

WWTP Effluent Monitoring
31/03/2012 to 25/05/2020



Treatment Plant: Kingscliff

EPA Licence Number: 12684

License Year: 07 February to 06 February

| Monitoring Point: KWWTP/Effluent | | EPA Point: Point 1 | | | | | | | |
|----------------------------------|---------|--------------------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
| Limits* | 2 / 4 | 15 / 35 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 4/04/2012 | 0.05 | 1.5 | 3 | 8.0 | 1.0 | 7 | 2.40 | 0.11 | 20/04/2012 29/06/2012 |
| 18/04/2012 | 0.03 | 1.2 | <2.0 | 7.9 | 1.2 | 2 | 1.44 | 0.08 | 4/05/2012 29/06/2012 |
| 2/05/2012 | <0.02 | <1.0 | <2.0 | 7.7 | 1.0 | 4 | 0.93 | 0.07 | 16/05/2012 29/06/2012 |
| 16/05/2012 | 0.03 | <1.0 | <2.0 | 7.9 | <1.0 | <1 | 1.13 | 0.06 | 25/05/2012 29/06/2012 |
| 30/05/2012 | 0.03 | <1.0 | <2.0 | 7.8 | 1.2 | 12 | 1.51 | 0.08 | 7/06/2012 29/06/2012 |
| 13/06/2012 | 0.03 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 2.18 | 0.08 | 26/06/2012 29/06/2012 |
| 27/06/2012 | <0.02 | <1.0 | <2.0 | 7.7 | 1.2 | <2 | 2.05 | 0.09 | 11/07/2012 18/07/2012 |
| 11/07/2012 | 0.03 | 1.2 | <2.0 | 7.8 | 1.0 | <2 | 1.62 | 0.06 | 27/07/2012 9/08/2012 |
| 25/07/2012 | 0.02 | <1.0 | <2.0 | 7.8 | <1.0 | 1 | 2.22 | 0.07 | 8/08/2012 9/08/2012 |
| 8/08/2012 | 0.11 | 2.0 | 3 | 7.8 | 1.1 | 4 | 2.40 | 0.08 | 18/08/2012 29/08/2012 |
| 22/08/2012 | 0.05 | 1.6 | <2.0 | 7.8 | 1.6 | 560 | 2.35 | 0.09 | 5/09/2012 12/09/2012 |
| 5/09/2012 | 0.03 | 2.4 | <2.0 | 7.9 | <1.0 | <1 | 2.72 | 0.10 | 18/09/2012 19/09/2012 |
| 19/09/2012 | 0.54 | <1.0 | <2.0 | 7.7 | 2.0 | <1 | 4.27 | 0.09 | 28/09/2012 30/09/2012 |
| 3/10/2012 | 2.46 | 5.0 | <2.0 | 7.8 | 1.1 | <1 | 5.83 | 0.08 | 11/10/2012 14/10/2012 |
| 17/10/2012 | 0.41 | 2.8 | <2.0 | 7.9 | <1.0 | <1 | 2.20 | 0.41 | 30/10/2012 31/10/2012 |
| 31/10/2012 | 0.03 | 1.0 | <2.0 | 7.9 | <1.0 | <1 | 1.95 | 0.07 | 9/11/2012 12/11/2012 |
| 14/11/2012 | 0.10 | 3.0 | <2.0 | 7.9 | 5.0 | 63 | 1.87 | 0.09 | 23/11/2012 26/11/2012 |
| 28/11/2012 | 0.05 | 4.0 | <2.0 | 7.9 | 1.1 | <1 | 1.60 | 0.09 | 11/12/2012 12/12/2012 |
| 12/12/2012 | 0.04 | 2.2 | 2 | 7.9 | 1.0 | <1 | 2.03 | 0.07 | 24/12/2012 25/12/2012 |
| 27/12/2012 | 0.03 | 1.4 | <2.0 | 7.9 | <1.0 | <1 | 2.31 | 0.08 | 7/01/2013 8/01/2013 |
| 9/01/2013 | 0.04 | 1.2 | <2.0 | 8.0 | <1.0 | <1 | 1.80 | 0.05 | 23/01/2013 24/01/2013 |
| 23/01/2013 | 0.05 | <1.0 | <2.0 | 7.8 | 1.0 | 1 | 1.43 | 0.06 | 4/02/2013 5/02/2013 |
| 6/02/2013 | 0.04 | <1.0 | 2 | 7.9 | <1.0 | <1 | 1.01 | 0.08 | 19/02/2013 20/02/2013 |
| 20/02/2013 | 0.26 | 1.5 | <2.0 | 7.4 | <1.0 | 2 | 2.34 | 0.08 | 1/03/2013 4/03/2013 |

