



Water and Waste Department • Service des eaux et des déchets

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April 28, 2010

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

Ryan Coulter  
Environmental Assessment and Licensing Branch  
Manitoba Conservation  
Suite 160 – 123 Main Street  
Winnipeg, Manitoba  
R3C 1A5

Dear Mr. Coulter:

**RE: MARCH 2010 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 March 2010 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 March. The total phosphorus thirty-day rolling average did not meet the limit set in the licence for most of the month of March. The high total phosphorus results may have been due to secondary by-passing during the spring run-off period.
2. The cBOD5 licence limit was met in March.
3. The TSS results met the limit set in the licence in March.
4. We are pleased to report that during the month of March 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. The BOD5 results were in excess of the 30 mg/L limit in the licence on 12 days in March. The high BOD5 values were due to high flows and bypass events caused by snow melt conditions. The BOD5 average result for March met the limit set in the licence.
2. The TSS results were in excess of the 30 mg/L limit in the licence on 9 days in March. The high TSS values were due to high flows and bypass events caused by snow melt conditions which contributed to the increased turbidity results. The TSS average result for March met the limit set in the licence.
3. There was no sample for fecal coliform and E.coli on March 27 due to a technician error. On March 31, the plant flows were beyond bypass levels at the time of sampling and the values from that day were not included in the geometric mean calculation. We are pleased to report

that during the month of March the fecal coliform and E. coli results met the limits set in the licence.

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

1. The BOD5 result was in excess of the 30 mg/L limit in the licence on 12 days in March. We have been performing maintenance activities as well as experiencing settling issues that may have contributed to the high values. We have also experienced snow melt conditions which have contributed to the high BOD5 values. The BOD5 average result for March did not meet the limit set in the licence.
2. There was no result for TSS on March 12 due to a technician error. The TSS results were in excess of the 30 mg/L limit in the licence on 12 days in March. As mentioned above, the high TSS values were due to maintenance activities and high flows and bypass events caused by snow melt conditions. The TSS average result for March did not meet the limit set in the licence.
3. On March 9 and 11, the plant flows were beyond bypass levels at the time of sampling and the values from that day were not included in the geometric mean calculation. On March 13, the flow exceeded 98.6 ML/day in accordance with the licence therefore the values from that day were not included in the geometric mean calculation. We are pleased to report that during the month of March 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 above 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: Cliff Lee, P.Eng., Assistant Director of Red River Region  
B.D. MacBride, P.Eng.  
W.J. Borlase, P.Eng.  
M.A. Shkolny, P.Eng.

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