation area and sent to Industrial Laboratories in Denver, Colorado for analysis of BTEX and total petroleum hydrocarbons. The samples had concentrations below significant levels or below detectable limits, indicating that no leaks had occurred. The tanks were disposed of by Tanks Away of Colorado. The disposal certificates are on file at USPCI's Environmental Assessments Department in Boulder, Colorado. The analytical results are attached.

Site observations and analytical results indicate no leaks and clean closures were performed.

ATTACHMENTS

- Notification Letter
- Site List
- Tank Notification Form
- Site Maps
- Analytical Reports
- Notice of Permanent Closure



USPCI, INC.

Remedial Services

September 13, 1989

Underground Storage Tank Notification
Hazardous and Solid Waste Program
Department of Ecology, M/S PV-11
Olympia, WA 98504-8711

This letter serves as the 30 day notice of the Union Pacific Railroad's intention to remove 25 underground storage tanks in Washington. USPCI, a wholly owned subsidiary of the Union Pacific Corporation, will perform the removals and accompanying site assessments. The attached list is the tanks and their locations that will be removed. All removal and tank cleaning will be done in accordance with 40 CFR 280 and 281, 29 CFR 1910, API Bulletin No. 1604, and API Publication No. 2015.

All liquids in the tanks will be removed for reuse or recycling by either the Union Pacific Railroad or USPCI prior to tank removal.

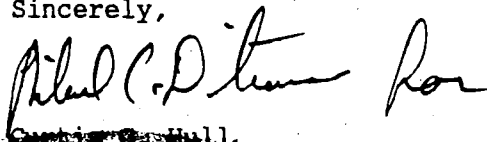
Throughout excavation of the tank a photoionization detector along with visual inspection of the soil will be used to detect the presence of contamination. If contamination is found the Washington Department of Ecology will be notified within 24 hours. On-site gas chromatograph analysis will also be used to determine the extent of contamination. Once the on-site instruments indicate that all contaminated soils have been removed a minimum of three samples will be collected in the excavation for off-site laboratory analysis. These samples will be analyzed for Total Petroleum Hydrocarbons, and in the gasoline tank excavations EP toxicity for lead. If groundwater is encountered in the excavation a sample will be collected and analyzed for the same analytes.

The Washington Department of Ecology will be consulted to determine the proper disposal option for contaminated soil. The tanks will be cleaned and scrapped or disposed of in USPCI's industrial landfill in Utah.

Washington Department of Ecology
September 13, 1989
Page 2

This is a brief description of how work will proceed in these tank removals. If you have any questions, please call me at (303)938-5569.

Sincerely,

A handwritten signature in dark ink, appearing to read "Curtis C. Hull", followed by a large, stylized flourish or initial "R" to the right.

~~Curtis C. Hull~~
Senior Geologist
Environmental Assessments

CGH:mr

Attachment

cc: J. A. Yellich, USPCI
S. Beck, USPCI
A. Jensen, UPRR
R. Fitch, UPRR

Union Pacific Railroad - UST in Washington

<u>Location</u>	<u>Tank No.</u>	<u>Size</u>	<u>Contents</u>
Cheney	1	500	Gasoline
Chester	1	500	U
Dishmen	1	500	Diesel
Garfield	1	500	Diesel
Garfield	2	500	Gas
Hooper Junction	1	500	Gas
Hooper Junction	2	250	Gas
La Cross	1	250	Gas
Matthews	1	500	Gas
Oakesdale	1	500	Gas
Page	3	250	Gas
Page	4	250	Gas
Prescott	1	500	Gas
Riparia	1	500	Gas
South Elma	1	250	Gas
Starbuck	1	500	Gas
Tekoa	1	500	Gas
Tekoa	2	500	Diesel
Thorton	1	500	Gas
Touchet	1	500	Gas
Walker	1	500	Gas
Winona	1	500	Gas
Winona	2	500	Gas
Yakima	1	10,000	Diesel
Yakima	2	1,000	Diesel

WASHINGTON STATE UNDERGROUND STORAGE TANK NOTIFICATION FORM

IMPORTANT: PLEASE READ ALL INSTRUCTIONS ON PAGES 1, 1.1 AND 1.2 BEFORE ENTERING INFORMATION.