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| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|--|--------------|----------------|---------------|--------------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 (mg/L) | 15 / 35 (mg/L) | 5 / 10 (mg/L) | 6.5-8.5 (pH units) | 15 / 30 (mg/L) | 100 / 600 (cfu/100ml) | 5 / 10 (mg/L) | 0.5 / 1 (mg/L) | Received/ Published |
| 6/03/2013 | 0.05 | 5 | <2.0 | 7.5 | 2.2 | 5 | 2.20 | 0.12 | 19/03/2013 20/03/2013 |
| 20/03/2013 | 0.06 | <1.0 | <2.0 | 7.8 | 1.6 | 1 | 1.30 | 0.09 | 18/04/2013 22/04/2013 |
| 3/04/2013 | 0.03 | <1.0 | <2.0 | 7.7 | 1.6 | 5 | 2.23 | 0.09 | 16/04/2013 17/04/2013 |
| 17/04/2013 | 0.04 | <1.0 | <2.0 | 7.9 | 1.2 | <2 | 1.34 | 0.10 | 26/04/2013 29/04/2013 |
| 1/05/2013 | 0.03 | <1.0 | <2.0 | 7.9 | <1.0 | <1 | 1.76 | 0.14 | 8/05/2013 9/05/2013 |
| 15/05/2013 | 0.04 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.64 | 0.06 | 28/05/2013 29/05/2013 |
| 29/05/2013 | 0.02 | <1.0 | <2.0 | 7.9 | 1.0 | 3 | 2.19 | 0.06 | 12/06/2013 13/06/2013 |
| 12/06/2013 | 0.03 | 1.1 | <2.0 | 7.8 | <1.0 | 74 | 1.37 | 0.05 | 25/06/2013 26/06/2013 |
| 26/06/2013 | 0.02 | <1.0 | <2.0 | 7.7 | 25 | 1 | 1.85 | 0.05 | 9/07/2013 10/07/2013 |
| 10/07/2013 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | 1 | 0.91 | 0.05 | 23/07/2013 24/07/2013 |
| 24/07/2013 | 0.08 | <1.0 | 2 | 7.8 | <1.0 | <1 | 1.27 | 0.06 | 1/08/2013 5/08/2013 |
| 7/08/2013 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.06 | 0.04 | 19/08/2013 20/08/2013 |
| 21/08/2013 | 0.02 | 2.4 | <2.0 | 7.9 | <1.0 | 1 | 1.33 | 0.07 | 30/08/2013 2/09/2013 |
| 4/09/2013 | 0.04 | <1.0 | <2.0 | 7.8 | <1.0 | 1 | 1.37 | 0.08 | 12/09/2013 16/09/2013 |
| 18/09/2013 | 0.11 | 1.6 | <2.0 | 7.7 | 1.8 | <1 | 1.50 | 0.05 | 26/09/2013 30/09/2013 |
| 2/10/2013 | 0.02 | 1.6 | <2.0 | 7.8 | <1.0 | <1 | 2.21 | 0.06 | 14/10/2013 15/10/2013 |
| 16/10/2013 | 0.02 | <1.0 | <2.0 | 7.9 | <1.0 | <1 | 1.17 | 0.06 | 30/10/2013 31/10/2013 |
| 30/10/2013 | 0.02 | <1.0 | <2.0 | 7.9 | <1.0 | 3 | 1.85 | 0.05 | 8/11/2013 11/11/2013 |
| 13/11/2013 | 0.04 | 1.0 | <2.0 | 7.9 | <1.0 | <1 | 0.91 | 0.06 | 27/11/2013 28/11/2013 |
| 27/11/2013 | 0.04 | 1.0 | <2.0 | 8.0 | 1.2 | 61 | 1.25 | 0.09 | 10/12/2013 11/12/2013 |
| 11/12/2013 | 0.04 | <1.0 | <2.0 | 7.8 | <1.0 | 11 | 1.09 | 0.06 | 24/12/2013 25/12/2013 |
| 24/12/2013 | 0.03 | <1.0 | <2.0 | 7.8 | <1.0 | 3 | 1.75 | 0.06 | 2/01/2014 6/01/2014 |
| 8/01/2014 | 0.04 | <1.0 | <2.0 | 7.9 | 1.8 | 1 | 2.39 | 0.07 | 20/01/2014 21/01/2014 |
| 22/01/2014 | 0.06 | 2.0 | <2.0 | 7.9 | <1.0 | 6 | 2.34 | 0.08 | 31/01/2014 3/02/2014 |
| 5/02/2014 | 0.04 | <1.0 | <2.0 | 7.9 | 1.4 | <1 | 1.27 | 0.06 | 19/02/2014 20/02/2014 |
| Monitoring Point: KWWTP/Effluent EPA Point: Point 1 | | | | | | | | | |
| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |

