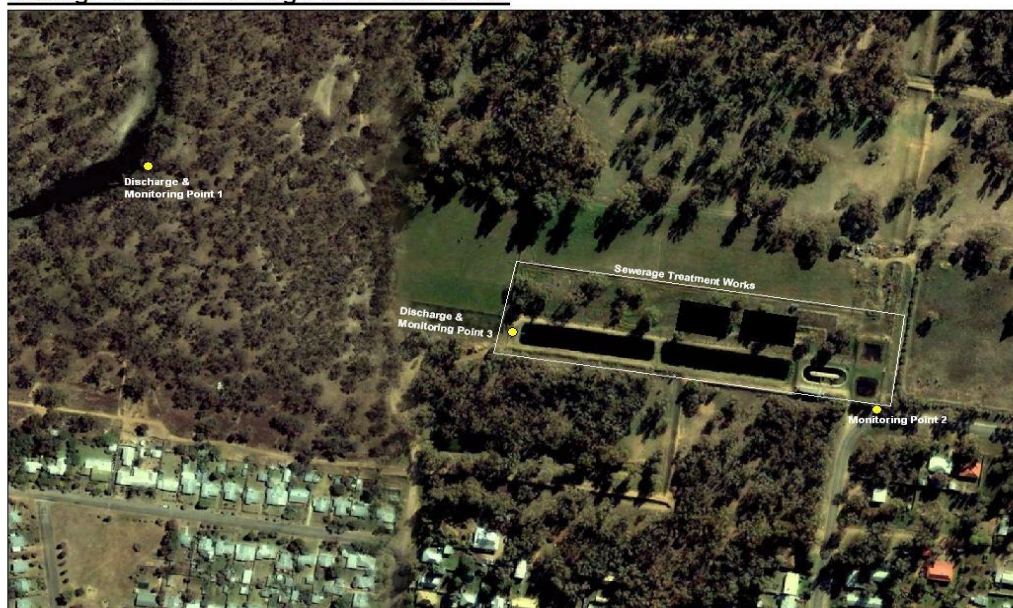


ARCHIVED POLLUTION MONITORING DATA DARLINGTON POINT SEWAGE TREATMENT SYSTEM

Darlington Point Sewerage Treatment Works



Link to full licence on EPA website:

<http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33729&SYSUID=1&LICID=6260>

Licensee: Murrumbidgee Council, PO Box 5 Darlington Point NSW 2706
Address of Facility: Boyd Street, Darlington Point NSW

Sampling Point 1

Date Sample: 20 September 2023

Date Obtained: 25 September 2023

Date Published: 25 October 2023

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	27	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	4	10
Nitrate	Milligrams per litre	1.3	0.1
Oil and Grease	Milligrams per litre	1	10
pH	Milligrams per litre	7.9	6.5-8.5
Phosphorus (total)	Milligrams per litre	2.94	10
Faecal Coliforms	CFU/100ml	38	200
Total Kjeldahl Nitrogen	Milligrams per litre	3	2
Total Suspended Solids	Milligrams per litre	17	15

Sampling Point 1

Date Sample: 13 June 2023

Date Obtained: 15 June 2023

Date Published: 11 July 2023

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	23	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	6	10
Nitrate	Milligrams per litre	0.6	0.1
Oil and Grease	Milligrams per litre	1	10
pH	Milligrams per litre	5.03	6.5-8.5
Phosphorus (total)	Milligrams per litre	7.5	10
Faecal Coliforms	CFU/100ml	6	200
Total Kjeldahl Nitrogen	Milligrams per litre	5	2
Total Suspended Solids	Milligrams per litre	27	15

Sampling Point 1

Date Sample: 21 March 2023

Date Obtained: 20 April 2023

Date Published: 5 May 2023

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	4	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	<2	10
Nitrate	Milligrams per litre	0.1	0.1
Oil and Grease	Milligrams per litre	3	10
pH	Milligrams per litre	9.4	6.5-8.5
Phosphorus (total)	Milligrams per litre	2.26	10
Faecal Coliforms	CFU/100ml	56	200
Total Kjeldahl Nitrogen	Milligrams per litre	<2	2
Total Suspended Solids	Milligrams per litre	36	15

