



July 13, 2018

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

Subject: 2018 Documentation of Reporting Requirements for the City of New Berlin Water Supply Service Area Plan

Dear Mayor Ament:

On February 08<sup>th</sup>, 2018 the department received the 2017 Annual Report of Water Use, Water Diversion Return Flow for the City of New Berlin, Wisconsin (Report).

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 (2017) 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.

The following paragraphs briefly summarize the department's review.

1. *The total amount of water purchased from Milwaukee.* The total amount of water purchased from the City of Milwaukee in 2017 is reported in Table 1-1 of the Report as 940,313,792 gallons (or 2.576 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 the Report 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 the Report 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 City diverted 538,799,803 gallons in 2017, an average of 1.476 million gallons per day. New Berlin is authorized to divert an average of 2.142 million gallons per day. The information is presented in the Report Table 4-1.
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 reporting element is no longer applicable as all of the City's wells have been taken out of service and abandoned as required by the Approval.
6. *Average residential per capita water use.* The per capita water use calculation is described in Table 6-1 of the Report. The residential per capita water use in the service area is reported as 53.65 gallons per capita per day (gpcd). The City's goal is to have per capita residential water use reduced by at least 10% from the 2007 base year by 2020. Meeting that goal reflects a residential per capita water use of 61 gpcd or less. In 2017, the City met their goal for per capita residential 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.* Section 7 of the Report details the City's efforts to improve water conservation and efficiency. Efforts to minimize Inflow and Infiltration (I/I) are described in Table 7-1 and in Appendix B. The City spent \$47,413 on reducing I/I in 2017.
8. *Estimates of the total monthly sewerage flow within the City.* This information is presented in Table 9-1 of the Report.
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 of the Report. The average monthly sewerage flow within the City for 2017 was estimated as 172,500,000 gallons. The average monthly sewerage flow within the diversion area was estimated as 76,800,000 gallons per month.

<b>2017 Summary Data</b>		
<b>Type of Water</b>	<b>Average Amount of Water (million gallons per day)</b>	<b>Data Source</b>
Purchased water	2.576	Table 1-1
Sold within city limits	2.171	Table 2-1
Diversion amount	1.476	Table 4-1
Diversion area sewerage returned	2.560	Table 9-1
Total sewerage returned	5.750	Table 9-1

In addition to the reporting requirements above, the City has also submitted documentation demonstrating compliance with Tier 3 water conservation as required by section V of the Approval and ch. NR 852, Wis. Admin. Code. The information provided in the Report appears to meet the annual reporting requirements.

The City's 2018 Annual Report is to be submitted to the department by March 1<sup>st</sup>, 2019.

Please contact Chris Fuchsteiner [christopher.fuchsteiner@wisconsin.gov](mailto:christopher.fuchsteiner@wisconsin.gov), (608) 266-9264 with any additional questions regarding your annual reporting.

Sincerely,

A handwritten signature in cursive script that reads "Adam Freihoefer". The signature is written in dark ink on a white background.

Adam Freihoefer  
Section Chief, Water Use Section  
Bureau of Drinking Water and Groundwater

cc. Greg Kessler, Director of Community Development, City of New Berlin (email only)  
Jim Hart, Water Utility Manager, City of New Berlin (email only)  
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