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31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 19/02/2014 | 0.30 | 1.3 | <2.0 | 7.8 | <1.0 | 1 | 3.32 | 0.06 | 3/03/2014 4/03/2014 |
| 5/03/2014 | 0.05 | <1.0 | <2.0 | 7.7 | 2.6 | <1 | 1.34 | 0.07 | 17/03/2014 18/03/2014 |
| 19/03/2014 | 0.05 | 1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.23 | 0.07 | 1/04/2014 2/04/2014 |
| 2/04/2014 | 0.04 | <1.0 | <2.0 | 7.7 | <1.0 | 7 | 1.57 | 0.06 | 11/04/2014 14/04/2014 |
| 16/04/2014 | 0.04 | <1.0 | <2 | 7.7 | <1.0 | <1 | 2.65 | 0.06 | 29/04/2014 30/04/2014 |
| 30/04/2014 | 0.05 | <1.0 | <2 | 7.7 | <1.0 | <1 | 1.03 | 0.07 | 12/05/2014 13/05/2014 |
| 14/05/2014 | 0.04 | <1.0 | <2 | 7.7 | 1.2 | 1 | 1.74 | 0.06 | 22/05/2014 26/05/2014 |
| 28/05/2014 | 0.03 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.21 | 0.05 | 5/06/2014 12/06/2014 |
| 11/06/2014 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.94 | 0.06 | 24/06/2014 25/06/2014 |
| 25/06/2014 | 0.02 | 1.6 | <2.0 | 7.6 | 2.0 | <1 | 1.92 | 0.09 | 4/07/2014 7/07/2014 |
| 9/07/2014 | 0.02 | <1.0 | <2 | 7.6 | 1.0 | <1 | 2.13 | 0.08 | 21/07/2014 22/07/2014 |
| 23/07/2014 | <0.02 | <1.0 | <2.0 | 7.5 | <1.0 | 1 | 1.81 | 0.05 | 31/07/2014 4/08/2014 |
| 6/08/2014 | <0.02 | 1.2 | <2.0 | 7.7 | 1.2 | <1 | 1.07 | 0.05 | 18/08/2014 19/08/2014 |
| 20/08/2014 | 0.04 | 1.2 | <2.0 | 7.7 | 1.0 | <1 | 1.10 | 0.07 | 2/09/2014 3/09/2014 |
| 3/09/2014 | 0.04 | <1.0 | 2 | 7.9 | 1.2 | 470 | 1.51 | 0.08 | 10/09/2014 18/09/2014 |
| 17/09/2014 | 0.18 | 3.8 | <2.0 | 7.6 | 1.0 | <1 | 2.15 | 0.10 | 24/09/2014 25/09/2014 |
| 1/10/2014 | <0.02 | <1.0 | 2 | 7.7 | <1.0 | <1 | 1.41 | 0.07 | 15/10/2014 20/10/2014 |
| 15/10/2014 | 0.04 | 2.2 | <2.0 | 7.8 | 1.4 | <1 | 1.02 | 0.08 | 28/10/2014 29/10/2014 |
| 29/10/2014 | 0.06 | 3.2 | <2.0 | 7.8 | 1.4 | 6 | 1.03 | 0.09 | 7/11/2014 10/11/2014 |
| 12/11/2014 | 0.05 | 2.0 | 4 | 7.7 | <1.0 | 1 | 0.85 | 0.06 | 26/11/2014 27/11/2014 |
| 26/11/2014 | 0.05 | 2.8 | <2.0 | 7.8 | <1.0 | 1 | 0.84 | 0.05 | 10/12/2014 11/12/2014 |
| 10/12/2014 | 0.08 | 1.2 | <2.0 | 7.6 | 1.0 | <1 | 1.32 | 0.09 | 19/12/2014 22/12/2014 |
| 23/12/2014 | 0.03 | 1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.59 | 0.07 | 5/01/2015 6/01/2015 |
| 7/01/2015 | 0.07 | 2.0 | <2.0 | 7.6 | 1.8 | <1 | 1.05 | 0.11 | 14/01/2015 15/01/2015 |
| 21/01/2015 | 0.04 | 1.2 | <2.0 | 7.6 | <1.0 | <1 | 0.98 | 0.09 | 4/02/2015 5/02/2015 |
| 4/02/2015 | 0.04 | <1.0 | <2.0 | 7.7 | <1.0 | 260 | 1.48 | 0.11 | 18/02/2015 19/02/2015 |
| 5/02/2015 | | | | | | <1 | | | 10/02/2015 11/02/2015 |

