



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 8

SRBC Pending No.: 2022-072

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

1.1 Project Sponsor

Company Name: Bath Electric, Gas and Water Systems

Mailing Address Line 1: 7 South Avenue

Mailing Address Line 2:

City: Bath

State: NY

ZIP Code: 14810

Contact Person:

First Name: Erin

Last Name: Bonacci

Title: Director of Municipal Utilities

Telephone: 607-776-2173

Fax: 607-776-9092

Mobile: 716-998-9794

E-mail: ebonacci@begws.com

1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:

2037

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	2.347	2.347
Maximum Daily Water Demand :	2.347	2.347
System Capacity :	2.347	2.347

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 18

Maximum Instantaneous Withdrawal Rate (gpm): 800

Maximum 24-Hour Day (mgd): 1.152

Maximum 30-Day Average (mgd): 0.84

2.2 Facility Location

Please enter the address of the parcel where the Project Facility is located.

Street Address: Cameron Place

State: NY

County: Steuben

Municipality: Bath Village

Zip Code: 14810

Subbasin: Chemung

Section 2.1 – Project Facility Description
Well 8 Groundwater Withdrawal – Docket 19980105 Renewal
Groundwater Withdrawal Application
Bath Electric, Gas & Water Systems
Village of Bath, Steuben County, NY

The Village of Bath Electric Gas and Water Systems (BEGWS) is preparing and planning to submit an Alternative Hydrogeologic Evaluation (AHE) in support of an application for renewal of SRBC Docket 19980105 which authorizes a groundwater withdrawal (30-day average) of 0.84 million gallons per day (MGD) from BEGWS Well 8 and a total system withdrawal limit (30-day average) of 2.347 MGD for public water supply purposes. The application is being submitted for docket renewal with no requested increase in groundwater withdrawal.

Well 8 is one of four wells operated as part of the BEGWS Public Water Supply System. The system is permitted with the New York Department of Environmental Conservation (NY DEC) and the New York State Department of Health (NYSDOH). The other three BEGWS water-supply wells include Wells 4, 6 and 7, with SRBC-registered groundwater withdrawals grandfathered for maximum consecutive 30-day averages of 0.503, 0.456, and 0.840 MGD, respectively. All four of the wells are located within the Village of Bath. Well 8 was drilled, constructed, and tested in 1997 and has been in use since it was permitted in 1998.

The Village of Bath is located in the watershed of the Cohocton River, southwest of Keuka Lake, within the glaciated portion of the Appalachian Plateau. The BEGWS wells were drilled into and constructed within the sands and gravels associated with the Cohocton Valley-Fill Aquifer; an aquifer deposited by glacial meltwater streams that incised valleys in the underlying bedrock formations and drained away from stagnated or melting ice that formed in upland valleys. The NY DEC considers the Cohocton Valley-Fill Aquifer to be a Primary Aquifer, defined as a “highly productive aquifer presently utilized as a source of water supply by major municipal water supply system(s)”.

Water withdrawals from each of the BEGWS wells are metered at the wellheads, with meters read and recorded daily. Water use data is reported to the SRBC on a quarterly basis. The four wells provide water to two water storage tanks (1 MG and 1.5 MG capacity) and an integrated water distribution system that serves approximately 2,662 customers in the Village and Town of Bath. The system serves approximately 2,420 average service connections in the Village and 242 average service connections in the Town. Chlorination treatment is provided for disinfection of the water in the distribution system and fluoride treatment is provided to prevent dental decay.

Wastewater in the area is conveyed to the Village of Bath Wastewater Treatment Plant for treatment, disinfection, and effluent is returned to the Cohocton River under a State Pollutant Discharge Elimination System (SPDES) permit.

