

Table 1. Newcastle Demolition Landfill April 2006 Groundwater Monitoring Results

Analyte	Units	GWQS	MCL	MW-1 4/24/2006	MW-1D 4/24/2006	MW-2 4/24/2006	MW-3 4/24/2006	MW-5 4/24/2006	SW-6 4/24/2006	SW-7 4/24/2006
Field Parameters										
pH	s.u.	6.5-8.5 **		7.19	--	6.81	7.12	6.51	7.17	8.25
Specific Conductivity	µmhos/cm		700 **	807	--	583	811	635	941.9	427
Temperature (C)	C			10.75	--	11.35	13.54	15.97	12.25	13.51
Dissolved Oxygen	mg/L									
Conventional Parameters										
Ammonia-N	mg/L			0.100	0.092	0.536	0.514	0.076	0.184	0.053
Chloride	mg/L	250 **	250 **	3.3	3.3	11.1	7.4	6.4	5.0	4.2
COD	mg/L			5.00 U	5.00 U	11.8	7.84	9.84	5.00 U	6.84
Hardness	mg/L			480	480	240	140	330	390	170
Nitrate-N	mg/L	10 *	10 *	0.011	0.010	0.031	0.010 U	0.017	0.030	0.749
Nitrate-Nitrite	mg/L			0.011	0.010	0.031	0.010 U	0.017	0.030	0.749
Nitrite-N	mg/L		1 *	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Sulfate	mg/L	250 **	250 **	239	240	8.3	39.7	119	192	77.4
TDS	mg/L	500 **	500 **	584	588	336	502	383	593	286
TOC	mg/L			1.50 U	1.50 U	3.43	3.18	1.91	1.50 U	2.15
Dissolved Metals										
Calcium	mg/L			128	128	62.1	28.9	77.9	78.6	36.5
Iron	mg/L	0.3 **	0.3 **	1.24	1.25	1.02	2.19	4.55	0.81	0.07
Magnesium	mg/L			38.4	38.6	21.9	15.5	33.4	46.3	19.1
Manganese	mg/L	0.05 **	0.05 **	0.101	0.102	0.229	0.069	0.511	0.441	0.056
Zinc	mg/L	5 **	5 **	0.006 U	0.006 U	0.021	0.006 U	0.006	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