



Water and Waste Department • Service des eaux et des déchets

May 21, 2008

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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: APRIL 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 April 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).

It was brought to our attention that there was an error in the West End Water Pollution Control Centre Activated Sludge Plant Report for August 2007. The daily flows did not reflect the actual flows for the month of August. 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 R:

1. From April 25 to April 30 the TSS values exceeded the limit set in the licence. This may be due to algae growth in the polishing cells. The average TSS results met the limit set in the licence in April.
2. On April 27, there was no result for cBOD5 due to a quality control failure. The cBOD5 limit was met in April.
3. On April 1, there were no results for fecal coliform due to a contract lab error. We are pleased to report that during the month of April, the fecal coliform and E. coli limits met the limit set in the licence.

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

1. The high TSS values on April 2, 3, and 24, were due to high flows and bypass events. The average TSS values for April met the limit set in the licence.
2. On April 27, 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 17 days in April. The average value for the month did not meet the limit. As indicated in earlier monitoring submissions, the

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cBOD5 and TOC results have been consistently low, and through testing we have shown that these high results are due to nitrification occurring.

3. During April, the fecal coliform and E. coli limits were exceeded. During the month of April the plant flows were intermittently beyond bypass levels due to runoff conditions which may have contributed to the high coliform values. We do not have reasons for the high coliform values on some days. We are continuing to investigate ongoing process issues with the UV disinfection facility. We hope to have these issues resolved in the near future.

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

1. The TSS results exceeded the limit of 30 mg/L set in the licence for 4 days in April. Snow melt conditions at the beginning of the month resulted in increased turbidities which may have contributed to the high TSS values. The plant was also experiencing mechanical problems which may have contributed to the high values. The average for TSS was met during April.
2. The BOD5 results were in excess of the 30 mg/L limit in the licence for 7 days in April. As noted above, the plant experienced mechanical problems which resulted in high values during those days. The average BOD5 limit of 30 mg/L was met during April.
3. On April 22, there was no final effluent grab sample because the UV building was shut down for repairs and there was no flow into the building. On April 24, there was no final effluent grab sample because the UV building experienced a power failure and there was no flow into the building.
4. During April, the fecal coliform and E. coli limits were exceeded. At the beginning of the month, snow melt conditions resulted in increased turbidities which may have contributed to the high coliform values. We experienced high instantaneous flows caused by snow melt conditions that resulted in intermittent bypass of the plant. As noted above, the plant experienced mechanical problems which resulted in high TSS and BOD5 values that may have contributed to the high coliform counts.

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.