



Water and Waste Department • Service des eaux et des déchets

April 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: MARCH 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 March 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 March 31, the bacti results were reported as "greater than" because of a problem with the contract laboratory.
2. The geometric mean limit on fecal coliform and E.coli was exceeded in March. We believe that this may be due to poor performance of the activated sludge plant and short circuiting of flow through the lagoon system. It is being investigated.
3. The March summary of activated sludge plant effluent quality and groundwater dewatering flows is also attached.

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

1. Between March 14 and 21, there were no final effluent samples due to mechanical problems with the recirculation pump in the final effluent channel. It is believed that the immediate problem has been corrected but we are still planning to replace the pump. Nutrient data for March 17, 18 and 21 are from the secondary effluent sampler.
2. The BOD5 results were in excess of the 30 mg/L limit in the license for all the days that samples were collected in March except three days. 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 latter few days of the month due to runoff conditions.

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3. The TSS results were in excess of the 30 mg/L limit for two days for the days that samples were collected in March not including days with bypass flows (bolded on the report).
4. On March 29 there were no bacti results and on March 30 the bacti results were reported as "greater than" because of problems with the contract laboratory.
5. The limit on geometric mean for fecal coliform and E. coli was exceeded in March. The flow control gate on one channel failed from March 14 to 16. 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 March 9, there was no cBOD5 result due to laboratory error.
2. Clarifier #3 was returned to service on March 2. TSS results were all good except for March 29 which is classed as a "bypass day". BOD5 results were good except for March 25 which was a "bypass day" and March 9 which appears to be an unexplained abstract.
3. On March 29 and 30, the bacti results were reported as "greater than" because of a problem with the contract laboratory.
4. The limit on geometric mean for fecal coliform and E. coli was exceeded in March. We are not aware of any mechanical or other problems that happened during this period to explain the high results.

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.
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