



# Inverell Landfill

**Sampling Point: All Monitoring Points** **EPL No. 7463**  
**Licence Period 19 November 2012 to 18 November 2013** **Licensee: Inverell Shire Council**  
<http://www.environment.nsw.gov.au/prpoeoapp/Detail.aspx?instid=7463&id=7463&option=licence&searchrange=licence&range=POEO> **144 Otho Street, Inverell**  
**licence&prp=no&status=Issued** **Monitoring Frequency - Quarterly**

**Date Sampled** 12-Nov-13  
**Date Reported**  
**Date Published** 30-Jan-14

**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 (field)	6.86	6.72	6.89	6.85	6.88	-	6.78	6.89
TDS (mg/L)	1000	1810	2160	1190	835	840	1760	370
BOD (mg/L)	<2	<2	<2	3	3	4	<2	<2
TOC (mg/L)	3	9	6	4	2	2	6	<1
Total Phenols (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron (mg/L)	0.04	0.03	0.02	0.02	0.01	0.03	0.02	0.01
Manganese (mg/L)	0.06	0.56	0.03	0.2	0.37	0.35	0.45	0.06
Sodium (mg/L)	44	290	420	140	135	140	135	52
Calcium (mg/L)	130	95	56	110	90	85	160	61
Potassium (mg/L)	2.4	2.4	3.1	2	4.5	4.8	3.1	2.5
Magnesium (mg/L)	130	250	285	160	76	76	265	24
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride (mg/L)	24	330	360	165	21	20	500	7
Fluoride (mg/L)	0.11	0.21	0.19	0.11	<0.1	<0.1	0.12	<0.1
Nitrate (mg/L)	150	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.9
Sulfate (mg/L)	55	4	5	4	10	10	15	31
Bicarbonate (mg/L)	925	1700	2050	1200	995	990	1280	390
Phosphate (mg/L)	<0.1	0.12	0.15	<0.1	<0.1	<0.1	<0.1	0.12
Nitrite (mg/L)	0.39	0.36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Conductivity ( $\mu$ S/cm)	1503	3140	3660	2002	1318	-	3170	523
Standing Water Level (m)	13.42	5.82	7.43	5.63	11.5	-	13.17	10.75
pH (lab)	6.9	6.9	7	6.9	7	7	6.9	7.1

**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
- $\mu$ S/cm microsiemens per centimetre
- m metres