



Water and Waste Department • Service des eaux et des déchets

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November 30, 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: OCTOBER 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 October 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 September 2009. The total phosphorus result on September 29 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. On October 9, there was 24 hour composite sample and on October 10, there was no grab sample because the samples were destroyed due to a vehicle accident involving the vehicle transporting the samples.
2. On October 20 and 27, there were no results for total phosphorus due to a laboratory error. The samples were re-analysed and results could not be obtained. 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 October. The total phosphorus thirty-day rolling average met the limit set in the licence on October 30 and 31. As mentioned in previous submissions, we experienced operational issues and believe that these issues have been resolved.
3. The cBOD5 licence limit was met in October.
4. On October 1 and 2, the TSS values exceeded the limit set in the licence. This was due to seasonal growth of algae in the polishing cells. The TSS average result met the limit set in the licence in October.

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5. There were no results for fecal coliform on October 21 and 28, and E. coli on October 28 due a contract lab error. We are pleased to report that during the month of October 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 October 10, there was no grab sample because the sample was destroyed due to a vehicle accident involving the vehicle transporting the samples.
2. On October 16, there was no result for total phosphorus due to a laboratory error. The sample was re-analysed and a result could not be obtained. On October 16 and 19, there were no results for total nitrogen because the sample for TKN was not representative.
3. On October 1 and 29, the BOD5 results were in excess of the 30 mg/L limit in the licence. On October 1 and 29, the plant experienced intermittent high flows and bypass events which contributed to the high BOD5 values. The BOD5 average result for October met the limit set in the licence.
4. On October 2, there was no result for TSS due to a technician error. On October 29, the TSS result was in excess of the 30 mg/L limit in the licence. On October 29, the plant experienced intermittent high flows and bypass events which contributed to the high TSS values. The TSS average result for October met the limit set in the licence.
5. There were no results for fecal coliform on October 21 and 28, and E. coli on October 28 due a contract lab error. We are pleased to report that during the month of October 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 October 5, 6, 7, and 8 there were no 24 hour composite samples due to a sampler pump malfunction. On October 10, there was no grab sample because the samples were destroyed due to a vehicle accident involving the vehicle transporting the samples.
2. On October 9, there were no results for ammonia, ortho-phosphorus, total phosphorus and total nitrogen due to a laboratory error. On October 10 and 15, there were no results for total nitrogen due to a laboratory error. On October 30, there was no result for total phosphorus due to a laboratory error. The sample was re-analysed and a result could not be obtained.
3. On October 29, the plant experienced intermittent high flows and bypass events which may have contributed to the high result on that day. The BOD5 average result for October met the limit set in the licence.
4. We are pleased to report that the TSS results for October met the limit set in the licence.
5. There were no results for fecal coliform on October 21 and 28, and E. coli on October 28 due a contract lab error. We are pleased to report that during the month of October 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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