

ATTUNGA LANDFILL - YEARLY SUMMARY FOR 2014/15

LICENCE PERIOD: 18th Oct 2014 - 17th Oct 2015

POINT 1 - Leachate

NOTE: Monitoring Frequency - Special Frequency

Sample Date	Alkalinity mg/L	Calcium mg/L	Chloride mg/L	Chromium mg/L	Conductivity mS/cm	Dissolved Oxygen mg/L	Fluoride mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Nitrate mg/L	Nitrite mg/L	Ammonia mg/L	OC/OP ug/L	pH pH Units	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Temp. oC	TKN mg/L	TOC mg/L	Total Phenolics ug/L	TSS mg/L	Volumetric Flow Rate kL/day	Zinc mg/L
18/12/2014*	70	14	2	<0.01	1.52	6.00	1.0	4.4	4.0	0.04	<0.1	0.5	<0.1	<PQL	8.0	2	4	<10	27.3	0.6	6	<0.05	11	NA	0.01
10/03/2015	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3/06/2015	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18/08/2015	147	152	376	<0.01	1.78	NT	0.3	6.5	38.9	0.3	<0.1	<0.1	3.2	<PQL	7.4	155	72	195	NT	26.7	236	<0.05	144	NA	<0.1

* No discharge from dam - sample of leachate from dam collected.

POINT 2 - Groundwater Bore

NOTE: Monitoring Frequency - Quarterly

Sample Date	Alkalinity mg/L	BOD mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Nitrate mg/L	Ammonia mg/L	OC/OP ug/L	pH pH Units	Potassium mg/L	Sodium mg/L	Sulphate mg/L	TDS mg/L	TOC mg/L	Total Phenolics ug/L
12/12/2014	404	<2	179	83	<0.2	0.12	22	0.02	1.8	<0.1	<PQL	6.7	1	42	27	608	<1	<0.05
10/03/2015	410	<2	169	75	<0.2	0.67	20	0.09	2.0	<0.1	NT	6.8	2	30	32	668	7	<0.05
3/06/2015	419	<2	180	81	<0.2	0.20	12	<0.1	2.0	<0.1	NT	6.8	1	32	31	627	<1	<0.05
21/09/2015	424	<2	175	80	<0.2	0.20	19	<0.1	1.9	<0.1	NT	6.8	1	28	26	600	6	<0.05

POINT 3 - Groundwater Bore

NOTE: Monitoring Frequency - Quarterly

Sample Date	Alkalinity mg/L	BOD mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Nitrate mg/L	Ammonia mg/L	OC/OP ug/L	pH pH Units	Potassium mg/L	Sodium mg/L	Sulphate mg/L	TDS mg/L	TOC mg/L	Total Phenolics ug/L
12/12/2014	410	<2	189	81	<0.2	3.1	21	0.12	1.7	<0.1	<PQL	6.7	1	40	26	636	<1	<0.05
10/03/2015	416	<2	172	73	<0.2	1.8	18	0.08	1.9	<0.1	NT	6.8	<1	31	31	672	5	<0.05
3/06/2015	431	<2	188	81	<0.2	2.6	22	<0.1	2.0	<0.1	NT	6.8	1	32	29	620	<1	<0.05
21/09/2015	434	<2	175	82	<0.2	2.3	19	<0.1	1.8	<0.1	NT	6.8	1	28	24	616	2	<0.05

POINT 4 - Groundwater Bore

NOTE: Monitoring Frequency - Quarterly

Sample Date	Alkalinity mg/L	BOD mg/L	Calcium mg/L	Chloride mg/L	Fluoride mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Nitrate mg/L	Ammonia mg/L	OC/OP ug/L	pH pH Units	Potassium mg/L	Sodium mg/L	Sulphate mg/L	TDS mg/L	TOC mg/L	Total Phenolics ug/L
12/12/2014	414	<2	200	83	<0.2	2.09	22	0.09	2.0	<0.1	<PQL	6.7	<1	41	25	632	<1	<0.05
10/03/2015	418	<2	172	79	<0.2	2.08	18	0.09	2.3	<0.1	NT	6.8	<1	31	31	668	4	<0.05
3/06/2015	428	<2	188	84	<0.2	4.5	12	0.2	2.7	<0.1	NT	6.8	2	35	26	650	<1	<0.05
21/09/2015	432	<2	176	86	<0.2	1.3	19	<0.1	2.9	<0.1	NT	6.8	1	30	26	648	2	<0.05