

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

		Date	16-Jun-21	08-Sep-2021	04-Nov-2021	01-Feb-2022	10-May-22	04-Nov-2021	01-Feb-2022	01-Feb-2022	10-May-22
		Unit	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 1	Monitoring Location 4	Monitoring Location 6	Monitoring Location 6
EA005CA: pH	pH	pH Unit	7.03	7.34	7.28	7.16	6.86	8.63		7.71	7.18
EA015CA: Total Dissolved Solids	Total Dissolved Solids	mg/L	261	289	256	284	510	1900		270	184
EA075CA: Redox Potential	Redox Potential	mV	150	251							
ED009CA: Anions	Chloride	mg/L	7.0	10.0	10.0	28.5	27.1	484		10.7	9.4
ED009CA: Anions	Sulfate	mg/L	20.9	34.7	31.4	9.4	12.7	31.2		42.2	8.6
ED037CA: Alkalinity	Bicarbonate Alkalinity as CaCO3	mg/L	166	183	162	110	136	287		152	138
ED037CA: Alkalinity	Carbonate Alkalinity as CaCO3	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	53.3		<0.1	<0.1
ED037CA: Alkalinity	Hydroxide Alkalinity as CaCO3	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1
ED037CA: Alkalinity	Total Alkalinity as CaCO3	mg/L	166	183	162	110	136	340		152	138
EG005CA: Total Metals by ICP-OES	Aluminium	mg/L	0.20	1.24	0.36	2.97	0.60	16.9		1.30	0.89
EG005CA: Total Metals by ICP-OES	Calcium	mg/L	53.0	61.0	57.8	57.0	81.2	19.3		52.5	32.2
EG005CA: Total Metals by ICP-OES	Chromium	mg/L	0.002	0.002	<0.002	0.002	<0.002	0.022		<0.002	<0.002
EG005CA: Total Metals by ICP-OES	Iron	mg/L			0.40	3.85	0.76	19.1		1.60	1.05
EG005CA: Total Metals by ICP-OES	Magnesium	mg/L	13.1	12.3	13.0	15.2	19.9	36.6		10.2	8.68
EG005CA: Total Metals by ICP-OES	Manganese	mg/L	0.008								
EG005CA: Total Metals by ICP-OES	Nickel	mg/L	<0.005								
EG005CA: Total Metals by ICP-OES	Potassium	mg/L	2.5	2.4	2.4	3.1	2.9	91.0		2.5	2.3
EG005CA: Total Metals by ICP-OES	Sodium	mg/L	16.3	16.0	17.4	15.3	18.9	413		21.7	20.6
EG005CA: Total Metals by ICP-OES	Zinc	mg/L	0.006	0.085				0.086			
EG020CA: Total Metals by ICP-MS	Arsenic	µg/L	<1	<1	<1	<1	<1	17		<1	<1
EG020CA: Total Metals by ICP-MS	Barium	µg/L	7.1	24.6	12.4	30.1	21.8	168		37.3	27.1
EG020CA: Total Metals by ICP-MS	Cadmium	µg/L	<0.05	0.08	<0.05	<0.05	<0.05	0.12		<0.05	<0.05
EG020CA: Total Metals by ICP-MS	Cobalt	µg/L	0.2	1.1	0.3	4.8	0.7	16.2		0.9	0.5
EG020CA: Total Metals by ICP-MS	Copper	µg/L	2	8	4	20	6	32		3	2
EG020CA: Total Metals by ICP-MS	Lead	µg/L	1.3	9.9	2.1	5.5	1.6	11.3		1.3	0.8
EG020CA: Total Metals by ICP-MS	Manganese	µg/L			13.9	119	24.2			48.2	41.0
EG020CA: Total Metals by ICP-MS	Mercury	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1
EG050G: Hexavalent Chromium by Discrete Analyser	Hexavalent Chromium	mg/L			<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
EK040CA: Fluoride	Fluoride	mg/L	0.18	0.22	0.11	<0.05	<0.05	0.15		<0.05	<0.05