- ABOVEGROUND TANKS MUST BE REPORTED IF THE CONNECTED UNDERGROUND PIPING COMPRISES AT LEAST 10% OF THE OVERALL STORAGE SYSTEM (TANK AND PIPING).
- A SEPARATE FORM MUST BE USED FOR EACH SITE, EXCEPT FOR SITES WITH ONLY ONE TANK EACH. SEE THE GENERAL INSTRUCTIONS (PAGE 1-2) FOR THE DEFINITION OF A SITE AND DETAILS ON REPORTING SITES WITH ONE TANK EACH.
- THERE IS ROOM IN SECTION VI FOR INFORMATION CONCERNING 15 TANKS IF YOU HAVE MORE THAN 15 TANKS. PHOTOCOPY BOTH PAGES OF SECTION VI BEFORE ENTERING ANY INFORMATION. IF YOU HAVE MORE THAN ONE SITE, EITHER OBTAIN MORE FORMS FROM THE DEPARTMENT OF ECOLOGY OR BE SURE TO ALSO PHOTOCOPY THIS PAGE.)
- PLEASE TYPE, OR PRINT IN INK, THE SIGNATURE UNDER "CERTIFICATION" (SECTION V) MUST BE SIGNED IN INK.

I. OWNERSHIP OF THE TANK(S)

Please enter information regarding the owner of the tank(s) if the ownership is uncertain, enter information regarding the owner of the property where the tanks are located, or information regarding the former owner of the tanks. Please circle the correct letter, indicating who the information given below refers to:

A. ☐ CURRENT OWNER OF TANK(S) B. ☐ FORMER OWNER OF TANK(S) C. ☐ PROPERTY OWNER

OTHER (PLEASE SPECIFY):

UNION PACIFIC RAILROAD

1916 DOBBS STREET

OMAHA

DOVER

402-271-2262

NE

60179-

State

ZIP Code

Type of Owner of Facility CIRCLE CORRECT CODE(S)

CODE	TYPE	CODE	TYPE	CODE	TYPE
A	Business	G	Industrial/Manufacturing	M	City/Town
B	Self-Prop	H	Private Institution	N	County
C	Prostitution/Distribution	I	Residence (Other Farm)	O	State
D	Construction/Bldg	J	Farm	P	Federal (Military)*
E	Auto Dealer	K	Airport	Q	Federal (Non-Military)*
F	Other Commercial/Resid	L	Marine	R	Religious

* Other (Please Specify):

*FEDERAL FACILITIES ONLY: Please give your OIA Facility ID Number (Building Number)

II. CONTACT PERSON AT THE TANK LOCATION

The contact person should be the individual responsible for regularly monitoring the operation of the tank(s)

RULEADES

DAVISON ENGINEER

503-249-2314

Area Code

Phone Number

FORM 807 10-85 (12/85) OI 2-226

STATE USE ONLY

III. SITE OF THE TANK(S)

(If the same as Section I, mark box here ☐ See the General Instructions (Page 1-2, 2 a.) for the definition of a site.

YAKIMA ROUNDRIDGE AND DEPOT

Facility Name or Company Site Identifier (If the facility is operated by a lease or owner, the name of the corporation, individual, public, agency or other entity which operates the facility should be entered here.)

NW 1/4 SECTION 30 T3N R19E

Longitude and Latitude or Township, Range, and Quarter Section where the tanks are located

YAKIMA

City

WA

State

YAKIMA

Area Code

Phone Number

Country

IV. THE TOTAL NUMBER OF TANKS AT THE SITE

1. Number of tanks containing petroleum, which are now in use
2. Number of tanks which have stored petroleum, but are not now in use
3. Number of tanks containing regulated chemicals, which are now in use
4. Number of tanks which have stored regulated chemicals, but are not now in use

TOTAL NUMBER OF TANKS

Please mark this box if the site is located on land within an Indian reservation or on other Indian trust lands ☐

V. CERTIFICATION (Please read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents. To the best of my knowledge and belief, the submitted information is true, accurate, and complete.