Sampling Point 1

Date Sample: 06 December 2022

Date Obtained: 07 December 2022

Date Published: 10 January 2022

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	3	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	2	10
Nitrate	Milligrams per litre	<0.1	0.1
Oil and Grease	Milligrams per litre	1	10
pH	Milligrams per litre	10.2	6.5-8.5
Phosphorus (total)	Milligrams per litre	2.07	10
Faecal Coliforms	CFU/100ml	4890	200
Total Kjeldahl Nitrogen	Milligrams per litre	2	2
Total Suspended Solids	Milligrams per litre	8	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 20 September 2022

Date Obtained: 21 September 2022

Date Published: 7 October 2022

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	<2	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	3	10
Nitrate	Milligrams per litre	1	0.1
Oil and Grease	Milligrams per litre	<1	10
pH	Milligrams per litre	9.1	6.5-8.5
Phosphorus (total)	Milligrams per litre	3.94	10
Faecal Coliforms	CFU/100ml	600000	200
Total Kjeldahl Nitrogen	Milligrams per litre	2	2
Total Suspended Solids	Milligrams per litre	7	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 14 June 2022

Date Obtained: 9 July 2022

Date Published: 19 July 2022

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	10	10
Chlorine Residual – Free	Milligrams per litre	Not provided	0.5
Nitrogen (total)	Milligrams per litre	3	10
Nitrate	Milligrams per litre	0.2	0.1
Oil and Grease	Milligrams per litre	1	10
pH	Milligrams per litre	9.2	6.5-8.5
Phosphorus (total)	Milligrams per litre	3.73	10
Faecal Coliforms	CFU/100ml	66	200
Total Kjeldahl Nitrogen	Milligrams per litre	3	2
Total Suspended Solids	Milligrams per litre	26	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 5 May 2020

Date Obtained: 4 June 2020

Date Published: 18 June 2020

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	2	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	4	10
Nitrate	Milligrams per litre	1.8	0.1
Oil and Grease	Milligrams per litre	4	10
pH	Milligrams per litre	7.6	6.5-8.5
Phosphorus (total)	Milligrams per litre	3.73	10
Faecal Coliforms	CFU/100ml	740	200
Total Kjeldahl Nitrogen	Milligrams per litre	2	2
Total Suspended Solids	Milligrams per litre	13	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 28 January 2020

Date Obtained: 31 January 2020

Date Published: 13 March 2020

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	4	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	4	10
Nitrate	Milligrams per litre	<0.1	0.1
Oil and Grease	Milligrams per litre	3	10
pH	Milligrams per litre	9.2	6.5-8.5
Phosphorus (total)	Milligrams per litre	2.84	10
Faecal Coliforms	CFU/100ml	6	200
Total Kjeldahl Nitrogen	Milligrams per litre	4	2
Total Suspended Solids	Milligrams per litre	32	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 8 October 2019

Date Obtained: 14 October 2019

Date Published: 19 October 2019

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	<2	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Nitrogen (total)	Milligrams per litre	2	10
Nitrate	Milligrams per litre	0.5	0.1
Oil and Grease	Milligrams per litre	3	10
pH	Milligrams per litre	7.8	6.5-8.5
Phosphorus (total)	Milligrams per litre	1.98	10
Faecal Coliforms	CFU/100ml	<1	200
Total Kjeldahl Nitrogen	Milligrams per litre	2	2
Total Suspended Solids	Milligrams per litre	7	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 19 March 2019

Date Obtained: 20 March 2019

Date Published: 4 April 2019

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	5	10
Chlorine Residual – Free	Milligrams per litre	<0.5	0.5
Conductivity	Microsiemens per centimetre		
Nitrogen (total)	Milligrams per litre	3	10
Nitrate	Milligrams per litre	<0.1	0.1
Oil and Grease	Milligrams per litre	1	10
pH	Milligrams per litre	9.4	6.5-8.5
Phosphorus (total)	Milligrams per litre	3.03	10
Faecal Coliforms	CFU/100ml	100	200
Total Kjeldahl Nitrogen	Milligrams per litre	3	2
Total Suspended Solids	Milligrams per litre	20	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 17 April 2017

