

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

Data Last Updated on **Friday, 17 September 2021**

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					17/06/2021	8/09/2021				Lowest
EPA Analysis	Alkalinity (as calcium carbonate)	mg/L	1	2	*	*				
	Ammonia	mg/L	1	2	*	*				
	Calcium	mg/L	1	2	*	*				
	Chloride	mg/L	1	2	*	*				
	Fluoride	mg/L	1	2	*	*				
	Iron	mg/L	1	2	*	*				
	Magnesium	mg/L	1	2	*	*				
	Manganese	mg/L	1	2	*	*				
	Nitrate	mg/L	1	2	*	*				
	pH	pH	1	2	*	*				
	Potassium	mg/L	1	2	*	*				
	Sodium	mg/L	1	2	*	*				
	Sulfate	mg/L	1	2	*	*				
	Total organic carbon	mg/L	1	2	*	*				
	Total Phenolics	mg/L	1	2	*	*				
	Zinc	mg/L	1	2	*	*				
	Aluminium (total)	mg/L	1	2	*	*				
	Arsenic	µg/L	1	2	*	*				
	Barium	µg/L	1	2	*	*				
	Benzene	µg/L	1	2	*	*				
	Cadmium	µg/L	1	2	*	*				
	Chromium (hexavalent)	mg/L	1	2	*	*				
	Chromium (total)	mg/L	1	2	*	*				
	Cobalt	µg/L	1	2	*	*				
	Copper	µg/L	1	2	*	*				
	Ethyl benzene	µg/L	1	2	*	*				
	Lead	µg/L	1	2	*	*				
	Mercury	µg/L	1	2	*	*				
	Nitrite	mg/L	1	2	*	*				
	Nitrogen (ammonia)	mg/L	1	2	*	*				
	Organochlorine pesticides	µg/L	1	2	*	*				
	Organophosphate pesticides	µg/L	1	2	*	*				
	Polycyclic aromatic hydrocarbons	µg/L	1	2	*	*				
	Toluene	µg/L	1	2	*	*				
	Total dissolved solids (TDS)	mg/L	1	2	*	*				
Total petroleum hydrocarbons	µg/L	1	2	*	*					
Xylene	µg/L	1	2	*	*					

* 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					17/06/2021	8/09/2021				Lowest
EPA Analysis	Adsorbable organic halogens	µg/L	4	2	*	*				
	Alkalinity (as calcium carbonate)	mg/L	4	2	*	*				
	Ammonia	mg/L	4	2	*	*				
	Calcium	mg/L	4	2	*	*				
	Chloride	mg/L	4	2	*	*				
	Fluride	mg/L	4	2	*	*				
	Iron	mg/L	4	2	*	*				
	Magnesium	mg/L	4	2	*	*				
	Manganese	mg/L	4	2	*	*				
	Nitrate	mg/L	4	2	*	*				
	pH	pH	4	2	*	*				
	Potassium	mg/L	4	2	*	*				
	Sodium	mg/L	4	2	*	*				
	Standing Water Level	m	4	2	*	*				
	Sulfate	mg/L	4	2	*	*				
	Total organic carbon	mg/L	4	2	*	*				
	Total phenolics	mg/L	4	2	*	*				
	Aluminium (total)	mg/L	1	2	*	*				
	Arsenic	mg/L	1	2	*	*				
	Barium	mg/L	1	2	*	*				
	Benzene	µg/L	1	2	*	*				
	Cadmium	mg/L	1	2	*	*				
	Chromium (hexavalent)	mg/L	1	2	*	*				
	Chromium (total)	mg/L	1	2	*	*				
	Cobalt	µg/L	1	2	*	*				
	Copper	µg/L	1	2	*	*				
	Ethyl benzene	µg/L	1	2	*	*				
	Lead	µg/L	1	2	*	*				
	Mercury	µg/L	1	2	*	*				
	Nitrite	mg/L	1	2	*	*				
	Nitrogen (ammonia)	mg/L	1	2	*	*				
	Organochlorine pesticides	µg/L	1	2	*	*				
	Organophosphate pesticides	µg/L	1	2	*	*				
Polycyclic aromatic hydrocarbons	µg/L	1	2	*	*					
Toluene	µg/L	1	2	*	*					
Total dissolved solids (TDS)	mg/L	1	2	*	*					
Total petroleum hydrocarbons	µg/L	1	2	*	*					
Xylene	µg/L	1	2	*	*					

