

GROUND WATER QUALITY, WELL # 1 - DOWN STREAM OF LANDFILL: 2013-2015							
Parameter	Units	Base Line	Semester 1 2014	Semester 2 2014	Quarter 1 2015	Semester 1 2015	Semester 2 2015
		16/07/2013	11/01/2014	05/09/2014	20/02/2015	26/06/2015	12/01/2016
Total Coliforms	MPN/100m	1.20E+01	3.00E+00	<3	<3	4.30E+02	9.30E+01
Fecal Coliforms	MPN/100m	<3	3.00E+00	<3	<3	4.30E+02	9.30E+01
pH		5.98	5.97	5.74	5.95	5.90	6.31
Temperature	°C	29.60	27.50	31.30	25.80	28.30	27.00
Conductivity	µS/cm	942.67	771.00	448.00	836.00	321.00	29.03
Chloride	mg/L	30.81	21.75	11.95	15.82	10.93	13.03
Total Hardness	mg/L	413.22	358.85	205.09	511.46	148.94	74.77
Color *	Pt-Co	<5.0	< 5.0	<5.0	< 5.0	<10	<10
<b>Dissolved Oxygen *</b>	mg/L	4.44	5.41	5.20	4.37	3.92	6.63
<b>Biochemical Oxygen Demand</b>	mg/L	2.47	< 2.12	4.31	< 2.12	<2.12	2.12
<b>Chemical Oxygen Demand</b>	mg/L	14.00	16.34	24.34	< 8.00	<8.00	28.08
Total Suspended Solids	mg/L	9.00	< 6.00	<6.00	< 6.00	7.96	24.10
Total Dissolved Solids	mg/L	739.07	644.13	352.08	422.78	227.98	162.68
<b>Nitrates</b>	mg/L	1.22	0.11	0.11	< 0.1	<0.1	0.26
Fats and Oils	mg/L	<3.98	< 3.98	<3.98	< 3.98	<3.98	9.60
Arsenic	mg/L	ND	N.D.	<0.0010	< 0.0010	<0.0010	<0.0010
Cadmium	mg/L	ND	N.D.	<0.020	< 0.050	<0.020	<0.020
Copper	mg/L		0.00590				
Hexavalent Chromium	mg/L	ND	N.D.	<0.05	< 0.05	<0.050	<0.1
Phenol	mg/L	0.00560	0.01160	<0.01	< 0.01	<0.01	0.01350
Iron	mg/L	1.09500	0.58580	0.64600	0.50900	0.11400	0.29000
Mercury	mg/L	0.00010	0.00010	<0.0005	< 0.0005	<0.0005	<0.0005
Lead	mg/L	ND	N.D.	<0.100	< 0.100	<0.100	<0.100
Sodium	mg/L		16.60000	9.05200	10.54300	25.51000	11.95000
Manganese	mg/L			<0.050	<0.050	<0.050	<0.050
Boron	mg/L	0.04830		<0.1	< 0.1		0.60000