

Concentration Monitoring Summary
Jindabyne Regional Waste Management Facility 6013 Kosciuszko Road Jindabyne NSW
EPA Licence 20060

Data Last Updated on **Wednesday, 4 March 2020**

Monitoring Location 1		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Leachate Dam Primary GPS Coordinates -36.43736 148.62392					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
		EPA Analysis	Alkalinity (as calcium carbonate)	mg/L	1	3	*	*	*	
Ammonia	mg/L		1	3	*	*	*			
Calcium	mg/L		1	3	*	*	*			
Chloride	mg/L		1	3	*	*	*			
Fluoride	mg/L		1	3	*	*	*			
Iron	mg/L		1	3	*	*	*			
Magnesium	mg/L		1	3	*	*	*			
Manganese	mg/L		1	3	*	*	*			
Nitrate	mg/L		1	3	*	*	*			
pH	pH		1	3	*	*	*			
Potassium	mg/L		1	3	*	*	*			
Sodium	mg/L		1	3	*	*	*			
Sulfate	mg/L		1	3	*	*	*			
Total organic carbon	mg/L		1	3	*	*	*			
Total Phenolics	mg/L		1	3	*	*	*			
Zinc	mg/L		1	3	*	*	*			
Aluminium (total)	mg/L		1	3	*	*	*			
Arsenic	µg/L		1	3	*	*	*			
Barium	µg/L		1	3	*	*	*			
Benzene	µg/L		1	3	*	*	*			
Cadmium	µg/L		1	3	*	*	*			
Chromium (hexavalent)	mg/L		1	3	*	*	*			
Chromium (total)	mg/L		1	3	*	*	*			
Cobalt	µg/L		1	3	*	*	*			
Copper	µg/L		1	3	*	*	*			
Ethyl benzene	µg/L		1	3	*	*	*			
Lead	µg/L		1	3	*	*	*			
Mercury	µg/L		1	3	*	*	*			
Nitrite	mg/L		1	3	*	*	*			
Nitrogen (ammonia)	mg/L		1	3	*	*	*			
Organochlorine pesticides	µg/L		1	3	*	*	*			
Organophosphate pesticides	µg/L		1	3	*	*	*			
Polycyclic aromatic hydrocarbons	µg/L		1	3	*	*	*			
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry

Monitoring Location 4		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Ground Water 1 Bore Hole 101 GPS Coordinates -36.436511 148.621315					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
EPA Analysis	Adsorbable organic halogens	µg/L	4	3	*	*	*			
	Alkalinity (as calcium carbonate)	mg/L	4	3	*	*	*			
	Ammonia	mg/L	4	3	*	*	*			
	Calcium	mg/L	4	3	*	*	*			
	Chloride	mg/L	4	3	*	*	*			
	Fluride	mg/L	4	3	*	*	*			
	Iron	mg/L	4	3	*	*	*			
	Magnesium	mg/L	4	3	*	*	*			
	Manganese	mg/L	4	3	*	*	*			
	Nitrate	mg/L	4	3	*	*	*			
	pH	pH	4	3	*	*	*			
	Potassium	mg/L	4	3	*	*	*			
	Sodium	mg/L	4	3	*	*	*			
	Standing Water Level	m	4	3	*	*	*			
	Sulfate	mg/L	4	3	*	*	*			
	Total organic carbon	mg/L	4	3	*	*	*			
	Total phenolics	mg/L	4	3	*	*	*			
	Aluminium (total)	mg/L	1	3	*	*	*			
	Arsenic	mg/L	1	3	*	*	*			
	Barium	mg/L	1	3	*	*	*			
	Benzene	µg/L	1	3	*	*	*			
	Cadmium	mg/L	1	3	*	*	*			
	Chromium (hexavalent)	mg/L	1	3	*	*	*			
	Chromium (total)	mg/L	1	3	*	*	*			
	Cobalt	µg/L	1	3	*	*	*			
	Copper	µg/L	1	3	*	*	*			
	Ethyl benzene	µg/L	1	3	*	*	*			
	Lead	µg/L	1	3	*	*	*			
	Mercury	µg/L	1	3	*	*	*			
	Nitrite	mg/L	1	3	*	*	*			
	Nitrogen (ammonia)	mg/L	1	3	*	*	*			
	Organochlorine pesticides	µg/L	1	3	*	*	*			
Organophosphate pesticides	µg/L	1	3	*	*	*				
Polycyclic aromatic hydrocarbons	µg/L	1	3	*	*	*				
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry

