



Water and Waste Department • Service des eaux et des déchets

December 22, 2009

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

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

Dear Ms. Burland-Ross:

RE: NOVEMBER 2009 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 November 2009 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).

We have found an error in the South End Water Pollution Control Centre Report for October 2009. The pH result on October 11 was reported incorrectly. We have corrected this error and have attached the corrected report for your records.

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

1. We have been experiencing issues with our nitrogen and phosphorus analysis. We have corrected the problems and re-analyzed available samples. On November 4, 5, 22, 23, 29, and 30, there were no results for total nitrogen due to a laboratory error. On November 4, 5, and 29, there were no results for total phosphorus due to a laboratory error. Although the samples were re-analyzed when we had enough sample volume, the results were not representative. There were no results for ammonia and ortho-phosphorus on November 7 due to a laboratory error. The samples were discarded therefore the laboratory could not re-analyze them. 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 November. The total phosphorus thirty-day rolling average met the limit set in the licence in November.
2. The cBOD5 licence limit was met in November.
3. The TSS results met the limit set in the licence in November.
4. We are pleased to report that during the month of November the fecal coliform and E. coli results met the limits set in the licence.

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

1. On November 10, 25, and 27, there were no results for total nitrogen due to a laboratory error. On November 14, there was no result for total phosphorus due to a laboratory error. The samples were re-analyzed and the results were not representative.
2. On November 30, the BOD5 result was in excess of the 30 mg/L limit in the licence. The cause for the high value is unknown. The BOD5 average result for November met the limit set in the licence.
3. The TSS results for November met the limit set in the licence.
4. On November 6, 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 November 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. On November 6, 10, and 26, there were no results for total phosphorus due to a laboratory error. On November 10, 20, 23, 25 and 27, there were no results for total nitrogen due to a laboratory error. The samples were re-analyzed and the results were not representative. On November 21, there were no results for ortho-phosphorus due to a laboratory error. The sample was discarded before the sample could be re-analyzed.
2. On November 23, there was no sample for TSS, cBOD5 and BOD5 due to a sample preparation error.
3. The BOD5 results exceeded the licence limit on 8 days in the month of November. In November, we were performing annual secondary clarifier inspections and maintenance which contributed to the higher than normal values. The BOD5 average result for November did not meet the limit set in the licence.
4. The TSS results exceeded the licence limit on 5 days in the month of November. We were performing annual secondary clarifier inspections and maintenance which contributed to the higher than normal values. We are pleased to report that the TSS average result for November met the limit set in the licence.
5. On November 24, 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 November 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.

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