



Water and Waste Department • Service des eaux et des déchets

September 29, 2006

Our Files: 040-17-08-29-00
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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: AUGUST 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 August 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 August 4, there was no composite sample due to sampler problems.
2. On August 3, 5, 6, 7, 11, 12, 13, 14, 15, 17, 20, 22, 23, 24, 25, 26, 28, 30 and 31, the TSS results were in excess of the limit in the license. The turbidity and chlorophyll a results were also higher than in previous months. These high results are due to algae growth in the polishing ponds and will decrease when the bloom subsides.

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

1. On August 8, there was no composite sample due to an air lock in the sampler recirculation line.
2. On August 25 and 28, there were no results for total phosphorus due to laboratory error.
3. On August 2, 4, 9, 11, 12, 18, 25 and 26, the TSS results were in excess of the limit in the license. On August 4, 10, 25 and 26, raw wastewater flows exceeded 380 ML/d for a part of the day even though the average daily flow values are recorded as less than 380 ML/d (the averages are higher than normal for these days). During these periods of high flow, some bypassing did occur and TSS values were found to be higher than normal. We do not know why the levels were high on the other days.
4. On August 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30 and 31, the BOD5 results were in excess of the limit in the license. 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 limits on geometric mean for fecal coliforms and E. coli were exceeded in August. As was noted under Item #3, high flows resulted in bypasses that may have influenced the results for August 4, 10, 25 and 26. There was also a blown fuse on August 31 at the UV facility that affected the operation of the facility. We are not aware of any other problems that occurred, mechanical or otherwise, that would have caused the high values shown in the monitoring report.

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

1. The iron problem with the sample pipe continued until August 9 at which time mitigation was completed. The TSS limit was exceeded on two occasions during this time.
2. On August 15, 16, 17, 18, 19, 24 and 31, 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.
3. The limits on geometric mean for fecal coliforms and E. coli were exceeded in August. The bypass flow limit of 98.6 ML/d was exceeded on August 12. The geometric means for the bacti data were calculated accordingly. Exceedance of the bypass level was experienced during part of the day on August 3, 4, 5, 7 and 8. We are not aware of any problems, mechanical or otherwise, that occurred during this time that would have caused the other high values shown in the monitoring report.

As requested in the monitoring report submittal letter dated September 1, 2006, 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.
W.J. Borlase, P.Eng.
M.A. Shkolny, P.Eng.