



Water and Waste Department • Service des eaux et des déchets

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January 31, 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: DECEMBER 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 December 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 December. The total phosphorus thirty-day rolling average met the limit set in the licence for the first 24 days of December. The total phosphorus results met the limit set in the licence coming out of the treatment plant but the levels occasionally increase through the polishing cells.
2. The TSS results met the limit set in the licence in December.
3. There were no cBOD5 results on December 4, 5, 6, 12, 13, 17 and 18 due to QC failures. The cBOD5 results met the limit set in the licence in December.
4. During December, the fecal coliform and E. coli limits were exceeded. The high coliform counts were due to wet weather flows experienced in November and secondary bypassing related to clarifier warranty work.

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

1. The TSS results for December met the limit set in the licence.
2. There were no cBOD5 and BOD5 results on December 4, 5, 6, 12, 13, 17 and 18 due to QC failures. The BOD5 results for December met the limit set in the licence.
3. We are pleased to report that during the month of December the fecal coliform and E. coli results met the limits set in the licence.

*Embrace the spirit • Vivez l'esprit*

Environmental Standards Division • Division des normes environnementales  
2230 Main Street • 2230, Rue Main • Winnipeg • Manitoba R2V 4T8  
tel/tél. (204) 986-4684 • fax/télec. (204) 339-2147 • www.winnipeg.ca

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

1. On December 15 and 16, there were no 24 composite effluent samples due to scheduled plant shutdowns to facilitate ongoing construction work being conducted for the outfall pipe twinning project.
2. On December 2, 8, 15 and 21 there were no grab samples due to scheduled plant shutdowns to facilitate ongoing construction work being conducted for the outfall pipe twinning project.
3. The TSS results for December met the limit set in the licence.
4. There were no cBOD5 and BOD5 results on December 4, 5, 6, 12, 13, 17 and 18 due to QC failures. The BOD5 results were in excess of the 30 mg/L limit in the licence on 4 days in December. 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 also be due to nitrification occurring. The BOD5 average result for December met the limit set in the licence.
5. We are pleased to report that during the month of December 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 below 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: Randy Webber, Regional Supervisor, Manitoba Conservation  
B.D. MacBride, P.Eng.  
W.J. Borlase, P.Eng.  
M.A. Shkolny, P.Eng.