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31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 18/02/2015 | 0.05 | <1.0 | <2.0 | 7.6 | <1.0 | <1 | 0.97 | 0.13 | 3/03/2015 4/03/2015 |
| 4/03/2015 | 0.05 | <1.0 | <2.0 | 7.5 | <1.0 | <1 | 0.91 | 0.08 | 17/03/2015 18/03/2015 |
| 18/03/2015 | 0.05 | <1.0 | <2.0 | 7.7 | 1.2 | <1 | 0.89 | 0.09 | 27/03/2015 30/03/2015 |
| 1/04/2015 | 0.07 | <1.0 | <2.0 | 7.6 | 1.5 | 1 | 1.05 | 0.13 | 14/04/2015 16/04/2015 |
| 15/04/2015 | <0.02 | 1.6 | <2.0 | 7.7 | 1.0 | 5 | 1.20 | 0.11 | 29/04/2015 30/04/2015 |
| 29/04/2015 | 0.02 | 2.0 | <2.0 | 7.7 | 7.3 | 1 | 2.04 | 0.08 | 12/05/2015 14/05/2015 |
| 13/05/2015 | <0.02 | 2.6 | 3 | 7.5 | <1.0 | <1 | 1.74 | 0.09 | 26/05/2015 28/05/2015 |
| 27/05/2015 | <0.02 | <1.0 | <2.0 | 7.5 | <1.0 | <1 | 1.09 | 0.07 | 2/06/2015 4/06/2015 |
| 10/06/2015 | 0.02 | 1.4 | <2.0 | 7.6 | 1.2 | <1 | 1.98 | 0.08 | 24/06/2015 25/06/2015 |
| 24/06/2015 | <0.02 | 1.2 | <2.0 | 7.4 | <1.0 | <1 | 1.40 | 0.07 | 7/07/2015 8/07/2015 |
| 8/07/2015 | <0.02 | 1.4 | <2.0 | 7.6 | 1.0 | <1 | 1.99 | 0.10 | 21/07/2015 23/07/2015 |
| 22/07/2015 | 0.27 | 1.7 | <2.0 | 7.5 | <1.0 | <1 | 2.65 | 0.08 | 30/07/2015 3/08/2015 |
| 5/08/2015 | <0.02 | 1.1 | <2 | 7.5 | <1.0 | <1 | 1.74 | 0.07 | 18/08/2015 19/08/2015 |
| 19/08/2015 | <0.02 | 2.3 | <2.0 | 7.6 | <1.0 | <1 | 1.90 | 0.07 | 31/08/2015 1/09/2015 |
| 2/09/2015 | <0.02 | <1.0 | <2 | 7.7 | <1.0 | <1 | 1.33 | 0.06 | 9/09/2015 10/09/2015 |
| 16/09/2015 | <0.02 | <1.0 | <2 | 7.6 | <1.0 | 1 | 1.39 | 0.07 | 30/09/2015 1/10/2015 |
| 30/09/2015 | <0.02 | 2.0 | <2.0 | 7.5 | 3.0 | <1 | 2.64 | 0.13 | 8/10/2015 12/10/2015 |
| 14/10/2015 | 0.04 | 1.8 | <2 | 7.6 | 2.1 | 2 | 1.76 | 0.16 | 27/10/2015 28/10/2015 |
| 28/10/2015 | 0.04 | 2.4 | 2 | 7.7 | 2.6 | 2500 | 2.16 | 0.14 | 11/11/2015 12/11/2015 |
| 2/11/2015 | | | | | | 2 | | | 4/11/2015 28/01/2016 |
| 11/11/2015 | 0.03 | 1.0 | <5.0 | 7.5 | 2.5 | <1 | 1.01 | 0.12 | 25/11/2015 26/11/2015 |
| 25/11/2015 | 0.02 | 1.0 | <2.0 | 7.0 | <1.0 | 8 | 1.14 | 0.12 | 9/12/2015 14/12/2015 |
| 9/12/2015 | 0.05 | 1.6 | <2.0 | 7.5 | 2.8 | 27 | 1.02 | 0.12 | 23/12/2015 28/12/2015 |
| 23/12/2015 | 0.03 | 1.6 | <2.0 | 7.5 | 1.8 | 87 | 0.93 | 0.09 | 7/01/2016 28/01/2016 |
| 6/01/2016 | <0.02 | 1.6 | <2.0 | 7.5 | 1.9 | 65 | 0.95 | 0.09 | 15/01/2016 28/01/2016 |
| 20/01/2016 | 0.07 | 1.4 | <2 | 7.6 | 1.2 | 230 | 1.03 | 0.1 | 2/02/2016 25/02/2016 |
| 3/02/2016 | 0.04 | 1.8 | <2.0 | 7.5 | 1.0 | 68 | 1.02 | 0.12 | 17/02/2016 25/02/2016 |

