



Columbia Environmental Inc.

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March 8, 1996

Mr. Ray Foley
Shultz Distributing, Inc.
6851 East Marginal Way South
Seattle, WA 98124

Re: Hand Auger Sampling
Port of Seattle, Terminal 115
Southwest Front Street &
West Marginal Way Southwest
Seattle, Washington
Project Number 96624

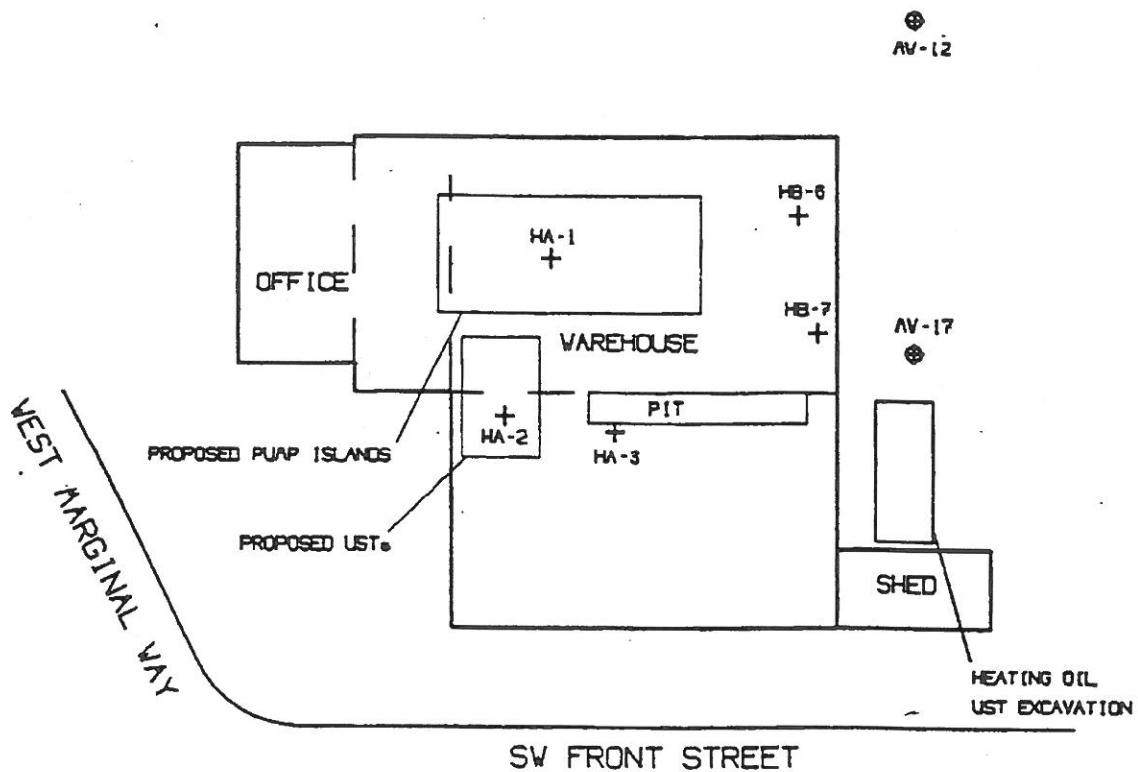
- References:
- 1) Columbia Environmental, Inc., September 1995
"UST Closure Report", same site.
 - 2) GeoScience Management, Inc., July 2, 1995
"Subsurface Investigation", same site.
Portions of report were provided for review.
 - 3) AGRA Earth & Environmental, December 13, 1994
"Results of Soil Testing and Groundwater
Monitoring", same site.
Portions of report were provided for review.

Dear Ray:

In response to your recent request, we have completed hand auger sampling and laboratory analysis at the Terminal 115 site in Seattle, Washington. The portion of the site addressed by this study is a former metals recycling facility which contains a warehouse structure along with an attached shed and office space. The buildings are currently vacant.

The site contained an underground storage tank (UST) which was roughly 9,000 gallons in capacity and had been used to store heating oil. The tank was removed during August of 1995. The referenced previous studies have indicated that groundwater contamination is present to the northeast, and soil contamination is present to the east and northeast of the warehouse building. The contamination appears to be the most severe in the vicinity of Monitoring Well MW-12, where over two feet of free product has been reported (reference 3). The primary contaminant appears to be diesel fuel.

Future plans include demolition of the existing building and installation of a Cardlock petroleum fueling facility. The samples collected during this project were intended to provide a baseline of current soil and groundwater conditions at the proposed locations of the pump islands and USTs for this facility.



SCALE



KEY

- ⊕ MONITORING WELL
- AV-12
- ⊕ HAND AUGER BORING
- HA-1

- Notes:
- Proposed UST and pump island locations are approximate.
 - Hand auger borings with prefix HA were completed by our firm, those with prefix HB were completed by other firms.
 - Not all wells and borings are shown on plan.

SITE PLAN
Terminal 115
Seattle, Washington

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TABLE A: SUMMARY OF ANALYTICAL RESULTS

Sample Number	Location	Analysis	Analyte	Results (ppm)	Cleanup Level (ppm)
HA1-1	HA1 @ 5'	WTPH-D	Diesel	ND	200
HA1-2	HA1 @ 7'	WTPH-D WTPH-G EPA 8020	Diesel Gasoline BTEX	ND ND ND	200 100 -
HA1-GW	Groundwater in HA1	WTPH-D WTPH-G EPA 8020	Diesel Gasoline BTEX	ND ND ND	1.0 1.0 -
HA2-1	HA2 @ 5'	WTPH-D	Diesel	ND	200
HA2-2	HA2 @ 7'	WTPH-D WTPH-G EPA 8020	Diesel Gasoline BTEX	ND ND ND	200 100 -
HA3-1	HA3 @ 4'	WTPH-D	Diesel	ND	200
HA3-3	HA3 @ 7'	WTPH-D WTPH-G EPA 8020	Diesel Gasoline BTEX	ND ND ND	200 100 -

NOTES TO TABLE A

- Cleanup level varies according to contaminant.
- 1) ppm indicates parts per million.
- 2) Cleanup levels are Method A cleanup levels as specified in the Model Toxics Control Act, WAC 173-340.
- 3) ND denotes none detected. Refer to laboratory report for analytical detection limits.

