Appendix C

Annual letter from the City of Seattle to local well drillers.

Annual Notice of Groundwater Conditions in Affected Areas Downgradient of the Midway Landfill[1]

The City of Seattle is the owner and previous operator of the Midway Landfill, located north of South 252nd Street between SR-99 and I-5 in Kent, Washington (Figure 1).

Extensive testing of groundwater within and surrounding the landfill area has indicated the presence of various contaminants that do not meet federal drinking water standards (MCLs) or state groundwater standards (MTCA Method B cleanup levels). The affected groundwater monitoring wells downgradient of the Midway Landfill are listed in Table 1 and their locations are shown in Figure 2. A summary of the contaminants of concern and their reported concentrations in groundwater are presented in Table 2. A summary of results for additional parameters is presented in Table 3.

In compliance with a Consent Decree between the City of Seattle and the Washington State Department of Ecology (Ecology), and in accordance with a Record of Decision between the City of Seattle and the United States Environmental Protection Agency (U.S. EPA), Ecology and all appropriate local health districts, water districts, and certified well drillers are hereby notified that no water supply wells are to be constructed or used in the areas of known groundwater contamination listed in Table 1 and shown on Figure 2.

This is an annual notification.

[1] The City will annually notify the Seattle-King County Department of Public Health, Ecology, the local water districts, and locally active well drillers in writing of groundwater conditions in the affected areas downgradient of the landfill.

Table 2. Comparison of Contaminants of Concern in Groundwater to ROD Cleanup Levels

				Upper Gravel Aquifer		Sand Aquifer						Southern Gravel Aquifer					
		Clean up	Round	MW-16	MW-21A	MW-8B	MW-8B (DUP)	MW-17B	MW-17B (DUP)	MW-21B	MW-21B (DUP)	MW-14B	MW-14B (DUP)	MW-20B	MW-23B	MW-29B	MW-30C
Analyte	Units	Level[a]	ID	UP	UP	UP	UP	UP	UP	UP	UP	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN
Manganese	mg/L	2.2	R-45	0.082	0.082	0.176	0.175	0.149	0.151	0.445		1.20		5.42	0.203	1.25	0.753
			R-46					0.144		0.437	0.432	1.08	1.09	5.07	0.192	1.15	
1,2-Dichloroethane	µg/L	5	R-45	1 U	1 U	1 U	1 U	9.2	9.3	1 U		1 U		1 U	4.8	6.3	1 U
			R-46					7.9		1 U	1 U	1 U	1 U	1 U	4	6.5	1 U
Vinyl Chloride	µg/L	0.2*	R-45	0.2 U	0.2 U	0.2 U	0.2 U	0.58	0.59	0.2 U		0.51		0.24	0.62	1.0	0.2 U
			R-46					0.5		0.2 U	0.2 U	0.5	0.54	0.24	0.73	1.2	0.22

ROD= Record of decision

R-45= Round 45, May 2004

R-46= Round 46, November 2004

a = Clean up levels established in the Final EPA Record of Decision for the Midway Landfill Site, September 6, 2000.

[ ] = Exceeds cleanup level established in the Final EPA Record of Decision for the Midway Landfill, September 6, 2000.

U = Indicates the compound was undetected at the reported concentration

DUP= Duplicate.

* The actual cleanup level in the ROD (USEPA 2000) is 0.02 µg/L. However, pursuant to WAC 173-340-707(2), Ecology utilizes the practical quantitation limit (PQL) of 0.2 µg/L to determine compliance with this cleanup standard because the cleanup standard is lower than the PQL.

Notes: Up or Down in column title denotes whether the well is located upgradient or downgradient of the landfill's influence.