L. A. SCHMID

ENVIRONMENTAL ENGINEER

Name and official title of owner or owner's authorized representative or, in cases where the ownership is unknown, the name and title of the person signing the form. (PLEASE TYPE OR PRINT IN INK)

4-29-86

Date Signed

Signature (PLEASE SIGN IN INK)

Page One of 3 pages

5 tanks on 007786

3 tanks on 008037

Page 3 of 3 pages

in fact, the only way to ensure the safety of the public is to ensure that the public is not exposed to the risk of a nuclear accident.

Please put the correct letter for each task in the appropriate row of the column below (if "Other" (D) or G) please also enter the type of costing and/or wrapping.)

Please enter all the letters which apply to the portion of the piping which is underground. (If "Other" (D) please also enter the type of material.)

Stored in the Tank

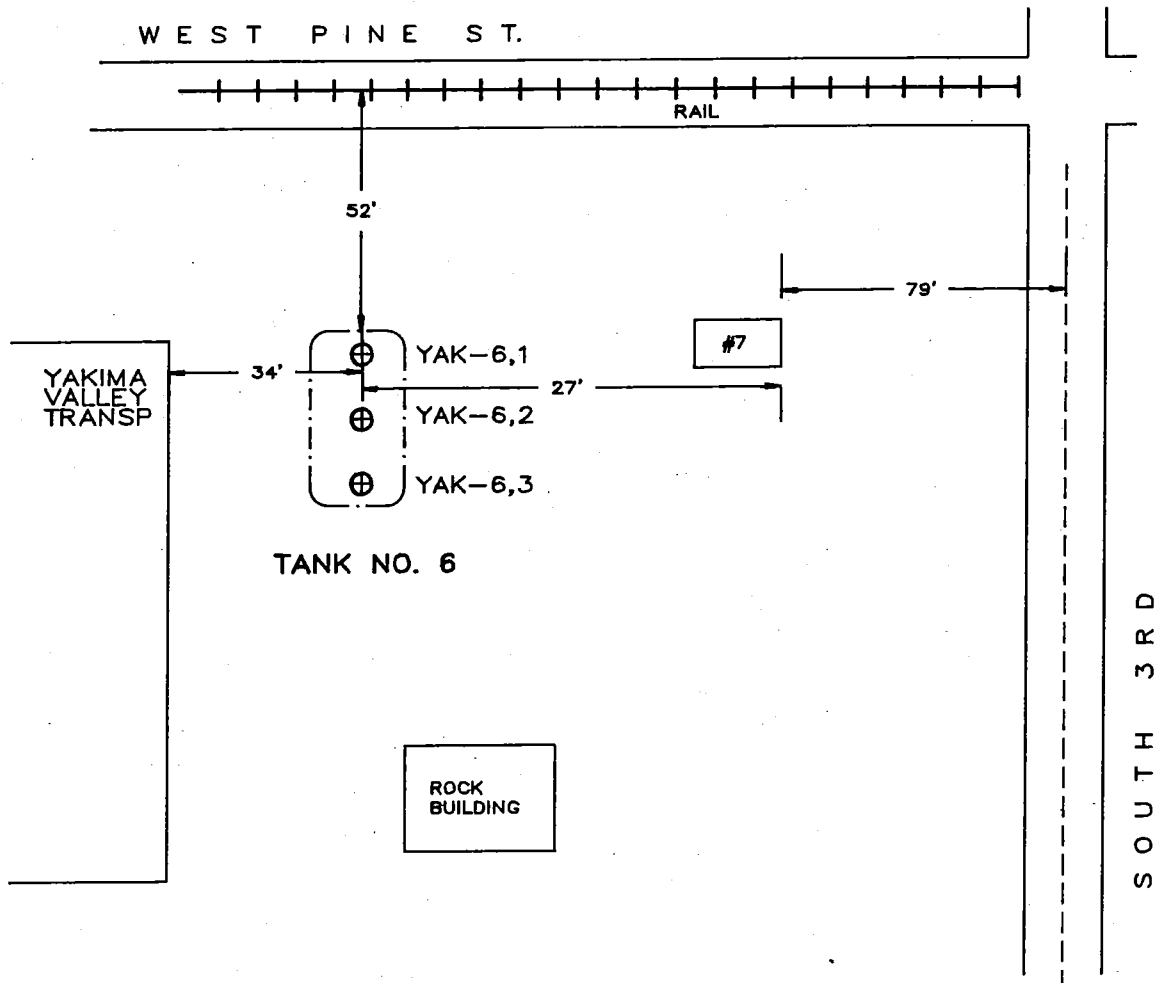
Stored in the Tank

**THESE ITEMS R
PLEASE LEAVE**

**ALLY TO TANKS PERMIT
TOWNS FOR THE TANKS**

**RECENTLY OUT OF SERVICE
STILL IN SERVICE B**

THESE ITEMS REFER ONLY TO TANKS PERMANENTLY OUT OF SERVICE.
PLEASE LEAVE THE ROWS FOR THE TANKS STILL IN SERVICE BLANK.



LEGEND

