



DUNOGG WATER TREATMENT PLANT - MONTHLY POLLUTION MONITORING SUMMARY - JANUARY 2023

Environment Protection Licence No. 2863
Date Obtained: 3 February 2023
Date Published: 20 February 2023

Licensee
Hunter Water Corporation
36 Honeysuckle Drive
NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 1610116		Site Description - Sludge Lagoon 1 Outlet Pit										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 01 January 2023 to 31 January 2023								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium (Soluble)	milligrams per litre	Monthly	1	0.008	0.008	0.008	0.008	N/A	N/A	TBD	N/A	N/A
Total Chlorine	milligrams per litre	Monthly	1	<0.1	<0.1	<0.1	<0.1	N/A	N/A	TBD	N/A	N/A
Fluoride	milligrams per litre	Monthly	1	0.1	0.1	0.1	0.1	N/A	N/A	TBD	N/A	N/A
Iron	milligrams per litre	Monthly	1	7.860	7.860	7.860	7.860	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Monthly	1	3.020	3.020	3.020	3.020	N/A	N/A	N/A	N/A	N/A
pH	pH	Monthly	1	6.8	6.8	6.8	6.8	N/A	N/A	TBD	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	<1	<1	<1	<1	N/A	N/A	TBD	N/A	N/A

Aluminium (Soluble) is the result after filtration through 0.45 micron filter.

EPA Id. No. 2 Site Code 1610117		Site Description - Sludge Lagoon 2 Outlet Pit										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 01 January 2023 to 31 January 2023								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium (Soluble)	milligrams per litre	Monthly	1	<0.005	<0.005	<0.005	<0.005	N/A	N/A	TBD	N/A	N/A
Total Chlorine	milligrams per litre	Monthly	1	<0.1	<0.1	<0.1	<0.1	N/A	N/A	TBD	N/A	N/A
Fluoride	milligrams per litre	Monthly	1	0.2	0.2	0.2	0.2	N/A	N/A	TBD	N/A	N/A
Iron	milligrams per litre	Monthly	1	14.200	14.200	14.200	14.200	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Monthly	1	6.840	6.840	6.840	6.840	N/A	N/A	N/A	N/A	N/A
pH	pH	Monthly	1	6.2	6.2	6.2	6.2	N/A	N/A	TBD	N/A	N/A
Total Suspended Solids	milligrams per litre	Monthly	1	2	2	2	2	N/A	N/A	TBD	N/A	N/A

Aluminium (Soluble) is the result after filtration through 0.45 micron filter.

EPA Id. No. 3 Site Code 1610111		Site Description - Stormwater culvert at boundary of plant on the north side of Wade Street										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 01 January 2023 to 31 January 2023								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aluminium (Soluble)	milligrams per litre	Monthly	1	0.006	0.006	0.006	0.006	N/A	N/A	TBD	N/A	N/A
Total Chlorine	milligrams per litre	Monthly	1	<0.1	<0.1	<0.1	<0.1	N/A	N/A	TBD	N/A	N/A
Fluoride	milligrams per litre	Monthly	1	0.3	0.3	0.3	0.3	N/A	N/A	1.5	0.30	Yes
Iron	milligrams per litre	Monthly	1	1.980	1.980	1.980	1.980	N/A	N/A	N/A	N/A	N/A
Manganese	milligrams per litre	Monthly	1	1.630	1.630	1.630	1.630	N/A	N/A	N/A	N/A	N/A
pH	pH	Monthly	1	7.6	7.6	7.6	7.6	N/A	N/A	6.5 - 8.5	7.6	Yes
Total Suspended Solids	milligrams per litre	Monthly	1	2	2	2	2	N/A	N/A	50	2	Yes

Aluminium (Soluble) is the result after filtration through 0.45 micron filter.

"Note: For pollutants with less than four samples measured during the monthly period see below for interpretation of summary tables:
One required sample for licence reporting: Min, Mean, Median and Max values are all the exact data point
Two required samples for licence reporting: Min and Max values are the two exact data points
Three required samples for licence reporting: Min, Median and Max values are the three exact data points"

VOLUME MONITORING

Flow Monitoring								
Monitoring Point	Unit of Measurement	Sampling Frequency	No. of times measured during the month	Monthly Summary 01 January 2023 to 31 January 2023				
				Minimum	Mean	Maximum	Volume Limit**	Within Limits
Point 3 - Stormwater Culvert at Boundary of plant	kilolitres per day	Daily	31	180	284	620	2000**	Yes

** Volume limit may be exceeded if the discharge is due to planned maintenance and the EPA is notified and approves the additional discharge prior to the activity, or if caused by emergency activity and the EPA is notified as soon as is possible