Inverell Landfill

Sampling Point: All Monitoring Points	**EPL No. 7463**
Licence Period 19 November 2011 to 18 November 2012 http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=7463&id=7463&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued	**Licensee: Inverell Shire Council** 144 Otho Street, Inverell
	Monitoring Frequency - Quarterly
Date Sampled 30-May-12	
Date Reported 25-Jun-12	
Date Published 9-Jul-12	

Sampling Notes:

No samples were collected for Points 1 and 2 as there was no leachate in the leachate dam and no discharges occurred during the sampling period.

Sampling point	BH1	BH2a	BH2b	BH3a	BH3b	FD1	BH4	BH5
EPA Identification Numbers	6	7	8	9	10	-	11	12
pH (pH)	7.3	7.1	7.3	7.3	7.3	7.3	7.3	7.4
TDS (mg/L)	1200	1720	2250	1250	900	930	1560	930
BOD (mg/L)	4	5	4	4	4	4	3	4
TOC (mg/L)	7	11	10	9	3	5	8	5
Total Phenols (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron (mg/L)	0.55	0.04	0.02	0.04	0.02	0.01	0.01	0.04
Manganese (mg/L)	0.1	0.67	0.04	0.17	0.32	0.3	0.3	0.03
Sodium (mg/L)	44	240	490	160	115	120	120	65
Calcium (mg/L)	150	135	54	115	120	125	175	155
Potassium (mg/L)	2.3	2.5	3.8	2.6	4.3	4.2	3.9	3.3
Magnesium (mg/L)	145	235	245	150	85	84	210	57
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	29	320	370	180	22	22	410	15
Fluoride (mg/L)	0.14	0.3	0.21	0.12	<0.1	<0.1	0.15	0.1
Nitrate (mg/L)	280	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	77	10	7	11	16	17	25	160
Bicarbonate (mg/L)	905	1630	2000	1240	1050	1090	1210	570
Phosphate (mg/L)	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	170
Nitrite (mg/L)	0.52	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Conductivity (μS/cm)	1234	2810	3470	1986	905	905	2520	979
Standing Water Level (m)	12.76	2.8	3.99	4.57	10.27	10.27	12.82	9.29
Alkalinity (as calcuim carbonate) (mg/L)	740	1340	1640	1010	860	895	990	465

Table notes:

1. FD1 = field duplicate of BH3b;
2. TDS = Total Dissolved Solids;
3. BOD = Biological Oxygen Demand; and
4. TOC = Total Organic Carbon.

Abbreviations:

mg/L milligrams per litre

pH pH

μS/cm microsiemens per centimetre

m metres