B & C EQUIPMENT CO.
A Divison of PEECO

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1-800-822-0084

June 25, 1992

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 2nd Quarterly Sampling Event.

Dear Mr. Hickey:

Enclosed are the analytical results of B & C Equipment's 2nd quarterly sampling event at Cascade Autovon.

On June 12, 1992, the 3 monitoring wells were sampled at the locations delineated in the enclosed illustration. As was the case in B & C Equipment's 1st quarterly sampling event (refer to B & C's 4/16/92 report), the monitoring well designation on the chain of custody is the same well identification as pertains to the drawing. 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 using the monitor well monuments as the fixed referenced point. Elevations were also re-surveyed using the well monuments to determine the on-site groundwater gradient. Figure 1 conveys the groundwater gradient for June 12th in addition to the relative groundwater elevations using 100.00' as the monument elevation of MW-1 (highest monument elevation).

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 with alconox 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.

The current Department of Ecology (DOE) water cleanup standards for the parameters analyzed are:

Total Petroleum Hydrocarbons (TPH)	1000 ppb* = 1.0 ppm
Benzene	5.0 ppb = 0.005 ppm
Toluene	40.0 ppb = 0.04 ppm
Ethyl benzene	30.0 ppb = 0.03 ppm
Xylene	20.0 ppb = 0.02 ppm

*ppb - parts per billion.

Summarized in the following tables are the analytical results from the first (2) quarterly sampling events at Cascade Autovon.

TABLE 1
March 11, 1992

Sample #	TPH	Benzene	Toluene	Ethyl benzene	Xylene
MW-1	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND

TABLE 2
June 12, 1992

Sample #	TPH	Benzene	Toluene	Ethyl benzene	Xylene
MW-1	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND

Note: "ND" denotes non-detected.

TPH detection limit	1.0 ppm (3/11/92)
TPH detection limit	0.75 ppm (6/12/92)
Benzene detection limit	0.001 ppm
Toluene detection limit	0.001 ppm
Ethyl benzene detection limit	0.001 ppm
Xylene detection limit	0.001 ppm

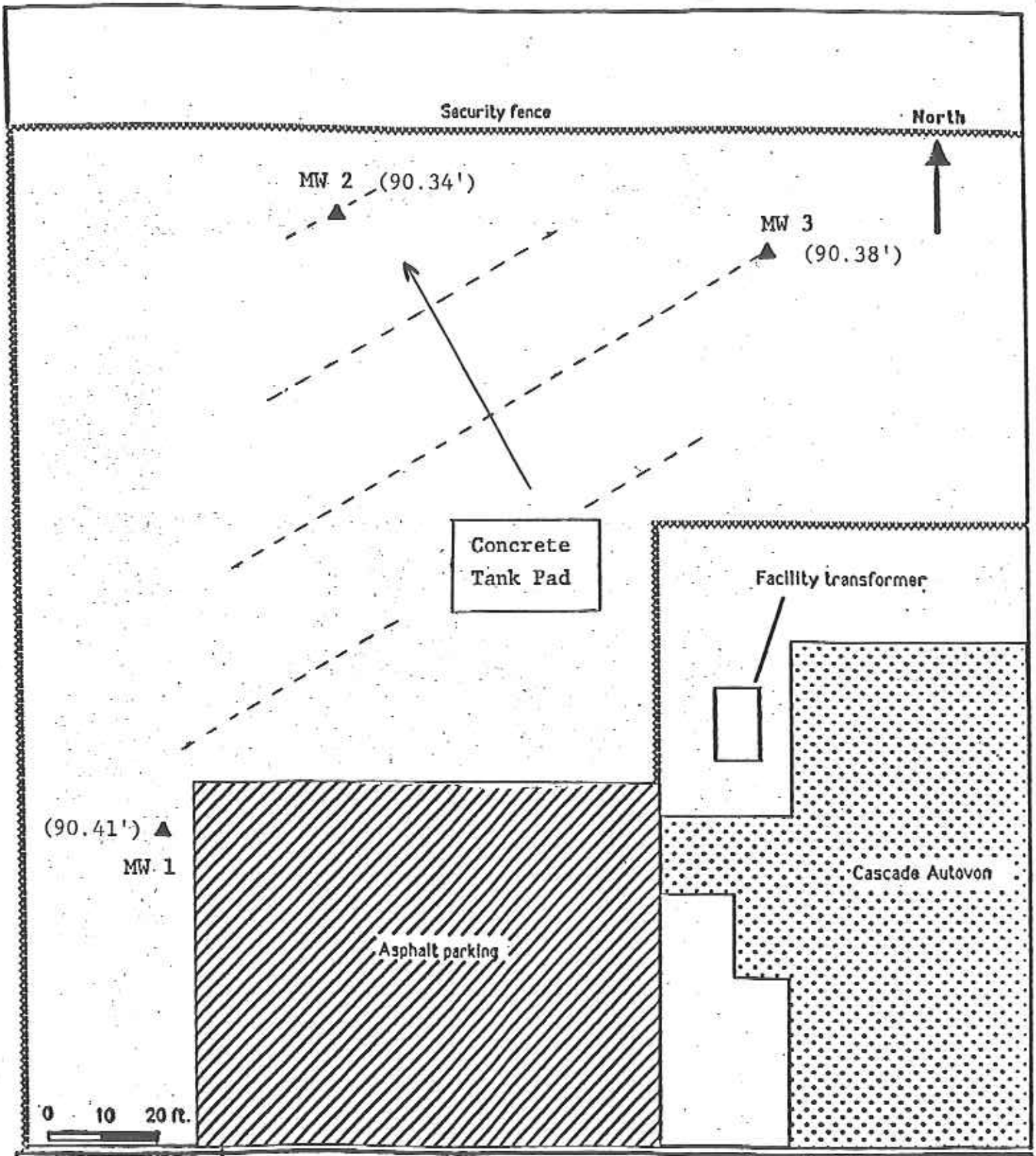
If you have any questions, please don't hesitate to contact me.

