

October 28, 2000

Mr. Hal Cowman
3257 26th Avenue West
Seattle, WA 98199

RE: October 2000 Annual Groundwater Monitoring
C & C Paints Site
~~5221 Ballard Avenue NW~~ 5232 SHILSHOLE
Seattle, Washington AVE NW, SEATTLE

Dear Mr. Cowman:

Nowicki & Associates, Inc. (NAI) is pleased to submit this annual groundwater monitoring report for the C & C Paints property located at 5221 Ballard Avenue NW, Seattle, Washington.

NAI was at the above referenced site on October 10, 2000 to perform the sampling of the groundwater. The scope of work included water sample collection and report documentation.

Site Background:

Six USTs were removed from the site in 1990 and mineral spirits impacted soil and groundwater were discovered. Ten monitoring wells were installed to monitor groundwater conditions. Free product was encountered after installation of MW1 in 1991. Attempts were made by Columbia Environmental Inc. (CEI) to remedy the site through free product recovery but they were unsuccessful. The work performed at the site prior to January of 1998 had been under the oversight of CEI. Nowicki & Associates assumes groundwater monitoring in January of 1998 and thereafter.

In October of 2000, a 300-gallon diesel UST located up-gradient of MW2 and MW3 along Shilshole Avenue was removed. Tank removal Site Assessment results are documented by NAI in the report dated November 28, 2000. In addition to diesel, gasoline range hydrocarbons were also detected in the contaminated soil surrounding the removed UST. Because of the presence of sewer and water lines immediately located on the tank excavation sidewalls, contaminated soils were left in-place. The presence of underground utilities is assumed to provide a migration pathway between the monitoring well locations and the diesel tank excavated area.

Field Methodology:

Groundwater sampling activities were conducted in accordance with Washington State Department of Ecology's guidelines. Each well was observed for the presence of free product. Groundwater depths below ground surface were measured prior to purging. At least three well casing volumes were purged from each well. The purged water was stored in the 55-gallon metal drum at the site. The wells were then allowed to recharge sufficiently before water samples were collected. Well purging and sampling were completed sequentially, starting with the previously documented clean well(s) and finishing with the most contaminated well(s). The level of groundwater contamination in the wells was based on the last annual sampling completed in January of 1998.

Well purging was accomplished using disposable plastic bailers. Re-used bailers were cleaned with an Alconox detergent solution and rinsed with clean water before and after each use. Water samples were collected into laboratory-provided pre-cleaned 40-ml glass vials with septum caps. Water depths were measured using a measuring tape with water finding paste. All samples were appropriately labeled and stored in an ice cooler until delivery to OnSite Environmental Laboratory located at 14648 NE 95th Street, Redmond, Washington.

NOWICKI
& ASSOCIATES

DEPARTMENT OF ECOLOGY	
NORTHWEST TANK UNIT	
ENERGY & ENVIRONMENTAL MANAGEMENT	
INTERIM CLEANUP REPORT	<input type="checkbox"/>
SITE CHARACTERIZATION	<input type="checkbox"/>
FINAL CLEANUP REPORT	<input type="checkbox"/>
OTHER _____	<input type="checkbox"/>
AFFECTED MEDIA: SOIL	<input checked="" type="checkbox"/>
OTHER _____ GW	<input type="checkbox"/>
INSPECTOR (INIT.) <i>NA</i>	DATE <i>1-4-01</i>



RECEIVED

JAN 02 2001

DEPT. OF ECOLOGY

33516 9th Avenue South
Building #6
Federal Way, Washington 98003
Phone: (253) 927-5233
FAX: (253) 924-0323

LUST CLEANUP REPORT REVIEW	
LUST # <u>1716</u>	UST # <u>4806</u> Site Name <u>Cowman Campbell Paint Co.</u>
Change in Status of Release & Date (Awaiting Cleanup) (<u>Cleanup Started</u>) (Monitoring) (Reported Cleaned Up) (No Further Action) (Unknown) Date <u>no change</u>	
Cause of Release (Overfill) (Piping Failure) (Spill) (Tank Failure) (Unknown)	
Remediation Technologies Used	
Report Title <u>Oct 2000 Annual GW Monitoring</u> Report Date <u>10/28/00</u>	
Report Type (<u>Interim</u>) (Monitoring) (Final) (Site Characterization) (Unknown)	
Date Received <u>1/2/01</u>	Contractor <u>Nowicki & Assoc.</u>
Comments <u>MW-1 had 4/0 ppm TPH-G; 1.1 ppm TPH-D</u> <u>MW-7 had 4.3 ppm TPH-G; other MWs below Method 815</u> <u>Very high GW table.</u> <u>Gas chromatograms for MW-1 & MW 2 & MW 3 typical standard solvent.</u>	
Fund Source (LUST Trust Fund) (PLIA) (Responsible Party) (State Fund)	
VCP/IRAP Status (Requested) (Not Requested) (Complete)	Reviewed by <u>J. J. Demas</u> Date <u>1-4-01</u>