- ⊕ SAMPLE LOCATION
- - - - EXCAVATION BOUNDARY

USPCI

A Subsidiary of
Union Pacific Corporation

UNION PACIFIC RAILROAD

SITE PLAN
YAKIMA, WASHINGTON

SCALE: NONE

APPROVED/DATE



WEST PINE ST.

RAIL

YAKIMA
VALLEY
TRANSP

ROCK
BUILDING

YAK-7,3

YAK-7,2

YAK-7,1

57'

79'

TANK NO. 7

SOUTH 3RD

LEGEND



SAMPLE LOCATION



EXCAVATION BOUNDARY

USPCI

A Subsidiary of
Union Pacific Corporation

UNION PACIFIC RAILROAD

SITE PLAN
YAKIMA, WASHINGTON

SCALE

NONE

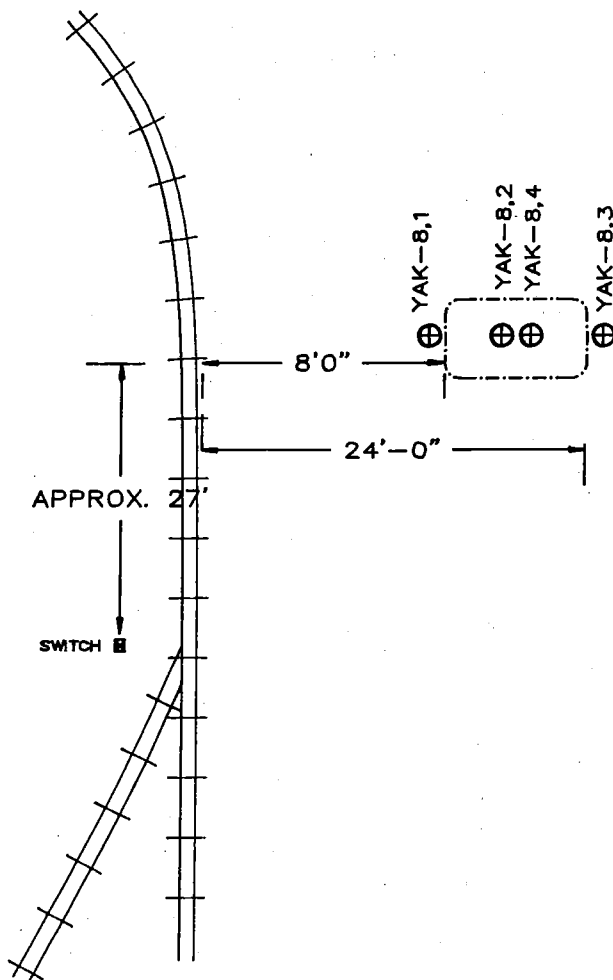
APPROVED/DATE



WEST PINE STREET

YAKIMA
VALLEY
CAR BARN

SOUTH 4TH



LEGEND



SAMPLE LOCATION



EXCAVATION BOUNDARY

USPCI

A Subsidiary of
Union Pacific Corporation

UNION PACIFIC RAILROAD

SITE PLAN
YAKIMA, WASHINGTON

SCALE: NONE

APPROVED/DATE



Industrial LABORATORIES

THE INDUSTRIAL LABORATORIES COMPANY

Complete Consulting Chemistry Service
Bacteriological & Analytical Testing

1450 East 62nd Avenue
P.O. Box 16207
Denver, Colorado 80216
(303) 287-9691 FAX (303) 287-0964

Analysis Report

USPCI, INC.
5665 FLATIRON PARKWAY
BOULDER, CO 80301
CURT G. HULL

Page: 1
Date Received: 06/22/90
Date Reported: 08/29/90
Lab Number: 5684
Customer P.O.: 93409

