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

A C	Monitoring Location 1 Leachate Dam Primary GPS Coordinates -36.43736 148.62392 Alkalinity (as calcium carbonate)	Units	No. of samples required by	No. of samples collected		ata was	s Obtai	ned	Units	s of Me	asure
A C	GPS Coordinates -36.43736 148.62392 Alkalinity (as calcium carbonate)	Units	samples required	samples	7	~					
A C			licence	and analysed	/80/	13/03/2018	30/05/2018		Lowest	Mean	Highest
A C		mg/L	1	3		*	*				
C	Ammonia	mg/L	1	3	*	*	*				
	Calcium	mg/L	1	3	*	*	*				
C	Chloride	mg/L	1	3	*	*	*				
F	luoride	mg/L	1	3	*	*	*				
lr	ron	mg/L	1	3	*	*	*				
N	/lagnesium	mg/L	1	3	*	*	*				
Ν	/langanese	mg/L	1	3	*	*	*				
Ν	litrate	mg/L	1	3	*	*	*				
р	Н	рН	1	3	*	*	*				
P	Potassium	mg/L	1	3	*	*	*				
S	Sodium	mg/L	1	3	*	*	*				
S	Sulfate	mg/L	1	3	*	*	*				
T	otal organic carbon	mg/L	1	3	*	*	*				
T	otal Phenolics	mg/L	1	3	*	*	*				
Z	Zinc	mg/L	1	3	*	*	*				
. <mark>S</mark> . △	Aluminium (total)	mg/L	1	3	*	*	*				
Analysis	Arsenic	μg/L	1	3	*	*	*				
	Barium	μg/L	1	3	*	*	*				
EPA B	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	*	*	*				
	ead	μg/L	1	3	*	*	*				<u> </u>
	Mercury	μg/L	1	3	*	*	*				
	litrite	mg/L	1	3	*	*	*				
	litrogen (ammonia)	mg/L	1	3	*	*	*				-
	Organocholrine pesticides	μg/L	1	3	*	*	*				
	Organophosphate pesticides	μg/L	1	3	*	*	*				
	Polycyclic aromatic hydrocarbons	μg/L	1	3	*	*	*				
	oluene	μg/L	1	3	*	*	*				-
	otal dissolved solids (TDS)	mg/L	1	3	*	*	*				-
	otal petroleum hydrocarbons Cylene	μg/L μg/L	1	3	*	*	*				
	ndicates that the monitoring locati		m (3			·				

Monitoring Location 4					Date Data was Obtained			Units of Measure			
	Ground Water 1		No. of	No. of	2		m				
	Bore Hole 101		samples required		30/08/2017	13/03/2018	30/05/2018				
	GPS Coordinates		by	and	7/80	33/2)5/2				
	-36.436511 148.621315	Units	licence	analysed	30/(13/(30/(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	*	*	*				
S	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			ned	Units of Measure		
	Ground Water 2		No. of	No. of	2	8	8				
	Bore Hole 102		samples required		30/08/2017	2018	2018				
	GPS Coordinates		by	and	7/80	33/2)5/2				
	-36.438189 148.622499	Units	licence	analysed	30/(13/03/2018	30/05/2018		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	*	*	*				
S	Total phenolics	mg/L	4	3	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
nal	Arsenic	mg/L	1	3	*	*	*				
A 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 6					Date Data was Obtained			Units of Measure			
	Ground Water 3		No. of	No. of		~	~				
	Bore Hole 103		samples required		30/08/2017	13/03/2018	30/05/2018				
	GPS Coordinates		by	and	78/5	33/2)5/2				
	-36.439275 148.622198	Units	licence	analysed	30/(13/(30/(Lowest	Mean	Highest
	Adsorbable organic halogens	μg/L	4	1			*				
	Alkalinity (as calcium carbonate)	mg/L	4	1			*				
	Ammonia	mg/L	4	1			*				
	Calcium	mg/L	4	1			*				
	Chloride	mg/L	4	1			*				
	Fluride	mg/L	4	1			*				
	Iron	mg/L	4	1			*				
	Magnesium	mg/L	4	1			*				
	Manganese	mg/L	4	1			*				
	Nitrate	mg/L	4	1			*				
	pH	рН	4	1			*				
	Potassium	mg/L	4	1			*				
	Sodium	mg/L	4	1			*				
	Standing Water Level	m	4	1			*				
	Sulfate	mg/L	4	1			*				
	Total organic carbon	mg/L	4	1			*				
S	Total phenolics	mg/L	4	1			*				
Analysis	Aluminium (total)	mg/L	1	1			*				
na	Arsenic	mg/L	1	1			*				
A	Barium	mg/L	1	1			*				
EPA	Benzene	μg/L	1	3	<1	<1	*				
	Cadmium	mg/L	1	1			*				
	Chromium (hexavalent)	mg/L	1	1			*				
	Chromium (total)	mg/L	1	1			*				
		μg/L	1	1			*				
	Copper	μg/L	1	1			*				
	Ethyl benzene	μg/L	1	3	<2	<2	*				
	Lead	μg/L	1	1			*				
	Mercury	μg/L	1	3	<0.1	0.4	*		0.4	0.4	0.4
	Nitrite	mg/L	1	3			*				
	Nitrogen (ammonia)	mg/L	1	3	9.02	1.81	*		1.81	5.415	9.02
	Organocholrine pesticides (OC)	μg/L	1	3	<2.0	<2.0	*				
	(OP)	μg/L	1	3	<2.0	<2.0	*				
	Polycyclic aromatic hydrocarbons	μg/L	1	3	<1.0	<1.1	*				
	Toluene	μg/L	1	3	<2	<2	*				
	Total dissolved solids (TDS)	mg/L	1	1			*				
	Total petroleum hydrocarbons	μg/L	1	3		<100	*				
	Xylene	μg/L	1	3	<2	<2	*				
*	Indicates that the monitoring locati	on was d	ry								

	Monitoring Location 7				Date D	ata wa	s Obtai	ned	Units	s of Mea	asure
	Ground Water 4 Bore Hole 5 GPS Coordinates -36.439049 148.621447		No. of samples required by licence	No. of samples collected and analysed	30/08/2017	13/03/2018	30/05/2018		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	*	*	*				
10	Total phenolics	mg/L	4	3	*	*	*				
Analysis	Aluminium (total)	mg/L	1	3	*	*	*				
Jaly	Arsenic	mg/L	1	3	*	*	*				
	Barium	mg/L	1	3	*	*	*				
EPA	Benzene	μg/L	1	3	*	*	*				
Ш	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		ry						_		

	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	30/08/	13/03/2018	30/05/2018		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							