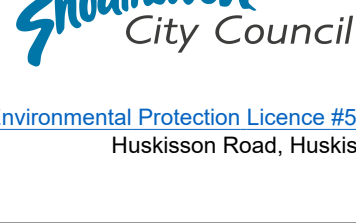


Huskisson Recycling & Waste Facility - 2021 - 2022 EPL Water Monitoring Data

Licencee: Shoalhaven City Council, PO Box 42 Nowra 2541



Environmental Protection Licence #5078

Huskisson Road, Huskisson

MW01

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	0	0	0	0	0
Ammonia as N	mg/L	Quarterly	0	0	0	0	0
Calcium	mg/L	Quarterly	0	0	0	0	0
Chloride	mg/L	Quarterly	0	0	0	0	0
Fluoride	mg/L	Quarterly	0	0	0	0	0
Magnesium	mg/L	Quarterly	0	0	0	0	0
pH	Units	Quarterly	0	0	0	0	0
Potassium	mg/L	Quarterly	0	0	0	0	0
Sodium	mg/L	Quarterly	0	0	0	0	0
Standing water level	m AHD	Quarterly	0	0	0	0	0
Sulphate	mg/L	Quarterly	0	0	0	0	0
Total Dissolved Solids	mg/L	Quarterly	0	0	0	0	0
Total Organic Carbon	mg/L	Quarterly	0	0	0	0	0

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	0	DRY	DRY
Arsenic	mg/L	Annual	0	DRY	DRY
Barium	mg/L	Annual	0	DRY	DRY
Benzene	ug/L	Annual	0	DRY	DRY
Biochemical Oxygen Demand	mg/L	Annual	0	DRY	DRY
Cadmium	mg/L	Annual	0	DRY	DRY
Hexavalent Chromium	mg/L	Annual	0	DRY	DRY
Total Chromium	mg/L	Annual	0	DRY	DRY
Cobalt	mg/L	Annual	0	DRY	DRY
Copper	mg/L	Annual	0	DRY	DRY
Ethyl- Benzene	mg/L	Annual	0	DRY	DRY
Fluoride	mg/L	Annual	0	DRY	DRY
Lead	mg/L	Annual	0	DRY	DRY
Manganese	mg/L	Annual	0	DRY	DRY
Mercury	mg/L	Annual	0	DRY	DRY
Nickel	mg/L	Annual	0	DRY	DRY
Nitrate	mg/L	Annual	0	DRY	DRY
Nitrite	mg/L	Annual	0	DRY	DRY
Nitrogen (total)	mg/L	Annual	0	DRY	DRY
Phosphorous (total)	mg/L	Annual	0	DRY	DRY
Redox Potential	ug/L	Annual	0	DRY	DRY
Toluene	ug/L	Annual	0	DRY	DRY
TRHs	ug/L	Annual	0	DRY	DRY
Xylene	mg/L	Annual	0	DRY	DRY
Zinc	mg/L	Annual	0	DRY	DRY

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	96	150.25	147	211
Ammonia as N	mg/L	Quarterly	2	0.01	0.125	0.125	0.24
Calcium	mg/L	Quarterly	4	40	41.5	41	44
Chloride	mg/L	Quarterly	4	780	1662.5	1695	2480
Fluoride	mg/L	Quarterly	0	0	0	0	0
Lead	mg/L	Quarterly	4	80	133.5	5.6	180
Magnesium	mg/L	Quarterly	4	5.5	6.2	6.1	7.1
Potassium	mg/L	Quarterly	4	6	8.75	8.5	12
Sodium	mg/L	Quarterly	4	448	874.75	960.5	1130
Standing water level	m AHD	Quarterly	3	0.2	2.07	2.8	3.21
Sulphate	mg/L	Quarterly	4	1100	1721.5	1160	1270
Total Dissolved Solids	mg/L	Quarterly	3	1640	3420	3580	5040
Total Organic Carbon	mg/L	Quarterly	4	14	18.5	16	28

