



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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April 15, 2010

THE HONORABLE JACK F. CHIOVATERO
MAYOR'S OFFICE
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NEW BERLIN, WI 53151-0921

Subject: April 2010 Documentation of Reporting Requirements for the City of New Berlin
Water Supply Service Area Plan and Diversion Approval

Dear Mayor Chiovatero:

The Department has reviewed the City of New Berlin's recent April 2010 re-submittal of calendar year 2009 data under the terms of the *Water Supply Service Area Plan and Diversion Approval* issued to the City. The submittal was received by the Department on April 6, 2010; however it continues to have several deficiencies or omissions and fails to fulfill the reporting requirements of Section VI of the *Water Supply Service Area Plan and Diversion Approval*.

Section VI of the *Water Supply Service Area Plan and Diversion Approval* requires the City of New Berlin to annually report nine distinct and clearly identified points of information to the Department. Those nine items were summarized in my March 30, 2010 letter to you. I again request that the City report the information required in Section VI of the *Water Supply Service Area Plan and Diversion Approval* in a format that clearly identifies the data being submitted and clearly connects the data to the reporting requirement it is meant to fulfill. Additionally, please include a cover letter that affirmatively states that the information submitted is intended to comply with the reporting requirements of Section VI of the *Water Supply Service Area Plan and Diversion Approval*.

The deficiencies and omissions related to the nine reporting requirements identified in section VI of the *Water Supply Service Area Plan and Diversion Approval* are outlined below in numerical order following the original reporting requirement language from section VI (presented in italics):

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

The information submitted from the City of New Berlin appears to be partially complete; however, it is presented in a table titled "2009 Pumpage". The data needs to be clearly presented and labeled as stated in item 1 confirming that it represents 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.*

The information is presented in a table labeled "2009 Consumption" and listed in categories by basin ("MILW" & "MISB") and subcategories ("C-CONDO/APT" & "R-Residential") and appears to be

partially complete. However, the information needs to be clearly labeled, and presented in a stand-alone table confirming that it is the “Water Sold within City Limits”.

3. *The amount of water sold to each category and subcategory of customer on a quarterly basis within the approved diversion area.*

Again, this information is presented in the same table as referred to under item 2 and appears to be partially complete. As stated in item 2 above, the reporting format needs to be clearly labeled, and presented in a stand-alone table confirming that it is the “Water Sold 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).*

This information has been omitted and needs to be submitted to the Department. The information needs to be clearly labeled and presented in a stand-alone table or statement.

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.*

The municipal well data received by the Department in the April 6, 2010 submittal is contained in a table titled “City of New Berlin Water Utility Pumpage and Chemical Usage”. The table includes monthly data with an annual pumpage total for 2009. The municipal well pumpage data has not been totaled and presented “on a quarterly basis” and the well locations, by basin, have not been provided. This information needs to be submitted to the Department and presented in a format that clearly identifies the information requested in item 5 in a separate stand alone table.

6. *Average residential per capita use.*

This information is presented in a table labeled “2009 Consumption” and identified as “per capita” by category in the “MILW” (Great Lakes Basin) and “MISB” (Mississippi River Basin). The “per capita” data needs to be averaged and presented in a format that clearly identifies the requested data in item 6 either in a stand alone table, statement or both.

7. *A description of the efforts made by the City to improve water conservation and efficiency and minimize infiltration and inflow to the sanitary sewer system.*

a) Water Conservation and Efficiency. The City of New Berlin has submitted information from their web page that outlines the City’s “Toilet Rebate Program”, “Lawn Sprinkling Schedule”, “Authorized Water Rates and Rules” and a copy of the “City of New Berlin Water Conservation Plan”. While this information is acceptable and can be presented as part of an appendix to the reporting requirements, the City of New Berlin should provide at least a brief narrative summarizing the current conservation programs and the conservation accomplishments during the reporting year (2009).

b) Infiltration and Inflow. The City of New Berlin has submitted three tables regarding Infiltration and Inflow (I&I). Two of the tables reference I&I costs for the period of time 2005 - 2007 and contain information provided by MMSD listing information about several communities served by MMSD. The MMSD tables reference municipal costs but do not describe the project details to reduce I&I into the sanitary sewer. A third table is titled “I/I Reduction Projects” is specific to the City of New Berlin and lists projects dating back to 1997. There are two lines listed in the City of New Berlin I&I table with dates listed as “2006 - 2010” with limited project descriptions. The City of New Berlin needs to submit a narrative summary of recent efforts, in particular 2009, detailing efforts to reduce infiltration and inflow into the sanitary sewer system. I&I reduction projects and expenditures should be presented in a table which clearly identifies recent projects that the City of New Berlin has planned, initiated or completed.

8) *Estimates of the total monthly sewerage flow within the City*

The sewerage flow data reported in the table labeled "2009 Sewer Flows" lists the total *annual* sewer flow as 200,320,313 gallons. This flow volume appears to be low compared to the City's reported annual water pumpage of 1,049,557,000 gallons. (A Ruekert-Mielke document dated March 3, 2009 contains a table projecting the 2009 average daily sewerage flows at 6.265 million gallons.) The City of New Berlin needs to clarify the pumpage and sewerage flow reporting values, and, if the reported sewerage flows are correct, the City needs to explain why the return flow amount is significantly lower than the pumpage total.

9) *Estimates of the monthly sewerage return flow from within the approved water supply service area and approved diversion area.*

This information is reported in the table labeled "2009 Sewerage Flows". As stated in item 8 above, please confirm the reported monthly flow values and address the discrepancy in the monthly pumpage volumes with the low sewer return flows.

In short, the City's April 6, 2010 submittal does not contain the appropriate information required in Section VI of the *Water Supply Service Area Plan and Diversion Approval* and reiterated in my March 30, 2010 letter. The reporting information should be submitted in a report format that clearly identifies the data being submitted and clearly connects the data to the Section VI reporting requirement it is meant to fulfill. Moreover, the City should include a cover letter that affirmatively states that the information submitted is intended to comply with the reporting requirements of Section VI of the *Water Supply Service Area Plan and Diversion Approval*.

As stated in my March 30th letter, please submit the information to my attention by the end of the month. Please let me know at your earliest convenience if you will be unable to meet this deadline.

Please contact Dino Tisoris at (608) 267-4581 with any questions regarding the reporting requirements or the format of the final report for submittal to the Department.

Sincerely,



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