



BURWOOD BEACH WASTEWATER TREATMENT WORKS - SEPTEMBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1683
 Date Obtained: 10 October 2017
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Licensee
 Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code SSL0600		Site Description - Inspection pit down stream of the secondary clarifier and the wet weather bypass chamber										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 September 2017 to 30 September 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aldrin	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
alpha-BHC	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Arsenic	micrograms per litre	2 times a year	1	1.2	1.2	1.2	1.2	N/A	N/A	N/A	N/A	N/A
beta-BHC	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Biochemical Oxygen Demand	milligrams per litre	Every 12 days exactly	3	17	20	17	27	N/A	N/A	N/A	N/A	N/A
Cadmium	micrograms per litre	2 times a year	1	<0.20	<0.20	<0.20	<0.20	N/A	N/A	N/A	N/A	N/A
Chlordane, total	micrograms per litre	2 times a year	1	<0.020	<0.020	<0.020	<0.020	N/A	N/A	N/A	N/A	N/A
Chromium	micrograms per litre	2 times a year	1	0.6	0.6	0.6	0.6	N/A	N/A	N/A	N/A	N/A
Copper	micrograms per litre	2 times a year	1	7.7	7.7	7.7	7.7	N/A	N/A	N/A	N/A	N/A
Dieldrin	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Endosulfan	micrograms per litre	2 times a year	1	<0.030	<0.030	<0.030	<0.030	N/A	N/A	N/A	N/A	N/A
Endrin	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
gamma-BHC (Lindane)	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Heptachlor	micrograms per litre	2 times a year	1	<0.005	<0.005	<0.005	<0.005	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Lead	micrograms per litre	2 times a year	1	0.8	0.8	0.8	0.8	N/A	N/A	N/A	N/A	N/A
Mercury	micrograms per litre	2 times a year	1	<0.1	<0.1	<0.1	<0.1	N/A	N/A	N/A	N/A	N/A
Methoxychlor	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Nickel	micrograms per litre	2 times a year	1	4.2	4.2	4.2	4.2	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Every 12 days exactly	3	<2	<2	<2	<2	15	-	N/A	N/A	Yes
p,p-DDD	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
p,p-DDE	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
p,p-DDT	micrograms per litre	2 times a year	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Polychlorinated biphenyls	micrograms per litre	2 times a year	1	<0.10	<0.10	<0.10	<0.10	N/A	N/A	N/A	N/A	N/A
Selenium	micrograms per litre	2 times a year	1	0.2	0.2	0.2	0.2	N/A	N/A	N/A	N/A	N/A
Silver	micrograms per litre	2 times a year	1	<1.0	<1.0	<1.0	<1.0	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Every 12 days exactly	3	12	15	15	18	60	-	N/A	N/A	Yes
Zinc	micrograms per litre	2 times a year	1	29.0	29.0	29.0	29.0	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 3 Site Code 5CB0600		Site Description - Sludge pumping station										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 September 2017 to 30 September 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Aldrin	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
alpha-BHC	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Arsenic	micrograms per litre	Weekly	4	9.9	12.2	12.2	14.5	N/A	N/A	N/A	N/A	N/A
beta-BHC	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Cadmium	micrograms per litre	Weekly	4	1.3	1.9	1.9	2.5	N/A	N/A	N/A	N/A	N/A
Chlordane, total	micrograms per litre	Monthly	1	<0.020	<0.020	<0.020	<0.020	N/A	N/A	N/A	N/A	N/A
Chromium	micrograms per litre	Weekly	4	14.7	20.3	20.4	25.7	N/A	N/A	N/A	N/A	N/A
Copper	micrograms per litre	Weekly	4	467	677	652	935	N/A	N/A	N/A	N/A	N/A
Dieldrin	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Endosulfan	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Endrin	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
gamma-BHC (Lindane)	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Heptachlor	micrograms per litre	Monthly	1	<0.005	<0.005	<0.005	<0.005	N/A	N/A	N/A	N/A	N/A
Heptachlor epoxide	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Hexachlorobenzene	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Lead	micrograms per litre	Weekly	4	42.9	59.7	59.4	77.3	N/A	N/A	N/A	N/A	N/A
Mercury	micrograms per litre	Weekly	4	<0.1	<0.1	<0.1	<0.1	N/A	N/A	N/A	N/A	N/A
Methoxychlor	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Nickel	micrograms per litre	Weekly	4	19.7	28.3	28.6	36.2	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Every 6 days exactly	5	26.5	30.9	28.4	37.4	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Every 6 days exactly	5	6	21	19	42	N/A	N/A	N/A	N/A	N/A
p,p-DDD	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
p,p-DDE	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
p,p-DDT	micrograms per litre	Monthly	1	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	N/A
Polychlorinated biphenyls	micrograms per litre	Monthly	1	<0.10	<0.10	<0.10	<0.10	N/A	N/A	N/A	N/A	N/A
Selenium	micrograms per litre	Weekly	4	3.9	6.1	6.3	8.0	N/A	N/A	N/A	N/A	N/A
Silver	micrograms per litre	Weekly	4	3	5	6	7	N/A	N/A	N/A	N/A	N/A
Total Solids	percent by weight	Every 6 days exactly	5	0.16	0.29	0.27	0.39	N/A	N/A	N/A	N/A	N/A
Zinc	micrograms per litre	Weekly	4	1100	1513	1500	1950	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 10 Site Code 5SG0601		Site Description - Pump well between clarifier and the sludge line										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 September 2017 to 30 September 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Total Solids	percent by weight	Every 6 days exactly	5	<0.10	<0.10	<0.10	<0.10	N/A	N/A	N/A	N/A	N/A

EPA Id. No. 11 Site Code 5CC0600		Site Description - Scum pump well										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 September 2017 to 30 September 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Total Solids	percent by weight	Every 6 days exactly	5	<0.10	0.11	<0.10	0.13	N/A	N/A	N/A	N/A	N/A