Date Obtained: 19 April 2017

Date Published: 4 May 2017

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	9	10
Conductivity	Microsiemens per centimetre	749	
Nitrogen (total)	Milligrams per litre	5	10
Oil and Grease	Milligrams per litre	5	10
pH	Milligrams per litre	7.6	6.5-8.5
Phosphorus (total)	Milligrams per litre	6.95	10
Faecal Coliforms	CFU/100ml	5540	200
Total Suspended Solids	Milligrams per litre	68	15

Sampling Point 1

Location: Sewerage Treatment Plant, Boyd Street

Date Sample: 14 March 2017

Date Obtained: 22 March 2017

Date Published: 24 March 2017

Pollutant	Unit	Measurement	Licence Limits
Biochemical Oxygen Demand	Milligrams per litre	7	10
Conductivity	Microsiemens per centimetre	753	
Nitrogen (total)	Milligrams per litre	0.1	10
Oil and Grease	Milligrams per litre	<1	10
pH	Milligrams per litre	8.2	6.5-8.5
Phosphorus (total)	Milligrams per litre	1.7	10
Faecal Coliforms	CFU/100ml	490	200
Total Suspended Solids	Milligrams per litre	65	15

Sampling Point

Location: Sewerage Treatment Plant, Boyd Street

Published: 20/10/16

Obtained: Quarterly

POLLUTANTS	Jul 2016	Oct 2016	100 Percentile Limit	Exceedance (yes/no)
Conductivity (uS/cm)	621	641		
Oil & Grease (mg/L)	1	<1		
pH (pH units)	8.2	7.9	6.5-8.5	No
Nitrogen (mg/L)	<0.1	3.5	10	No
Phosphorus (mg/L)	5.49	4	10	No
Faecal Coliforms (CFU/100mL)	7760	1120	200	Yes
Total Suspended Solids (mg/L)	42	22	15	Yes
Biochemical Oxygen Demand (mg/L)	4	3	10	No

Sampling Point

Location: Sewerage Treatment Plant, Boyd Street
Published: May-16
Obtained: Quaterly from April 3,2015 to April 2, 2016

POLLUTANTS	Jul-15	Oct-15	Jan-16	Apr-16	Lowest	Mean	Highest	100 Percentile Limit	Exceedance (yes/no)
Conductivity (uS/cm)	635	706	831	751	635	730.75	831		
Oil & Grease (mg/L)	3	3	2	2	2	2.5	3		
pH (pH units)	8.1	9.4	8.8	8.2	8.1	8.625	9.4	6.5-8.5	Yes
Nitrogen (mg/L)	0.3	0.2	0.1	0.6	0.1	0.3	0.6	10	No
Phosphorus (mg/L)	4.36	3.86	3.84	4.85	3.84	4.2275	4.85	10	No
Faecal Coliforms (CFU/100mL)	6	8	350	35200	6	8891	35200	200	Yes
Total Suspended Solids (mg/L)	40	88	234	59	40	105.25	234	15	Yes
Biochemical Oxygen Demand (mg/L)	7	7	8	11	7	8.25	11	10	Yes

Sampling Point

Location: Sewerage Treatment Plant, Boyd Street
Published: May-16
Obtained: Quarterly from April 3,2015 to April 2, 2016

POLLUTANTS	Jul-15
Available Phosphorous (mg/kg)	35
Electrical Conductivity (uS/m)	0.334
Exchangeable Calcium (cmol/kg)	13.2
Exchangeable Magnesium (cmol/kg)	9.78
Exchangeable Potassium (cmol/kg)	0.9

Exchangeable Sodium (cmol/kg)	3.69
Nitrate (mg/kg)	6
Nitrogen (Total) (mg/kg)	828
pH	8.2
Phosphorus (Total) (mg/kg)	300

Discharge & Monitoring Point 1

Location: Outlet to the backwater lagoon of the Murrumbidgee River (ADP001 & Diversion Point)

Published: May 27, 2015

Item	Unit	Monitoring frequency required by licence	Min. value	Max. value	Volume limit	Exceedence (yes/no) (yes/no)
Daily Outflow to River	kl/day	Continuous	1	177	249	NO

Discharge & Monitoring Point 3

Location: Pipe Discharging to the effluent utilisation area marked as "Supply point"

Published: May 27, 2015

Item	Unit	Monitoring frequency required by licence	Min. value	Max. value	Volume limit	Exceedence (yes/no) (yes/no)
Daily Outflow to Ron's Farm	kl/day	continuous	22	104	185	No