

CLOSED WARRAGAMBA WASTE MANAGEMENT CENTRE PRODUCTION AVENUE WARRAGAMBA - SAMPLING RESULT:  
 SAMPLING ON 7TH MARCH 2016  
 EPA LICENCE NUMBER 6062  
<http://www.environment.nsw.gov.au/bropoeopp/>  
 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	Magarrity's Creek Upstream WA3	Magarrity's Creek Downstream WA4	Groundwater NE Corner Down Gradient WA1	Groundwater SW Corner Up Gradient WA2	Groundwater SE Corner WA8 (Not Installed)	Drainage Line WA5	Surface Water Pond A WA6 (Not Installed)	Surface Water Pond B WA7 (Not Installed)
Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	Less than 30		630		
Aluminium	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.05		
Ammonia (as nitrogen)	milligrams per litre	Quarterly / Annual	0.9 milligrams per litre for Points 7 and 8 only	not required	not required	Insufficient water to collect sample	0.06		13		
Arsenic	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.001		
Barium	milligrams per litre	Annual		not required	not required	not required	not required		0.3		
Benzene	milligrams per litre	Annual		not required	not required	not required	not required		not required		
Biological Oxygen Demand (BOD)	milligrams per litre	Quarterly		less than 5	less than 5	not required	not required		less than 5		
Cadmium	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.0002		
Calcium	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	11		120		
Chemical Oxygen Demand (COD)	milligrams per litre	Quarterly		21	less than 20	not required	not required		not required		
Chloride (as Cl)	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	410		140		
Chromium (hexavalent)	milligrams per litre	Annual		not required	not required	not required	not required		not required		
Chromium (total)	milligrams per litre	Annual		not required	not required	not required	not required		not required		
Cobalt	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.001		
Copper	milligrams per litre	Annual		not required	not required	not required	not required		0.003		
Ethylbenzene	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.001		
Fluoride	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.5		
Lead	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.001		
Magnesium	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	24		33		
Manganese	milligrams per litre	Annual		not required	not required	not required	not required		0.54		
Mercury	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.0001		
Organochlorine Pesticides (OCP)	milligrams per litre	Annual		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		
Ortho Phosphate	milligrams per litre	Quarterly		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		
Potassium	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	1.8		40		
Sodium	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	180		110		
Sulphate (as SO <sub>4</sub> )	milligrams per litre	Quarterly		not required	not required	Insufficient water to collect sample	10		less than 5		
Toluene	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.001		
Total Dissolved Solids (TDS)	milligrams per litre	Quarterly		430	230	Insufficient water to collect sample	780		850		
Total Nitrogen	milligrams per litre	Quarterly / Annual		not required	not required	not required	not required		14.7		
Total Organic Carbon (TOC)	milligrams per litre	Quarterly		6.7	6.6	Insufficient water to collect sample	13		29		
Total Petroleum Hydrocarbons (TPH)	milligrams per litre	Annual		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		
Total Phosphorus	milligrams per litre	Quarterly		not required	not required	not required	not required		less than 0.05		
Total Suspended Solids (TSS)	milligrams per litre	Quarterly	50 milligrams per litre for Points 7 & 8 only	4.6	3	not required	not required		not required		

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Xylenes	milligrams per litre	Annual		not required	not required	not required	not required		less than 0.003		
Zinc	milligrams per litre	Annual		not required	not required	not required	not required		0.033		

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

FIELD MEASUREMENTS											
Standing Water Level	metres below ground surface	Quarterly		not required	not required	2.047	10.985		not required		
Electrical Conductivity	microsiemens per centimetre	Quarterly		703	388	3366	1242		1501		
pH	PH Units	Quarterly		6.7	6.78	6.54	4.59		7.08		
Temperature	Degrees Celcius	Quarterly		22.3	69.1	25.5	20.4		25		