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31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 17/02/2016 | 0.04 | 1.4 | <2 | 7.4 | 1.4 | 47 | 1.38 | 0.13 | 1/03/2016 3/03/2016 |
| 2/03/2016 | 0.22 | 4.2 | <2 | 7.3 | 1.2 | 39 | 3.34 | 0.15 | 9/03/2016 10/03/2016 |
| 16/03/2016 | 0.02 | 1.2 | <2 | 7.7 | <1.0 | 26 | 1.43 | 0.12 | 24/03/2016 28/03/2016 |
| 30/03/2016 | 0.02 | <1.0 | <2.0 | 7.6 | 1.2 | <1 | 1.65 | 0.11 | 12/04/2016 13/04/2016 |
| 13/04/2016 | <0.02 | 1.8 | <2 | 7.7 | 1.4 | <1 | 0.95 | 0.12 | 26/04/2016 27/04/2016 |
| 27/04/2016 | 0.03 | 1.2 | <2 | 7.4 | <1.0 | <1 | 1.35 | 0.11 | 10/05/2016 11/05/2016 |
| 11/05/2016 | <0.02 | <1.0 | <2 | 7.6 | <1.0 | <1 | 0.91 | 0.08 | 18/05/2016 19/05/2016 |
| 25/05/2016 | <0.02 | <1.0 | <2 | 7.7 | <1.0 | 1 | 1.32 | 0.07 | 7/06/2016 8/06/2016 |
| 8/06/2016 | 0.02 | 1.6 | <2 | 7.2 | 1.1 | <1 | 1.6 | 0.07 | 21/06/2016 23/06/2016 |
| 22/06/2016 | 0.03 | 1.6 | 2.9 | 7.5 | <1.0 | <1 | 0.93 | 0.05 | 28/06/2016 11/08/2016 |
| 6/07/2016 | 0.03 | <1.0 | <2.0 | 7.6 | <1.0 | <1 | 1.44 | 0.06 | 19/07/2016 11/08/2016 |
| 20/07/2016 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.05 | 0.05 | 27/07/2016 11/08/2016 |
| 3/08/2016 | 0.02 | <1.0 | <2.0 | 7.6 | 1.2 | <1 | 2.37 | 0.08 | 11/08/2016 15/08/2016 |
| 17/08/2016 | <0.02 | <1.0 | <2 | 7.7 | <1.0 | <1 | 3.59 | 0.09 | 30/08/2016 31/08/2016 |
| 31/08/2016 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 0.92 | 0.06 | 6/09/2016 7/09/2016 |
| 14/09/2016 | 0.02 | 1.6 | <2.0 | 7.8 | <1.0 | <1 | 1.44 | <0.02 | 21/09/2016 22/09/2016 |
| 28/09/2016 | <0.02 | 1.6 | <2.0 | 7.8 | <1.0 | <1 | 1.51 | 0.06 | 11/10/2016 12/10/2016 |
| 12/10/2016 | <0.02 | <1.0 | <2 | 7.8 | <1.0 | <1 | 1.92 | 0.07 | 19/10/2016 20/10/2016 |
| 26/10/2016 | 0.02 | <1.0 | <2 | 7.8 | <1.0 | 2 | 1.12 | 0.07 | 2/11/2016 3/11/2016 |
| 9/11/2016 | <0.02 | <1.0 | <2.0 | 7.9 | <1.0 | 1 | 1.54 | 0.08 | 16/11/2016 17/11/2016 |
| 23/11/2016 | <0.02 | <1.0 | <2 | 8.1 | 1.0 | <1 | 1.42 | 0.08 | 5/12/2016 6/12/2016 |
| 7/12/2016 | <0.02 | <1.0 | <2.0 | 7.9 | 1 | <1 | 3.72 | 0.11 | 14/12/2016 15/12/2016 |
| 21/12/2016 | 0.02 | <1.0 | <2 | 8.0 | 1.10 | 2 | 2 | 0.08 | 10/01/2017 11/01/2017 |
| 4/01/2017 | 0.03 | 1.8 | <2 | 7.7 | <1.0 | <1 | 1.89 | 0.11 | 18/01/2017 19/01/2017 |
| 18/01/2017 | <0.02 | <1.0 | <2.0 | 7.8 | 1.0 | 1 | 1.78 | 0.12 | 25/01/2017 26/01/2017 |
| 1/02/2017 | 0.02 | <1.0 | <2.0 | 7.8 | 1.2 | <1 | 1.08 | 0.14 | 8/02/2017 9/02/2017 |
| 15/02/2017 | 0.02 | 1.4 | <2.0 | 7.8 | <1.0 | <1 | 1.81 | 0.14 | 22/02/2017 23/02/2017 |

