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3/24
4-23-92
1/21
item (GW)

B & C EQUIPMENT CO.

A Division of PEECO

20320 80th Ave. S.
Kent, Washington 98032
Office (206) 872-8890
FAX (206) 872-8987
1-800-822-0084

April 16, 1992

RECEIVED

APR 20 1992

DEPT. OF ECOLOGY

Washington Department of Ecology
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Attn: Joseph M. Hickey

Re: Cascade Autovon Co., 12727 412th Avenue SE, North Bend, WA.
Monitoring Well Quarterly Sampling Event.

Dear Mr. Hickey:

On February 27 and 28, 1992, B & C Equipment drilled (3) monitoring wells at the locations depicted in the enclosed illustration. Due to river bed deposits below a depth of 8 feet as revealed in B & C's previous environmental investigation (refer to Subsurface Conditions Section of B & C's 11/12/91 report), all 3 wells were developed using an "Odex" rotary drilling bit. Therefore, the subsurface conditions at each monitoring well could not be logged.

Each monitoring well was constructed to a total depth of 25 feet. The wells were installed with 20 feet of 4" screened PVC and topped with 5 feet of blank PVC. The sand pack was filled to an elevation 2 feet above the top of the screened casing in each well. The remainder of the wells were filled with bentonite plug before a concrete seal was poured and the well monuments installed.

Enclosed are the analytical results from the 1st quarterly sampling event for Cascade Autovon Co. The monitoring well designation on the chain of custody (i.e. MW-1, MW-2, MW-3) is the same well identification as pertains to the enclosed illustration. All 3 monitoring wells were analyzed for total petroleum hydrocarbons (TPH) by EPA Modified Method 8015 and benzene, toluene, ethyl benzene, and xylene (BTEX) by EPA method 8020. As the results confirm, both the TPH and BTEX parameters revealed non-detectable levels for all 3 wells.

Prior to sampling, depth to water measurements were taken to determine the volume in each well. Since the well monuments were not as yet installed at the time of the March 11th sampling event, depth to water measurements and the well elevations were surveyed using the top of casing for each well as a reference point. The illustration conveys relative groundwater elevations using 100.00' as the top of casing elevation of MW-2 (highest well casing). The wells will be resurveyed during B & C's 2nd quarterly sampling using the well monuments as the fixed elevation reference point.

All three wells were developed prior to sampling by purging "at least" (3) casing volumes of water from each source. Previous to purging the wells, a submersible extension hand pump was thoroughly rinsed with water, washed withalconox detergent, and once again rinsed with water to remove any possible contaminants that may have remained on the pump. The sample was collected at each location with a stainless steel bailer using the same cleansing procedure as was used for the pump. This procedure was followed for each sampling station.

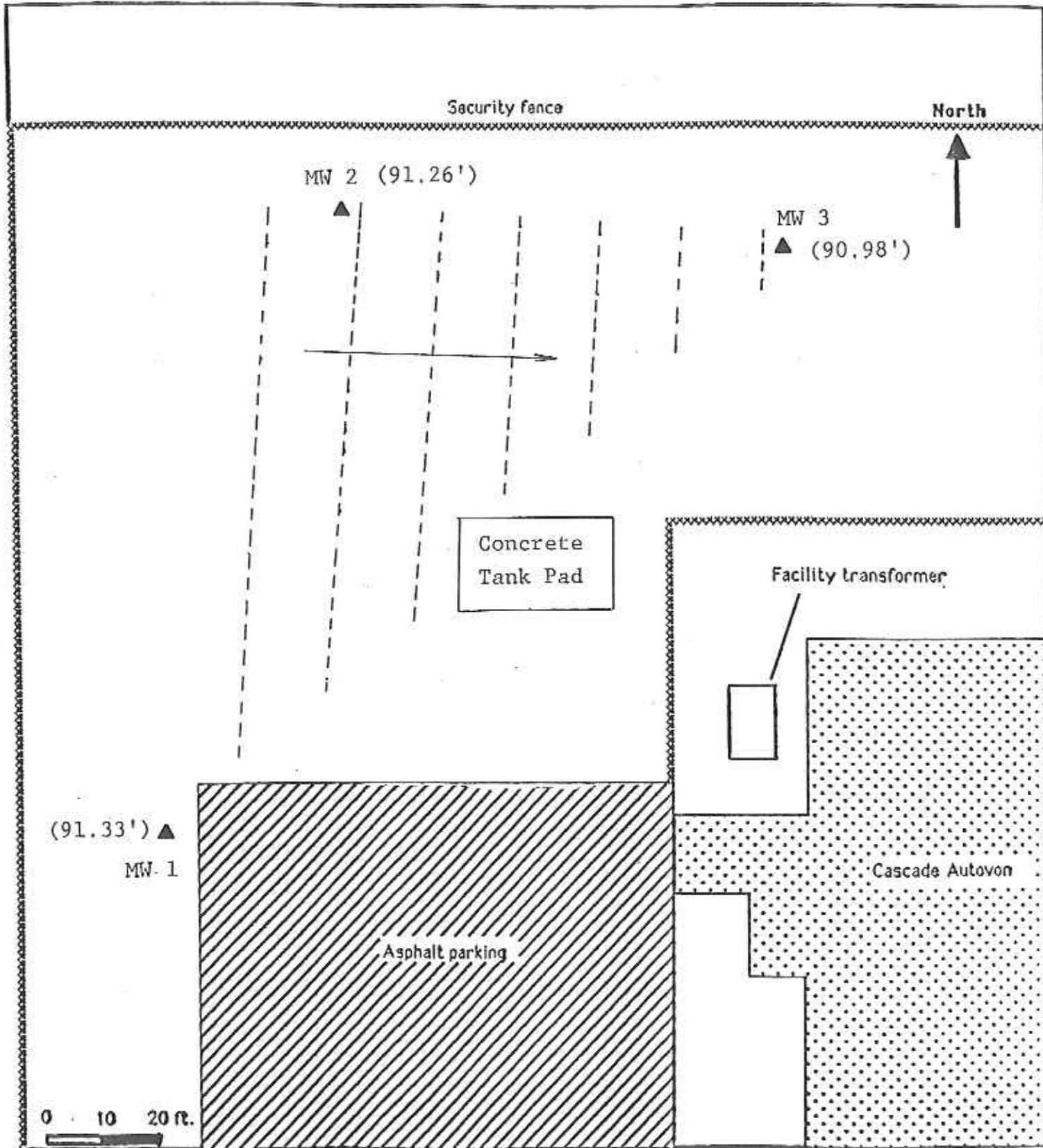
If you have any questions, please don't hesitate to contact me.