Field Findings:

No observable free product was noted in any of the sampled wells except for MW1. MW1 had a heavy oil sheen but no measurable free product.

Groundwater depth measurements are listed in Table 1. Water depths were found to be generally a foot lower than those from the January 1998 sampling event. The general groundwater flow direction remains consistently to the west.

Table 1. Field Parameters

WELL ID	SURVEYED ELEV. (FT)	DATE	DEPTH TO WATER (FT)	GROUNDWATER ELEV. (FT)
MW1	19.72	10-10-98	4.96	14.76
MW2	19.74	"	5.02	14.72
MW3	19.80	"	5.58	14.22
MW4	20.00	"	6.60	13.40
MW5	19.57	"	5.12	14.45
MW6	20.39	"	3.31	17.08
MW7	20.65	"	3.02	17.63
MW8	21.29	"	3.25	18.04
MW9	23.98	"	4.25	19.73
MW10	19.89	"	6.46	13.43

Note:

Surveyed data are obtained from CEI's report.

Laboratory Analysis and Results:

All samples were lab-analyzed by OnSite Environmental for Gasoline-TPHs and BTEX (benzene, toluene, ethylbenzene, and xylenes) using Method NWTPH-Gx/BTEX. Laboratory control parameters were within control limits. Laboratory results are summarized in Table 2.

As can be seen in Table 2, gas-TPHs are higher in MW1 but lower in MW4 and MW7 than those from the last sampling event. The higher level of gas-TPHs in MW1 is assumed due possible accumulation because of non-sampling activity over a long period. However, TEX remains relatively constant in all historically contaminated wells. Trace levels of gas-TPHs and TEX were detected in MW2 and MW3. The three previously non-detect wells, MW8, MW9 and MW10 remain non-detect in this sampling round.

Table 2. Laboratory Results

WELL ID	TPH-GAS (PPM) MINERAL SPIRITS	BENZENE (PPM)	TOLUENE (PPM)	ETHYLBEN. (PPM)	XYLENES (PPM)
MW1	410*	nd	0.120	16.0	70.1
MW2	0.13*	nd	0.036	nd	nd
MW3	nd	nd	nd	nd	0.0016
MW4	0.68	nd	nd	0.037	0.03
MW5	0.2*	0.0011	nd	0.001	0.0049
MW6	0.84	0.0019	nd	nd	0.0017
MW7	4.3	0.0012	nd	0.19	0.36
MW8	nd	nd	nd	nd	nd
MW9	nd	nd	nd	nd	nd
MW10	nd	nd	nd	nd	nd
MTCA A Level	1.0	0.005	0.04	0.03	0.02

nd=non-detect at detection limits

* = Sample gas chromatograms are not typical of gasoline (as Stoddard Solvent is present).

Conclusions & Recommendations:

Laboratory data indicate gas-TPHs are still present in groundwater at the site, above the current Washington State MTCA Method A clean-up levels. While the level of gas-TPHs slightly increases at MW1, one of the down-gradient perimeter wells along Shilshole, it decreases at MW7, an up-gradient well (adjacent to the floor drain) inside the onsite building.

The down-gradient perimeter wells along Shilshole Avenue remain non-detect or below MTCA Method A levels for gas and BTEX except for MW4, which was detected with ethylbenzene and xylenes.

We recommend continuing with at least annual groundwater monitoring. Because of the relatively high levels of gas-TPHs, remediation of groundwater is also recommended

Limitations:

This report was intended for the exclusive use of the original client, C & C Paints Company. The scope of work performed by NAI was in accordance with the signed proposal dated September 1, 2000 and limited to only the groundwater sampling at the site. The work completed was consistent with the generally accepted practices in environmental science and engineering under similar conditions and conformed with the client's request. No other warranty is expressed or implied.

