



Water and Waste Department • Service des eaux et des déchets

June 29, 2009

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

Siobhan Burland-Ross
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160 – 123 Main Street
Winnipeg, Manitoba
R3C 1A5

Dear Ms. Burland-Ross:

RE: MAY 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 May 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 and ammonia results have met the limits set in the licence. The total phosphorus licence limit was not met this month. We have been experiencing operational problems with our Bioreactors which has contributed to the high phosphorus results. Staff from our Engineering and Wastewater Services division are investigating and we hope to have these issues resolved in the near future.
2. The cBOD5 licence limit was met in May.
3. The TSS values exceeded the limit set in the licence on 21 days in the month of May. This is due to seasonal growth of algae in the polishing cells. The TSS average result did not meet the limit set in the licence in May.
4. We are pleased to report that during the month of May 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 May 13, there was no 24 hour composite sample because the door to the sampling building could not be opened.
2. During May, the BOD5 results were in excess of the 30 mg/L limit in the licence for 21 days. Of those 21 days, the flow exceeded 380 ML/day in accordance with the licence for 4 days on May 13, 14, 15 and 25. 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

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to nitrification occurring. The BOD5 average result for May did not meet the limit set in the licence.

3. The TSS values exceeded the limit set in the licence for 9 days in the month of May. The flow exceeded 380 ML/day in accordance with the licence on 3 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 May met the limit set in the licence.
4. We are pleased to report that during the month of May the fecal coliform and E. coli limits met the limits set in the licence. On May 13, 14, 15 and 25, 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.

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

1. There were no results for total nitrogen on May 6, 11, 28, and 31 due to a laboratory error in the analysis of TKN.
2. On May 13, the flow exceeded 98.6 ML/day in accordance with the licence which contributed to the high BOD5 value. A primary clarifier was taken out of service for repairs from May 19 to June 2 which may have contributed to the high values on May 24 and 25. The BOD5 average result for May met the limit set in the licence.
3. On May 13, the flow exceeded 98.6 ML/day in accordance with the licence which contributed to the high TSS value. As mentioned above, a primary clarifier was taken out of service for repairs from May 19 to June 2 which may have contributed to the high values on May 24 and 25. The TSS average result for May met the limit set in the licence.
4. In the month of May the Red River levels at the outfall exceeded the elevation of 229.0 meters from May 1 to May 6. 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. On May 13 to May 15, the flow exceeded 98.6 ML/day in accordance with the licence therefore the values from those days were not included in the geometric mean calculation. On May 25 and 26, 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. We are pleased to report that during the month of May the fecal coliform and E. coli results met the limits set in the licence.

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.

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