



Water and Waste Department • Service des eaux et des déchets

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July 30, 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: JUNE 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 June 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. There were no results for total nitrogen and total phosphorus on June 28 due to a contaminated sample. 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. One of our Bioreactors is out of service for maintenance which has contributed to the high phosphorus results. We hope to have this issue resolved in the near future.
2. There was no result for cBOD5 on June 7 due to a quality control failure. The cBOD5 licence limit was met in June.
3. There was no result for TSS on June 18 due to a technician error. On June 23 and 28, the TSS values 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 June.
4. We are pleased to report that during the month of June 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 June 11, there was no 24 hour composite sample because the sample volume was not representative.

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2. There were no results for total nitrogen on June 16 due to a laboratory error in the analysis of TKN.
3. There were no results for BOD5 and cBOD5 on June 7 due to a quality control failure. During June, the BOD5 results were in excess of the 30 mg/L limit in the licence for 6 days. The flow exceeded 380 ML/day in accordance with the licence on June 27. 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 June met the limit set in the licence.
4. The TSS values exceeded the limit set in the licence for 4 days in the month of June. The flow exceeded 380 ML/day in accordance with the licence on June 27 which contributed to the high TSS value. 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 June met the limit set in the licence.
5. There were no results for fecal coliform and E.coli on June 6 due to contract lab error. We are pleased to report that during the month of June the fecal coliform and E. coli limits met the limits set in the licence. On June 27 and 28, 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 June 11 and 21 due to a laboratory error in the analysis of TKN. There were no results for total phosphorus on June 21 due to a laboratory analysis error. On June 26, there were no results for ammonia, ortho phosphorus and total nitrogen due to a technician error.
2. There were no results for BOD5 and cBOD5 on June 7 due to a quality control failure. On June 1, 26 and 27 the BOD5 values exceeded the licence limit. A primary clarifier was out of service until June 2 which may have contributed to the high BOD5 value on June 1. On June 26, the plant experienced intermittent high flows and bypass events. On June 27, the flow exceeded 98.6 ML/day in accordance with the licence which contributed to the high BOD5 value. The BOD5 average result for June met the limit set in the licence.
3. On June 26, the TSS value exceeded the licence limit due to intermittent high flows and bypass events. The TSS average result for June met the limit set in the licence.
4. On June 27 and 28, 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 June 9 and 30, 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 June 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](mailto: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  
B.D. MacBride, P.Eng.  
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M.A. Shkolny, P.Eng.

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