



DUNGOG WASTEWATER TREATMENT WORKS - JANUARY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4197
 Date Obtained: 6 February 2017
 Date Published: 17 February 2017

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 3 - Site Code 5DU0001 Site Description - Discharge to Utilisation Area												
EPA Id. No. 4 - Site Code 5DU0006 Site Description - Pumped Discharges to Williams River												
EPA Id. No. 5 - Site Code 5DU0016 Site Description - Overflow from Wet Weather Storage Pond												
Pollutant	Unit of Measurement	Sampling Frequency *	No. of times measured during the month for licence reporting	Monthly Summary 1 January 2017 to 31 January 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	5	2	14	15	21	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	Weekly	5	13.9	94	83	231	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	5	91	2362	1400	5500	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	Weekly	5	7.3	9.2	9.4	10.5	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Weekly	5	<2	2	<2	4	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	5	8.47	8.87	8.77	9.52	N/A	N/A	N/A	N/A	N/A
Total Phosphorus-unfiltered sample	milligrams per litre	Weekly	5	3.8	4.7	4.6	5.4	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	22	33	25	56	N/A	N/A	N/A	N/A	N/A

* As per the note under the licence condition M2.3, it is acceptable for the licensee to take a single sample of Storage Pond water (5DU0001) to meet the monitoring requirements for Points 3, 4 and 5.

EPA Id. No. 8 Site Code 5DU0002 Site Description - Humus Effluent												
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 January 2017 to 31 January 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	5	24	37	38	52	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	Weekly	5	15.4	18.9	18.3	23.1	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	5	1400000	2800000	2800000	4100000	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	Weekly	5	25.7	30.7	30.2	35.7	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Weekly	5	<2	4	2	6	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	5	7.05	7.16	7.20	7.25	N/A	N/A	N/A	N/A	N/A
Total Phosphorus-unfiltered sample	milligrams per litre	Weekly	5	6.7	7.0	6.9	7.7	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	5	45	56	53	68	N/A	N/A	N/A	N/A	N/A