



Water and Waste Department • Service des eaux et des déchets

---

September 30, 2011

Our Files: 040-17-08-29-00  
040-17-08-15-00  
040-17-08-35-00

Ms. Siobhan Burland-Ross  
Environmental Assessment and Licensing Branch  
Manitoba Conservation  
Suite 160 – 123 Main Street  
Winnipeg, Manitoba  
R3C 1A5

Dear Ms. Burland-Ross:

**RE: AUGUST 2011 MONITORING REPORTS FOR THE WEST END WATER POLLUTION CONTROL CENTRE LICENCE NO. 2669 E RR, THE NORTH END WATER POLLUTION CONTROL CENTRE LICENCE NO. 2684 RRR AND THE SOUTH END WATER POLLUTION CONTROL CENTRE LICENCE NO. 2716 R**

Attached please find the August 2011 Monitoring Reports for Licence No. 2669 E RR issued for the City of Winnipeg West End Water Pollution Control Centre (WEWPCC), Licence No. 2684 RRR issued for the City of Winnipeg North End Water Pollution Control Centre (NEWPCC) and Licence No. 2716 R issued for the City of Winnipeg South End Water Pollution Control Centre (SEWPCC).

Please note the following respecting the report for Licence #2669 E RR:

1. On August 27, there was no 24 hour final effluent sample due to a sampler malfunction.
2. We are pleased to report that the ammonia results have met the limit set in the licence. The total nitrogen and phosphorus thirty-day rolling averages met the limits set in the licence in August.
3. The TSS results met the limit set in the licence in August.
4. There were no results for cBOD5 on August 14 and 28 due to sample preparation errors. The cBOD5 results met the limit set in the licence in August.
5. On August 23, there was no result for E.coli due to a contract lab error. We are pleased to report that during the month of August the fecal coliform and E. coli results met the limits set in the licence.

Please note the following respecting the report for Licence #2684 RRR:

1. On August 18, the TSS result was in excess of the 30 mg/L limit in the licence. The high TSS value was due to intermittent high flows and bypass events which contributed to the increased turbidity result. The TSS average result for August met the limit set in the licence.

2. There were no results for BOD5 and cBOD5 on August 14 and 28 due to sample preparation errors. The BOD5 results were in excess of the 30 mg/L limit in the licence on 9 days in August. The high BOD5 values on some days were due to intermittent high flows and bypass events. As indicated in earlier monitoring submissions, the cBOD5 and TOC results have been consistently low, and through testing we have shown that these high results may be due to nitrification occurring. The BOD5 average result for August met the limit set in the licence.
3. On August 23, there was no result for E.coli due to a contract lab error. During the month of August, the geometric mean for the fecal coliform and E. coli results did not meet the limits set in the licence. We suspect a possible sampling issue may have caused the high results. We are investigating and hope to have this resolved in the near future.

Please note the following respecting the report for Licence #2716 R:

1. On August 18, the TSS result was in excess of the 30 mg/L limit in the licence. The high TSS value was due to intermittent high flows and bypass events which contributed to the increased turbidity result. The TSS average result for August met the limit set in the licence.
2. There were no results for BOD5 and cBOD5 on August 14 and 28 due to sample preparation errors. On August 18 and 27, the BOD5 results were in excess of the 30 mg/L limit in the licence. The high BOD5 value on August 18 was due to intermittent high flows and bypass events. The cause for the other high value is unknown. The BOD5 average result met the limit set in the licence in August.
3. On August 23, there was no result for E.coli due to a contract lab error. On August 3, the flow exceeded 98.6 ML/day at the time of sampling due to maintenance performed earlier in the day therefore the value from that day was not included in the geometric mean calculation. We are pleased to report that during the month of August the fecal coliform and E. coli results met the limits set in the licence.

As mentioned in previous submissions, the City has requested that the Province change the present "daily not to exceed" BOD5 and TSS limits in the licences to monthly or running 30 day average limits. This request is under consideration by Manitoba Conservation.

The city has also requested that the Province eliminate the BOD5 test. This test is not a valid test procedure for final effluent and should not be used for compliance assessment purposes. It is important to recognize that under certain conditions, the City of Winnipeg's wastewater treatment plants experience nitrifying activity. Under such conditions the BOD5 will continue to exceed the limits from time to time. The city has requested that the BOD5 test be replaced with the carbonaceous BOD5 test.

Please let me know of any concerns or questions respecting this submission. I may be reached at the below address, by telephone at 986-4807 or by email at [kkjartanson@winnipeg.ca](mailto:kkjartanson@winnipeg.ca).

Thanks for your ongoing cooperation and understanding in this matter.

Yours sincerely,

*Original signed by:*

K.J.T. Kjartanson, P.Eng.  
Manager of Environmental Standards  
KJTK/RG  
Attachments

c: Mark Stephens, Manitoba Conservation      B.D. MacBride, P.Eng.  
W.J. Borlase, P.Eng.      M.A. Shkolny, P.Eng.