



Water and Waste Department • Service des eaux et des déchets

July 29, 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: JUNE 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 June 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 that the fecal coliform and E.coli results on May 14, 17, and 20 were entered incorrectly on the South End Water Pollution Control Centre report for May 2010. The changes have been made and the revised report is attached for your records.

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 June. The total phosphorus thirty-day rolling average did not meet the limit set in the licence in June. As mentioned in the previous submission, we are experiencing process issues with our secondary which results in by-passing.
2. The TSS results met the limit set in the licence in June.
3. The cBOD5 results met the limit set in the licence in June.
4. We are pleased to report that during the month of June 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. There was no 24 hour final effluent composite sample on June 23 because the automatic sampler was offline due to maintenance.
2. The TSS results were in excess of the 30 mg/L limit in the licence on 3 days in June. The high TSS values were due to high flows and bypass events which contributed to the increased turbidity results. Although the flow exceeded 380 ML/day in accordance with the licence on June 4 and 18, the values from those days are included in the average result calculation. The TSS average result for June met the limit set in the licence.

3. The BOD5 results were in excess of the 30 mg/L limit in the licence on 3 days in June. On June 17 and 26, the high BOD5 values were caused by intermittent high flows due to rainfall events. Although the flow exceeded 380 ML/day in accordance with the licence on June 18 the value from that day is included in the average result calculation. The BOD5 average result for June met the limit set in the licence.
4. On June 1, 2, 4, 6, 9, 18, and 27, the flow exceeded 380 ML/day in accordance with the licence therefore the values from those days were not included in the geometric mean calculation. We are pleased to report that during the month of June 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. There was no final effluent grab sample on June 30 due to scheduled maintenance activities.
2. On June 8, the TSS result was in excess of the 30 mg/L limit in the licence. The high TSS value was due to high flows and bypass events which contributed to the increased turbidity result. The TSS average result for June met the limit set in the licence.
3. The BOD5 results for June met the limit set in the licence.
4. There were no results for fecal coliform and E. coli on June 5 due to a sample leak. On June 3, 4, and 7, the plant flows were beyond bypass levels at the time of sampling and the values from those days were not included in the geometric mean calculation. On June 1, 2, 6, 9, and 19, the flow exceeded 98.6 ML/day in accordance with the licence therefore the values from those days were not included in the geometric mean calculation. We are pleased to report that during the month of June 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.

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.