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		Unit	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 7	Monitoring Location 1	Monitoring Location 4	Monitoring Location 6	Monitoring Location 6
EP068B: Organophosphorus Pesticides (OP)	Diazinon	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Dichlorvos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Dimethoate	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Ethion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Fenamiphos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Fenthion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Malathion	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Monocrotophos	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
EP068B: Organophosphorus Pesticides (OP)	Parathion	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
EP068B: Organophosphorus Pesticides (OP)	Parathion-methyl	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
EP068B: Organophosphorus Pesticides (OP)	Pirimphos-ethyl	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068B: Organophosphorus Pesticides (OP)	Prothiofos	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP068S: Organochlorine Pesticide Surrogate	Dibromo-DDE	%	76.6	99.1	96.1	97.6	72.4	73.1	76.1	100	76.1
EP068T: Organophosphorus Pesticide Surrogate	DEF	%	80.1	96.6	105	88.0	76.6	86.3	97.9	81.5	80.7
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Acenaphthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Acenaphthylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Benz(a)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Benzo(a)pyrene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Benzo(g,h,i)perylene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Benzo(k)fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Chrysene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Dibenz(a,h)anthracene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Fluoranthene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Fluorene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Indeno(1,2,3-cd)pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Naphthalene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Phenanthrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Pyrene	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons	Sum of polycyclic aromatic hydrocarbons	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
EP075(SIM)S: Phenolic Compound Surrogates	2,4,6-Tribromophenol	%	47.9	33.7	59.7	77.2	33.8	50.1	66.3	67.9	35.2
EP075(SIM)S: Phenolic Compound Surrogates	2-Chlorophenol-D4	%	47.6	39.7	47.6	59.7	58.5	43.9	44.6	56.5	61.8
EP075(SIM)S: Phenolic Compound Surrogates	Phenol-d6	%	25.5	18.8	22.8	27.8	24.1	25.5	21.4	26.6	25.7
EP075(SIM)T: PAH Surrogates	2-Fluorobiphenyl	%	51.0	57.0	56.7	72.4	70.7	56.0	55.4	64.5	76.6
EP075(SIM)T: PAH Surrogates	4-Terphenyl-d14	%	74.6	85.5	94.8	93.0	82.3	76.1	66.3	84.1	83.7

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EP075(SIM)T: PAH Surrogates	Anthracene-d10	%	70.4	69.5	98.2	85.8	98.3	79.5	65.2	78.6	90.3
EP080/071: Total Petroleum Hydrocarbons	C10 - C14 Fraction	µg/L	<50	<50	<50	<50	<50	70	<50	<50	<50
EP080/071: Total Petroleum Hydrocarbons	C10 - C36 Fraction (sum)	µg/L	<50	70	<50	<50	<50	550	600	<50	<50
EP080/071: Total Petroleum Hydrocarbons	C15 - C28 Fraction	µg/L	<100	<100	<100	<100	<100	370	490	<100	<100
EP080/071: Total Petroleum Hydrocarbons	C29 - C36 Fraction	µg/L	<50	70	<50	<50	<50	110	110	<50	<50
EP080/071: Total Petroleum Hydrocarbons	C6 - C9 Fraction	µg/L	<20	<20	<20	<20	<20	<20	<20	<20	<20
EP080: BTEXN	Benzene	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP080: BTEXN	Ethylbenzene	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
EP080: BTEXN	meta- & para-Xylene	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
EP080: BTEXN	ortho-Xylene	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
EP080: BTEXN	Sum of BTEX	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1
EP080: BTEXN	Toluene	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
EP080: BTEXN	Total Xylenes	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2
EP080S: TPH(V)/BTEX Surrogates	1,2-Dichloroethane-D4	%	94.9	107	99.4	97.0	103	104	114	96.1	105
EP080S: TPH(V)/BTEX Surrogates	4-Bromofluorobenzene	%	97.2	122	94.1	102	97.6	105	118	102	102
EP080S: TPH(V)/BTEX Surrogates	Toluene-D8	%	96.4	119	88.6	108	99.2	102	128	108	106

Please note: if results are not listed, testing locations were dry at requested time for conducting sampling