KLEINFELDER

February 10, 2000
Kleinfelder File Number 60-1996-03

Ms. Gail Colburn
Washington State Department of Ecology
Toxics Cleanup Program
Northwest Regional Office
500 South Main Street, Suite 370
Bellevue, Washington 92868

Subject: **Additional Depth to Water Information**
The Barg French Dry Cleaning Facility
1929 3rd Avenue
Seattle, Washington

Dear Ms. Colburn:

Pursuant to our recent telephone conversations, please find attached a well log indicating the depth to groundwater in close proximity of the above-referenced property. As noted in our previous reports, regional groundwater in the site vicinity was reported to be located at approximately 60 to 70 feet below ground surface (bgs). Due to the dense nature of the soil (glacial till) underlying the subject property and access limitations, we were unable to drill to the reported depth of groundwater. It should be noted that we did use the most powerful limited access drilling rig available (Cascade Drilling), but were still unable to penetrate to depths greater than 30 feet bgs.

The majority of the low levels of PCE-impacted soil identified at the site are located at depths less than 10 feet bgs. One soil sample did detect residual levels of PCE at concentrations well below MTCA Methods A and B cleanup levels at 20 feet bgs and thus we understand that you believe we were unable to prove a minimum 15-foot separation between the impacted soils and groundwater.

Consequently, an extensive search of Ecology records uncovered a well within four blocks of the site. The attached well log indicates that the groundwater is approximately 50 feet bgs. This would indicate that there is at least a 15-foot separation between the impacted soil at the site and the groundwater.

Based on our previous discussions with Mr. Joe Hicky of Ecology, we understand if it can be demonstrated that groundwater has not been impacted, MTCA Method B cleanup level can be applied. The PCE concentrations detected on-site are well below the MTCA Method B cleanup levels and thus we understand that the site will not be listed.

We trust that this additional information will be adequate for you to make a determination as to whether or not the site should be listed. Please do not hesitate to contact us if you have any questions or require additional information.

Sincerely,

KLEINFELDER, INC.

John Lillie
Senior Geologist

Dennis J. O'Neill
Associate

Attachment: Water Well Report

KLEINFELDER 2405 140th Avenue NE Suite A101 Bellevue WA 98005 (425) 562-1200 (425) 562-1201 fax

25/4E/31 H

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ANDERSON DEWATERING
WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

OWNER: Name ..... Address .....

(2) LOCATION OF WELL: County KING — SE ¼ NE ¼ Sec. 31 T. 25 N., R. 4E W.M.
Bearing and distance from section or subdivision corner 1500 BLOCK OF 3RD AVE SEATTLE WA

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☒

(4) TYPE OF WORK: Owner's number of well (if more than one) 1-4
New well ☐ Method: Dug ☐ Bored ☒
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12" inches.
Drilled 70 ft. Depth of completed well 70 ft.

(6) CONSTRUCTION DETAILS: PVC GLUED
Casing installed: 2" Diam. from 0 ft. to 67 ft.
Threaded ☐ ..." Diam. from .... ft. to .... ft.
Welded ☐ ..." Diam. from .... ft. to .... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name .....
Type PVC Model No .....
Diam. 2 Slot size .20 from 67 ft. to 70 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☒ No ☐ Size of gravel COARSE SAND
Gravel placed from 30 ft. to 70 ft.

Surface seal: Yes ☒ No ☐ To what depth? 3 ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ... HP ...

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 52 ft. below top of well Date .....
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
... " " " "
... " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SAND LOAM	0	13
BROWN SAND FINE TO MED WATER AT 32	13	32
GREY SANDY SILT FINE DRY	32	50
GREY SANDY SILT FINE WET	50	70

RECEIVED
MAR 23 1988
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 2-14 19 88 Completed 2-15 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ANDERSON DEWATERING
(Person, firm, or corporation) (Type or print)

Address .....

[Signed] Richard W Jones
(Well Driller)

License No. 0721 Date 3-3 19 88

7/66/131 44

ANDERSON DEWATERING
WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name ..... Address .....

(2) LOCATION OF WELL: County KING SE ¼ NE ¼ Sec. 31 T. 25 N., R. 4E W.M.
Bearing and distance from section or subdivision corner 1500 BLOCK OF 3RD AVE SEATTLE WA

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☒

(4) TYPE OF WORK: Owner's number of well (if more than one) 5-13
New well ☐ Method: Dug ☐ Bored ☒
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 70 ft. Depth of completed well 70 ft.

(6) CONSTRUCTION DETAILS: PVC GLUED
Casing installed: 2 " Diam. from 0 ft. to 67 ft.
Threaded ☐ ____ " Diam. from ____ ft. to ____ ft.
Welded ☐ ____ " Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name .....
Type PVC Model No. .....
Diam. 2 Slot size .020 from 67 ft. to 70 ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes ☒ No ☐ Size of gravel COLOR SAND
Gravel placed from 30 ft. to 70 ft.

Surface seal: Yes ☒ No ☐ To what depth? 3 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ____ Depth of strata ____
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ____ H.P. ____

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ____ ft.
Static level 50 ft. below top of well Date .....
Artesian pressure ____ lbs. per square inch Date .....
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Artesian flow ____ g.p.m. Date .....
Temperature of water .... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SANDY LOAM	0	13
BROWN SAND BROWN FINE TO MED	13	
WATER AT 32 FT		32
GREY SANDY SILT FINE DRY	32	50
GREY SANDY SILT FINE WET	50	70

RECEIVED
MAR 28 1988
DEPARTMENT OF ECOLOGY

Work started 3-15 19 88 Completed 3-22 19 88

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ANDERSON DEWATER INC
(Person, firm, or corporation) (Type or print)
Address .....
[Signed] Richard W Lewis
(Well Driller)
License No. 0721 Date 3-3 19 88