



Water and Waste Department • Service des eaux et des déchets

June 24, 2008

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

Mr. Mike Van Den Bosch, P.Eng.
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160 – 123 Main Street
Winnipeg, Manitoba
R3C 1A5

Dear Mr. Van Den Bosch:

**RE: MAY 2008 MONITORING REPORTS FOR THE WEST END WATER
POLLUTION CONTROL CENTRE LICENCE NO. 2669 E R, THE NORTH END
WATER POLLUTION CONTROL CENTRE LICENCE NO. 2684 R R AND THE
SOUTH END WATER POLLUTION CONTROL CENTRE LICENCE NO. 2716**

Attached please find the May 2008 Monitoring Reports for Licence No. 2669 E R issued for the City of Winnipeg West End Water Pollution Control Centre (WEWPCC), Licence No. 2684 R R issued for the City of Winnipeg North End Water Pollution Control Centre (NEWPCC) and Licence No. 2716 issued for the City of Winnipeg South End Water Pollution Control Centre (SEWPCC).

As mentioned in previous submissions, we have identified the problems we had been experiencing with our nitrogen and phosphorus analysis. We have corrected the problems as of March 10, and re-analyzed past available samples. Samples were available for analysis for the months of February and March 2008. On March 10, on the South End and West End Plant reports there were no results for nitrogen and phosphorus because we did not have enough sample to reanalyze. The reports for February and March have been revised and the re-issued reports are attached. You will note that the monthly averages for March did not significantly change due to the fact that the problem was corrected earlier in the month. Please note that while we were investigating the analytical problems with the total nitrogen and phosphorus results, we experienced lower than normal results. The reports issued in the months of November 2007 to January 2008, may have lower than normal results for total nitrogen and phosphorus.

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

1. From May 1 to May 19, the TSS values exceeded the limit set in the licence. This is due to algae growth in the polishing cells. The average TSS results for May did not meet the limit.
2. On May 18, there was no result for cBOD5 due to a quality control failure. The average cBOD5 met the limit.
3. On May 15, the fecal coliform sample was not analyzed due to a sample preparation error. We are pleased to report that during the month of May, the fecal coliform and E. coli limits met the limits set in the licence.

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

1. On May 12, there was no final effluent 24 hour composite sample. The sample volume was less than 2 litres, therefore, it was not a representative sample and was discarded.

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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

2. The TSS values for May met the limit set in the licence.
3. On May 18, there was no result for BOD5 or cBOD5 due to a quality control failure. The BOD5 results were in excess of the 30 mg/L limit in the licence for 15 days in May. The average value for the month did not meet the limit. 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 are due to nitrification occurring.
4. During May, we are pleased to report that the fecal coliform and E. coli limits met the limit set in the licence. Staff from our Engineering and Wastewater Services division are still investigating the on-going process issues with the UV disinfection facility. They have installed additional stop logs and programmed the valves to open at a faster rate. This has created a delay between the valves and stop logs which has minimized bypassing. We are still investigating other issues that could be contributing to some high coliform counts. We hope to have these issues resolved in the near future. On May 12, the coliform results were not included in the calculation because at the time of sampling plant flows were beyond bypass levels.

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

1. On May 12, there was no final effluent 24 hour composite sample due to a sample preparation error.
2. The TSS results met the licence limit in May.
3. On May 18, there was no BOD5 result due to a quality control failure. On May 25, the BOD5 result was in excess of the 30 mg/L limit in the licence. The average BOD5 for May met the limit.
4. During May, the fecal coliform and E. coli limits met the limit set in the licence. On May 13, the coliform results were not included in the calculation because at the time of sampling plant flows were beyond bypass levels of the plant.

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/pr
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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