

BARGO WASTE MANAGEMENT CENTRE ANTHONY ROAD BARGO - SAMPLING RESULTS
SAMPLING ON 8TH MARCH 2016
EPA LICENCE NUMBER 6061
<http://www.environment.nsw.gov.au/brpoeopp/>
WOLLONDILLY SHIRE COUNCIL
62-64 Menangle Street PICTON NSW 2571

SAMPLING LOCATIONS				EPA Point 1	EPA Point 2	EPA Point 3	EPA Point 4	EPA Point 5	EPA Point 6	EPA Point 7	EPA Point 8	-
Pollutant	Unit of Measure	Monitoring Frequency	Concentration Limits for Sampling Point	Groundwater Bore BA1 NE Corner	Surface Water Pond NE Corner BA3	Dog Trap Creek Upstream BA4	Dog Trap Creek Downstream BA5	Surface Water Pond SE Corner BA8	Drainage Line BA9	Groundwater Up Gradient Bore BA6 SW Corner	Groundwater Down Gradient Bore BA7 SE Corner	Dog Trap Creek below landfill drainage line BA10
Alkalinity (as calcium carbonate)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Aluminium	milligrams per litre	Annual / Quarterly		not required	not required	0.22	less than 0.05	not required	less than 0.05	not required	not required	less than 0.05
Ammonia (as nitrogen)	milligrams per litre	Quarterly	0.9 milligrams per litre for Points 2 and 5 only	73	0.02	0.78	0.02	Dry	less than 0.01	0.1	0.12	less than 0.01
Arsenic	milligrams per litre	Annual / Quarterly		not required	not required	0.003	less than 0.001	not required	less than 0.001	not required	not required	0.001
Barium	milligrams per litre	Annual / Quarterly		not required	not required	0.03	0.08	not required	0.13	not required	not required	0.08
Benzene	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Biological Oxygen Demand (BOD)	milligrams per litre	Quarterly		not required	less than 5	less than 5	less than 5	Dry	not required	not required	not required	less than 5
Cadmium	milligrams per litre	Annual / Quarterly		not required	not required	less than 0.0002	less than 0.0002	not required	0.0006	not required	not required	less than 0.0002
Calcium	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Chemical Oxygen Demand (COD)	milligrams per litre	Quarterly		not required	not required	51	60	Dry	not required	not required	not required	68
Chloride (Cl)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Chlorinated Volatile Compounds (CVCs)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Chromium (hexavalent)	milligrams per litre	Annual / Quarterly		not required	not required	less than 0.001	less than 0.001	not required	less than 0.001	not required	not required	Less than 0.001
Chromium (total)	milligrams per litre	Annual / Quarterly		not required	not required	less than 0.001	0.001	not required	less than 0.001	not required	not required	0.001
Cobalt	milligrams per litre	Annual / Quarterly		not required	not required	Less than 0.001	Less than 0.001	not required	less than 0.001	not required	not required	Less than 0.001
Copper	milligrams per litre	Annual / Quarterly		not required	not required	0.001	0.001	not required	0.011	not required	not required	0.004
Ethylbenzene	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Fluoride	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Lead	milligrams per litre	Annual / Quarterly		not required	not required	0.002	less than 0.001	not required	less than 0.001	not required	not required	less than 0.001
Magnesium	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Manganese	milligrams per litre	Annual / Quarterly		not required	not required	0.22	0.048	not required	0.051	not required	not required	0.023
Mercury	milligrams per litre	Annual / Quarterly		not required	not required	less than 0.0001	less than 0.0001	not required	less than 0.0001	not required	not required	less than 0.0001
Nitrate (as Nitrogen)	milligrams per litre	Annual / Quarterly		not required	not required	0.03	less than 0.02	not required	8.2	not required	not required	3.7
Nitrite (as Nitrogen)	milligrams per litre	Annual / Quarterly		not required	not required	less than 0.02	less than 0.02	not required	less than 0.02	less than 0.02	not required	less than 0.02
Organochlorine Pesticides (OCP)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Organophosphorus Pesticides (OPP)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Polycyclic Aromatic Hydrocarbons (PAH)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Potassium	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Semi-volatile Organic Compounds (SVOCs)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Sodium	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Sulphate (as SO ₄)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Toluene	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Total Dissolved Solids (TDS)	milligrams per litre	Quarterly		1300	570	150	640	Dry	1400	420	130	1200
Total Iron	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Total Kjeldahl Nitrogen	milligrams per litre	Quarterly		not required	not required	0.8	1	not required	0.9	not required	not required	1
Total Nitrogen	milligrams per litre	Quarterly		not required	not required	0.8	1	not required	9.0	not required	not required	4.8
Total Organic Carbon (TOC)	milligrams per litre	Quarterly		85	35	16	27	Dry	37	12	9.8	30
Total Petroleum Hydrocarbons (TPH)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Total Phenolics	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Total Phosphorus	milligrams per litre	Annual / Quarterly		not required	not required	0.09	0.01	not required	less than 0.05	not required	not required	0.02
Total Suspended Solids (TSS)	milligrams per litre	Quarterly	50 milligrams per litre for Points 2 & 5 only	not required	1.2	32	3	Dry	not required	not required	not required	2.2
Volatile Organic Compounds (VOCs)	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Xylenes	milligrams per litre	Annual		not required	not required	not required	not required	not required	not required	not required	not required	not required
Zinc	milligrams per litre	Annual / Quarterly		not required	not required	0.004	0.004	not required	0.43	not required	not required	0.013
FIELD MEASUREMENTS												
Standing Water Level	metres below ground surface	Quarterly		0.786	not required	not required	not required	not required	not required	37.7	13.726	not required
Electrical Conductivity	microsiemens per centimetre	Quarterly		2338	969	219	1013	Dry	1815	574	169	1544
pH	PH Units	Quarterly		7.06	9.48	6.75	7.79	Dry	7.82	6.03	6.31	8.05
Temperature	Degree C	Quarterly		21.7	29.8	25.6	22.2	Dry	22.7	18.8	19.2	22.9

Additional testing to the licence conditions is highlighted in blue text.