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	1.25	0.43
Arsenic	mg/L	Annual	1	0.003	0.004
Barium	mg/L	Annual	1	0.055	0.037
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0	0.0001	<0.0001
Cadmium	mg/L	Annual	0	<0.01	<0.01
Hexavalent Chromium	mg/L	Annual	1	0.002	0.002
Total Chromium	mg/L	Annual	1	0.335	0.172
Cobalt	mg/L	Annual	1	0.11	0.28
Copper	mg/L	Annual	0	<2	<2
Ethyl- Benzene	mg/L	Annual	1	2	0.9
Fluoride	mg/L	Annual	1	0.009	0.01
Lead	mg/L	Annual	1	2.88	1.51
Manganese	mg/L	Annual	0	<0.0001	<0.0001
Mercury	mg/L	Annual	0	0.02	0.36
Nickel	mg/L	Annual	0	<0.01	<0.01
Nitrate	mg/L	Annual	1	0.02	0.36
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	0.02	0.36
Phosphorous (total)	mg/L	Annual	0	<2	<2
Redox Potential	ug/L	Annual	1	184	<206
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.576	0.279

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	51	63.25	69.5	77
Ammonia as N	mg/L	Quarterly	4	0.01	0.015	0.015	0.02
Calcium	mg/L	Quarterly	4	22	23.75	24	25
Chloride	mg/L	Quarterly	4	560	577.25	573	603
Fluoride	mg/L	Quarterly	0	0	0	0	0
Lead	mg/L	Quarterly	4	47	49.5	49.5	52
Magnesium	mg/L	Quarterly	4	6	6.5	6	8
Potassium	mg/L	Quarterly	4	6	6.5	6	8
Sodium	mg/L	Quarterly	4	264	285.5	292.5	293
Standing water level	m AHD	Quarterly	3	0.04	0.0533333	0.05	0.07
Sulphate	mg/L	Quarterly	4	104	109.25	109.5	114
Total Dissolved Solids	mg/L	Quarterly	4	1100	1721.5	1160	1270
Total Organic Carbon	mg/L	Quarterly	3	0	1.3333333	2	2

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	0	0.86	0.56
Arsenic	mg/L	Annual	0	<0.001	<0.001
Barium	mg/L	Annual	0	0.049	0.048
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0	0.002	<0.0001
Cadmium	mg/L	Annual	0	0.0001	<0.0001
Hexavalent Chromium	mg/L	Annual	0	0.002	<0.001
Total Chromium	mg/L	Annual	0	0.002	<0.001
Cobalt	mg/L	Annual	1	0.022	0.018
Copper	mg/L	Annual	1	0.004	0.006
Ethyl- Benzene	mg/L	Annual	1	0.11	0.28
Fluoride	mg/L	Annual	1	0.6	0.6
Lead	mg/L	Annual	1	0.002	0.002
Manganese	mg/L	Annual	1	0.824	0.776
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0	<0.01	<0.002
Nitrate	mg/L	Annual	1	<0.01	0.02
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	<0.01	0.02
Phosphorous (total)	mg/L	Annual	0	<2	<2
Redox Potential	ug/L	Annual	1	174	<199
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.124	0.152

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	53	106.75	89.5	195
Ammonia as N	mg/L	Quarterly	4	0.06	0.0975	0.09	0.15
Calcium	mg/L	Quarterly	4	48	66.5	51.4	57.4
Chloride	mg/L	Quarterly	4	647	1033.75	1054	1380
Fluoride	mg/L	Quarterly	0	0	0	0	0
Lead	mg/L	Quarterly	4	68	96.75	96	127
Magnesium	mg/L	Quarterly	4	5.2	5.625	5.5	6.3
Potassium	mg/L	Quarterly	4	522	612.75	607.5	69
Sodium	mg/L	Quarterly	4	330	490	482	666
Standing water level	m AHD	Quarterly	3	2.6	3.2766667	3.43	3.8
Sulphate	mg/L	Quarterly	4	124	147.75	153.5	160
Total Dissolved Solids	mg/L	Quarterly	4	1670	2085	2065	2540
Total Organic Carbon	mg/L	Quarterly	4	2	12	10.5	25