Table 3. Summary of Detected Groundwater Quality Parameters Not Included in the ROD and Comparison to Regulatory Standards (continued)

Analyte	Units	MCL[a]	MTCA B[b]	Round ID	Upper Gravel Aquifer				Sand Aquifer[c]												Southern Gravel Aquifer											
					MW-16		MW-21A		MW-8B		MW-8B (DUP)		MW-17B		MW-17B (DUP)		MW-21B		MW-21B (DUP)		MW-14B		MW-14B (DUP)		MW-20B		MW-23B		MW-29B		MW-30C	
					UP		UP		UP		UP		UP		UP		UP		UP		DOWN		DOWN		DOWN		DOWN		DOWN		DOWN	
Volatile Organics (continued)																																
Chloroethane	µg/L			R-45	1	U	1	U	1	U	1	U	6.7		8.1		1	U			1	U			1	U	1	U	1	U	1	U
				R-46									5				1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
PCE	µg/L	5*	0.858	R-45	1	U	1	U	1	U	1	U	1	U	1	U	82				1	U			1	U	1	U	1	U	1	U
				R-46									1	U			100		100		1	U	1	U	1	U	1	U	1	U	1	U
TCE	µg/L	5*	3.98	R-45	1	U	1	U	1	U	1	U	1	U	1	U	4.2				1	U			1	U	1	U	1	U	1	U
				R-46									1	U			4.4		4.3		1	U	1	U	1	U	1	U	1	U	1	U
Trichlorofluoro-methane	µg/L		2400	R-45	1	U	3.8		1	U	1	U	1	U	1	U	6.7				1	U			1	U	1	U	1	U	1	U
				R-46									1	U			7.2		7.5		1	U	1	U	1	U	1	U	1	U	1	U

= Exceeds Federal MCLs or MTCA Method B Groundwater Cleanup Level.

* = Primary MCL Standards; EPA National Primary Drinking Water Regulations (40 CFR 141 59 FR 34322).

** = Secondary MCL Standards; EPA National Primary Drinking Water Regulations (40 CFR 141 59 FR 34322).

[a] = MCL/Federal maximum contaminant level.

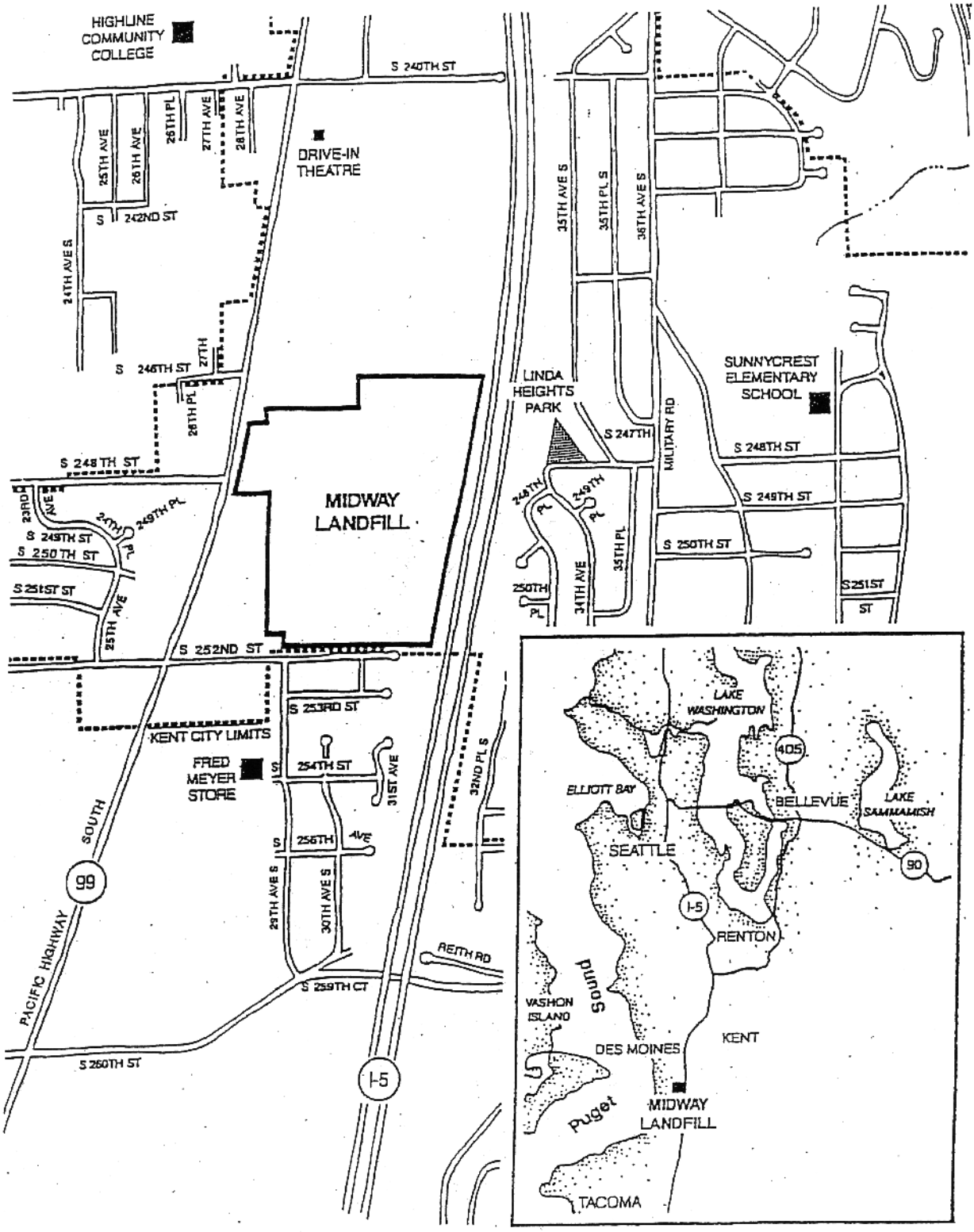
[b] = MTCA B/Model Toxics Control Act (WAC 173-340) Method B Cleanup Level. CLARC II Database, Ecology, February 1996.

