



Water and Waste Department • Service des eaux et des déchets

May 30, 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: APRIL 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 April 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 April 1 to 3, the bacti results were reported as "greater than" because of a problem with the contract laboratory. The problem has been resolved.
2. On April 20, the cBOD5 result was not reported due to a quality control failure in the laboratory.
3. On April 27 to 30, 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.
4. On April 20 to 26, there were no final effluent samples taken because there was no effluent discharged from the lagoons. Stop logs were in place to allow studies to take place.
5. In determining the geometric mean for fecal coliform and E.coli in March, the four >1600 MPN/100 mL results were assumed to be 1600.
6. The April summary of activated sludge plant effluent quality and groundwater dewatering flows is also attached. You will note that the quality of the effluent from the Activated Sludge Plant has greatly improved.

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

1. On April 20, the BOD5 and cBOD5 results were not reported due to a quality control failure in the laboratory.

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

2. The BOD5 results were in excess of the 30 mg/L limit in the licence for April 8, 9, 10, 12, 16, 21, 23, 26, 27, 28, 29 and 30. 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 the first two days of the month due to runoff conditions.
3. The TSS results met the 30 mg/L limit set in the licence (the high value on April 1 was during a bypass event).
4. On April 5 there was no fecal coliform result, on April 18 there were no bacti results and on April 1 the bacti results were reported as "greater than" because of problems with the contract laboratory. The problems have been resolved.
5. The limit on geometric mean for fecal coliform and E. coli was exceeded in April. As mentioned in earlier monitoring report submissions, we are continuing to investigate some issues that have arisen with the UV disinfection facility including foaming and possible short circuiting of the facility.

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

1. On April 20, the BOD5 and cBOD5 results were not reported due to a quality control failure in the laboratory.
2. On April 5, 8 and 26 there were no fecal coliform results and on April 1 and 3 the bacti results were reported as "greater than" because of problems with the contract laboratory. The problems have been resolved.
3. On April 16, 18 and 24 to 30, the daily temperature readings were lost. The temperatures reported are from the on-line monitoring sensor in the effluent channel.
4. The limit on geometric mean for fecal coliform and E. coli was exceeded in April. Staff has investigated this issue and has found that although the UV bulbs are still functioning, their light output has declined with age, requiring replacement. Replacement bulbs have been ordered and should be installed over the next couple of weeks. This maintenance procedure should allow for better disinfection performance.

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.

N:\Clerks\patsy's computer\OFFICE\word\kjt\Bosch16-ltr.doc