We appreciate the opportunity to be of service on this project. If you have any questions regarding the report, please call.

Sincerely,



Michael Lam
Project Manager

cc: Annett Adamasu – Toxics Clean-up Program Dept of Ecology NW Regional Office

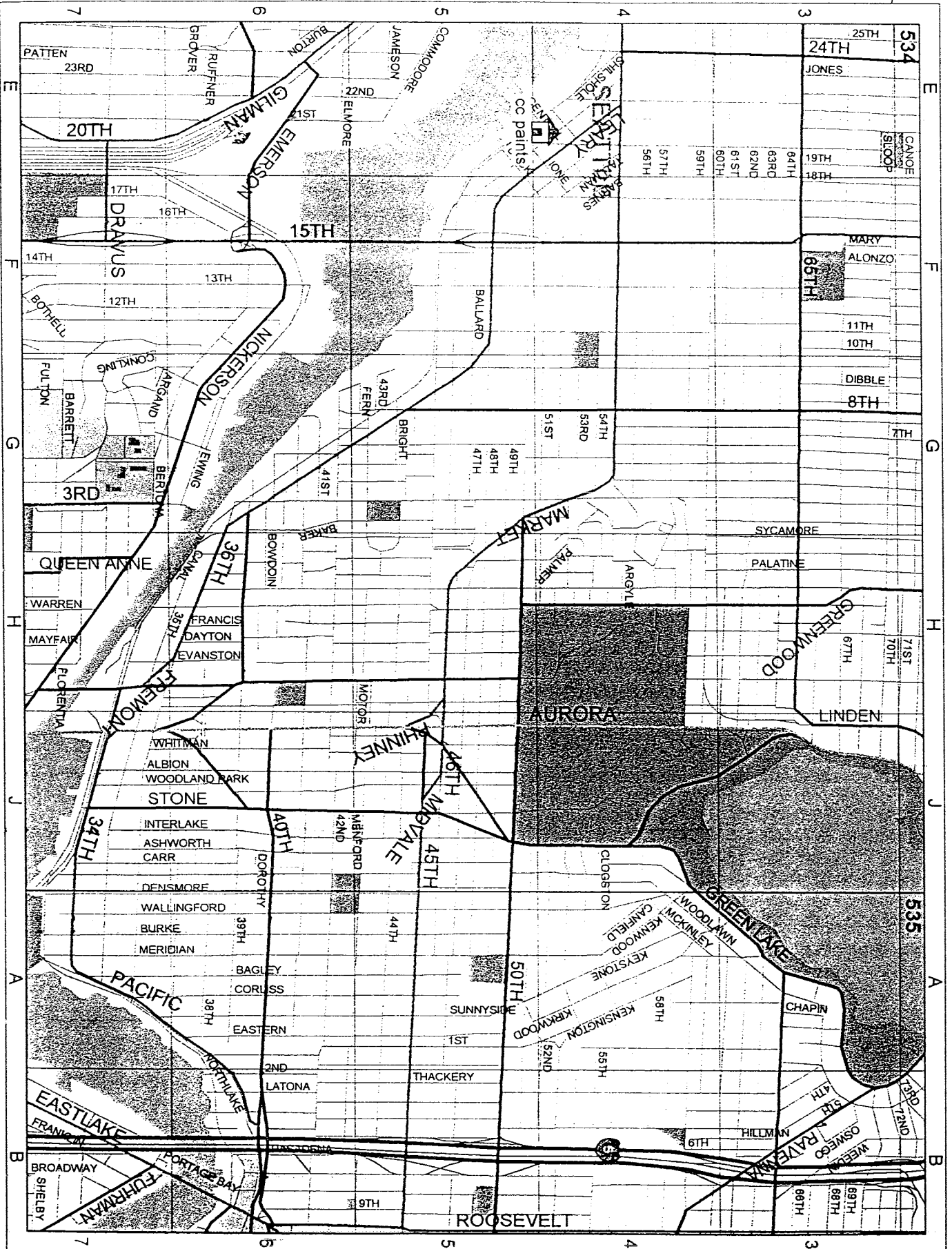
Reference: Columbia Environmental, Inc., April 21, 1997: "Quarterly Groundwater Monitoring, C & C Paints Company Property".

