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

		Data Las	t Upda	ted on	W	ednes	sday, 4 March 2020				
	Monitoring Location 1				Date D	Data was	s Obtair	ned	Units of Measure		
	Leachate Dam Primary		No. of samples		18/08/2019	15/11/2019	25/02/2020				
	GPS Coordinates		required by	collected and	8/2	1/2	2/2				
	-36.43736 148.62392	Units	licence	analysed	0/8	5/1	5/0		Lowest	Mean	Highest
	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	*	*	*				
	рН	рН	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	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
aly	Arsenic	μg/L	1	3	*	*	*				
	Barium	μg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
ш	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 Lead	μg/L	1	3	*	*	*				
	Mercury	μg/L μg/L	1	3	*	*	*				
	Nitrite	μg/L mg/L	1	3	*	*	*				
	Nitrogen (ammonia)	mg/L	1	3	*	*	*				
	Organocholrine 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 locati	on was d	ry								

Monitoring Location 4					Date Data was Obtained			Units of Measure			
	Ground Water 1		No. of	No. of	6	0	_				
	Bore Hole 101		samples		018	018	020				
	GPS Coordinates		required by	collected and	8/2	1/2	2/2				
	-36.436511 148.621315	Units	licence	analysed	18/08/2019	15/11/2019	25/02/2020		Lowest	Mean	Highest
	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	*	*	*				
	рН	рН	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	*	*	*				
တ	Total phenolics	mg/L	4	3	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
nal	Arsenic	mg/L	1	3	*	*	*				
A	Barium	mg/L	1	3	*	*	*				
EPA	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	*	*	*				
	Organocholrine 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 locati	on was d	ry								

Monitoring Location 5					Date Data was Obtained			Units of Measure			
	Ground Water 2 Bore Hole 102 GPS Coordinates -36.438189 148.622499	Units	No. of samples required by licence		18/08/2019	15/11/2019	25/02/2020		Lowest	Mean	Highest
	Adsorbable organic halogens	μg/L	4	3	*	*	*				J
	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	*	*	*				
	рН	рН	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	*	*	*				
S	Total phenolics	mg/L	4	3	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
na	Arsenic	mg/L	1	3	*	*	*				
A	Barium	mg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
	Cadmium	mg/L	1	3	*	*	*				
	Chromium (hexavalent)	mg/L	1	3	*	*	*				
	Chromium (total)	mg/L	1	3	*	*	*				
		μg/L	1	3	*	*	*				
	Copper	μg/L	1	3	*	*	*				
	Ethyl benzene	μg/L	1	3	*	*	*				
	Lead	μg/L	1	3	*	*	*				
	Mercury Nitrite	μg/L	1	3	*	*	*				
		mg/L	1	3	*	*	*				
	Nitrogen (ammonia) Organocholrine pesticides	mg/L μg/L	1	3	*	*	*				
	Organochoinne pesticides Organophosphate pesticides	μg/L μg/L	1	3	*	*	*				
	Polycyclic aromatic hydrocarbons	. •	1	3	*	*	*				
	Toluene	μg/L μg/L	1	3	*	*	*				
	Total dissolved solids (TDS)	μg/L mg/L	1	3	*	*	*				
	Total petroleum hydrocarbons	μg/L	1	3	*	*	*				
	Xylene	μg/L	1	3	*	*	*				
*	Indicates that the monitoring locati		ry			I		<u>I</u>		I	ı
-	maioatos that the morntoning locati	on was u	• 3								

Monitoring Location 6					Date Data was Obtained			Units of Measure			
	Ground Water 3 Bore Hole 103 GPS Coordinates -36.439275 148.622198	Units	No. of samples required by licence		18/08/2019	15/11/2019	25/02/2020		Lowest	Mean	Highest
	Adsorbable organic halogens	μg/L	4	3	*	*	*		2011001	Modif	- ngnoot
	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	рН	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	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
aly	Arsenic	mg/L	1	3	*	*	*				
A	Barium	mg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
"	Cadmium	mg/L	1	3	*	*	*				
	Chromium (hexavalent)	mg/L	1	3	*	*	*				
	Chromium (total)	mg/L	1	3	*	*	*				
	, , , ,	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	*	*	*				
	Organocholrine 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 locati	on was d	ry								

Monitoring Location 7					Date Data was Obtained			Units of Measure			
	Ground Water 4 Bore Hole 5 GPS Coordinates -36.439049 148.621447	Units	No. of samples required by licence		18/08/2019	15/11/2019	25/02/2020		Lowest	Mean	Highest
	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	*	*	*				
	рН	рН	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	*	*	*				
လ္	Total phenolics	mg/L	4	3	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
ına	Arsenic	mg/L	1	3	*	*	*				
A	Barium	mg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
	Cadmium	mg/L	1	3	*	*	*		-		
	Chromium (hexavalent)	mg/L	1	3	*	*	*				
	Chromium (total)	mg/L	1	3	*	*	*				
		μg/L	1	3	*	*	*				
	Copper	μg/L	1	3	*	*	*				
	Ethyl benzene	μg/L	1	3	*	*	*				
	Lead Mercury	μg/L	1	3 3	*	*	*				
	Nitrite	μg/L mg/L	1	3	*	*	*				
	Nitrogen (ammonia)	mg/L	1	3	*	*	*				
	Organocholrine pesticides (OC)	μg/L	1	3	*	*	*				
	(OP)	μg/L μg/L	1	3	*	*	*				
	Polycyclic aromatic hydrocarbons		1	3	*	*	*				
	Toluene	μg/L μg/L	1	3	*	*	*				
	Total dissolved solids (TDS)	mg/L	1	3	*	*	*				
	Total petroleum hydrocarbons	μg/L	1	3	*	*	*				
	Xylene	μg/L	1	3	*	*	*		1		
*	Indicates that the monitoring locati		ry			1	1	1		ı	
_	maicales that the monitoring locati	on was u	ı y								

	Monitoring Location 8				Date Data was Obtained			Units of Measure			
	Leachate Dam Secondary GPS Coordinates -36.438490 148.621962	Units	No. of samples required by licence	No. of samples collected and analysed	18/08/2019	15/11/2019	25/02/2020		Lowest	Mean	Highest
	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	*	*	*				
	рН	рН	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	*	*	*				
Sis	Aluminium (total)	mg/L	1	3	*	*	*				
Analysis	Arsenic	μg/L	1	3	*	*	*				
An	Barium	μg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
Ш	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	*	*	*				
	Organocholrine 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	locatio	n was dr	У							