[c] = Downgradient wells MW-20A and MW-23A not sampled due to the wells being dry or insufficient water for sample collection.

U = Indicates the compound was undetected at the reported concentration.

DUP= Duplicate.

Note: Up or Down in column title denotes whether the well is located upgradient or downgradient of the landfill's influence.



Parametrix, Inc. Midway Landfill/555-1550-039(01AR) 8/01 (K)

SCALE IN FEET

0 50 100

N

Figure 1
Site Location Map
Midway Landfill
Kent, Washington

ANNUAL MIDWAY DRILLER NOTIFICATION MAILING LIST

Highline Water District
23828 30th Avenue South
Kent, Washington 98032-2821

Lakehaven Utility District
P. O. Box 4249
Federal Way, WA, 98063

Victor R. Kring
802 11th Avenue
Milton, WA 98354

Sean W. Donnan
19511 226th Avenue NE
Woodinville, WA 98072

Curt R. Thompson
6524 31st Avenue NE
Seattle, WA 98115

Jeffrey R. Cross
20417 25th Lane South
Seatac, WA 98198

Paul D. Riley
10728 Lake City Way NE
Seattle, WA 98125

Roy Egon Jensen
8805NE 186th Place
Bothell, WA 98011

Douglas L Ewen
6260 139th Avenue NE #75
Redmond, WA 98052

Paul D Lodder
3644 Manchester Way
Kent, WA 98032

John Murnane
Cascade Drilling, Inc.
13528 34th Avenue South
Seattle, WA 98168

Chad N Gregory
Gregory Drilling, Inc.
17609 NE 70th Street
Redmond, WA 98052

Jack W Richardson
Cable Tool Well Drilling
11723 194th Avenue NE
Redmond, WA 98053

Alan P Morek
A & J Drilling
10410 NE 142nd Street
Bothell, WA 98011

Henry W Brenniman
13026 96th Place NE
Kirkland, WA 98034-2754

Nick Fadich
CN Drilling
204 NW 58th
Seattle, WA 98107

Jay A Graham
Holocene Drilling Company
6606 304th Street East
Graham, WA 98038

Jeffrey D Davies
Davies Drilling
15845 16th Avenue SW
Seattle, WA 98166