WWTP Effluent Monitoring

31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 1/03/2017 | 0.02 | <1.0 | <2 | 7.7 | 1.2 | 2 | 2.78 | 0.13 | 8/03/2017 9/03/2017 |
| 15/03/2017 | 0.02 | 1.4 | <2.0 | 7.8 | <1.0 | <1 | 2.61 | 0.1 | 23/03/2017 27/03/2017 |
| 29/03/2017 | <0.02 | <1.0 | <2.0 | 7.6 | <1.0 | 2 | 1.37 | 0.1 | 6/04/2017 4/05/2017 |
| 12/04/2017 | <0.02 | 1.0 | 5 | 7.6 | <1.0 | 9 | 1.41 | 0.08 | 26/04/2017 4/05/2017 |
| 26/04/2017 | <0.02 | <1.0 | <2.0 | 7.6 | <1.0 | 1 | 0.84 | 0.06 | 3/05/2017 4/05/2017 |
| 10/05/2017 | <0.02 | <1.0 | <2.0 | 7.8 | <1.0 | 1 | 2.57 | 0.07 | 23/05/2017 25/05/2017 |
| 24/05/2017 | <0.02 | 1.2 | <2.0 | 7.6 | <1.0 | 7 | 1.69 | 0.08 | 30/05/2017 31/05/2017 |
| 7/06/2017 | 0.02 | 1.5 | <2.0 | 7.6 | 1.2 | <1 | 3.24 | 0.1 | 15/06/2017 19/06/2017 |
| 21/06/2017 | <0.02 | <1.0 | 8 | 7.6 | <1.0 | <1 | 1.24 | 0.08 | 29/06/2017 3/07/2017 |
| 5/07/2017 | 0.02 | 1.0 | <2.0 | 7.6 | <1.0 | <1 | 2.27 | 0.08 | 18/07/2017 19/07/2017 |
| 19/07/2017 | 0.02 | 1.0 | 2.5 | 7.7 | <1.0 | <1 | 1.12 | 0.08 | 1/08/2017 2/08/2017 |
| 2/08/2017 | 0.02 | 2.0 | <2.0 | 7.8 | <1.0 | <1 | 0.9 | 0.06 | 10/08/2017 14/08/2017 |
| 16/08/2017 | <0.02 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 0.96 | 0.06 | 29/08/2017 30/08/2017 |
| 30/08/2017 | <0.02 | 1.0 | <2 | 7.8 | <1.0 | <1 | 1.19 | 0.07 | 7/09/2017 11/09/2017 |
| 13/09/2017 | <0.02 | <1.0 | <2.0 | 7.6 | 1.4 | <1 | 1.37 | 0.13 | 20/09/2017 12/10/2017 |
| 27/09/2017 | 0.02 | 1.5 | <2.0 | 7.8 | <1.0 | 3 | 1.17 | 0.1 | 5/10/2017 12/10/2017 |
| 11/10/2017 | 0.02 | 1.4 | <2.0 | 7.7 | <1.0 | 1 | 1.14 | 0.08 | 25/10/2017 26/10/2017 |
| 25/10/2017 | <0.02 | 1.4 | <2.0 | 7.6 | 1.1 | 1 | 1.07 | 0.08 | 2/11/2017 6/11/2017 |
| 8/11/2017 | <0.02 | <1.0 | <2.0 | 7.6 | <1.0 | <1 | 0.9 | 0.11 | 16/11/2017 13/12/2017 |
| 22/11/2017 | 0.02 | 1.0 | 3.5 | 7.8 | <1.0 | 3 | 1.24 | 0.12 | 30/11/2017 13/12/2017 |
| 6/12/2017 | 0.02 | 1.0 | <2.0 | 7.7 | <1.0 | 1 | 1.72 | 0.13 | 14/12/2017 18/12/2017 |
| 20/12/2017 | 0.13 | 2.8 | <2.0 | 7.6 | 2.4 | 1 | 2.56 | 0.15 | 28/12/2017 1/01/2018 |
| 3/01/2018 | 0.03 | 1.0 | <2.0 | 7.8 | <1.0 | 1 | 1.43 | 0.09 | 16/01/2018 17/01/2018 |
| 17/01/2018 | <0.02 | 1.4 | <2.0 | 7.8 | 1.4 | 1 | 2.03 | 0.09 | 25/01/2018 29/01/2018 |
| 31/01/2018 | 0.02 | 1.4 | 2 | 8.0 | 1.4 | 3 | 1.28 | 0.11 | 6/02/2018 7/02/2018 |
| 14/02/2018 | 0.02 | 1.2 | <2 | 7.8 | <1.0 | 16 | 1.31 | 0.2 | 22/02/2018 26/02/2018 |
| 28/02/2018 | 0.02 | <1.0 | <2.0 | 7.2 | 16 | <1 | 2.58 | 0.48 | 6/03/2018 7/03/2018 |

