

Agglomeration Freshford
Ref: D0526
Influent Monitoring Data

| Station | Sample Date | Sample Method | Reason | Parameter | Ammonia-N | cBOD | COD | pH | Suspended Solids | Total Nitrogen N | Total Phosphorus P | Flow | Chloride |
|----------|-------------|-----------------|------------|-----------|-----------|------|------|----------|------------------|------------------|--------------------|-----------|----------|
| | | | | | mg/l | mg/l | mg/l | pH units | mg/l | mg/l | mg/l | m3/24 hrs | mg/l |
| Influent | 29/01/2019 | 24 hr flow prop | Compliance | - | 5.15 | 18 | 40 | 7.82 | 92 | 10.6 | 0.986 | | 38 |
| Influent | 27/03/2019 | 24 hr flow prop | Compliance | - | 3.38 | 30 | 75 | 8.08 | 55 | 11.9 | 1.14 | | 32 |
| Influent | 08/05/2019 | 24 hr flow prop | Compliance | - | 5.78 | 27 | 108 | 8.03 | 53 | 10.2 | 1.29 | | 34 |
| Influent | 10/07/2019 | 24 hr flow prop | Compliance | - | 31 | 115 | 567 | 7.86 | 320 | 48.4 | 6.84 | | 75 |
| Influent | 10/09/2019 | 24 hr flow prop | Compliance | - | 48.41 | 138 | 822 | 7.81 | 418 | 81.9 | 9.79 | | 161 |
| Influent | 06/11/2019 | 24 hr flow prop | Compliance | - | 3.57 | 60 | 105 | 7.84 | 73 | 10.1 | 1.25 | | 35 |
| | | | | | | | | | | | | | |
| Influent | 28/01/2020 | 24 hr flow prop | Compliance | - | 3.13 | 180 | 485 | 8 | 358 | 20 | 4.06 | 618 | 37 |
| Influent | 18/03/2020 | 24 hr flow prop | Compliance | - | 3.06 | 24 | 35 | 7.8 | 70 | 6.8 | 0.67 | 842 | 29 |
| Influent | 19/05/2020 | 24 hr flow prop | Compliance | - | 50.1 | 288 | 848 | 7.7 | 525 | 77.4 | 10.7 | 138 | 108 |
| Influent | 08/07/2020 | 24 hr flow prop | Compliance | - | 31.2 | 156 | 526 | 7.5 | 295 | 48 | 7.09 | 210 | 54 |
| Influent | 02/09/2020 | 24 hr flow prop | Compliance | - | 57.9 | 246 | 665 | 7.45 | 383 | 77 | 9.23 | 112 | 121 |

Agglomeration Freshford
 Ref: D0526
 Effluent Monitoring Data

| | | | | Parameter | Ammonia-N | cBOD | COD | Ortho-Phosphate P | pH | Suspended Solids | Total Nitrogen N | Total Phosphorus P | Flow | Chloride |
|--------------|-------------|-------------------------|------------|-----------|-----------|------|------|-------------------|----------|------------------|------------------|--------------------|-----------|----------|
| | | | | Max. | 0.6 | 5 | 125 | 1.5 | 9 | 5 | -- | -- | -- | -- |
| | | | | Min. | -- | -- | -- | -- | 6 | -- | -- | -- | -- | -- |
| Station | Sample Date | Sample Method | Reason | | mg/l | mg/l | mg/l | mg/l | pH units | mg/l | mg/l | mg/l | m3/24 hrs | mg/l |
| Effluent new | 29/01/2019 | 24 hr flow proportional | Compliance | - | < 0.015 | 2 | < 20 | 0.49 | 7.75 | 3 | 10.9 | 0.552 | | 36 |
| Effluent new | 27/03/2019 | 24 hr flow proportional | Compliance | - | < 0.015 | 1 | 13 | 0.44 | 7.9 | 1 | 11.2 | 0.53 | | 31 |
| Effluent new | 08/05/2019 | 24 hr flow proportional | Compliance | - | 0.03 | 1 | 12 | 0.58 | 7.9 | 2 | 10.4 | 0.63 | | 31 |
| Effluent new | 10/07/2019 | 24 hr flow proportional | Compliance | - | 0.07 | 5 | 39 | 1.94 | 7.9 | 12 | 13.2 | 2.17 | | 104.68 |
| Effluent new | 10/09/2019 | 24 hr flow proportional | Compliance | - | 0.05 | 2 | 32 | 1.87 | 7.6 | 4 | 16.1 | 2.03 | | 104.98 |
| Effluent new | 06/11/2019 | 24 hr flow proportional | Compliance | - | < 0.02 | 2 | 14 | 0.07 | 7.7 | 3 | 9.42 | 0.16 | | 29 |
| Effluent new | 28/01/2020 | 24 hr flow proportional | Compliance | - | 0.02 | 4 | 13 | 0.55 | 8.3 | 6 | 9.03 | 0.65 | 600 | 35 |
| Effluent new | 18/03/2020 | 24 hr flow proportional | Compliance | - | < 0.02 | 2 | < 15 | 0.37 | 7.8 | 2 | 7.73 | 0.4 | 853 | 24 |
| Effluent new | 19/05/2020 | 24 hr flow proportional | Compliance | - | 0.05 | 8 | 29 | 0.56 | 7.7 | 3 | 21.5 | 0.69 | 120 | 84.5 |
| Effluent new | 08/07/2020 | 24 hr flow proportional | Compliance | - | 0.27 | 4 | < 20 | 0.16 | 7.6 | 3 | 4.78 | 0.19 | 174 | 30 |
| Effluent new | 02/09/2020 | 24 hr flow proportional | Compliance | - | 0.046 | 3 | 32 | 0.476 | 7.42 | 12 | 13.4 | 0.603 | 97 | 85 |

