

# B & C EQUIPMENT CO.

A Division of PEECO

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

RECEIVED

MAR 03 1992

DEPT. OF ECOLOGY

February 28, 1992

Joseph M. Hickey  
Washington Department of Ecology  
3190 160th Avenue SE  
Bellevue, Washington 98008-5452

Re: Cascade Autovon Co., 12727 412th Avenue SE North Bend, WA.  
Pumping and treatment of UST tank excavation water.

Dear Mr. Hickey:

This letter is to report the procedures followed by B & C Equipment Co. in regard to the pumping and water treatment operation of standing water at Cascade Autovon. This operation was performed to enable B & C to install the site's new diesel UST in the existing tank excavation.

On Jan. 14, 1992, B & C Equipment began pumping all water from the tank excavation into an on-site Baker Tank. The pumping operation was performed to enable B & C to backfill the excavation with a rock quarry base as a support for the sidewalls of the excavation. B & C treated all water from this initial pumping operation utilizing a WSU-1000 carbon absorption treatment system upon the consultation of Dave Garland from the DOE's regional office, and following guidelines requested by the Dept of Land Development, Dept. of Surface Water Management, Dept. of Erosion Control and the King County Department of Public Works.

All water treated through the carbon absorption system was discharged to Cascade's drainage ditch since the property has no storm drain or sanitary sewer system. The direction of flow from this ditch is in a northward direction toward a vacant field where the water finally infiltrates into the native soil. The treated water from the carbon absorption system was continuously monitored for any signs of hydrocarbon breakthrough throughout B & C's pumping operation.

On Jan. 15, 1992, one water sample was collected from the discharge end of the treatment system to document the levels of concentration that were being discharged. This sample was analyzed for total petroleum hydrocarbons (TPH) by Modified 8015 and for benzene, toluene, ethyl benzene, and xylene (BTEX). Enclosed is the chain of custody and lab results from this discharge sample verifying that all parameters were non-detectable. In the later part of the afternoon on January 15th, hydrocarbon breakthrough was observed

from the discharge end of the treatment system. Pumping and treatment of water from the Baker Tank was immediately halted at this time until the carbon system could be regenerated and cleaned of the petroleum hydrocarbon saturation.

On Jan. 30, 1992, upon return of the treatment system, B & C began the installation of Cascade's UST. During the interim period of waiting for the return of the carbon system, the water table had risen to a level approximately 3 feet below the surface. Due to the large volume of water in the excavation and the rate of groundwater recharge, pumping into the Baker Tank was not a feasible approach to installing the tank. A filter system was installed in the tank excavation using a drum filled with pea gravel to limit sediment discharge during the pumping operation. At this time water was pumped to a topographic depression at the north end of Cascade's property so that the tank installation could proceed. The suction end of the pump siphoned water from the bottom of the excavation through the pea gravel filter. The discharge end was once again continuously monitored for any signs of a sheen or visible evidence of contamination.

At no time during this subsequent pumping operation was any sheen detected. Due to the high water table and groundwater recharge rate, the water table could not be completely lowered during the installation of the tank. Therefore, the new UST was installed in approximately 1 1/2 feet of standing water. The remaining water in the Baker Tank from the original pumping operation was treated through the carbon system after the installation of the tank was completed. Any sediment remaining in the Baker Tank after the water was treated was deposited with the contaminated soil that is presently stockpiled on-site.

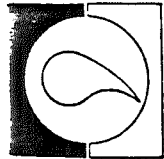
If you have any questions in regard to the installation portion of this project, please don't hesitate to call.

Sincerely,  
B & C EQUIPMENT CO.



Barry D. DePan  
Environmental Specialist

cc: John Reeves - Cascade Autovon  
Bill Knutson - PEMCO



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## CHAIN OF CUSTODY REQUEST FOR LABORATORY ANALYSIS

PROJ. NO. 1341-906		PROJECT NAME: <i>Cascade Autoxon</i>				SAMPLER <i>BARRY DeLan</i>															
ADDRESS: <i>12727 412th Ave SE          North Bend, WA</i>																					
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	
<i>1</i>	<i>1/15/92</i>	<i>3:00</i>	<input checked="" type="checkbox"/>				<i>C-absorption discharge</i>		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>							
Relinquished by: <i>Barry D. DeLan</i>		Date <i>1/17/92</i>	Time <i>11:30</i>	Received by: <i>[Signature]</i>		Date <i>1-17-91</i>	Received by: <i>[Signature]</i>		COMMENTS:												
Relinquished by: <i>[Signature]</i>				Received 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 Co.

Date: January 28, 1992

Report On: Analysis of Water

Lab No.: 22162

IDENTIFICATION:

Sample received on 01-17-92

Project: 1341-906 Cascade Autovon, 12727 - 412th Ave. S.E.  
North Bend, WA

Client ID: #1

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ANALYSIS:

Concentration, mg/l

**BTEX by EPA Method 8020**

Benzene	< 0.001
Toluene	< 0.001
Ethyl Benzene	< 0.001
Xylenes	< 0.001

**SURROGATE RECOVERY:**

BTEX-

Trifluorotoluene % 86

Total Petroleum Fuel Hydrocarbons < 1.0  
by EPA SW-846 Modified Method 8015

**SURROGATE RECOVERY:**

TPH 8015-

1-Chlorooctane, % 118

Perylene, % 119

SOUND ANALYTICAL SERVICES

  
STAN P. PALMQUIST