Attachments:

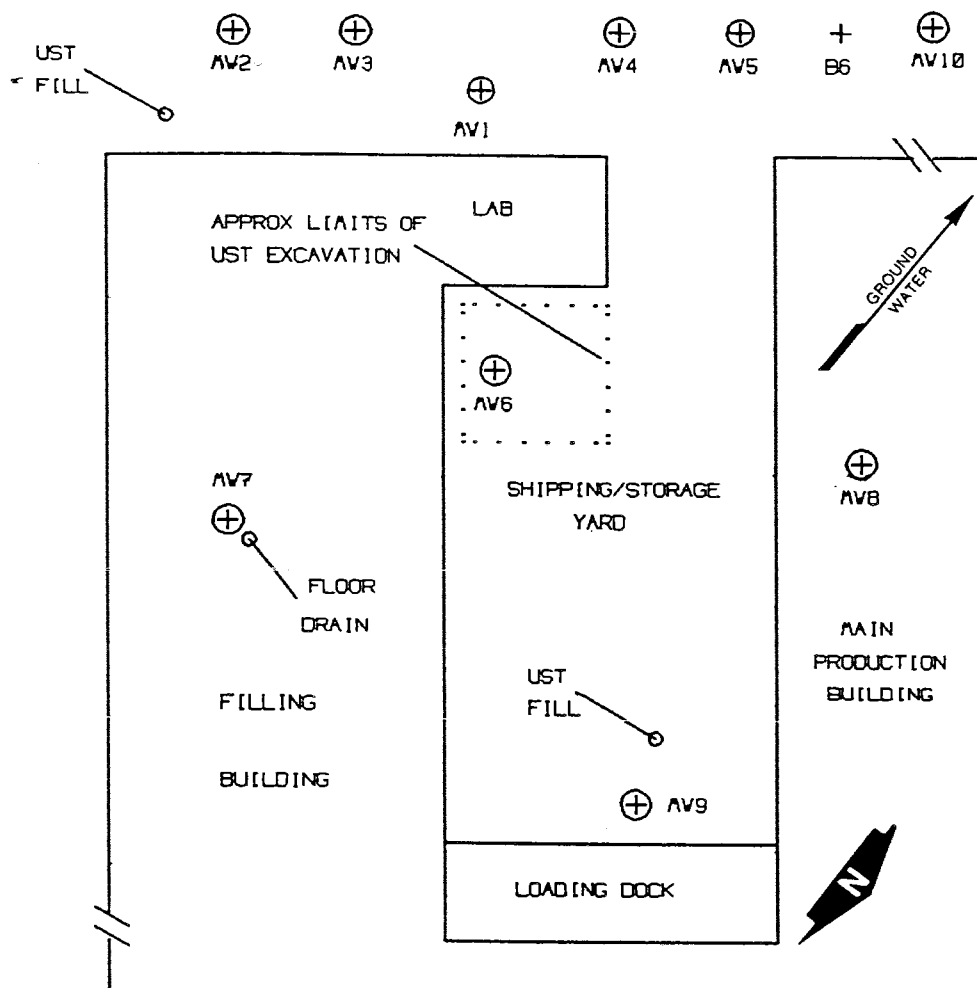
Appendix A: Site Location Map (1) and CEI's Site Plans (2)
Appendix B: Laboratory Report
Appendix C: Summary of Groundwater Data Table 3

Appendix A.

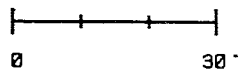
Site Location Map (1) and CEI's Site Plans (2)



