



Water and Waste Department • Service des eaux et des déchets

August 31, 2009

Our Files: 040-17-08-29-00
040-17-08-15-00
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: JULY 2009 MONITORING REPORTS FOR THE WEST END WATER
POLLUTION CONTROL CENTRE LICENCE NO. 2669 E RR, THE NORTH END
WATER POLLUTION CONTROL CENTRE LICENCE NO. 2684 RRR AND THE
SOUTH END WATER POLLUTION CONTROL CENTRE LICENCE NO. 2716 R**

Attached please find the July 2009 Monitoring Reports for the revised Licence No. 2669 E RR issued for the City of Winnipeg West End Water Pollution Control Centre (WEWPCC), revised Licence No. 2684 RRR issued for the City of Winnipeg North End Water Pollution Control Centre (NEWPCC) and revised Licence No. 2716 R issued for the City of Winnipeg South End Water Pollution Control Centre (SEWPCC) on June 16, 2009.

Please note that errors were noticed in the South End Water Pollution Control Centre reports for July and August 2008. The maximum or minimum flows were entered instead of the daily average flow therefore the ammonia loads were calculated incorrectly. On July 6, 2008, the fecal coliform and E. Coli results were not included in the geometric mean calculation due to the incorrect high flow but should have been included in the calculation. The changes have been made and the revised reports are attached for your records. We will update the archive information on our website.

Please note the following respecting the report for Licence #2669 E RR:

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. As mentioned in previous submissions, one of our Bioreactors is still out of service for maintenance and we are experiencing operational issues which have contributed to the high phosphorus results. We hope to have these issues resolved in the near future.
2. There was no result for cBOD5 on July 4 due to a laboratory error. The cBOD5 licence limit was met in July.
3. On July 16, the TSS value exceeded the limit set in the licence. This is due to seasonal growth of algae in the polishing cells. The TSS average result met the limit set in the licence in July.
4. We are pleased to report that during the month of July the fecal coliform and E. coli results met the limits set in the licence.

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

1. There were no results for total nitrogen on July 12 and 13 because the samples for TKN were not representative.
2. There were no results for BOD5 and cBOD5 on July 19 due to a lab error. During July, the BOD5 results were in excess of the 30 mg/L limit in the licence for 8 days. The flow exceeded 380 ML/day in accordance with the licence on July 9 and 31 which may have contributed to those high results. 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. The BOD5 average result for July met the limit set in the licence.
3. The TSS values exceeded the limit set in the licence on July 9 and 14. The flow exceeded 380 ML/day in accordance with the licence on July 9 which contributed to the high TSS value. On July 14, the plant experienced intermittent high flows and bypass events over the course of the day which may have contributed to the high TSS value. The TSS average result for July met the limit set in the licence.
4. On July 9, 15 and 31, 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. During the month of July, the E. coli results met the limit set in the licence. The fecal coliform value did not meet the licence limit this month.

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

1. There was no result for total phosphorus on July 3. The sample was re-analysed and a result could not be obtained. There was no result for total nitrogen on July 13 because the sample for TKN was not representative.
2. There was no result for cBOD5 on July 30 due to a lab error. During July, the BOD5 results were in excess of the 30 mg/L limit in the licence for 13 days. On July 9 and 31, the flow exceeded 98.6 ML/day in accordance with the licence which contributed to the high BOD5 value. 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. The BOD5 average result for July did not meet the limit set in the licence.
3. The TSS values exceeded the licence limit on 5 days in the month of July. This month the plant experienced intermittent high flows and bypass events due to rainfall events which may have contributed to the high results. The TSS average result for July met the limit set in the licence.
4. On July 9, 10, 15, and 31, 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 July 20, the plant flows were beyond bypass levels at the time of sampling and the values from that day were not included in the geometric mean calculation. We are pleased to report that during the month of July the fecal coliform and E. coli results met the limits set in the licence.

As you know, the City has requested that the Province change the present "daily not to exceed" BOD5 and TSS limits in the licences to monthly or running 30 day average limits. This request is under consideration by Manitoba Conservation.

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.

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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
B.D. MacBride, P.Eng.
W.J. Borlase, P.Eng.
M.A. Shkolny, P.Eng.

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