Monitoring Location 5		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Ground Water 2 Bore Hole 102 GPS Coordinates -36.438189 148.622499					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
EPA Analysis	Adsorbable organic halogens	µg/L	4	3	*	*	*			
	Alkalinity (as calcium carbonate)	mg/L	4	3	*	*	*			
	Ammonia	mg/L	4	3	*	*	*			
	Calcium	mg/L	4	3	*	*	*			
	Chloride	mg/L	4	3	*	*	*			
	Fluride	mg/L	4	3	*	*	*			
	Iron	mg/L	4	3	*	*	*			
	Magnesium	mg/L	4	3	*	*	*			
	Manganese	mg/L	4	3	*	*	*			
	Nitrate	mg/L	4	3	*	*	*			
	pH	pH	4	3	*	*	*			
	Potassium	mg/L	4	3	*	*	*			
	Sodium	mg/L	4	3	*	*	*			
	Standing Water Level	m	4	3	*	*	*			
	Sulfate	mg/L	4	3	*	*	*			
	Total organic carbon	mg/L	4	3	*	*	*			
	Total phenolics	mg/L	4	3	*	*	*			
	Aluminium (total)	mg/L	1	3	*	*	*			
	Arsenic	mg/L	1	3	*	*	*			
	Barium	mg/L	1	3	*	*	*			
	Benzene	µg/L	1	3	*	*	*			
	Cadmium	mg/L	1	3	*	*	*			
	Chromium (hexavalent)	mg/L	1	3	*	*	*			
	Chromium (total)	mg/L	1	3	*	*	*			
	Cobalt	µg/L	1	3	*	*	*			
	Copper	µg/L	1	3	*	*	*			
	Ethyl benzene	µg/L	1	3	*	*	*			
	Lead	µg/L	1	3	*	*	*			
	Mercury	µg/L	1	3	*	*	*			
	Nitrite	mg/L	1	3	*	*	*			
	Nitrogen (ammonia)	mg/L	1	3	*	*	*			
	Organochlorine pesticides	µg/L	1	3	*	*	*			
Organophosphate pesticides	µg/L	1	3	*	*	*				
Polycyclic aromatic hydrocarbons	µg/L	1	3	*	*	*				
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry

Monitoring Location 6		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Ground Water 3 Bore Hole 103 GPS Coordinates -36.439275 148.622198					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
EPA Analysis	Adsorbable organic halogens	µg/L	4	3	*	*	*			
	Alkalinity (as calcium carbonate)	mg/L	4	3	*	*	*			
	Ammonia	mg/L	4	3	*	*	*			
	Calcium	mg/L	4	3	*	*	*			
	Chloride	mg/L	4	3	*	*	*			
	Fluride	mg/L	4	3	*	*	*			
	Iron	mg/L	4	3	*	*	*			
	Magnesium	mg/L	4	3	*	*	*			
	Manganese	mg/L	4	3	*	*	*			
	Nitrate	mg/L	4	3	*	*	*			
	pH	pH	4	3	*	*	*			
	Potassium	mg/L	4	3	*	*	*			
	Sodium	mg/L	4	3	*	*	*			
	Standing Water Level	m	4	3	*	*	*			
	Sulfate	mg/L	4	3	*	*	*			
	Total organic carbon	mg/L	4	3	*	*	*			
	Total phenolics	mg/L	4	3	*	*	*			
	Aluminium (total)	mg/L	1	3	*	*	*			
	Arsenic	mg/L	1	3	*	*	*			
	Barium	mg/L	1	3	*	*	*			
	Benzene	µg/L	1	3	*	*	*			
	Cadmium	mg/L	1	3	*	*	*			
	Chromium (hexavalent)	mg/L	1	3	*	*	*			
	Chromium (total)	mg/L	1	3	*	*	*			
	Cobalt	µg/L	1	3	*	*	*			
	Copper	µg/L	1	3	*	*	*			
	Ethyl benzene	µg/L	1	3	*	*	*			
	Lead	µg/L	1	3	*	*	*			
	Mercury	µg/L	1	3	*	*	*			
	Nitrite	mg/L	1	3	*	*	*			
	Nitrogen (ammonia)	mg/L	1	3	*	*	*			
	Organochlorine pesticides (OC)	µg/L	1	3	*	*	*			
(OP)	µg/L	1	3	*	*	*				
Polycyclic aromatic hydrocarbons	µg/L	1	3	*	*	*				
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry

