



May 30, 2013

THE HONORABLE DAVID AMENT  
MAYOR'S OFFICE  
3805 SOUTH CASPER DRIVE  
NEW BERLIN WI 53151-0921

Subject: 2013 Documentation of Reporting Requirements for the City of New Berlin Water Supply Service Area Plan and Diversion Approval

Dear Mayor Ament:

On February 28th, 2013, the department received the City of New Berlin's Annual Report of Water Use in the Approved Service Area and Return Flow for the City of new Berlin, Wisconsin (Report). On May 23, 2013 the department received additional information and revised tables in response to the department's request.

The Water Supply Service Area Plan and Diversion Approval (Approval) issued by the department on May 21, 2009 requires the City of New Berlin to submit annual reporting information to the department by March 1<sup>st</sup> 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 (2012) to the department:

1. The total amount of water purchased from Milwaukee.
2. The amount of water sold to each category and subcategory of customer on a quarterly basis within the approved 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 within the City.
8. Estimates of the total monthly sewerage flow within the City.
9. Estimates of the monthly sewerage return flow within the approved water supply service area and the approved diversion area.

Additionally, beginning no later than two years after the date the diversion was signed (May 21, 2009) the City must not use any municipal wells within the approved water supply service area and approved diversion area to supply water to the municipal system.

The following paragraphs briefly summarize the department's review.

1. The total amount of water purchased from the City of Milwaukee.

This information is presented in Table 1-1. The total amount of water purchased from the City of Milwaukee in 2012 is reported as 983,754,640 gallons (or 2.687 million gallons per day).

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
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.
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. The City reports diverting 563,691,404 gallons in 2012. This averages to 1.540 million gallons per day. (Note: The 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. All wells were disconnected in 2009. The remaining wells were abandoned in 2012. All of New Berlin's wells have been disconnected and abandoned as required by the Approval. Reporting on this element is not required in future years.
6. Average residential per capita water use.  
The per capita water use calculation was described in Table 6-1. The combined city-wide residential per capita water use in the service area is reported to be 67.63 gallons per capita per day (gpcd). This number has been higher the last couple of years from a low of 60.38 gpcd reported in 2010; however, it is still below the 2007 base year of 68.03 gallons per capita per day. The City's reported goal is to have per capita water use reduced by at least 10% (or to less than 61 gallons per capita per day) by 2020. In future reports please quantify the progress made towards achieving this 10% reduction and plans to achieve the full 10% reduction.
7. A description of efforts made by the City to improve water conservation and efficiency and minimize the infiltration and inflow within the City.  
Section 7 of the Report details the City's efforts to improve water conservation and efficiency. In future reports please quantify the City's progress towards the goal of reducing peak water demand by 1 MGD.  
  
Efforts to minimize Inflow and Infiltration (I/I) were described in Table 7-1 and in Appendix B. The city spent \$73,000 on reducing I/I in 2012. The report indicated that the estimated I/I for the sewer system was 2.632 million gallons per day.
8. Estimates of the total monthly sewerage flow within the City.  
This information is presented in Table 9-1.
9. Estimates of the monthly sewerage return flow within the approved water supply service area and the approved diversion area.  
This information is presented in Table 9-1. The estimate of the average monthly sewerage flow for 2012 was 146,220,000 gallons.

2012 Summary Data		
Data Source	Type of Water	Average Amount of Water (million gallons per day)
Table 1-1	Purchased water	2.695
Table 2-1	Sold within city limits	2.586
Table 3-1	Diversion amount	1.540
Page 7 of the Report	Inflow/Infiltration	2.632
Table 9-1	Diversion area sewerage returned	2.242
Table 9-1	Total sewerage returned	4.874

The information provided in the Report appears to be complete and meet the annual reporting requirements. However, the City of New Berlin has not met all of the requirements identified in the Approval related to water conservation and efficiency. The department will send a separate letter addressed to Mr. Kessler regarding the City's water conservation program compliance. The City's 2013 Annual Report, to be submitted to the department by March 1<sup>st</sup>, 2014, should include the information referenced in sections 6 and 7 above, and information on compliance with Tier 3 water conservation, as will be explained in the separate letter to Mr. Kessler.

Please contact Steve Elmore ([steve.elmore@wisconsin.gov](mailto:steve.elmore@wisconsin.gov), 608-264-9246) with questions regarding the reporting requirements.

Sincerely,



Eric K. Ebersberger  
Chief, Water Use Section

- cc. Greg Kessler, Director of Community Development, City of New Berlin (email only)  
Jim Hart, Water Utility Manager, City of New Berlin (email only)  
Sue Hanley, Administrative Supervisor, City of New Berlin (email only)  
Denise Schmidt, Water Conservation Coordinator, PSC (email only)  
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