* 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					17/06/2021	8/09/2021		Lowest	Mean	Highest
EPA Analysis	Adsorbable organic halogens	µg/L	4	2	*	*				
	Alkalinity (as calcium carbonate)	mg/L	4	2	*	*				
	Ammonia	mg/L	4	2	*	*				
	Calcium	mg/L	4	2	*	*				
	Chloride	mg/L	4	2	*	*				
	Fluride	mg/L	4	2	*	*				
	Iron	mg/L	4	2	*	*				
	Magnesium	mg/L	4	2	*	*				
	Manganese	mg/L	4	2	*	*				
	Nitrate	mg/L	4	2	*	*				
	pH	pH	4	2	*	*				
	Potassium	mg/L	4	2	*	*				
	Sodium	mg/L	4	2	*	*				
	Standing Water Level	m	4	2	*	*				
	Sulfate	mg/L	4	2	*	*				
	Total organic carbon	mg/L	4	2	*	*				
	Total phenolics	mg/L	4	2	*	*				
	Aluminium (total)	mg/L	1	2	*	*				
	Arsenic	mg/L	1	2	*	*				
	Barium	mg/L	1	2	*	*				
	Benzene	µg/L	1	2	*	*				
	Cadmium	mg/L	1	2	*	*				
	Chromium (hexavalent)	mg/L	1	2	*	*				
	Chromium (total)	mg/L	1	2	*	*				
	Cobalt	µg/L	1	2	*	*				
	Copper	µg/L	1	2	*	*				
	Ethyl benzene	µg/L	1	2	*	*				
	Lead	µg/L	1	2	*	*				
	Mercury	µg/L	1	2	*	*				
	Nitrite	mg/L	1	2	*	*				
	Nitrogen (ammonia)	mg/L	1	2	*	*				
	Organochlorine pesticides	µg/L	1	2	*	*				
Organophosphate pesticides	µg/L	1	2	*	*					
Polycyclic aromatic hydrocarbons	µg/L	1	2	*	*					
Toluene	µg/L	1	2	*	*					
Total dissolved solids (TDS)	mg/L	1	2	*	*					
Total petroleum hydrocarbons	µg/L	1	2	*	*					
Xylene	µg/L	1	2	*	*					

* 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					17/06/2021	8/09/2021				Lowest
EPA Analysis	Adsorbable organic halogens	µg/L	4	2	*	*				
	Alkalinity (as calcium carbonate)	mg/L	4	2	*	*				
	Ammonia	mg/L	4	2	*	*				
	Calcium	mg/L	4	2	*	*				
	Chloride	mg/L	4	2	*	*				
	Fluride	mg/L	4	2	*	*				
	Iron	mg/L	4	2	*	*				
	Magnesium	mg/L	4	2	*	*				
	Manganese	mg/L	4	2	*	*				
	Nitrate	mg/L	4	2	*	*				
	pH	pH	4	2	*	*				
	Potassium	mg/L	4	2	*	*				
	Sodium	mg/L	4	2	*	*				
	Standing Water Level	m	4	2	*	*				
	Sulfate	mg/L	4	2	*	*				
	Total organic carbon	mg/L	4	2	*	*				
	Total phenolics	mg/L	4	2	*	*				
	Aluminium (total)	mg/L	1	2	*	*				
	Arsenic	mg/L	1	2	*	*				
	Barium	mg/L	1	2	*	*				
	Benzene	µg/L	1	2	*	*				
	Cadmium	mg/L	1	2	*	*				
	Chromium (hexavalent)	mg/L	1	2	*	*				
	Chromium (total)	mg/L	1	2	*	*				
	Cobalt	µg/L	1	2	*	*				
	Copper	µg/L	1	2	*	*				
	Ethyl benzene	µg/L	1	2	*	*				
	Lead	µg/L	1	2	*	*				
	Mercury	µg/L	1	2	*	*				
	Nitrite	mg/L	1	2	*	*				
	Nitrogen (ammonia)	mg/L	1	2	*	*				
	Organochlorine pesticides (OC)	µg/L	1	2	*	*				
	Organophosphate pesticides (OP)	µg/L	1	2	*	*				
	Polycyclic aromatic hydrocarbons	µg/L	1	2	*	*				
	Toluene	µg/L	1	2	*	*				
Total dissolved solids (TDS)	mg/L	1	2	*	*					
Total petroleum hydrocarbons	µg/L	1	2	*	*					
Xylene	µg/L	1	2	*	*					
*	Indicates that the monitoring location was dry									

