

**LEACHATE INFLUENT QUALITY RESULTS, MILE 24 REGIONAL SANITARY LANDFILL: 2013 - 2015**

Parameter	Qtr 4 Dec 2013	Qtr 1 Mar 2014	Qtr 2 Jun 2014	Qtr 3 Sept 2014	Qtr 4 Dec 2014	Qtr 1 Mar 2015	Qtr 2 Jun 2015	Qtr 3 Sept 2015	Qtr 4 Dec 2015	Max.	Min.	Ave.	Units
Total Coliforms	2.40E+05	3.87E+05	2,225.00	2.40E+05	1.03E+04	4.00E+02	1.10E+04	11000	9.00E+01	4.60E+05	9.00E+01	1.51E+05	MPN/100mL
Fecal Coliforms	2.40E+05	3.13E+05	2,225.00	2.40E+05	1.03E+04	4.00E+02	1.10E+04	11000	4.00E+01	4.60E+05	4.00E+01	1.39E+05	MPN/100mL
<b>pH</b>	6.54	6.82	7.79	6.60	7.51	8.09	7.19	7.34	8.47	8.89	6.47	7.10	
Temperature	27.40	31.83	35.95	32.50	30.07	34.60	26.40	33	26.00	38.20	24.40	31.03	°C
<b>Conductivity</b>	2,283.00	3,858.00	3,500.00	2,311.65	4,930.00	4,180.00	8,110.00	7560.00	345.00	8110.00	345.00	3476.28	μS/cm
Chloride	136.80	279.60	300.52	258.44	503.93	529.49	828.82	772.06	426.56	828.82	11.80	330.74	mg/L
Total Hardness	576.76	934.75	587.94	283.65	673.43	307.91	201.75	64.35	230.97	1345.49	64.35	528.40	mg/L
Color *	11.67	23.33	25.00	27.50	35.00	>100	>100	80.0	>100	80.00	5.00	24.40	Pt-Co
<b>Dissolved Oxygen *</b>	0.27	0.00	0.35	0.93	0.10	0.71	0.00	0	0.90	1.47	0.00	0.32	mg/L
<b>Biochemical Oxygen Demand</b>	896.41	145.16	40.01	60.41	106.80	61.34	150.74	119.76	13.38	1964.40	13.38	252.58	mg/L
<b>Chemical Oxygen Demand</b>	1,552.70	610.90	345.73	334.57	615.48	380.78	1,133.52	1206.37	328.26	3435.51	157.74	707.10	mg/L
Total Suspended Solids	123.76	257.41	133.76	95.23	86.50	16.07	82.63	33.14	22.09	521.29	4.05	113.49	mg/L
Total Dissolved Solids	1,686.34	2,129.14	1,598.59	1,062.39	2,733.43	2,208.27	4,265.72	3979.71	1,846.73	4265.72	448.58	1972.12	mg/L
Nitrates	< 0.10	< 0.10	0.11	0.12	0.12	<0.1	<0.1	<0.1	0.10	0.16	0.10	0.12	mg/L
Fats and Oils	< 3.98	11.25	<3.98	<3.98	< 3.98	5.66	4.21	6.28	6.62	11.25	3.98	7.55	mg/L
<b>Ammonia Nitrogen</b>	69.10	160.07	137.81	99.45	249.56	125.65	473.58	388.52	79.56	473.58	19.95	150.33	mg/L
Total Phosphorus	5.40	8.74	<4.00	<4.00	< 4.00	<4.00	5.66	4.38	4.00	12.03	4.00	6.38	mg/L
Arsenic	0.037	0.054	<0.001	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	0.001	0.072	0.001	0.038	mg/L
Boron	0.354	0.616	0.390	<0.1	<0.1	<0.1	0.720	0.230	0.890	1.131	0.174	0.458	mg/L
Cadmium	N.D.	N.D.	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	0.020	0.020	0.020	mg/L
Copper	0.007	0.040	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	0.074	0.007	0.026	mg/L
Hexavalent Chromium	N.D.	N.D.	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1000	0.1000	0.1000	<0.05	mg/L
Phenol	0.3578	0.6416	<0.01	<0.01	<0.01	<0.01	0.0400	<0.01	0.0100	1.7756	0.0100	0.3700	mg/L
Iron	36.727	34.497	14.330	16.640	17.490	6.210	13.950	13.330	7.860	54.000	6.210	23.925	mg/L
Manganese	2.877	1.710	0.946	0.490	23.119	0.238	0.327	0.454	0.222	67.250	0.222	5.250	mg/L
Mercury	0.001	0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050	<0.0005	0.0005	0.003	0.000	0.001	mg/L
Nickel	0.021	0.059	<0.100	<0.100	<0.100	<0.100	0.128	<0.100	0.100	0.128	0.009	0.048	mg/L
Lead	N.D.	N.D.	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.100	0.100	0.100	0.100	mg/L
Sodium	152.33	208.73	211.54	204.29	364.26	379.51	693.00	563.79	236.71	693.00	51.50	251.33	mg/L
Zinc	0.088	0.261	0.150	<0.050	0.064	0.057	0.159	<0.050	0.055	0.685	0.045	0.124	mg/L