SHILSHOLE AVENUE NORTHWEST



SCALE



KEY

⊕
AV2
MONITORING WELL

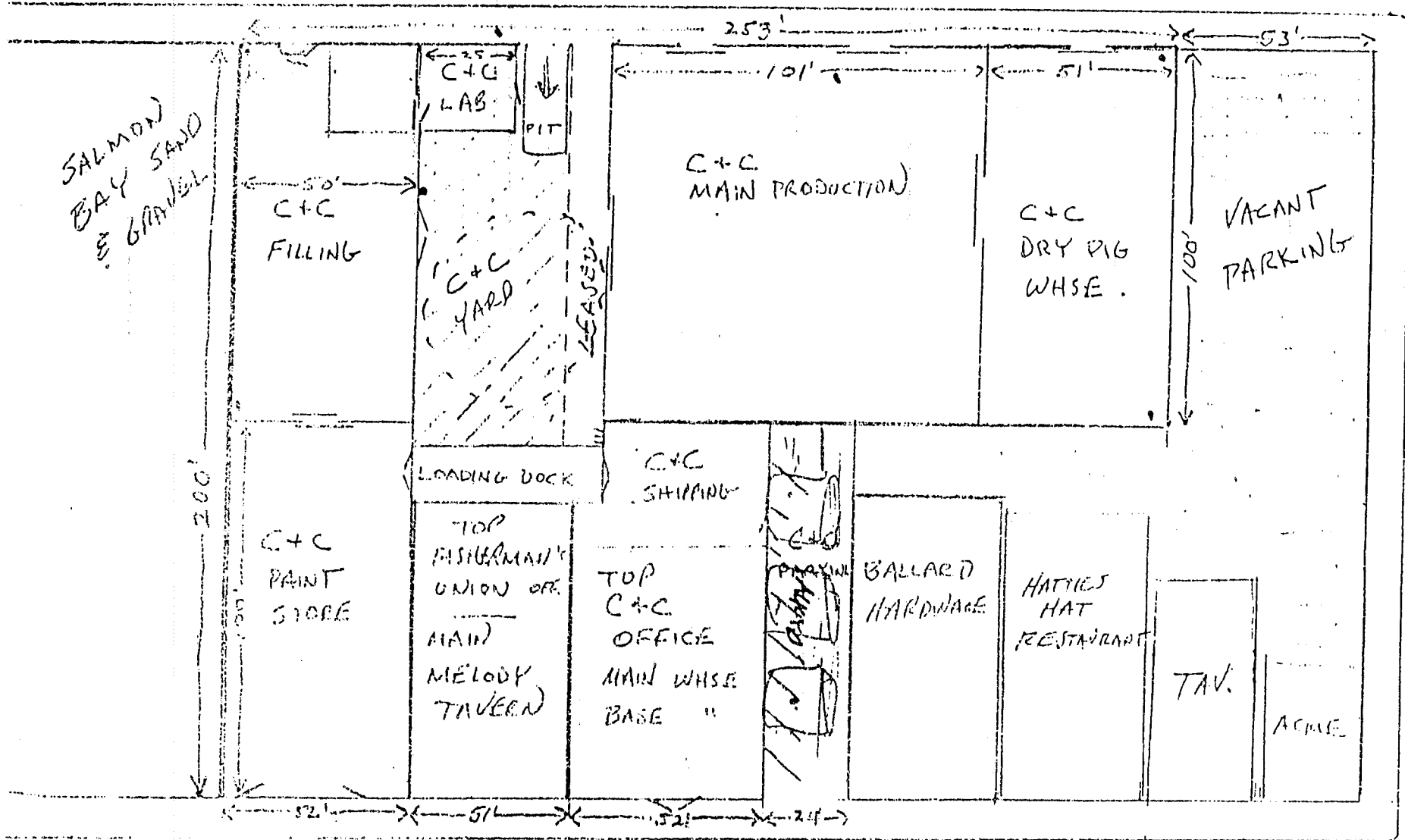
+
B6
TEST BORING

SITE PLAN
C&C Paints
Seattle, Washington

Columbia Environmental, Inc.
Project Number 95603-2
April 1997



SHILSHOLE AVE. N.W.



N.W. VERNON PLACE

BALLARD AVE. N.W.

SCALE: 1/10" = 4'

Appendix B.
OnSite Laboratory Report



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services

October 20, 2000

Michael Lam
Nowicki & Associates
33516 9th Avenue S, Building 6
Federal Way, WA 98003

Re: Analytical Data for Project C & C Paint
Laboratory Reference No. 0010-104

Dear Michael:

Enclosed are the analytical results and associated quality control data for samples submitted on October 11, 2000.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Gx/BTEX

Date Extracted: 10-16&17-00
Date Analyzed: 10-16&17-00

Matrix: Water
Units: ug/L (ppb)

Client ID:	MW1	MW2
Lab ID:	10-104-01	10-104-02

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		100	ND		1.0
Toluene	120		100	36		1.0
Ethyl Benzene	16000		1000	ND		1.0
m,p-Xylene	62000		1000	ND		1.0
o-Xylene	8100		100	ND		1.0
TPH-Gas	410000	T	10000	130	T	100
Surrogate Recovery:						
Fluorobenzene	94%			95%		