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

▲ Monitor Well # and location.

⟶ Groundwater gradient

-----Contour Interval = 0.02'

B & C

Job # 1342

Date: 6/12/92

Barry DePan

B & C EQUIPMENT CO.

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CHAIN OF CUSTODY
REQUEST FOR LABORATORY ANALYSIS

PROJ. NO. 1341-905

PROJECT NAME: Cascade Autovon

ADDRESS: 12727 412th Ave SE North Bend, WA 98045

SAMPLER Barry DeLan

SAMPLE NUMBER	DATE	TIME	Water	Soil	Sludge	Iced	SAMPLE LOCATION TANK SIZE & PRODUCT	Depth	BTEX 602/8020	WTPH-HCID	WTPH-G w/BTEX	WTPH-D	WTPH-418.1 Mod.	TPH 8015 Mod.	TPH 418.1	Chlorinated Solvents 601/8010	Total Halogens 9076	PCB 608/8080	TCLP (As, Cd, Cr, Pb)	TCLP (8 metals)
MW-1	6/12/92	12:00	✓			✓	Monitor Well MW-1	10'	✓					✓						
MW-2	6/12	1:00	✓			✓	" " MW-2	10'	✓					✓						
MW-3	6/12	2:10	✓			✓	" " MW-3	10'	✓					✓						

Relinquished by: Barry D. DeLan	Date 6/12/92	Time 4:25	Received by: Diang	RUSH: YES (NO)
Relinquished by:			Received by:	COMMENTS:
Relinquished by:			Received by:	

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 Co. Date: June 22, 1992

Report On: Analysis of Water Lab No.: 24929

IDENTIFICATION:
Samples received on 06-12-92
Project: 1341-905 Cascade Autovon, 12727 412th Ave SE
North Bend, WA 98045

ANALYSIS:

Lab No. 24929-1 Client ID: MW-1

BTEX by Method 8020
Date Analyzed: 6-15-92

Benzene, mg/l	< 0.001
Toluene, mg/l	< 0.001
Ethyl Benzene, mg/l	< 0.001
Xylenes, mg/l	< 0.001

SURROGATE RECOVERY, %

Trifluorotoluene	75

TPH Per EPA SW-846 Modified Method 8015
Date Extracted: 6-19-92
Date Analyzed: 6-20-92

Total Petroleum Fuel Hydrocarbons, mg/l	< 0.75

SURROGATE RECOVERY, %

1-Chlorooctane	102
Perylene	96

Continued . . . . .

SOUND ANALYTICAL SERVICES, INC.

B & C Equipment Co.
Project: 1341-905

Lab No. 24929
June 22, 1992

Lab No. 24929-2 Client ID: MW-2

BTEX by Method 8020
Date Analyzed: 6-15-92

Benzene, mg/l	< 0.001
Toluene, mg/l	< 0.001
Ethyl Benzene, mg/l	< 0.001
Xylenes, mg/l	< 0.001

SURROGATE RECOVERY, %

Trifluorotoluene	76

TPH Per EPA SW-846 Modified Method 8015
Date Extracted: 6-19-92
Date Analyzed: 6-20-92

Total Petroleum Fuel Hydrocarbons, mg/l	< 0.75

SURROGATE RECOVERY, %

1-Chlorooctane	99
Perylene	97

Continued . . . . .

SOUND ANALYTICAL SERVICES, INC.

B & C Equipment Co.
Project: 1341-905

Lab No. 24929
June 22, 1992

Lab No. 24929-3 Client ID: MW-3

BTEX by Method 8020
Date Analyzed: 6-15-92

Benzene, mg/l	< 0.001
Toluene, mg/l	< 0.001
Ethyl Benzene, mg/l	< 0.001
Xylenes, mg/l	< 0.001

SURROGATE RECOVERY, %

Trifluorotoluene	78

TPH Per EPA SW-846 Modified Method 8015
Date Extracted: 6-19-92
Date Analyzed: 6-20-92

Total Petroleum Fuel Hydrocarbons, mg/l	< 0.75

SURROGATE RECOVERY, %

1-Chlorooctane	105
Perylene	104

SOUND ANALYTICAL SERVICES

MARTY FRENCH