

Table 1. Newcastle Demolition Landfill February 2007 Groundwater Monitoring Results

Analyte	Units	GWQS	MCL	MW-1 2/23/2007	MW-2 2/23/2007	MW-3 2/22/2007	MW-5 2/23/2007	MW-5D 2/23/2007	SW-6 2/22/2007	SW-7 2/22/2007
<b>Field Parameters</b>										
pH	s.u.	6.5-8.5 **		7.14	7.20	7.17	6.68	--	7.46	8.12
Specific Conductivity	µmhos/cm		700 **	886	798	770	603	--	922	312
Temperature (C)	C			9.42	10.43	10.97	12.17	--	11.79	7.67
Dissolved Oxygen	mg/L			1.05	0.46	0.73	0.23	--	9.73	11.49
<b>Conventional Parameters</b>										
Ammonia-N	mg/L			0.093	0.725	0.426	0.048	0.054	0.164	0.034
Chloride	mg/L	250 **	250 **	3.5	15.6	7.8	6.0	6.0	5.0	5.4
COD	mg/L			5.00 U	10.5	5.00 U	5.00 U	5.06	5.00 U	9.45
Hardness	mg/L			500	330	120	290	290	350	110
Nitrate-N	mg/L	10 *	10 *	0.011	0.125	0.026	0.014	0.015	0.090	0.999
Nitrate-Nitrite	mg/L			0.011	0.125	0.026	0.014	0.015	0.090	1.01
Nitrite-N	mg/L		1 *	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.011
Sulfate	mg/L	250 **	250 **	254	14.2	24.0	17.2	17.2	35.2	9.2
TDS	mg/L	500 **	500 **	667	488	506	391	423	586	114
TOC	mg/L			1.50 U	5.07	3.84	2.29	2.19	1.73	3.43
<b>Dissolved Metals</b>										
Calcium	mg/L			133	81.4	26.1	66.1	66.7	71.0	25.9
Iron	mg/L	0.3 **	0.3 **	1.43	1.37	1.59	4.01	4.06	0.92	0.23
Magnesium	mg/L			40.1	30.8	14.3	29.9	29.9	42.1	12.0
Manganese	mg/L	0.05 **	0.05 **	0.103	0.195	0.037	0.476	0.475	0.396	0.057
Zinc	mg/L	5 **	5 **	0.006 U	0.006 U	0.006 U	0.006 U	0.008	0.006 U	0.006 U

**Notes:**

GWQS = Water Quality Standards for Ground Waters of the State of Washington (173-200 WAC)

MCL = Maximum Contaminant Level, Washington State Drinking Water Regulations (Chapter 246-290 WAC)

\* = Primary contaminant criteria

\*\* = Secondary contaminant criteria

\*\*\* = Carcinogenic contaminant criteria

█ = Exceeds GWQS or MCL

U = Compound undetected at the specified reporting limit

-- = Not analyzed