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Gx/BTEX

Date Extracted: 10-16-00
Date Analyzed: 10-16-00

Matrix: Water
Units: ug/L (ppb)

Client ID:	MW3	MW4
Lab ID:	10-104-03	10-104-04

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		1.0	ND		1.0
Toluene	ND		1.0	ND		1.0
Ethyl Benzene	ND		1.0	37		1.0
m,p-Xylene	1.6		1.0	30		1.0
o-Xylene	ND		1.0	ND		1.0
TPH-Gas	ND		100	680		100
Surrogate Recovery:						
Fluorobenzene	100%			100%		

Date of Report: October 20, 2000
 Samples Submitted: October 11, 2000
 Lab Traveler: 10-104
 Project: C & C Paint

NWTPH-Gx/BTEX

Date Extracted: 10-16-00
 Date Analyzed: 10-16-00

Matrix: Water
 Units: ug/L (ppb)

Client ID:	MW5	MW6
Lab ID:	10-104-05	10-104-06

	Result	Flags	PQL	Result	Flags	PQL
Benzene	1.1		1.0	1.9		1.0
Toluene	ND		1.0	ND		1.0
Ethyl Benzene	1.0		1.0	ND		1.0
m,p-Xylene	4.9		1.0	1.7		1.0
o-Xylene	ND		1.0	ND		1.0
TPH-Gas	200	T	100	840		100
Surrogate Recovery:						
Fluorobenzene	95%			97%		

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Gx/BTEX

Date Extracted: 10-16&17-00
Date Analyzed: 10-16&17-00

Matrix: Water
Units: ug/L (ppb)

Client ID: **MW7**
Lab ID: 10-104-07

MW8
10-104-08

	Result	Flags	PQL	Result	Flags	PQL
Benzene	1.2		1.0	ND		1.0
Toluene	ND		1.0	ND		1.0
Ethyl Benzene	190		10	ND		1.0
m,p-Xylene	360		10	ND		1.0
o-Xylene	ND		1.0	ND		1.0
TPH-Gas	4300		100	ND		100
Surrogate Recovery:						
Fluorobenzene	91%			98%		

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Gx/BTEX

Date Extracted: 10-16-00
Date Analyzed: 10-16-00

Matrix: Water
Units: ug/L (ppb)

Client ID:	MW9	MW10
Lab ID:	10-104-09	10-104-10

	Result	Flags	PQL	Result	Flags	PQL
Benzene	ND		1.0	ND		1.0
Toluene	ND		1.0	ND		1.0
Ethyl Benzene	ND		1.0	ND		1.0
m,p-Xylene	ND		1.0	ND		1.0
o-Xylene	ND		1.0	ND		1.0
TPH-Gas	ND		100	ND		100
Surrogate Recovery:						
Fluorobenzene	100%			96%		

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

**NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL**

Date Extracted: 10-16-00

Date Analyzed: 10-16-00

Matrix: Water

Units: ug/L (ppb)

Lab ID: MB1016W1

	Result	Flags	PQL
Benzene	ND		1.0
Toluene	ND		1.0
Ethyl Benzene	ND		1.0
m,p-Xylene	ND		1.0
o-Xylene	ND		1.0
TPH-Gas	ND		100
Surrogate Recovery:			
Fluorobenzene	99%		

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

**NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL**

Date Extracted: 10-17-00

Date Analyzed: 10-17-00

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1017W1

	Result	Flags	PQL
Benzene	ND		1.0
Toluene	ND		1.0
Ethyl Benzene	ND		1.0
m,p-Xylene	ND		1.0
o-Xylene	ND		1.0
TPH-Gas	ND		100

Surrogate Recovery:
~~Fluorobenzene~~ 93%

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

**NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL**

Date Extracted: 10-16-00
Date Analyzed: 10-16-00

Matrix: Water
Units: ug/L (ppb)

Lab ID:	10-104-04 Original	10-104-04 Duplicate	RPD	Flags
Benzene	ND	ND	NA	
Toluene	ND	ND	NA	
Ethyl Benzene	36.7	36.1	1.7	
m,p-Xylene	30.4	30.3	0.23	
o-Xylene	ND	ND	NA	
TPH-Gas	682	674	1.2	
Surrogate Recovery: Fluorobenzene	100%	96%		

