



Water and Waste Department • Service des eaux et des déchets

February 28, 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: JANUARY 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 January 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 January 29, there was no final effluent sample due to sample loss from a leaking sample container during transport.

In accordance with our meeting of February 6, 2007 and your letter dated February 14, as discussed below, we have enclosed monitoring records for January 2007 for the WEWPCC Activated Sludge Plant effluent and daily flows for groundwater that has been directed from the dewatering system to the WEWPCC lagoon cells. As discussed, we will continue to monitor at the lagoon discharge for compliance purposes. The additional information will be submitted for the period of time over which dewatering is carried out. Please let me know if you require any further information in this regard.

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

1. On January 12, there was no final effluent sample due to sample loss from a leaking sample container during transport.
2. On January 27 to 30, there was no final effluent sample due to mechanical problems with the recirculation pump in the final effluent channel. The problem began after the sample line was replaced.
3. The BOD5 results were in excess of the 30 mg/L limit in the license for all the days that samples were collected in January except one day. As indicated in the last monitoring submission, since the cBOD5 and TOC results have been consistently low, it is thought that these high results may be due to nitrification occurring. We thought that the problem was due to the new final effluent sampling system that was installed with the UV disinfection system.

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The sample line was replaced at the end of January but that action did not seem to correct the problem. We are following up further to try to determine the source of the problem.

4. The limit on geometric mean for fecal coliform and E. coli was exceeded in January. The facility performed reasonably well except during the period of January 15 to 19 when there were problems with the control gate in the central channel. This left about 1/3 of the flow undisinfecting during this period. 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 January 5, there was no final effluent sample due to mechanical problems with the sampler.
2. BOD5 results were all within the 30 mg/L limit of the licence except for January 5.
3. The limit on geometric mean for fecal coliform and E. coli was just exceeded in January. Results were relatively high on four days during the month, otherwise the system performed reasonably well. We are not aware of any problems that were encountered at the facility during this period.

This will acknowledge receipt of your letter dated February 14, 2007 respecting the meeting held on February 6 regarding the licensing issues concerning monitoring at the WPCCs. In accordance with your letter, we will continue to report grab sample bacti results taken during short term bypass events at the WPCCs but will no longer include the values in determining the geometric mean for compliance purposes. We will include the instantaneous flow at the time that the sample was collected on the monitoring report. We will also continue to take grab samples for bacteriological analysis on a daily basis and report same on the monthly submissions. If we hold effluent in the lagoons at WEWPCC, we will not report any values for days in which discharge does not go to the river. We have also arranged a meeting at WEWPCC with you to review proposed monitoring stations and our WEWPCC BNR consultant has sent you a letter respecting the dewatering discharge proposing that we continue monitoring effluent at the same location as we have been using to date.

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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