

GROUND WATER QUALITY, WELL # 4 - UPSTREAM 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	<3	3.00E+00	2.40E+03	3.00E+00		<30
Fecal Coliforms	MPN/100m	<3	< 3	2.40E+03	3.00E+00		<30
pH		6.91	7.23	7.42	7.94	6.50	6.52
Temperature	°C	29.20	28.40	29.30	26.80	28.30	27.00
Conductivity	µS/cm	3,286.67	3,505.00	3,646.67	3,826.67	3,870.00	29.53
Chloride	mg/L	311.60	353.44	382.50	411.29	464.51	18.04
Total Hardness	mg/L	1,859.67	1,741.09	2,134.72	2,303.81	2,010.86	76.41
Color *	Pt-Co	<5.0	< 5	5.00	< 5.0	<10	<10
<b>Dissolved Oxygen *</b>	mg/L	0.00	0.00	3.43	5.59	4.02	3.72
<b>Biochemical Oxygen Demand</b>	mg/L	90.01	82.15	3.63	< 2.12	<2.12	2.37
<b>Chemical Oxygen Demand</b>	mg/L	338.00	166.95	36.54	28.56	9.62	18.72
Total Suspended Solids	mg/L	11.00	7.00	35.96	41.17	42,81	23.10
Total Dissolved Solids	mg/L	3,003.30	3,210.64	3,587.69	3,683.47	3,447.48	153.64
<b>Nitrates</b>	mg/L	0.10	< 0.10	0.16	0.51	0.67	3.17
Fats and Oils	mg/L	<3.98	< 3.98	<3.98	< 3.98	<3.98	7.62
Arsenic	mg/L	ND	N.D.	<0.0010	< 0.0010	<0.0010	<0.0010
Cadmium	mg/L	ND	N.D.	<0.020	0.05000	<0.020	<0.020
Copper	mg/L		0.00540				
Hexavalent Chromium	mg/L	ND	N.D.	<0.05	< 0.05	<0.05	<0.1
Phenol	mg/L	0.00620	0.01180	<0.01	< 0.01	<0.01	<0.01
Iron	mg/L	0.18050	0.29620	0.60700	0.23800	0.46700	0.31000
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		163.30000	158.69000	92.40900	364.74000	13.77000
Manganese	mg/L			<0.050	< 0.050	<0.050	<0.05
Boron	mg/L	0.38500		<0.1	< 0.1		0.47000