



October 25, 1993

Mr. Mark Peterschmidt
Department of Ecology
106 South Sixth Ave.
Yakima, WA 98902



Dear Mr. Peterschmidt:

This is in response to your phone request for information on petroleum contaminated soils at the WSDOT maintenance facility in Union Gap, Washington. You are aware that underground storage tanks UST(s) were removed at this site in October 1989 and that a report of a release was made to Ecology. Unfortunately, Ecology's letter (June 28, 1991) requesting additional information on the contamination does not appear to have been given a response. Also transmitted are (1) a sketch of the UST excavation and (2) a copy of the soils analysis.

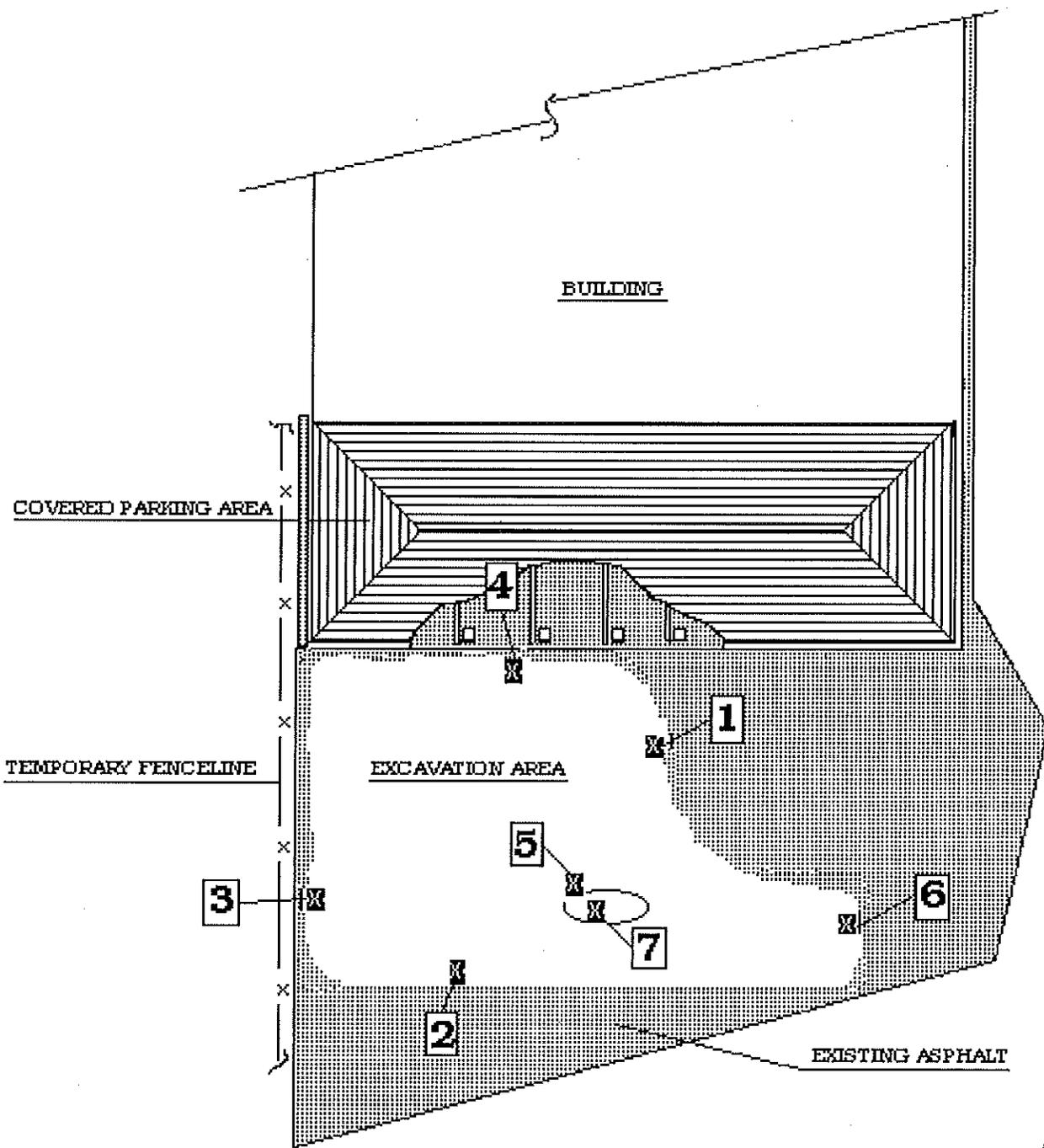
You will note from this information that soils on the west excavation wall had TPH levels that exceeded standards. Soils along the north wall under the building also exceeded TPH standards but could not be excavated without compromising the structure.

