



Water and Waste Department • Service des eaux et des déchets

May 29, 2009

Our Files: 040-17-08-29-00
040-17-08-15-00
040-17-08-35-00

Mr. Rafiqul Chowdhury
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160 – 123 Main Street
Winnipeg, Manitoba
R3C 1A5

Dear Mr. Chowdhury:

RE: APRIL 2009 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 2009 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. We are pleased to report that the total nitrogen, phosphorus and ammonia results have met the limits set in the licence.
2. On April 6 and 17, there were no results for cBOD5 due to a quality control failure. The cBOD5 licence limit was met in April.
3. The TSS values exceeded the limit set in the licence on 5 days in the month of April. This is due to seasonal growth of algae in the polishing cells. The TSS average result met the limit set in the licence in April.
4. There were no fecal coliform and E.coli results for April 12 due to a contract lab error. We are pleased to report that during the month of April the fecal coliform and E. coli results met the limits set in the licence.

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

1. On April 18, there was no grab sample because the sample was not representative due to sample overflow.
2. There was no result for total nitrogen on April 25 due to sample contamination.
3. On April 6 and 17, there were no results for BOD5 and cBOD5 due to a quality control failure. On April 9 there was no result for cBOD5 due to a laboratory error. During April, the BOD5 results were in excess of the 30 mg/L limit in the licence for 15 days. Of those 15 days, the flow exceeded 380 ML/day in accordance with the licence for 8 days from April 8 to April 15. As

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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. The BOD5 average result for April did not meet the limit set in the licence.

4. The TSS values exceeded the limit set in the licence everyday but 4 days in the month of April. The flow exceeded 380 ML/day in accordance with the licence on 8 of those days which contributed to the high TSS values. In addition to those days the plant experienced intermittent high flows and bypass events over the course of the month which may have also contributed to the high TSS values. The TSS average result for April did not meet the limit set in the licence.
5. We are pleased to report that during the month of April the fecal coliform and E. coli limits met the limits set in the licence. There were no fecal coliform and E.coli results for April 12 due to a contract lab error. On April 8 to 15, the flow exceeded 380 ML/day in accordance with the licence therefore the values from those days were not included in the geometric mean calculation. On April 16 and 17, the plant flows were beyond bypass levels at the time of sampling and the values from those days were not included in the geometric mean calculation.

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

1. On April 9, 10 and 12 there were no final effluent 24 hour composite samples due to sample overflow. On April 11 and 13 there were no final effluent 24 hour composite samples due to a sampler malfunction.
2. On April 6 and 17, there were no results for BOD5 and cBOD5 due a quality control failure. The high BOD5 values on April 8 and 21 were due to intermittent high flows and bypass events. The BOD5 average result for April met the limit set in the licence.
3. On April 8 and 21 the TSS value exceeded the limit set in the licence. The high TSS values were due to intermittent high flows and bypass event. The TSS average result for April met the limit set in the licence.
4. There were no fecal coliform and E.coli results for April 12 due to a contract lab error. In the month of April the Red River levels at the outfall exceeded the elevation of 229.0 meters except on April 3. Although the UV disinfection system was operational, as per clause 27 of the licence, the fecal coliform and E.coli values were not included in the geometric mean calculation on those days because the river elevation was above 229.0 meters.

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
Attachments

c: Cliff Lee, P.Eng., Assistant Director of Red River Region
W.J. Borlase, P.Eng.

B.D. MacBride, P.Eng.
M.A. Shkolny, P.Eng.