Sample Marked: SOIL, UST, UPRR, PROJECT 93409

SAMPLE NO	TOTAL PET- ROLEUM HY- DROCARBONS PPM	BENZENE PPM	TOLUENE PPM	XYLENE PPM	ETHYL- BENZENE PPM
BENTON CITY 1-1-N. 6/15/90	100	ND<0.2	ND<0.2	ND<0.2	ND<0.2
BENTON CITY. 1-2-C. 6/15/90	30	0.7	1.6	ND<0.2	ND<0.2
BENTON CITY. 1-3-S. 6/15/90	70	0.6	1.0	ND<0.2	ND<0.2
KENNEWICK 1-1-N. 6/15/90	10	ND<0.2	0.3	ND<0.2	ND<0.2
KENNEWICK 1-2-C. 6/15/90	20	0.6	0.9	ND<0.2	ND<0.2
KENNEWICK 1-3-S. 6/15/90	110	3.0	5.1	ND<0.2	ND<0.2
WALLULA 1-1-C. 6/15/90	15	1.1	1.7	ND<0.2	ND<0.2
WALLULA 1-2-E. 6/15/90	12	1.0	1.8	ND<0.2	ND<0.2
WALLULA 1-3-W. 6/15/90	55	ND<0.2	0.5	ND<0.2	ND<0.2
YAKIMA 8-4-C. 6/13/90	35	0.4	0.7	ND<0.2	ND<0.2
KALEN 1-1-N. 6/12/90	25	0.6	1.1	ND<0.2	ND<0.2
KALEN 1-2-C. 6/12/90	45	1.0	1.7	ND<0.2	ND<0.2

CONTINUED ON NEXT PAGE

CONTINUED ON NEXT PAGE

Receipt of analysis services acknowledges the terms and conditions on the reverse side and acknowledges that they are part of this order.



industrial LABORATORIES

THE INDUSTRIAL LABORATORIES COMPANY

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Denver, Colorado 80216
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BOULDER, CO 80301
CURT G. HULL

Page: 2
Date Received: 06/22/90
Date Reported: 08/29/90
Lab Number: 5684
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SAMPLE NO	TOTAL PET- ROLEUM HY- DROCARBONS PPM	BENZENE PPM	TOLUENE PPM	XYLENE PPM	ETHYL- BENZENE PPM
KALEN 1-3-S. 6/12/90	20	0.7	1.8	ND<0.2	ND<0.2
YAKIMA 7-1-E. 6/13/90	40	12.9	29.1	0.5	1.3
YAKIMA 7-2-C. 6/13/90	45	2.4	4.0	ND<0.2	ND<0.2
YAKIMA 7-3-W. 6/123/90	10				
YAKIMA 7-3-W. 6/13/90		1.9	3.1	ND<0.2	ND<0.2
YAKIMA 8-1-E. 6/13/90	20	0.5	1.0	ND<0.2	ND<0.2
YAKIMA 8-2-C. 6/13/90	20	ND<0.2	0.5	ND<0.2	ND<0.2
YAKIMA 8-3-W. 6/13/90	70	ND<0.2	ND<0.2	ND<0.2	ND<0.2
YAKIMA 6-1-N. 6/14/90	60	3.3	5.5	ND<0.2	ND<0.2
YAKIMA 6-2-C. 6/15/90	85	0.5	1.1	ND<0.2	ND<0.2
YAKIMA 6-3-S. 6/14/90	25	0.9	1.7	ND<0.2	ND<0.2
GRANDVIEW 6-1-N. 6/15/90	50	0.3	1.4	ND<0.2	ND<0.2

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CONTINUED ON NEXT PAGE

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