



October 10, 2012

THE HONORABLE JACK F. CHIOVATERO
MAYOR'S OFFICE
3805 SOUTH CASPER DRIVE
NEW BERLIN WI 53151-0921

Subject: 2012 Documentation of Reporting Requirements for the City of New Berlin Water Supply Service Area Plan and Diversion Approval

Dear Mayor Chiovatero:

The department has received the City of New Berlin's revised Annual Report of Water Use in the Approved Service Area and Return Flow for the City of New Berlin, Wisconsin (Report) for calendar year 2011.

The Water Supply Service Area Plan and Diversion Approval (Approval) issued by the department on May 21st, 2009 requires the City of New Berlin to submit an annual report to the department by March 1st of the following year. Specifically, section VI of the Approval requires the City of New Berlin to report the following information for the prior year (2011) to the department:

1. The total amount of water purchased from the City of Milwaukee.
2. The amount of water sold to each category and subcategory of customer on a quarterly basis within the City limits.
3. The amount of water sold to each category and subcategory of customer on a quarterly basis within the approved diversion area.
4. The amount of water diverted to the approved diversion area on a monthly basis (to be estimated by the City).
5. The amount of water pumped from each municipal well within the City limits on a quarterly basis, noting the basin in which each well is located.
6. Average residential per capita water use.
7. A description of efforts made by the City to improve water conservation and efficiency and minimize the infiltration and inflow to the sanitary sewer system.
8. Estimates of the total monthly sewerage flow within the City.
9. Estimates of the monthly sewerage return flow from within the approved water supply service area and the approved diversion area.

Additionally, beginning May 21, 2011, the City shall not use any municipal wells within the approved water supply service area and approved diversion area to supply water to the municipal system, except that one or more municipal wells may be used on a temporary basis only as agreed upon in a written extended well abandonment agreement between the City and the department.

The following paragraphs briefly summarize the department's review.

1. The total amount of water purchased from the City of Milwaukee.
The total amount of water purchased from the City of Milwaukee in 2011 is reported as 933,144,960 gallons in Table 1-1. This information is complete and meets the reporting requirements.
2. The amount of water sold to each category and subcategory of customer on a quarterly basis within the approved City limits.
This information is presented in Table 2-1, is complete and meets the reporting requirements.
3. The amount of water sold to each category and subcategory of customer on a quarterly basis within the approved diversion area.
This information is presented in Table 3-1, is complete and meets the reporting requirements.
4. The amount of water diverted to the approved diversion area on a monthly basis (to be estimated by the City).
The information is presented in Table 4-1, is complete and meets the reporting requirements. The City reports diverting 534,692,063 gallons of water in 2011. This averages to 1.465 million gallons per day.

Note: The May 21, 2009 diversion approval authorizes a maximum diversion of 2.142 million gallons per day.
5. The amount of water pumped from each municipal well within the City limits on a quarterly basis, noting the basin in which each well is located.
This information is presented in Table 5-1, is complete and meets the reporting requirements. The City has fulfilled the requirement to abandon wells by May 21, 2011. The department has received abandonment reports for City Wells 1 – 11.
6. Average residential per capita water use.
The combined city-wide residential per capita water use in the service area is reported to be 62.04 gallons per day. The per capita water use calculation was described in Table 6-1. This information is complete and meets the reporting requirements.
7. A description of efforts made by the City to improve water conservation and efficiency and minimize the infiltration and inflow within the City.

Water Softeners – Appendix A of the Report includes a copy of the City of New Berlin Water Conservation Plan (the Conservation Plan) approved in 2009. Both this plan and the City's report indicate anticipated savings of 9.4 million gallons of water per year by not using water softeners in the diversion area.

Hydrant Flushing – The City of New Berlin has reduced the frequency of hydrant flushing for a projected savings of 8.7 million gallons of water per year.

I/I - Efforts to minimize Inflow and Infiltration (I/I) were described in Table 7-1 and in Appendix B. The city spent \$324,000 on reducing I/I in the sanitary sewer system and spent \$296,610 in reducing I/I in the stormwater system. The report indicated that the estimated I/I for the sewer system was 2.912 million gallons per day in 2011. This demonstrates a reduction in estimated I/I from 2009 calculations of 3.203 million gallons per day of I/I.

8. Estimates of the total monthly sewerage flow within the City.
This information is presented in Table 8-1. This information is complete and meets the reporting requirements.
9. Estimates of the monthly sewerage return flow within the approved water supply service area (WSSA) and the approved diversion area.
This information is presented in Table 9-1. This information is complete and meets the reporting requirements.

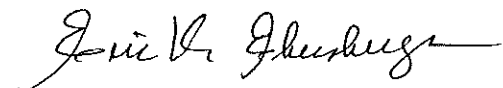
The following table summarizes relevant data from New Berlin's report.

2011 Data		
Data Source (some numbers calculated)	Type of Water	Average Amount of Water (million gallons per day)
Table 1-1	Purchased Water	2.557
Table 2-1	Sold within City Limits	2.348
Table 4-1	Diversion Amount	1.465
Page 5 of the Report	I/I	2.912
Table 8-1	Sewer within the City	5.397
Table 9-1	Sewer within WWSA and Diversion Area	5.397

In addition to these reporting requirements enumerated above, as stated in section V of the Approval, the City is subject to the water conservation and efficiency requirements specified in administrative rule. Wisconsin Administrative Code Chapter NR 852 (Water Conservation & Water Use Efficiency) took effect on January 1, 2011. By March 1st, 2013, the City of New Berlin should submit to the department an analysis that identifies cost-effective or environmentally sound and economically feasible water conservation and efficiency measures, as required by §281.346(4)(f)6., Wis. Stats., and ch. NR 852.06, Wis. Admin. Code. This information shall be submitted to the Department as part of the City of New Berlin's Annual Report of Water Use, Water Diversion and Return Flow as required by the City of New Berlin's Water Supply Service Area Plan and Diversion Approval.

Please contact Kay McConnell, Water Supply Specialist (608-266-9265, Kristin.Mcconnell@wisconsin.gov) with any questions regarding the reporting requirements.

Sincerely,



Eric K. Ebersberger
Water Use Section Chief
Bureau of Drinking Water and Groundwater

Cc: Jill Jonas, DG/5 (by email only)
Greg Kessler (by email only)