

Sussex Inlet Recycling & Waste Facility - 2021 - 2022 EPL Water Monitoring Data

Licencee: Shoalhaven City Council, PO Box 42 Nowra 254



Surrendered Environmental Protection Licence #5879
Springs Road, Sussex Inlet

SW01

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Min Value | Mean Value | Median Value | Max Value |
|------------------------|----------|-------------------------------|---------------------|-----------|------------|--------------|-----------|
| Ammonia as N | mg/L | Quarterly | 4 | 0 | 2.2925 | 2.31 | 4.55 |
| Conductivity | uS/cm | Quarterly | 4 | 165 | 849.25 | 941 | 1350 |
| pH | pH units | Quarterly | 4 | 5.3 | 6.5 | 6.35 | 8 |
| Total Dissolved Solids | mg/L | Quarterly | 4 | 123 | 582.5 | 711 | 785 |

SW02

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Min Value | Mean Value | Median Value | Max Value |
|------------------------|----------|-------------------------------|---------------------|-----------|------------|--------------|-----------|
| Ammonia as N | mg/L | Quarterly | 4 | 0 | 0.4075 | 0.025 | 1.58 |
| Conductivity | uS/cm | Quarterly | 4 | 83 | 457.25 | 273 | 1200 |
| pH | pH units | Quarterly | 4 | 4.7 | 6.2 | 6.1 | 7.9 |
| Total Dissolved Solids | mg/L | Quarterly | 4 | 95 | 271.25 | 144 | 702 |

MW01

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Min Value | Mean Value | Median Value | Max Value |
|------------------------|----------|-------------------------------|---------------------|-----------|------------|--------------|-----------|
| pH | pH units | Quarterly | 4 | 2.6 | 4.075 | 4.25 | 5.2 |
| Conductivity | uS/cm | Quarterly | 4 | 4550 | 5745 | 6100 | 6230 |
| Total Dissolved Solids | mg/L | Quarterly | 3 | 4480 | 4593.33333 | 4640 | 4660 |
| Ammonia as N | mg/L | Quarterly | 4 | 0.34 | 0.4425 | 0.37 | 0.69 |
| Nitrate | mg/L | Quarterly | 4 | 0 | 0.04 | 0.015 | 0.13 |
| Total Phosphorus as P | mg/L | Quarterly | 4 | 0.07 | 0.3125 | 0.3 | 0.58 |
| Total Organic Carbon | mg/L | Quarterly | 4 | 2 | 2.75 | 2.5 | 4 |

MW02

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Min Value | Mean Value | Median Value | Max Value |
|------------------------|----------|-------------------------------|---------------------|-----------|------------|--------------|-----------|
| pH | pH units | Quarterly | 4 | 3.8 | 4.2 | 4.1 | 4.8 |
| Conductivity | uS/cm | Quarterly | 4 | 1110 | 1460 | 1375 | 1980 |
| Total Dissolved Solids | mg/L | Quarterly | 3 | 902 | 1097.33333 | 1000 | 1390 |
| Ammonia as N | mg/L | Quarterly | 4 | 0 | 0.015 | 0.015 | 0.03 |
| Nitrate | mg/L | Quarterly | 4 | 0 | 0.0325 | 0.02 | 0.09 |
| Total Phosphorus as P | mg/L | Quarterly | 4 | 0.01 | 0.0175 | 0.015 | 0.03 |
| Total Organic Carbon | mg/L | Quarterly | 4 | 6 | 8 | 8.5 | 9 |

MW03

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Min Value | Mean Value | Median Value | Max Value |
|------------------------|----------|-------------------------------|---------------------|-----------|------------|--------------|-----------|
| pH | pH units | Quarterly | 4 | 4.5 | 5.15 | 5.25 | 5.6 |
| Conductivity | uS/cm | Quarterly | 4 | 312 | 4180.5 | 5095 | 6220 |
| Total Dissolved Solids | mg/L | Quarterly | 3 | 1940 | 3100 | 2700 | 4660 |
| Ammonia as N | mg/L | Quarterly | 4 | 0.03 | 0.1925 | 0.175 | 0.39 |
| Nitrate | mg/L | Quarterly | 4 | 0 | 0.0025 | 0 | 0.01 |
| Total Phosphorus as P | mg/L | Quarterly | 4 | 0.07 | 0.1175 | 0.125 | 0.15 |
| Total Organic Carbon | mg/L | Quarterly | 4 | 0 | 5.25 | 5.5 | 10 |

LD01

| Analyte | Units | Frequency of Monitoring Req'd | # of times measured | Jan-21 | Feb-22 |
|-------------------------|----------|-------------------------------|---------------------|--------|--------|
| Ammonia as N | mg/L | Annual | 1 | 1.19 | 1.68 |
| Electrical Conductivity | uS/cm | Annual | 1 | 1300 | 1340 |
| Nitrate | mg/L | Annual | 1 | 0.02 | 0 |
| pH | pH units | Annual | 1 | 7.5 | 5 |
| Phosphorus (Total) | mg/L | Annual | 1 | 0.17 | 0.15 |
| Total Dissolved Solids | mg/L | Annual | 1 | 892 | 783 |
| Total Organic Carbon | mg/L | Annual | 1 | 29 | 38 |

Notes:

Total dissolved solids not tested in October quarterly sampling round