



Water and Waste Department • Service des eaux et des déchets

October 27, 2006

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040-17-08-35-00

Mr. Mike Van Den Bosch, P.Eng.
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160 – 123 Main Street
Winnipeg, Manitoba
R3C 1A5

Dear Mr. Van Den Bosch:

RE: SEPTEMBER 2006 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 September 2006 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. On September 4, there was no result for cBOD5 due to a laboratory quality control failure.
2. For most days in September, the TSS results were in excess of the limit in the license. The turbidity and chlorophyll a results also continue to be high. These high results are due to algae growth in the polishing ponds and will decrease when the bloom subsides.

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

1. On September 13, there were no samples due to a plant shutdown.
2. On September 3, there were no results for total phosphorus and total nitrogen due to laboratory error.

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Environmental Standards Division • Division des normes environnementales
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3. On September 4, there were no results for BOD5 and cBOD5 due to a laboratory quality control failure.
4. The TSS results were good for the month of September.
5. The BOD5 results were in excess of the limit in the license for 20 days in September. As indicated in the last monitoring submission, since the cBOD5 results have been consistently low, it is thought that these high results may be due to nitrification occurring in the plant.
6. The limits on geometric mean for fecal coliforms and E. coli were exceeded in September. A high flow on September 17 caused that daily bacti result to be excluded from the calculation of the mean. As has been noted in previous submissions, some grab samples are taken during short term high flow periods when some bypassing of the disinfection facility may be occurring. The treatment of these results is still open for discussion. There have also been ongoing foaming problems with the disinfection facility since the commencement of commissioning. The foam has been interfering with the disinfection process. A foam suppression system is to be installed which will hopefully mitigate this problem. Additional investigation respecting the system is ongoing.

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

1. On September 4, there were no results for BOD5 and cBOD5 due to a laboratory quality control failure.
2. There were no composite samples taken on September 12 or 24. The sampler line was being repaired for the former day and a power failure occurred on the latter day requiring resetting and priming of the sampler.
3. There were no grab samples taken on September 13, 14 and 15 due to a pre-planned shutdown for grit removal. On each day, the plant flow was interrupted for a period to allow the maintenance work to proceed. The composite samples for those days were taken during the flow periods only.
4. On September 21 and 22, the BOD5 results were in excess of the limit in the license. These exceedances do not seem to be related to excessive flows. Since the cBOD5 results have been consistently low, it is thought that these high results may be due to nitrification occurring in the plant.
5. The limit on geometric mean for fecal coliforms was exceeded in September. We are not aware of any problems, mechanical or otherwise, that occurred during this time that would have caused the high values shown in the monitoring report.

As requested in earlier monitoring report submittal letters, I would like to discuss the taking of the grab samples for bacteriological analysis during "bypass" flow conditions with you. We should also discuss the interpretation of the SEWPCC and NEWPCC licences with respect to compliance reporting of resulting data from samples taken at that time.

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:kk:pr
Attachments

c: Cliff Lee, P.Eng., Assistant Director of Red River Region
B.D. MacBride, P.Eng.
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