

Amalgamated Portal Outflow Analysis 2016

| POLLUTANT | Unit Of Measure | Monitoring Frequency Required By Licence | Number Of Times Measured | 08/01/2016 | 05/04/2016 | 08/07/2016 | 04/10/2016 | 100 Percentile Limit | Exceedance Yes/No |
|--------------------------------|-----------------|--|--------------------------|------------|------------|------------|------------|----------------------|-------------------|
| pH | pH Unit | Quarterly During Discharge | 4 | 8.1 | 8.4 | 7.8 | 8.2 | 6.5 – 8.5 | No |
| Electrical Conductivity | uS/cm | Quarterly During Discharge | 4 | 8.7 | 610 | 774 | 723 | | |
| Alkalinity | mg/L | Quarterly During Discharge | 4 | <1 | 24 | <1 | <1 | | |
| Sulphate | mg/L | Quarterly During Discharge | 4 | 128 | 132 | 107 | 146 | | |
| Chloride | mg/L | Quarterly During Discharge | 4 | 62 | 66 | 59 | 40 | | |
| Magnesium | mg/L | Quarterly During Discharge | 4 | 33 | 37 | 32 | 31 | | |
| Sodium | mg/L | Quarterly During Discharge | 4 | 47 | 54 | 46 | 36 | | |
| Potassium | mg/L | Quarterly During Discharge | 4 | 3 | 3 | 3 | 3 | | |
| Arsenic (total) | mg/L | Quarterly During Discharge | 4 | 0.001 | 0.002 | 0.003 | 0.002 | | |
| Cadmium (total) | mg/L | Quarterly During Discharge | 4 | <0.001 | 0.002 | <0.0001 | <0.0001 | | |
| Chromium | mg/L | Quarterly During Discharge | 4 | <0.001 | 0.002 | <0.001 | <0.001 | | |
| Copper | mg/L | Quarterly During Discharge | 4 | 0.001 | <0.001 | 0.009 | 0.002 | | |
| Nickel | mg/L | Quarterly During Discharge | 4 | 0.002 | 0.003 | 0.003 | 0.002 | | |
| Lead | mg/L | Quarterly During Discharge | 4 | <0.001 | 0.004 | <0.001 | <0.001 | | |
| Zinc | mg/L | Quarterly During Discharge | 4 | 0.005 | <0.005 | 0.008 | 0.006 | | |
| Iron | mg/L | Quarterly During Discharge | 4 | <0.05 | 0.30 | 0.06 | <0.05 | | |
| Mercury | mg/L | Quarterly During Discharge | 4 | <0.0001 | <0.0001 | <0.0001 | <0.0001 | | |
| Oil & Grease | mg/L | Quarterly During Discharge | 4 | <5 | <5 | <5 | <5 | 50 | No |
| Total Suspended Solids | mg/L | Quarterly During Discharge | 4 | <1 | 8 | 1 | 2 | 10 | No |