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 | Point description : at I | Hill 800 prior to the | discharge to G | oogong 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 milimitres | 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 | Point description : At the | Googong STP prio | r to discharge vi | a 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 milimitres | 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 |
| рН | рН | 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 |

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 | Point description : at H | lill 800 prior to the | discharge to G | oogong 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 milimitres | 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 |
| pН | 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 | Point description : At 0 | Googong STP prio | r to discharge via | a 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 milimitres | 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 |
| рН | рН | 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 |

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 | Point description : at I | Hill 800 prior to the | discharge to G | oogong 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 milimitres | 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 |
| pН | рН | 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 | Point description : At C | Googong STP prio | r to discharge vi | a 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 milimitres | 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 |
| рН | рН | 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 |

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 | Point description : at I | Hill 800 prior to the | discharge to G | oogong 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 milimitres | 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 | Point description : At C | Googong STP prio | r to discharge vi | a 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 milimitres | 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 |
| рН | pН | 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 |

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 | Point description : at I | Hill 800 prior to the | discharge to Go | oogong 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 | 0.14 | 0.1 |
| Faecal Coliform | colony forming units per 100 milimitres | 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 |
| рН | рН | 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 | Point description : At C | Googong STP prio | r to discharge vi | a 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 milimitres | 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 |
| рН | рН | 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 |

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 H | in out prior to the | discharge to Go | ogong 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 milimitres | | 1 | <2 | 200 |
| Nitrogen (Ammonia) | mg/L | once a month during discharge | 1 | <0.1 | 5 |
| . . , | | once a month | 1 | 4.08 | 10 |
| Nitrogen (Total) | mg/L | during discharge once a month | 1 | <1 | 10 |
| Oil and Grease | mg/L | during discharge once a month | 1 | 7.79 | 6.5 - 8.5 |
| рН | рН | during discharge once a month | 1 | <0.01 | 0.5 |
| Phosphorous (total) | mg/L | during discharge once a month | | | |
| | | once a month | 1 | | |
| Total Suspended solids | mg/L | during discharge | 1 | <2 | 15 |
| Total Suspended solids Table 2 : Routine monitoring data EPA point 6 | mg/L Point description : At G | during discharge | | | 15 |
| Table 2 : Routine monitoring data | | during discharge oogong STP prior sampling | to discharge via | | 15 100 percentile limit |
| Table 2 : Routine monitoring data EPA point 6 | Point description : At G | during discharge oogong STP prior sampling frequency once a month during discharge | to discharge via | Point 3 | 100 percentile |
| Table 2 : Routine monitoring data EPA point 6 Pollutant | Point description : At G unit of measure mg/L mg/L | during discharge oogong STP prior sampling frequency once a month during discharge once a month during discharge | to discharge via number of samples | sampling result | 100 percentile limit |
| Table 2 : Routine monitoring data EPA point 6 Pollutant BOD | Point description : At G unit of measure mg/L | during discharge coogong STP prior sampling frequency once a month during discharge once a month during discharge once a month during discharge | number of samples | sampling result | 100 percentile limit 10 |
| Table 2 : Routine monitoring data EPA point 6 Pollutant BOD Chlorine (Free residual) | Point description : At G unit of measure mg/L colony forming units | during discharge ocgong STP prior sampling frequency once a month during discharge once a month | to discharge via number of samples 1 1 | sampling result <t< th=""><th>100 percentile limit 10 0.1</th></t<> | 100 percentile limit 10 0.1 |
| Table 2 : Routine monitoring data <i>EPA point</i> 6 Pollutant BOD Chlorine (Free residual) Faecal Coliform | Point description : At G unit of measure mg/L mg/L colony forming units per 100 milimitres | during discharge oogong STP prior sampling frequency once a month during discharge once a month during discharge once a month during discharge once a month | to discharge via number of samples 1 1 1 | sampling result <2 <0.03 <2 | 100 percentile limit 10 0.1 200 |
| Table 2 : Routine monitoring data EPA point 6 Pollutant BOD Chlorine (Free residual) Faecal Coliform Nitrogen (Ammonia) | Point description : At G unit of measure mg/L mg/L colony forming units per 100 milimitres mg/L | during discharge cogong STP prior sampling frequency once a month during discharge once a month during discharge once a month during discharge once a month during discharge once a month | number of samples 1 1 1 1 | sampling result <2 <0.03 <2 <0.1 | 100 percentile limit 10 0.1 200 5 |
| Table 2 : Routine monitoring data EPA point 6 Pollutant BOD Chlorine (Free residual) Faecal Coliform Nitrogen (Ammonia) Nitrogen (Total) | Point description : At G unit of measure mg/L colony forming units per 100 milimitres mg/L mg/L | during discharge ocgong STP prior sampling frequency once a month during discharge once a month | to discharge via number of samples 1 1 1 1 1 1 | sampling result <2 <0.03 <2 <0.1 3.18 | 100 percentile limit 10 0.1 200 5 10 |
| Table 2 : Routine monitoring data EPA point 6 Pollutant BOD Chlorine (Free residual) Faecal Coliform Nitrogen (Ammonia) Nitrogen (Total) Oil and Grease | Point description : At G unit of measure mg/L colony forming units per 100 milimitres mg/L mg/L mg/L | during discharge cogong STP prior sampling frequency once a month during discharge once a month | to discharge via number of samples 1 1 1 1 1 1 1 | sampling result <2 | 100 percentile limit 10 0.1 200 5 10 10 |