Sincerely,
B & C EQUIPMENT CO.

Barry D. DePan

Barry D. DePan
Environmental Specialist

cc: John Reeves, Cascade Autovon Co.
Bill Knutson, PEMCO



Cascade Autovon Co. 12727 412th Ave.S.E. North Bend, WA 98045	KEY		 B & C	
	▲	Monitor Well # and location.		Job # 1342
	→	Groundwater gradient		Date: 3/11/92
	-----	Contour Interval = 0.05'	Barry DePan	



B & C EQUIPMENT CO.
A Division of RECO

20020 80th Ave. S.
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1-800-822-0004

CHAIN OF CUSTODY
REQUEST FOR LABORATORY ANALYSIS

PROJ. NO. 1341-905		PROJECT NAME: Cascade Autovon			SAMPLER Barry De Pan															
ADDRESS:		12727 412th Ave. SE North Bend, WA 98045																		
SAMPLE NUMBER	DATE	TIME	Water	Soil	Sludge	Ice	SAMPLE LOCATION TANK SIZE & PRODUCT	Depth	BTEX 602/8020	WTPH-HCID	WTPH-G w/BTEX	WTPH-D	WTPH-418.1 Mod.	TPH 8015 Mod.	Total Pb	PAH 625/8270	Total Halogens 9076	PCB 608/8080	TCLP (As, Cd, Cr, Pb)	TCLP Pb
MW-1	3/11/92	11:00	<input checked="" type="checkbox"/>				Monitor Well #1		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>						
MW-2	3/11	12:45	<input checked="" type="checkbox"/>				Monitor Well #2		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>						
MW-3	3/11	2:00	<input checked="" type="checkbox"/>				Monitor Well #3		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>						
Relinquished by: Barry De Pan		Date	3/11/92	Time	3:15	Received by:	Mary Butters													
Relinquished by:						Received by:		COMMENTS:												
Relinquished by:						Received by:		RUSH: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>												

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: B & C Equipment

Date: March 18, 1992

Report On: Analysis of Water

Lab No.: 23167

IDENTIFICATION:

Sample received on 03-11-92

Project: 1341-905 Cascade Autovon

ANALYSIS:

Lab Sample No.	1	2	3
Client Identification	MW-1	MW-2	MW-3
Units	mg/l	mg/l	mg/l
Benzene	< 0.001	< 0.001	< 0.001
Toluene	< 0.001	< 0.001	< 0.001
Ethyl Benzene	< 0.001	< 0.001	< 0.001
Xylenes	< 0.001	< 0.001	< 0.001
BTEX by EPA SW-846 Method 8020			
Total Petroleum Feul Hydrocarbons by EPA SW-846 Modified Method 8015	< 1.0	< 1.0	< 1.0
<u>SURROGATE RECOVERY, %</u>			
BTEX-Trifluorotoluene	80	83	83
TPH by Mod 8015			
1-Chlorooctane	92	95	87
Perylene	124	109	108

SOUND ANALYTICAL SERVICES


STAN P. PALMQUIST

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

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QUALITY CONTROL REPORT

DUPLICATES

Client: B & C Equipment
Project: 1341-905 Cascade Autovon
Lab No: 23167
Matrix: Water
Units: mg/l
Date: March 18, 1992

METHOD BLANK

Parameter	Blank Value
Benzene	< 0.001
Toluene	0.007
Ethyl Benzene	< 0.001
Xylenes	< 0.001
%Surrogate Recovery Trifluorotoluene	74