Agglomeration

Freshford

Ref:

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Ambient Monitoring Data

| | | | | Parameter | Ammonia N | BOD | Chloride | Conductivity @ DO | n % Saturati | Nitrate N | Nitrite N | Ortho-Phospha | pH | Sulphate | Temperature | Total Nitrogen N |
|-------------------------------|-------------------|-------------|------------|-----------------|-----------|------|----------|-------------------|--------------|-----------|-----------|---------------|----------|----------|-------------|------------------|
| | | | | Max. | 0.2 | 5 | 40 | -- | 120 | 5.5 | 0.05 | 0.075 | 9 | -- | -- | -- |
| | | | | Min. | -- | -- | -- | -- | 80 | -- | -- | -- | 6 | -- | -- | -- |
| | | | | Test Method | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Station | Surface Waterbody | Sample Date | Reason | Analyst Conclus | mg/l | mg/l | mg/l | µS/cm | % O2 | mg/l | mg/l | mg/l | pH units | mg/l | Degrees C | mg/l |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 18/01/2019 | Compliance | - | 0 | 0.8 | 20.3 | 443 | 97.9 | 5.96 | 0.001 | 0.009 | 9 | 14 | 9 | 5.9 |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 18/01/2019 | Compliance | - | 0.014 | 1.5 | 20.4 | 446 | 97.8 | 5.96 | 0.005 | 0.013 | 9 | 14.1 | 9.4 | 5.9 |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 11/04/2019 | Compliance | - | 0.129 | 0.8 | 21 | 458 | 108 | 7.9 | 0.003 | 0.005 | 8.9 | 14.6 | 10.9 | 7.9 |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 11/04/2019 | Compliance | - | 0.006 | 0.8 | 20 | 458 | 108.6 | 7.48 | 0.002 | 0.002 | 8.9 | 14.3 | 11.2 | 7.48 |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 04/07/2019 | Compliance | - | 0.009 | 0.9 | 19 | 595 | 115 | 5.98 | 0.005 | 0.001 | 8.1 | 14.3 | 15.2 | 5.98 |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 04/07/2019 | Compliance | - | 0.016 | 0.7 | 19 | 588 | 116 | 5.9 | 0.005 | 0.005 | 8.1 | 14.4 | 15.1 | 5.9 |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 17/10/2019 | Compliance | - | 0.007 | 0.6 | 17 | 407.6 | 97.7 | 3.1 | 0.003 | 0.01 | 8.45 | 12 | 11.4 | 3.15 |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 17/10/2019 | Compliance | - | 0.009 | 0.7 | 17 | 406 | 97.7 | 3.26 | 0.002 | 0.018 | 8.5 | 12.1 | 11.4 | 3.26 |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 22/01/2020 | Compliance | - | 0.015 | 0.3 | 17.4 | 428 | 99.5 | 6.58 | 0.002 | 0.004 | 8.59 | 8.7 | 9.5 | |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 22/01/2020 | Compliance | - | 0.008 | 0.5 | 17.3 | 422 | 99.6 | 6.6 | 0.004 | 0.009 | 8.6 | 8.8 | 9.3 | |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 17/04/2020 | Compliance | - | 0.012 | 0.3 | 17.5 | 518 | 112.4 | 6.7 | 0.002 | 0.141 | 8.81 | 11.7 | 12.1 | |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 17/04/2020 | Compliance | - | 0.015 | 0.2 | 17.4 | 518 | 109.9 | 6.55 | 0.002 | 0.026 | 8.82 | 11.1 | 12.3 | |
| u/s Freshford WWTP (New 2016) | River: NUENNA_020 | 07/08/2020 | Compliance | - | 0.006 | 0.7 | 17 | 530 | 119.8 | 5 | 0.004 | 0.093 | 8.11 | 12 | 17.3 | |
| d/s Freshford WWTP (New 2016) | River: NUENNA_020 | 07/08/2020 | Compliance | - | 0.001 | 0.6 | 18 | 593 | 118.4 | 5.3 | 0.006 | 0.002 | 8.15 | 12.5 | 17 | |