Monitoring Location 7												
Ground Water 4 Bore Hole 5 GPS Coordinates -36.439049 148.621447			Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained				Units of Measure		
		17/06/2021				8/09/2021					Lowest	Mean
EPA Analysis	Adsorbable organic halogens	µg/L	4	0								
	Alkalinity (as calcium carbonate)	mg/L	4	2	<0.1	<0.1						
	Ammonia	mg/L	4	2	<0.1	<0.1						
	Calcium	mg/L	4	2	53	61			53	57	61	
	Chloride	mg/L	4	2	7	10			7	8.5	10	
	Fluride	mg/L	4	2	0.18	0.22			0.18	0.2	0.22	
	Iron	mg/L	4	0								
	Magnesium	mg/L	4	2	13.1	12.3			12.3	12.7	13.1	
	Manganese	mg/L	4	1	0.008				0.008	0.008	0.008	
	Nitrate	mg/L	4	2	0.41	2.69			0.41	1.55	2.69	
	pH	pH	4	2	7.03	7.34			7.03	7.185	7.34	
	Potassium	mg/L	4	2	2.5	2.4			2.4	2.45	2.5	
	Sodium	mg/L	4	2	16.3	16			16	16.15	16.3	
	Standing Water Level	m	4	0								
	Sulfate	mg/L	4	2	20.9	34.7			20.9	27.8	34.7	
	Total organic carbon	mg/L	4	2	4	4			4	4	4	
	Total phenolics	mg/L	4	2	25.5	33.7			25.5	29.6	33.7	
	Aluminium (total)	mg/L	1	2	0.2	1.24			0.2	0.72	1.24	
	Arsenic	mg/L	1	2	<1	<1						
	Barium	mg/L	1	2	7.1	24.6			7.1	15.85	24.6	
	Benzene	µg/L	1	2	<1	<1						
	Cadmium	mg/L	1	2	<0.05	0.08			0.08	0.08	0.08	
	Chromium (hexavalent)	mg/L	1	0								
	Chromium (total)	mg/L	1	2	0.002	0.002			0.002	0.002	0.002	
	Cobalt	µg/L	1	2	0.02	1.1			0.02	0.56	1.1	
	Copper	µg/L	1	2	2	8			2	5	8	
	Ethyl benzene	µg/L	1	2	<2	<2						
	Lead	µg/L	1	2	1.3	9.9			1.3	5.6	9.9	
	Mercury	µg/L	1	2	<0.1	<0.1						
	Nitrite	mg/L	1	2	0.41	2.69			0.41	1.55	2.69	
	Nitrogen (ammonia)	mg/L	1	2	<0.1	<0.1						
	Organochlorine pesticides (OC)	µg/L	1	2	76.6	99.1			76.6	87.85	99.1	
	Organophosphate pesticides (OP)	µg/L	1	2	80.1	96.1			80.1	88.1	96.1	
	Polycyclic aromatic hydrocarbons	µg/L	1	2	<0.5	<0.5						
Toluene	µg/L	1	2	<2	<2							
Total dissolved solids (TDS)	mg/L	1	2	261	289			261	275	289		
Total petroleum hydrocarbons	µg/L	1	2	<50	<50							
Xylene	µg/L	1	2	<2	<2							

* Indicates that the monitoring location was dry

Monitoring Location 8											
Leachate Dam Secondary GPS Coordinates -36.438490 148.621962		Units	No. of samples required by licence	No. of samples collected and analysed	Date Data was Obtained				Units of Measure		
					17/06/2021	8/09/2021				Lowest	Mean
EPA Analysis	Alkalinity (as calcium carbonate)	mg/L	1	2	*	*					
	Ammonia	mg/L	1	2	*	*					
	Calcium	mg/L	1	2	*	*					
	Chloride	mg/L	1	2	*	*					
	Fluoride	mg/L	1	2	*	*					
	Iron	mg/L	1	2	*	*					
	Magnesium	mg/L	1	2	*	*					
	Manganese	mg/L	1	2	*	*					
	Nitrate	mg/L	1	2	*	*					
	pH	pH	1	2	*	*					
	Potassium	mg/L	1	2	*	*					
	Sodium	mg/L	1	2	*	*					
	Sulfate	mg/L	1	2	*	*					
	Total organic carbon	mg/L	1	2	*	*					
	Total Phenolics	mg/L	1	2	*	*					
	Zinc	mg/L	1	2	*	*					
	Aluminium (total)	mg/L	1	2	*	*					
	Arsenic	µg/L	1	2	*	*					
	Barium	µg/L	1	2	*	*					
	Benzene	µg/L	1	2	*	*					
	Cadmium	µg/L	1	2	*	*					
	Chromium (hexavalent)	mg/L	1	2	*	*					
	Chromium (total)	mg/L	1	2	*	*					
	Cobalt	µg/L	1	2	*	*					
	Copper	µg/L	1	2	*	*					
	Ethyl benzene	µg/L	1	2	*	*					
	Lead	µg/L	1	2	*	*					
	Mercury	µg/L	1	2	*	*					
	Nitrite	mg/L	1	2	*	*					
	Nitrogen (ammonia)	mg/L	1	2	*	*					
	Organochlorine pesticides	µg/L	1	2	*	*					
	Organophosphate pesticides	µg/L	1	2	*	*					
Polycyclic aromatic hydrocarbons	µg/L	1	2	*	*						
Toluene	µg/L	1	2	*	*						
Total dissolved solids (TDS)	mg/L	1	2	*	*						
Total petroleum hydrocarbons	µg/L	1	2	*	*						
Xylene	µg/L	1	2	*	*						

* Indicates that the monitoring location was dry