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31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|--------------|----------------|---------------|--------------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 (mg/L) | 10 / 20 (mg/L) | 5 / 10 (mg/L) | 6.5-8.5 (pH units) | 15 / 30 (mg/L) | 100 / 600 (cfu/100ml) | 5 / 10 (mg/L) | 0.5 / 1 (mg/L) | Received/ Published |
| 14/03/2018 | 0.02 | <1.0 | <2.0 | 7.5 | 1.4 | <1 | 1.47 | 0.11 | 22/03/2018 26/03/2018 |
| 28/03/2018 | <0.02 | <1.0 | <2.0 | 7.3 | 7.8 | <1 | 2.67 | 0.09 | 5/04/2018 9/04/2018 |
| 11/04/2018 | 0.02 | 1.2 | <2.0 | 7.6 | <1.0 | <1 | 1.05 | 0.08 | 18/04/2018 19/04/2018 |
| 26/04/2018 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | 2 | 0.9 | 0.08 | 8/05/2018 9/05/2018 |
| 9/05/2018 | 0.02 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.55 | 0.08 | 16/05/2018 17/05/2018 |
| 23/05/2018 | <0.02 | <1.0 | 3 | 7.8 | <1.0 | <1 | 0.95 | 0.08 | 29/05/2018 30/05/2018 |
| 6/06/2018 | <0.02 | 1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.27 | 0.07 | 14/06/2018 18/06/2018 |
| 20/06/2018 | <0.02 | <1.0 | 2 | 7.8 | <1.0 | <1 | 1.98 | 0.07 | 28/06/2018 5/07/2018 |
| 4/07/2018 | <0.02 | <1.0 | <2.0 | 7.5 | <1.0 | <1 | 2.38 | 0.06 | 12/07/2018 16/07/2018 |
| 18/07/2018 | <0.02 | <1.0 | <2.0 | 7.6 | <1.0 | <1 | 2.18 | 0.08 | 26/07/2018 30/07/2018 |
| 1/08/2018 | <0.02 | 1.6 | <2.0 | 7.7 | <1.0 | <1 | 1.71 | 0.1 | 14/08/2018 15/08/2018 |
| 15/08/2018 | 0.17 | 1.0 | <2.0 | 7.7 | <1.0 | <1 | 2 | 0.08 | 28/08/2018 29/08/2018 |
| 29/08/2018 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.77 | 0.09 | 11/09/2018 12/09/2018 |
| 12/09/2018 | <0.02 | <1.0 | <2.0 | 7.9 | <1.0 | 1 | 1.11 | 0.07 | 25/09/2018 26/09/2018 |
| 26/09/2018 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.7 | 0.06 | 4/10/2018 8/10/2018 |
| 10/10/2018 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 0.95 | 0.07 | 18/10/2018 22/10/2018 |
| 24/10/2018 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 0.95 | 0.07 | 8/11/2018 12/11/2018 |
| 7/11/2018 | 0.02 | 1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.02 | 0.1 | 15/11/2018 19/11/2018 |
| 21/11/2018 | 0.02 | 1.4 | <2.0 | 7.6 | <1.0 | 4 | 1.34 | 0.1 | 9/01/2019 10/01/2019 |
| 5/12/2018 | <0.02 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.15 | 0.1 | 19/12/2018 20/12/2018 |
| 19/12/2018 | 0.02 | 1.0 | <2.0 | 7.9 | <1.0 | 1 | 1.24 | 0.09 | 31/12/2018 1/01/2019 |
| 2/01/2019 | 0.02 | 3.2 | <2.0 | 7.5 | 1.6 | 7 | 2.4 | 0.14 | 15/01/2019 16/01/2019 |
| 16/01/2019 | <0.02 | <1.0 | <2.0 | 7.8 | <1.0 | 1 | 1.04 | 0.11 | 24/01/2019 28/01/2019 |
| 30/01/2019 | <0.02 | 1.4 | <2.0 | 7.81 | <1.0 | 3 | 1.14 | 0.1 | 5/02/2019 6/02/2019 |
| 13/02/2019 | 0.02 | 1.2 | <2.0 | 7.7 | <1.0 | <1 | 1.25 | 0.1 | 21/02/2019 25/02/2019 |
| 27/02/2019 | 0.02 | <1.0 | <2.0 | 7.5 | <1.0 | 3 | 2.47 | 0.09 | 7/03/2019 11/03/2019 |
| 13/03/2019 | 0.02 | <1.0 | <2.0 | 7.7 | <1.0 | 1 | 2.09 | 0.09 | 19/03/2019 20/03/2019 |