Date of Report: October 20, 2000
 Samples Submitted: October 11, 2000
 Lab Traveler: 10-104
 Project: C & C Paint

**NWTPH-Gx/BTEX
 MS/MSD QUALITY CONTROL**

Date Extracted: 10-16-00
 Date Analyzed: 10-16-00

Matrix: Water
 Units: ug/L (ppb)

Spike Level: 50.0 ppb

Lab ID:	10-104-04 MS	Percent Recovery	10-104-04 MSD	Percent Recovery	RPD	Flags
Benzene	52.8	106	54.2	108	2.7	
Toluene	52.5	105	53.9	108	2.6	
Ethyl Benzene	87.2	101	88.5	104	1.5	
m,p-Xylene	81.2	102	82.2	104	1.3	
o-Xylene	52.0	104	53.3	107	2.5	
Surrogate Recovery:						
Fluorobenzene	100%		98%			

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Dx

Date Extracted: 10-16-00
Date Analyzed: 10-17-00

Matrix: Water
Units: mg/L (ppm)

Client ID: MW1
Lab ID: 10-104-01

Diesel Fuel: 1.1
PQL: 0.25

Heavy Oil: 0.95
PQL: 0.50

Surrogate Recovery:
o-Terphenyl 95%

Flags:

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-16-00
Date Analyzed: 10-16-00

Matrix: Water
Units: mg/L (ppm)

Lab ID: MB1016W1

Diesel Fuel: ND
PQL: 0.25

Heavy Oil: ND
PQL: 0.50

Surrogate Recovery:
o-Terphenyl 120%

Flags:

Date of Report: October 20, 2000
Samples Submitted: October 11, 2000
Lab Traveler: 10-104
Project: C & C Paint

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-16-00
Date Analyzed: 10-16-00

Matrix: Water
Units: mg/L (ppm)

Lab ID: 10-131-04 10-131-04 DUP

Diesel Fuel: ND ND
PQL: 0.25 0.25

RPD: N/A

Surrogate Recovery:
o-Terphenyl 101% 110%

Flags:



DATA QUALIFIERS AND ABBREVIATIONS

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- D - Data from 1:____ dilution.
- E - The value reported exceeds the quantitation range, and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- G - Insufficient sample quantity for duplicate analysis.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- O - Hydrocarbons outside the defined gasoline range are present in the sample; NWTPH-Dx recommended.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical gas.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a silica gel cleanup procedure.
- Y - Sample extract treated with an acid cleanup procedure.
- Z -
- ND - Not Detected at PQL
- MRL - Method Reporting Limit
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Appendix C.

Summary of Groundwater Data Table 3

Table 3. Summary of Site Data

Well ID	Well El. (ft)	Date	Depth to GW (ft)	GW El (ft)	TPH-Gas (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benz (ppm)	Xylenes (ppm)
MW1	19.72	11/27/95	-	-	24,000	0.93	41	550	855
		1/30/96	4.60	15.11	-	-	-	-	-
		6/20/96	-	-	210	0.0085	0.30	14	226
		9/11/96	5.04	14.68	190	nd	nd	13	58
		12/10/96	4.84	14.88	190	0.007	0.27	14	64
		4/3/97	-	-	190	0.0076	0.26	13	65
		1/31/98	3.97	15.75	310	nd	0.23	15	70
		10/10/00	4.96	14.76	410	nd	0.12	16	70.1
		11/27/95	-	-	nd	nd	nd	0.0066	0.027
MW2	19.74	1/30/96	4.54	15.20	-	-	-	-	-
		6/20/96	4.63	15.11	1.1	-	-	-	-
		9/11/96	5.34	14.40	0.90	nd	0.023	0.079	0.379
		12/10/96	3.14	16.60	nd	nd	nd	0.0011	0.0023
		4/3/97	4.29	15.45	nd	nd	0.0032	nd	nd
		1/31/98	4.33	15.41	nd	nd	nd	nd	nd
		10/10/00	5.02	14.72	0.13	nd	0.036	nd	nd
		11/27/95	-	-	nd	nd	nd	nd	nd
		1/30/96	4.71	15.09	-	-	-	-	-
MW3	19.80	6/20/96	-	-	-	-	-	-	-
		9/11/96	5.27	14.53	-	-	-	-	-
		12/10/96	-	-	-	-	-	-	-
		4/3/97	-	-	-	-	-	-	-
		1/31/98	4.66	15.14	nd	nd	nd	nd	nd
		10/10/00	5.58	14.22	nd	nd	nd	nd	0.0016
		11/27/95	-	-	78	0.004	0.04	4.6	20.8
		1/30/96	5.17	14.83	-	-	-	-	-
		6/20/96	-	-	-	-	-	-	-
MW4	20.00	9/11/96	5.72	14.28	-	-	-	-	-
		12/10/96	-	-	-	-	-	-	-
		4/3/97	-	-	-	-	-	-	-
		1/31/98	4.74	15.26	14	nd	0.003	1.3	3.075
		10/10/00	6.60	13.40	0.68	nd	nd	0.037	0.03
		11/27/95	-	-	28	0.004	0.011	1.5	7.4
		1/30/96	5.19	14.38	-	-	-	-	-
		6/20/96	-	-	-	-	-	-	-
		9/11/96	5.73	13.84	-	-	-	-	-
MW5	19.57	12/10/96	-	-	-	-	-	-	-
		4/3/97	-	-	-	-	-	-	-
		1/31/98	4.81	14.76	1.1	nd	0.0051	0.038	0.211
		10/10/00	5.12	14.45	0.2	0.0011	nd	0.001	0.0049