Monitoring Location 7		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Ground Water 4 Bore Hole 5 GPS Coordinates -36.439049 148.621447					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
EPA Analysis	Adsorbable organic halogens	µg/L	4	3	*	*	*			
	Alkalinity (as calcium carbonate)	mg/L	4	3	*	*	*			
	Ammonia	mg/L	4	3	*	*	*			
	Calcium	mg/L	4	3	*	*	*			
	Chloride	mg/L	4	3	*	*	*			
	Fluride	mg/L	4	3	*	*	*			
	Iron	mg/L	4	3	*	*	*			
	Magnesium	mg/L	4	3	*	*	*			
	Manganese	mg/L	4	3	*	*	*			
	Nitrate	mg/L	4	3	*	*	*			
	pH	pH	4	3	*	*	*			
	Potassium	mg/L	4	3	*	*	*			
	Sodium	mg/L	4	3	*	*	*			
	Standing Water Level	m	4	3	*	*	*			
	Sulfate	mg/L	4	3	*	*	*			
	Total organic carbon	mg/L	4	3	*	*	*			
	Total phenolics	mg/L	4	3	*	*	*			
	Aluminium (total)	mg/L	1	3	*	*	*			
	Arsenic	mg/L	1	3	*	*	*			
	Barium	mg/L	1	3	*	*	*			
	Benzene	µg/L	1	3	*	*	*			
	Cadmium	mg/L	1	3	*	*	*			
	Chromium (hexavalent)	mg/L	1	3	*	*	*			
	Chromium (total)	mg/L	1	3	*	*	*			
	Cobalt	µg/L	1	3	*	*	*			
	Copper	µg/L	1	3	*	*	*			
	Ethyl benzene	µg/L	1	3	*	*	*			
	Lead	µg/L	1	3	*	*	*			
	Mercury	µg/L	1	3	*	*	*			
	Nitrite	mg/L	1	3	*	*	*			
	Nitrogen (ammonia)	mg/L	1	3	*	*	*			
	Organochlorine pesticides (OC)	µg/L	1	3	*	*	*			
	(OP)	µg/L	1	3	*	*	*			
Polycyclic aromatic hydrocarbons	µg/L	1	3	*	*	*				
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry

Monitoring Location 8		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained			Units of Measure		
Leachate Dam Secondary GPS Coordinates -36.438490 148.621962					18/08/2019	15/11/2019	25/02/2020	Lowest	Mean	Highest
EPA Analysis	Alkalinity (as calcium carbonate)	mg/L	1	3	*	*	*			
	Ammonia	mg/L	1	3	*	*	*			
	Calcium	mg/L	1	3	*	*	*			
	Chloride	mg/L	1	3	*	*	*			
	Fluoride	mg/L	1	3	*	*	*			
	Iron	mg/L	1	3	*	*	*			
	Magnesium	mg/L	1	3	*	*	*			
	Manganese	mg/L	1	3	*	*	*			
	Nitrate	mg/L	1	3	*	*	*			
	pH	pH	1	3	*	*	*			
	Potassium	mg/L	1	3	*	*	*			
	Sodium	mg/L	1	3	*	*	*			
	Sulfate	mg/L	1	3	*	*	*			
	Total organic carbon	mg/L	1	3	*	*	*			
	Total Phenolics	mg/L	1	3	*	*	*			
	Zinc	mg/L	1	3	*	*	*			
	Aluminium (total)	mg/L	1	3	*	*	*			
	Arsenic	µg/L	1	3	*	*	*			
	Barium	µg/L	1	3	*	*	*			
	Benzene	µg/L	1	3	*	*	*			
	Cadmium	µg/L	1	3	*	*	*			
	Chromium (hexavalent)	mg/L	1	3	*	*	*			
	Chromium (total)	mg/L	1	3	*	*	*			
	Cobalt	µg/L	1	3	*	*	*			
	Copper	µg/L	1	3	*	*	*			
	Ethyl benzene	µg/L	1	3	*	*	*			
	Lead	µg/L	1	3	*	*	*			
	Mercury	µg/L	1	3	*	*	*			
	Nitrite	mg/L	1	3	*	*	*			
	Nitrogen (ammonia)	mg/L	1	3	*	*	*			
	Organochlorine pesticides	µg/L	1	3	*	*	*			
	Organophosphate pesticides	µg/L	1	3	*	*	*			
Polycyclic aromatic hydrocarbons	µg/L	1	3	*	*	*				
Toluene	µg/L	1	3	*	*	*				
Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
Total petroleum hydrocarbons	µg/L	1	3	*	*	*				
Xylene	µg/L	1	3	*	*	*				

* Indicates that the monitoring location was dry