



Water and Waste Department • Service des eaux et des déchets

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August 29, 2011

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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: JULY 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 July 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. We are pleased to report that the ammonia results have met the limit set in the licence. The total nitrogen thirty-day rolling average met the limit set in the licence in July. The total phosphorus thirty-day rolling average met the limit set in the licence on the last day in July. The total phosphorus results met the limit set in the licence coming out of the treatment plant but the levels increase through the polishing cells.
2. The TSS results met the limit set in the licence in July.
3. There was no result for cBOD5 on July 14 due to a technician error. The cBOD5 results met the limit set in the licence in July.
4. We are pleased to report that during the month of July 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 July 4 and 15, the TSS results were in excess of the 30 mg/L limit in the licence. The high TSS value on July 4 was due to intermittent high flows and bypass events which contributed to the increased turbidity result. The cause for the other high value is unknown. The TSS average result for July met the limit set in the licence.
2. The BOD5 results were in excess of the 30 mg/L limit in the licence on 9 days in July. 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 July met the limit set in the licence.

3. From July 15 to July 21, the UV system was compromised due to a plant upset created by an unidentified substance that came through the plant. Although the secondary treatment was not compromised the UV system was affected and the fecal coliform value did not meet the licence limit this month. During the month of July, the geometric mean for the E. coli results met the limit set in the licence.

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

1. On July 4, 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 July met the limit set in the licence.
2. On July 4, the BOD5 result was in excess of the 30 mg/L limit in the licence. The high BOD5 value was due to intermittent high flows and bypass events. The BOD5 average result met the limit set in the licence in July.
5. We are pleased to report that during the month of July 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.