Table 3 Continued.

Well ID	Well El. (ft)	Date	Depth to GW (ft)	GW El (ft)	TPH-Gas (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benz (ppm)	Xylenes (ppm)
MW6	20.39	1/30/96	4.57	15.82	0.68	0.0035	nd	0.00252	0.112
		6/20/96	-	-	-	-	-	-	-
		9/11/96	3.48	16.91	-	-	-	-	-
		12/10/96	-	-	-	-	-	-	-
		4/3/97	-	-	-	-	-	-	-
		1/31/98	3.86	16.53	0.7	0.0037	nd	nd	0.0017
		10/10/00	3.31	17.08	0.84	0.0019	nd	nd	0.0017
MW7	20.65	1/30/96	2.97	17.68	61	0.002	0.34	3.5	3.2
		6/20/96	2.08	18.57	-	-	-	-	-
		9/11/96	3.11	17.54	-	-	-	-	-
		12/10/96	2.98	17.67	-	-	-	-	-
		4/3/97	2.77	17.88	-	-	-	-	-
		1/31/98	2.38	18.27	31	0.0012	0.0016	1.6	6.486
		10/10/00	3.02	17.63	4.3	0.0012	nd	0.19	0.36
MW8	21.29	1/30/96	3.90	17.39	nd	nd	nd	nd	0.001
		6/20/96	3.94	17.35	nd	-	-	-	-
		9/11/96	4.14	17.15	nd	nd	nd	nd	nd
		12/10/96	3.97	17.32	nd	-	-	-	-
		4/3/97	3.86	17.43	nd	nd	nd	nd	nd
		1/31/98	3.88	17.41	nd	nd	nd	nd	nd
		10/10/00	3.25	18.04	nd	nd	nd	nd	nd
MW9	23.98	1/30/96	4.32	19.66	nd	nd	nd	nd	nd
		6/20/96	4.47	19.51	nd	-	-	-	-
		9/11/96	4.65	19.33	nd	nd	nd	nd	nd
		12/10/96	4.31	19.67	nd	-	-	-	-
		4/3/97	3.96	20.00	nd	nd	nd	nd	nd
		1/31/98	4.23	19.75	nd	nd	nd	nd	nd
		10/10/00	4.25	19.73	nd	nd	nd	nd	nd
MW10	19.89	1/30/96	6.06	13.83	0.93	nd	nd	0.062	.0397
		6/20/96	5.78	14.11	1.1	-	-	-	-
		9/11/96	6.43	13.46	0.58	nd	nd	0.043	0.171
		12/10/96	5.64	14.25	nd	nd	nd	nd	0.0012
		4/3/97	5.81	14.08	nd	nd	nd	0.0021	0.0052
		1/31/98	5.70	14.19	nd	nd	nd	nd	nd
MTCA METHOD A					1.0	0.005	0.04	0.03	0.02

Note: Data prior to 1/31/98 were obtained from Columbia Environmental Inc. Reports.

- ... Denotes data not available.