As I indicated in our conversation, WSDOT has been directed by the legislature, through a funding package, to identify and remediate sites/facilities that have been contaminated. The Union Gap facility is one of those sites that has been identified as needing a phase 2 assessment and limited clean-up. Our Memorandum of Agreement with Ecology formalizes WSDOT commitment to address and correct its environmental concerns. It is with this positive attitude toward environmental compliance that we respectfully declined Yakima Health District's request to perform an environmental assessment at the Union Gap facility. WSDOT wishes to maintain strong and cooperative working relationships with all state, local and federal agencies and would not want our position on this issue to compromise our relationship with the local Health district nor Ecology. Please contact me at 705-7812 if you have additional questions on this matter.

Sincerely,

DOUG PIERCE
Manager, Environmental Compliance

DP:kmc.2592
Attachments
cc: Guy Couture



UNION GAP



(no scale)

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4630 PACIFIC HIGHWAY EAST, SUITE B-14, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: WA State Dept. of
Transportation

Date: October 12, 1989

Report On: Analysis of Soil & Water

Lab No.: 8038

IDENTIFICATION:

Samples Received on 10-11-89

Project: Union Gap

ANALYSIS:

Sample was analyzed for EP toxicity in accordance with "Test Methods for Evaluating Solid Waste", EPA SW-846, 3rd Edition, Sept. 1986.

Lab Sample No. Rush 5

Client ID: #5 Bottom

<u>Contaminant</u>	<u>Concentration (mg/l)</u>	<u>Max Conc., (mg/l)</u>
Arsenic	< 0.1	5.0
Barium	0.7	100.0
Cadmium	< 0.1	1.0
Chromium	< 0.1	5.0
Lead	< 0.1	5.0
Mercury	< 0.05	0.2
Selenium	< 0.1	1.0
Silver	< 0.1	5.0

Continued

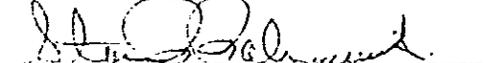
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WA State Dept.
of Transportation
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Lab No. 8038
October 12, 1989

<u>Lab Sample No.</u>	<u>Client ID</u>	<u>Matrix/ Units</u>	<u>Total Petroleum Hydrocarbons</u>
Rush 1	#1 E.Wall	Soil mg/kg	12.2
Rush 2	#2 S.Wall	Soil mg/kg	235
Rush 3	#3 W.Wall	Soil mg/kg	3,499
Rush 4	#4 N.Wall	Soil mg/kg	612
Rush 5	#5 Bottom	Soil mg/kg	45.2
Rush 6	#6	Soil mg/kg	7.2
Rush 7	#7	Water mg/l	150

(TPH by EPA Method 418.1)

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STAN P. PALMQUIST

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QUALITY CONTROL REPORT

DUPLICATES

Lab No: 8038
Date: October 12, 1989
Client: WA State Dept. of Transportation
Client ID: #2 S. Wall
Matrix: Soil
Units: mg/kg

Compound	Sample(S)	Duplicate(D)	RPD*
Total Petroleum Hydrocarbons	235	221	6.1

Client ID: #6
Matrix: Soil
Units: mg/kg

Compound	Sample(S)	Duplicate(D)	RPD*
Total Petroleum Hydrocarbons	7.2	6.9	4.3

*RPD = relative percent difference
= $[(S - D) / ((S + D) / 2)] \times 100$

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SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4630 PACIFIC HIGHWAY EAST, SUITE B-14, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: WA State Dept. of Trans. Date: August 8, 1990

Report On: Analysis of Soil & Water Lab No.: 12545

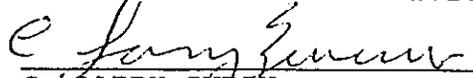
IDENTIFICATION:

Samples Received on 08-02-90

ANALYSIS:

Lab Sample No.	1	2
Client Identification	Union Gap #1	Crystal Creek #1
Matrix/Units	Soil ppm	Water ppm
Benzene	< 0.05	0.004
Toluene	< 0.05	0.004
Ethyl Benzene	< 0.05	0.053
Xylenes	< 0.05	0.091
BTEX by EPA SW-846 Method 8020		
Total Petroleum Fuel Hydrocarbons, by EPA SW-846 Modified Method 8015	< 10	< 10

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C. LARRY ZURAW

