



Water and Waste Department • Service des eaux et des déchets

June 21, 2007

Our Files: 040-17-08-29-00
040-17-08-15-00
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 2007 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 2007 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).

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

1. On May 24, the cBOD5 result was not reported due to laboratory error.
2. On May 29, there was no result for temperature because it was not analyzed.
3. On May 1 to 4, the TSS limit of 45 mg/L was exceeded. It is thought that this may have been due to the flow changes in the lagoon system during April and May during system investigations. The TSS limit was also exceeded on May 23, 24, 25, 28, 29 and 30. This may be due to algae growth in the polishing cells.
4. The May summary of activated sludge plant effluent quality and groundwater dewatering flows is also attached.
5. Effluent discharge flows for May 1 to 7 were calculated per the note at the bottom of the activated sludge plant report.

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

1. On May 1, there was no result for temperature because it was not analyzed.
2. On May 3, there was no composite sample collected. This was likely due to UV system maintenance affecting the sampler.

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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

3. On May 14, the BOD5 result was not reported due to laboratory error.
4. The BOD5 results were in excess of the 30 mg/L limit in the licence for 22 days in May. 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. It is also noted that plant flows were beyond bypass levels for May 22 and 23.
5. The TSS results met the 30 mg/L limit set in the licence except for May 4 and 21 (the high value on May 22 was during a bypass event).
6. We are pleased to report that the limits on geometric mean for fecal coliform and E. coli were met in May. The high results on May 4 were likely a result of UV lamp replacement at that time. As mentioned in earlier monitoring report submissions, we are continuing to investigate some issues that have arisen with the UV disinfection facility including possible short circuiting of the facility.

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

1. On May 11 and 25, there were no results for pH because it was not analyzed for the former and a sample container broke for the latter.
2. We are pleased to report that the limits for TSS and BOD5 were met in May (the high BOD5 value on May 22 was during a bypass event).
3. We are pleased to report that the limits on geometric mean for fecal coliform and E. coli were met in May. It appears that the maintenance worked reported in the April submission was successful.

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:kk: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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