

2022 Cap Brulé WWTP - Lab Results

| Date | Influent | | Effluent | | | | | | |
|--------|-------------------|-----|-------------------|----|-------|----------------------|---------------------|--------------------------|-------------------------|
| | CBOD ₅ | SS | CBOD ₅ | SS | TAN | before UV E. coli | after UV E. Coli | before UV enterococci | after UV enterococci |
| 05-Jan | 40 | 33 | 14 | 6 | 12.80 | | 2 | | 10.0 |
| 19-Jan | 28 | 22 | 18 | 11 | 15.00 | | 40 | | 63.0 |
| 02-Feb | 97 | 71 | 20 | 13 | 16.00 | | 322 | | 504.0 |
| 16-Feb | 29 | 28 | 19 | 14 | 9.40 | | 106 | | 108.0 |
| 02-Mar | 31 | 28 | 15 | 6 | 6.70 | | 86 | | 226.0 |
| 15-Mar | 19 | 20 | 13 | 10 | 7.70 | | 910 | | 583.0 |
| 30-Mar | 25 | 25 | 14 | 7 | 6.10 | | 224 | | 142.4 |
| | 38 | 32 | 16 | 10 | | | | | |
| 13-Apr | 39 | 31 | 15 | 16 | 5.70 | | 52 | | 43.6 |
| 27-Apr | 43 | 38 | 19 | 40 | 4.90 | | 58 | | 40.2 |
| 11-May | 82 | 77 | 21 | 31 | 4.30 | | 2 | | 6.2 |
| 26-May | 181 | 133 | 25 | 57 | 4.40 | | 46 | | 2.0 |
| 08-Jun | 70 | 48 | 31 | 51 | 0.05 | | 20 | | 20.0 |
| 23-Jun | 152 | 34 | 35 | 48 | 0.07 | | 170 | | 10.0 |
| | 95 | 60 | 24 | 41 | | | | | |
| 06-Jul | 106 | 74 | 17 | 27 | 1.50 | | 62 | | 31.0 |
| 20-Jul | 77 | 72 | 13 | 19 | 13.70 | | 88 | | 10.0 |
| 03-Aug | 86 | 63 | 8 | 15 | 21.00 | | 2 | | 10.0 |
| 17-Aug | 45 | 47 | 16 | 23 | 18.00 | | 118 | | 20.0 |
| 31-Aug | 166 | 149 | 16 | 43 | 0.13 | | 31 | | 20.0 |
| 14-Sep | 93 | 113 | 12 | 20 | 1.02 | | 2 | | 20.0 |
| 28-Sep | 48 | 44 | 15 | 6 | 5.80 | | 248 | | 10.0 |
| | 89 | 80 | 14 | 17 | | | | | |
| 03-Oct | | | | | | | 2 | | |
| 12-Oct | 49 | 56 | 7 | 13 | 15.00 | | 2 | | 10.0 |
| 26-Oct | 83 | 86 | 7 | 9 | 17.00 | | 4 | | 10.0 |
| 09-Nov | 175 | 159 | 7 | 21 | 16.00 | | 2 | | 10.0 |
| 23-Nov | 56 | 45 | 11 | 9 | 12.80 | | 500 | | 108.0 |
| 07-Dec | 74 | 67 | 12 | 12 | 11.60 | | 8 | | 20.0 |
| 20-Dec | 17 | 31 | 9 | 11 | 8.70 | | 2 | | 10.0 |
| | 76 | 74 | 9 | 13 | | | | | |

| | | | |
|---------------|---------------------------------|-------------|--|
| 11-Jul | Toxicity test (effluent) | Fail | (Toxicity test conducted by AGAT Laboratories) |
| 24-Oct | Toxicity test (effluent) | Pass | (Toxicity test conducted by AGAT Laboratories) |

- Effluent standards are: as per DELGNB CofA S-3281

CBOD₅ and SS - quaterly average ≤ 25mg/l (SS exception >25mg/l, Jul-Oct.)

E.Coli ≤ 200 MPN/100ml - From May 1st to October 31st

E.Coli ≤ 1000 MPN/100ml - From November 1st to April 30th (effective April 30, 2019)

- Legend: **SS**: Suspended Solids, **CBOD₅**: Carbonaceous Biochemical Oxygen Demand,
TAN: Total Ammonia Nitrogen,

These analyses are conducted by RPC Laboratories - Moncton
Enterococci results do not have to be reported