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31/03/2012 to 25/05/2020



| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | Published |
| 27/03/2019 | 0.02 | <1.0 | <2.0 | 7.6 | 1.2 | 2 | 2.4 | 0.12 | 2/04/2019 3/04/2019 |
| 10/04/2019 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 2.51 | 0.11 | 23/04/2019 24/04/2019 |
| 24/04/2019 | <0.02 | <1.0 | <2.0 | 7.8 | <1.0 | <1 | 1.79 | 0.1 | 2/05/2019 6/05/2019 |
| 8/05/2019 | 0.02 | 1.8 | <2.0 | 7.6 | <1.0 | <1 | 2.27 | 0.09 | 15/05/2019 16/05/2019 |
| 22/05/2019 | 0.02 | <1.0 | <2.0 | 7.5 | <1.0 | <1 | 1.27 | 0.09 | 30/05/2019 3/06/2019 |
| 5/06/2019 | <0.02 | <1.0 | <2.0 | 7.6 | <1.0 | <1 | 1.74 | 0.08 | 12/06/2019 13/06/2019 |
| 19/06/2019 | 0.03 | <1.0 | <2.0 | 7.6 | <1.0 | 1 | 2.02 | 0.08 | 25/06/2019 26/06/2019 |
| 3/07/2019 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 2.07 | 0.1 | 11/07/2019 15/07/2019 |
| 17/07/2019 | 0.02 | 1.0 | <2 | 7.5 | <1.0 | <1 | 2.04 | 0.09 | 25/07/2019 29/07/2019 |
| 31/07/2019 | 0.02 | <1.0 | <2.0 | 7.5 | <1.0 | <1 | 1.87 | 0.08 | 6/08/2019 7/08/2019 |
| 14/08/2019 | 0.03 | 1.2 | <2.0 | 7.6 | 1.6 | 2 | 2.69 | 0.11 | 20/08/2019 21/08/2019 |
| 28/08/2019 | 0.02 | 1.2 | <2.0 | 7.5 | <1.0 | <1 | 1.22 | 0.08 | 3/09/2019 4/09/2019 |
| 11/09/2019 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.69 | 0.08 | 18/09/2019 19/09/2019 |
| 25/09/2019 | 0.02 | 4.2 | <2.0 | 7.5 | <1.0 | 5 | 1.22 | 0.07 | 1/10/2019 2/10/2019 |
| 9/10/2019 | 0.02 | 2.2 | <2.0 | 7.4 | <1.0 | <1 | 1.42 | 0.13 | 15/10/2019 16/10/2019 |
| 23/10/2019 | 0.03 | 1.6 | <2.0 | 7.4 | 1.6 | <1 | 1.37 | 0.1 | 29/10/2019 30/10/2019 |
| 6/11/2019 | 0.03 | 2.2 | <2.0 | 7.7 | 1 | 2 | 1.54 | 0.12 | 12/11/2019 13/11/2019 |
| 20/11/2019 | <0.02 | 1.8 | <2.0 | 7.6 | <1.0 | 2 | 1.57 | 0.09 | 26/11/2019 27/11/2019 |
| 4/12/2019 | <0.02 | 1.4 | <2.0 | 7.5 | 2.0 | 33 | 1.13 | 0.1 | 10/12/2019 11/12/2019 |
| 18/12/2019 | <0.02 | 1.6 | <2.0 | 7.5 | <1.0 | <1 | 1.26 | 0.09 | 23/12/2019 24/12/2019 |
| 2/01/2020 | 0.02 | 1.0 | 2 | 7.8 | 1.4 | <1 | 1.27 | 0.08 | 13/01/2020 11/02/2020 |
| 15/01/2020 | <0.02 | <1.0 | <2.0 | 7.9 | 1 | 1 | 2.69 | 0.1 | 28/01/2020 11/02/2020 |
| 29/01/2020 | 0.02 | <1.0 | 3 | 7.8 | <1.0 | 1 | 0.99 | 0.09 | 4/02/2020 11/02/2020 |
| 12/02/2020 | 0.02 | 1.0 | <2 | 7.1 | 2.4 | 12 | 0.82 | 0.14 | 25/02/2020 26/02/2020 |
| 26/02/2020 | 0.02 | 1.2 | <2.0 | 7.7 | <1.0 | <1 | 1.06 | 0.1 | 5/03/2020 9/03/2020 |
| 11/03/2020 | 0.02 | 1.0 | <2.0 | 7.5 | 1.2 | 7 | 2.26 | 0.08 | 25/03/2020 26/03/2020 |
| 25/03/2020 | 0.02 | 1.2 | <2.0 | 7.5 | <1.0 | <1 | 0.93 | 0.09 | 7/04/2020 8/04/2020 |

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| Pollutant | Ammonia | BOD5 | Oil & Grease | pH | Suspended Solids | Thermotolerant Coliforms | Total Nitrogen | Total Phosphorus | |
|------------|---------|---------|--------------|------------|------------------|--------------------------|----------------|------------------|--------------------------|
| Limits* | 2 / 4 | 10 / 20 | 5 / 10 | 6.5-8.5 | 15 / 30 | 100 / 600 | 5 / 10 | 0.5 / 1 | Received/ Published |
| Date | (mg/L) | (mg/L) | (mg/L) | (pH units) | (mg/L) | (cfu/100ml) | (mg/L) | (mg/L) | |
| 8/04/2020 | <0.02 | <1.0 | <2.0 | 7.7 | <1.0 | <1 | 1.13 | 0.08 | 21/04/2020 22/04/2020 |
| 22/04/2020 | 0.02 | 1.0 | <2.0 | 7.5 | <1.0 | 1 | 1.69 | 0.09 | 2/05/2020 4/05/2020 |
| 6/05/2020 | 0.02 | 1.2 | <2.0 | 7.6 | <1.0 | 1 | 1.11 | 0.09 | 13/05/2020 14/05/2020 |
| 20/05/2020 | | | | | | <1 | | | 22/05/2020 25/05/2020 |

*Notes regarding Licence Limits

A single number denotes a maximum value that should not be exceeded.

Two numbers separated by a slash " / " denote a 90% limit and a maximum limit.

Two numbers separated by a dash " - " denote minimum and maximum limits.

The 90% limit means at least 90% of readings in the twelve month licence period should be below this value, i.e up to 10% of readings can exceed this value and the licence may still be complied with (provided the maximum limit has not also been exceeded). When looking at less than twelve months of data it is possible that more than 10% of readings may exceed the 90% limit while not indicating a failure to comply with licence limits.