



DUNGOG WASTEWATER TREATMENT WORKS - FEBRUARY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 4197
 Date Obtained: 7 March 2017
 Date Published: 16 March 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 February 2017 to 28 February 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	4	5	11	12	16	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	Weekly	4	92.6	144	94	295	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	4	1200	7550	8500	12000	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	Weekly	4	5.7	7.5	8.0	8.4	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Weekly	4	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	8.60	9.22	9.34	9.59	N/A	N/A	N/A	N/A	N/A
Total Phosphorus-unfiltered sample	milligrams per litre	Weekly	4	2.9	4.2	4.5	4.8	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	34	45	46	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 February 2017 to 28 February 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	4	5	23	26	34	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	Weekly	4	7.4	26.3	17.4	62.8	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	4	460000	2540000	2600000	4500000	N/A	N/A	N/A	N/A	N/A
Nitrogen (Total)	milligrams per litre	Weekly	4	17.2	28.0	31.1	32.7	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Weekly	4	<2	3	3	4	N/A	N/A	N/A	N/A	N/A
pH	pH	Weekly	4	7.21	7.27	7.28	7.30	N/A	N/A	N/A	N/A	N/A
Total Phosphorus-unfiltered sample	milligrams per litre	Weekly	4	4.2	6.0	6.4	6.9	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	28	42	33	72	N/A	N/A	N/A	N/A	N/A