

LORIS H HASSALL TRADING PTY LTD
IRRIGATION SLURRY TEST RESULTS 2020

EPA ID LOCATION: NA

EPA LICENSE NUMBER: 12765



*Not Tested (NT) No Sample (NS)

| ANALYSIS | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | HIGH | LOW | AVE |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| pH - pH Units | NT | NT | 8 | NT | NT | 12.3 | NT | NT | NS | NS | NS | NS | 12.3 | 8 | 10.15 |
| Electrical Conductivity - µS/cm | NT | NT | 11920 | NT | NT | 6450 | NT | NT | NS | NS | NS | NS | 11920 | 6450 | 9185.00 |
| Total Kjeldahl Nitrogen - mg/L | NT | NT | 874 | NT | NT | 1540 | NT | NT | NS | NS | NS | NS | 1540 | 874 | 1207.00 |
| Total Phosphorus - mg/L | NT | NT | 243 | NT | NT | 24 | NT | NT | NS | NS | NS | NS | 243 | 24 | 133.50 |
| Total Suspended Solids - mg/L | NT | NT | 1300 | NT | NT | 1380 | NT | NT | NS | NS | NS | NS | 1380 | 1300 | 1340.00 |
| Total Dissolved Solids (grav) - mg/L | NT | NT | 15100 | NT | NT | 11600 | NT | NT | NS | NS | NS | NS | 15100 | 11600 | 13350 |
| BOD - mg/L | NT | NT | 12000 | NT | NT | 533 | NT | NT | NS | NS | NS | NS | 12000 | 533 | 6266.50 |
| COD - mgO ₂ /L | NT | NT | 36700 | NT | NT | 20600 | NT | NT | NS | NS | NS | NS | 36700 | 20600 | 28650.00 |
| Nitrate N - mg/L | NT | NT | 0.1 | NT | NT | 0.1 | NT | NT | NS | NS | NS | NS | 0.1 | 0.1 | 0.10 |
| Oil & Grease (LLE) - mg/L | NT | NT | 216 | NT | NT | 379 | NT | NT | NS | NS | NS | NS | 379 | 216 | 297.50 |
| Total S (Sulphur = Sulphate + Sulphite + Sulphide) | NT | NT | 481 | NT | NT | 487 | NT | NT | NS | NS | NS | NS | 487 | 481 | 484.00 |
| Chloride - mg/L | NT | NT | 1425 | NT | NT | 1096 | NT | NT | NS | NS | NS | NS | 1425 | 1096 | 1260.50 |
| Ammonia as N - mg/L | NT | NT | 659 | NT | NT | 447 | NT | NT | NS | NS | NS | NS | 659 | 447 | 553.00 |
| Sodium - mg/L | NT | NT | 1509 | NT | NT | 919 | NT | NT | NS | NS | NS | NS | 1509 | 919 | 1214.00 |
| Potassium - mg/L | NT | NT | 156 | NT | NT | 69.6 | NT | NT | NS | NS | NS | NS | 156 | 69.6 | 112.80 |
| Calcium - mg/L | NT | NT | 230 | NT | NT | 455 | NT | NT | NS | NS | NS | NS | 455 | 230 | 342.50 |
| Magnesium - mg/L | NT | NT | 47.6 | NT | NT | 17.2 | NT | NT | NS | NS | NS | NS | 47.6 | 17.2 | 32.40 |
| Manganese - mg/L | NT | NT | 0.592 | NT | NT | 0.356 | NT | NT | NS | NS | NS | NS | 0.592 | 0.356 | 0.47 |
| SAR | NT | NT | 24 | NT | NT | 12 | NT | NT | NS | NS | NS | NS | 24 | 12 | 18.00 |
| Sulphate, SO ₄ - mg/L | NT | NT | 811 | NT | NT | 447 | NT | NT | NS | NS | NS | NS | 811 | 447 | 629.00 |
| Nitrogen Total - mg/L | NT | NT | 874 | NT | NT | 1540 | NT | NT | NS | NS | NS | NS | 1540 | 874 | 1207.00 |
| Total Solids - % | NT | NT | NT | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0 | 0 | 0.00 |
| Arsenic - mg/Kg | NT | NT | 0.006 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.006 | 0.006 | 0.01 |
| Cadmium - mg/Kg | NT | NT | 0.0001 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.0001 | 0.0001 | 0.00 |
| Copper - mg/Kg | NT | NT | 0.01 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.01 | 0.01 | 0.01 |
| Lead - mg/Kg | NT | NT | 0.004 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.004 | 0.004 | 0.00 |
| Mercury - mg/Kg | NT | NT | 0.001 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.001 | 0.001 | 0.00 |
| Nickel - mg/Kg | NT | NT | 0.013 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.013 | 0.013 | 0.01 |
| Zinc - mg/Kg | NT | NT | 0.296 | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0.296 | 0.296 | 0.30 |
| Iron - mg/Kg | NT | NT | NT | NT | NT | NT | NT | NT | NS | NS | NS | NS | 0 | 0 | 0.00 |