



Water and Waste Department • Service des eaux et des déchets

February 25, 2010

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

Ryan Coulter
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160 – 123 Main Street
Winnipeg, Manitoba
R3C 1A5

Dear Mr. Coulter:

RE: JANUARY 2010 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 January 2010 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).

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 January. The total phosphorus thirty-day rolling average met the limit set in the licence in January.
2. There was no result for temperature on January 6 due to a technician error.
3. There were no 24 hour composite samples on January 23 and 24 due to a sampler malfunction.
4. There was no cBOD5 result on January 21 due to insufficient sample volume. The cBOD5 licence limit was met in January.
5. The TSS results met the limit set in the licence in January.
6. We are pleased to report that during the month of January 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. There was no grab sample on January 30 because the sampling location could not be accessed.
2. There were no results for temperature on January 6 and 28 due to a technician error.

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Environmental Standards Division • Division des normes environnementales
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3. The BOD5 result was in excess of the 30 mg/L limit in the licence on 2 days in January. The cause for these high values is unknown. 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 January met the limit set in the licence.
4. The TSS results for January met the limit set in the licence.
5. During the month of January, the geometric mean for the E. coli results met the limit set in the licence. The fecal coliform value did not meet the licence limit this month. The plant has been experiencing some operational issues and we hope to have them resolved in the near future.

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

1. There was no result for ortho-phosphorus on January 28 due a possible sample contamination.
2. There was no grab sample on January 6 due to a laboratory error.
3. There was no result for temperature January 28 due to a technician error.
4. The BOD5 results for January met the limit set in the licence.
5. The TSS results for January met the limit set in the licence.
6. We are pleased to report that during the month of January the fecal coliform and E. coli results met the limits set in the licence.

As mentioned in previous submissions, 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.

The city has also requested that the Province eliminate the BOD5 test. This test is not a valid test procedure for final effluent and should not be used for compliance assessment purposes. It is important to recognize that under certain conditions, the City of Winnipeg's wastewater treatment plants experience nitrifying activity. Under such conditions the BOD5 will continue to exceed the limits from time to time. The city has requested that the BOD5 test be replaced with the carbonaceous BOD5 test.

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