



Water and Waste Department • Service des eaux et des déchets

July 29, 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: JUNE 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 June 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 June. The total phosphorus thirty-day rolling average met the limit set in the licence on the first four days in June.
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. There were no results for fecal coliform and E. coli on June 4 due to a contract lab error. There was no result for fecal coliform on June 7 due to a technician error. 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. On June 15, a 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 June met the limit set in the licence.
2. The BOD5 results were in excess of the 30 mg/L limit in the licence on 14 days in June. 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 June met the limit set in the licence.

3. There were no results for fecal coliform and E. coli on June 4 due to a contract lab error. On June 8, 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. On June 1, 13, and 22, the flow exceeded 380 ML/day at the time of sampling therefore the values from those days were not included in the geometric mean calculation. The fecal coliform and E. coli results met the limits set in the licence in June.

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

1. The TSS results were in excess of the 30 mg/L limit in the licence on 7 days in June. On June 8, 21, and 22 we were performing operational testing that may have contributed to the high values. The other high TSS values were due to intermittent high flows and bypass events and bulking issues in the secondary clarifiers which contributed to the increased turbidity results. The TSS average result for June met the limit set in the licence.
2. The BOD5 results were in excess of the 30 mg/L limit in the licence on 5 days in June. On June 8, 21, and 22 we were performing operational testing that may have contributed to the high values. The other high BOD5 values were due to intermittent high flows and bypass events and bulking issues in the secondary clarifiers. The BOD5 average result met the limit set in the licence in June.
3. There were no results for fecal coliform and E. coli on June 4 due to a contract lab error. On June 1, 8, and 22, the flow exceeded 98.6 ML/day at the time of sampling therefore the values from those days were not included in the geometric mean calculation. The fecal coliform and E. coli results met the limits set in the licence in June.

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.

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
W.J. Borlase, P.Eng.

B.D. MacBride, P.Eng.
M.A. Shkolny, P.Eng.