



Water and Waste Department • Service des eaux et des déchets

November 30, 2011

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

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

Dear Ms. Burland-Ross:

RE: OCTOBER 2011 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 October 2011 Monitoring Reports for Licence No. 2669 E RR issued for the City of Winnipeg West End Water Pollution Control Centre (WEWPCC), Licence No. 2684 RRR issued for the City of Winnipeg North End Water Pollution Control Centre (NEWPCC) and Licence No. 2716 R issued for the City of Winnipeg South End Water Pollution Control Centre (SEWPCC). This information is provided under compulsion of law and in accordance with licence requirements.

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

1. We are pleased to report that the ammonia results have met the limit set in the licence. The total nitrogen thirty-day rolling average met the limit set in the licence in October. The total phosphorus thirty-day rolling average met the limit set in the licence for the first 10 days in October. The total phosphorus results met the limit set in the licence coming out of the treatment plant but the levels increase through the polishing cells.
2. On October 7 and 28, the TSS results were in excess of the 30 mg/L limit in the licence. The cause for the high values is unknown. The TSS average result met the limit set in the licence in October.
3. There were no results for cBOD5 on October 13 and 21 due to quality control failures. The cBOD5 results met the limit set in the licence October.
4. We are pleased to report that during the month of October the fecal coliform and E. coli results met the limits set in the licence.

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

1. On October 31, there was no 24 hour final effluent sample due to maintenance activities.
2. On October 12, the TSS result was in excess of the 30 mg/L limit in the licence. The high TSS value was due to intermittent high flows and bypass events which contributed to the increased turbidity result. The TSS average result for October met the limit set in the licence.

3. There were no results for BOD5 and cBOD5 on October 13 and 21 due to quality control failures. The BOD5 results were in excess of the 30 mg/L limit in the licence on 25 days in October. The high BOD5 values on some days were due to intermittent high flows and bypass events. 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 may be due to nitrification occurring. The BOD5 average result for October did not meet the limit set in the licence.
4. During the month of October, the geometric mean for the fecal coliform and E. coli results did not meet the limits set in the licence. As mentioned in the previous submission, we suspect a possible sampling issue may have caused the high results. As of October 31, the sampling issue has been resolved.

As indicated in a letter sent on November 1, 2011 to Ms. Tracey Braun from Mr. William J. Borlase, a process malfunction occurred at SEWPCC on or about October 7, 2011. Additional information respecting this matter has been provided to Manitoba Conservation in accordance with the e-mail from Don Labossiere dated November 9, 2011.

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

1. On October 11 and 12, there were no grab samples collected due to a plant shut down at the time of sampling to facilitate scheduled electrical work.
2. The TSS results were in excess of the 30 mg/L limit in the licence on 26 days in October. The TSS average result for October did not meet the limit set in the licence.
3. There were no results for BOD5 and cBOD5 on October 13 and 21 due to quality control failures. The BOD5 results were in excess of the 30 mg/L limit in the licence on 25 days in October. The BOD5 average result did not meet the limit set in the licence in October.
4. During the month of October, the geometric mean for the fecal coliform and E. coli results did not meet the limits set in the licence.

Please let me know of any concerns or questions respecting this submission. I may be reached at the below 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: Mark Stephens, Manitoba Conservation
D. Sacher, P. Eng.
M.A. Shkolny, P.Eng.
W. Watters, P.Eng.
M. Jack