

GROUND WATER QUALITY, WELL # 3 -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	2.40E+02	< 3	2.40E+03	< 3	4.60E+03	2.30E+02
Fecal Coliforms	MPN/100m	<3	< 3	2.40E+03	< 3	4.60E+03	<30
pH		6.41	6.84	7.15	6.94	6.76	6.83
Temperature	°C	31.30	30.90	29.30	28.80	29.90	28.00
Conductivity	µS/cm	3,180.00	3,000.00	3,773.33	3,290.00	2,830.00	172.00
Chloride	mg/L	46.97	44.98	39.33	46.96	36.76	32.58
Total Hardness	mg/L	2,065.11	2,048.07	2,137.54	2,703.41	1,626.82	1,066.81
Color *	Pt-Co	<5	< 5	<5.0	< 5.0	<10	<10
<b>Dissolved Oxygen *</b>	mg/L	0.30	1.20	4.41	4.37	2.81	4.72
<b>Biochemical Oxygen Demand</b>	mg/L	2.95	< 2.12	2.63	< 2.12	<2.12	3.55
<b>Chemical Oxygen Demand</b>	mg/L	29.00	10.59	19.68	< 8.00	<8.00	9.36
Total Suspended Solids	mg/L	6.00	< 6.00	<6.00	7.03	6.97	18.08
Total Dissolved Solids	mg/L	3,023.30	2,835.57	3,246.10	3,158.26	2,581.38	1,605.74
<b>Nitrates</b>	mg/L	<0.1	< 0.10	0.10	< 0.1	1.34	0.73
Fats and Oils	mg/L	<3.98	< 3.98	<3.98	< 3.98	<3.98	34.83
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		0.00380				
Hexavalent Chromium	mg/L	ND	N.D.	<0.05	< 0.05	<0.05	<0.1
Phenol	mg/L	0.00490	0.01030	<0.01	< 0.01	<0.01	0.01100
Iron	mg/L	0.69500	0.51370	0.11300	0.45400	0.13400	0.36300
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		29.30000	24.34000	21.45600	23.26000	14.62000
Manganese	mg/L			<0.050	< 0.050	<0.050	<0.05
Boron	mg/L	0.20330		<0.1	< 0.1		1.08000