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	0.25	0.25
Arsenic	mg/L	Annual	1	<0.01	0.06
Barium	mg/L	Annual	1	0.08	0.08
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0	<0.001	0.001
Cadmium	mg/L	Annual	0	<0.01	<0.01
Hexavalent Chromium	mg/L	Annual	1	0.002	0.006
Total Chromium	mg/L	Annual	1	0.001	0.006
Cobalt	mg/L	Annual	1	0.024	0.019
Copper	mg/L	Annual	1	<0.001	0.014
Ethyl- Benzene	mg/L	Annual	0	<2	<2
Fluoride	mg/L	Annual	1	<0.001	0.012
Lead	mg/L	Annual	1	0.169	0.34
Manganese	mg/L	Annual	0	0.463	0.571
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0	<0.01	0.07
Nitrate	mg/L	Annual	0	<0.01	<0.01
Nitrite	mg/L	Annual	1	<0.01	0.07
Nitrogen (total)	mg/L	Annual	1	<0.01	0.07
Phosphorous (total)	mg/L	Annual	0	<2	<2
Redox Potential	ug/L	Annual	1	112	<218
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	0	<50	<50
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.131	0.298

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	3	10.25	10	38
Ammonia as N	mg/L	Quarterly	3	0.1	0.2066667	0.22	0.3
Calcium	mg/L	Quarterly	4	8	8.75	9	9
Chloride	mg/L	Quarterly	4	522	612.75	607.5	69
Fluoride	mg/L	Quarterly	0	0	0	0	0
Lead	mg/L	Quarterly	4	41	52	52.5	62
Magnesium	mg/L	Quarterly	4	4.7	5.05	5.1	5.3
Potassium	mg/L	Quarterly	3	0	1.6666667	2	3
Sodium	mg/L	Quarterly	4	275	300.5	323.5	360
Standing water level	m AHD	Quarterly	3	2.62	3.3166667	3.35	3.98
Sulphate	mg/L	Quarterly	4	152	166.75	164	187
Total Dissolved Solids	mg/L	Quarterly	4	10	13.20	1340	1630
Total Organic Carbon	mg/L	Quarterly	4	10	16.25	16.5	17

Analyte	Units	Monitoring Frequency Req'd	# of times measured	Mar-21	Apr-22
Aluminium	mg/L	Annual	1	0.37	3.61
Arsenic	mg/L	Annual	1	<0.001	0.003
Barium	mg/L	Annual	1	0.066	0.054
Benzene	ug/L	Annual	0	<1	<1
Biochemical Oxygen Demand	mg/L	Annual	0	<0.0001	<0.0001
Cadmium	mg/L	Annual	0	<0.01	<0.01
Hexavalent Chromium	mg/L	Annual	0	<0.01	<0.01
Total Chromium	mg/L	Annual	1	0.004	0.005
Cobalt	mg/L	Annual	1	0.001	0.008
Copper	mg/L	Annual	1	0.001	0.008
Ethyl- Benzene	mg/L	Annual	0	<2	<2
Fluoride	mg/L	Annual	1	<0.1	0.1
Lead	mg/L	Annual	1	<0.001	0.012
Manganese	mg/L	Annual	1	0.169	0.34
Mercury	mg/L	Annual	0	<0.0001	<0.0001
Nickel	mg/L	Annual	0	<0.01	0.03
Nitrate	mg/L	Annual	0	<0.01	0.03
Nitrite	mg/L	Annual	0	<0.01	<0.01
Nitrogen (total)	mg/L	Annual	1	<0.01	0.03
Phosphorous (total)	mg/L	Annual	0	<2	<2
Redox Potential	ug/L	Annual	1	66.4	<188
Toluene	ug/L	Annual	0	<2	<2
TRHs	ug/L	Annual	1	250	360
Xylene	mg/L	Annual	0	<2	<2
Zinc	mg/L	Annual	1	0.018	0.07

Analyte	Units of measure	Frequency of Monitoring Req'd	# of times measured	Min Value	Mean Value	Median Value	Max Value
Alkalinity (CaCO3)	mg/L	Quarterly	4	0	2	2	4
Ammonia as N	mg/L	Quarterly	4	0.03	0.0525	0.04	0.1
Calcium	mg/L	Quarterly	4	7	10.25	7.5	19
Chloride	mg/L	Quarterly	4	958	1174.5	1205	1330
Fluoride	mg/L	Quarterly	0	0	0	0	0
Lead	mg/L						