

Googong Recycled Water Treatment Plant

April Pollution Monitoring Summary

EPL20188

Summary Period :01-04-2020 to 30-04-2020

Date Sampled: 01-April-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data EPA point 2		Point description : at Hill 800 prior to the discharge to Googong Creek			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.026	5
Nitrogen (Total)	mg/L	once a month during discharge	1	5.24	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.93	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	2	15

Table 2 : Routine monitoring data EPA point 6		Point description : At Googong STP prior to discharge via Point 3			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	123	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.019	5
Nitrogen (Total)	mg/L	once a month during discharge	1	5.02	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	8.01	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	5	15

Googong Recycled Water Treatment Plant

May Pollution Monitoring Summary

EPL20188

Summary Period :01-05-2020 to 31-05-2020

Date Sampled: 27-May-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data EPA point 2		Point description : at Hill 800 prior to the discharge to Googong Creek			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	6.1	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	8.11	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	2	15

Table 2 : Routine monitoring data EPA point 6		Point description : At Googong STP prior to discharge via Point 3			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	8	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.59	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.98	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	7	15

Googong Recycled Water Treatment Plant

June Pollution Monitoring Summary

EPL20188

Summary Period :01-06-2020 to 30-06-2020

Date Sampled: 24-Jun-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data EPA point 2		Point description : at Hill 800 prior to the discharge to Googong Creek			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.32	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	8.04	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Table 2 : Routine monitoring data EPA point 6		Point description : At Googong STP prior to discharge via Point 3			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.28	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.76	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	<0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Googong Recycled Water Treatment Plant

July Pollution Monitoring Summary

EPL20188

Summary Period :01-07-2020 to 31-07-2020

Date Sampled: 22-July-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data EPA point 2		Point description : at Hill 800 prior to the discharge to Googong Creek			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.046	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.88	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.97	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.008	0.5
Total Suspended solids	mg/L	once a month during discharge	1	26	15

Table 2 : Routine monitoring data EPA point 6		Point description : At Googong STP prior to discharge via Point 3			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.023	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.71	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.68	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.006	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Googong Recycled Water Treatment Plant

August Pollution Monitoring Summary

EPL20188

Summary Period :01-08-2020 to 31-08-2020

Date Sampled: 19-August-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data EPA point 2		Point description : at Hill 800 prior to the discharge to Googong Creek			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	0.14	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.4	5
Nitrogen (Total)	mg/L	once a month during discharge	1	5.9	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	8	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.02	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Table 2 : Routine monitoring data EPA point 6		Point description : At Googong STP prior to discharge via Point 3			
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	0.03	0.1
Faecal Coliform	colony forming units per 100 mililitres	once a month during discharge	1	<1	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	0.7	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.6	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.54	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	0.03	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Googong Recycled Water Treatment Plant

September Pollution Monitoring Summary

EPL20188

Summary Period :01-09-2020 to 30-09-2020

Date Sampled: 16-September-2020

Date Published: 29-September-2020



Table 1 : Routine monitoring data	Point description : at Hill 800 prior to the discharge to Googong Creek				
EPA point 2					
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 millilitres	once a month during discharge	1	<2	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	4.08	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.79	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	<0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15

Table 2 : Routine monitoring data		Point description : At Googong STP prior to discharge via Point 3			
EPA point 6					
Pollutant	unit of measure	sampling frequency	number of samples	sampling result	100 percentile limit
BOD	mg/L	once a month during discharge	1	<2	10
Chlorine (Free residual)	mg/L	once a month during discharge	1	<0.03	0.1
Faecal Coliform	colony forming units per 100 millilitres	once a month during discharge	1	<2	200
Nitrogen (Ammonia)	mg/L	once a month during discharge	1	<0.1	5
Nitrogen (Total)	mg/L	once a month during discharge	1	3.18	10
Oil and Grease	mg/L	once a month during discharge	1	<1	10
pH	pH	once a month during discharge	1	7.55	6.5 - 8.5
Phosphorous (total)	mg/L	once a month during discharge	1	<0.01	0.5
Total Suspended solids	mg/L	once a month during discharge	1	<2	15