



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

Phone (717) 238-0423 • Fax (717) 238-2436

Web <http://www.srbc.net>

Groundwater Withdrawal Application Summary

Source Name: well 7

SRBC Pending No.: 2023-024

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: Beavertown Municipal Authority

Mailing Address Line 1: 336 North Kern Street

Mailing Address Line 2:

City: Beavertown

State: PA

ZIP Code: 17813

Contact Person:

First Name: Eric

Last Name: Freed

Title: Operator

Telephone: (570) 658-2505

Fax: (570) 658-3607

Mobile: (570) 541-1499

E-mail: beavertownmunicipal@verizon.net

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:

2038

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.15	0.199
Maximum Daily Water Demand :	0.375	0.38
System Capacity :	1.62	1.62

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 6

Maximum Instantaneous Withdrawal Rate (gpm): 400

Maximum 24-Hour Day (mgd): 0.576

Maximum 30-Day Average (mgd): 0.199

2.1 Project Facility Description – Beavertown Municipal Authority Wells 6 and 7

Beavertown Municipal Authority (BMA) is renewing withdrawal approvals with the Susquehanna River Basin Commission (SRBC) for two wells in its municipal supply system. SRBC approval for Wells 5, 6, and 7 will expire on September 16, 2023.

BMA owns and operates a public water system (Total System) that supplies water to Beavertown Borough and Beaver Township in Snyder County, Pennsylvania. Water usage includes industrial, commercial, and domestic use. Additional housing developments, and commercial facilities are anticipated to increase the Total System demands throughout the next 15 years. The water system includes four wells (Wells 3, 5, 6, and 7). However, only Wells 6 and 7 are in use. Wells 3 and 5 are kept for emergencies. Well 3 is registered with the Susquehanna River Basin Commission (SRBC or Commission) for grandfathered use of 0.252 million gallons per day (mgd) per Certificate No. GF-202206218 although Well 3 is not typically used. Well 5 has not been operating for 18 years or more. Therefore, BMA does not intend to renew its approval for Well 5. Well 5 will be kept by BMA in case of emergencies or future needs.

Wells 5, 6, and 7 are currently approved for a combined maximum 30-day average of 0.994 mgd by the Commission in Docket No. 19930901. Within the last six years since January 1, 2017, the maximum 30-day average water demand of the water system (Wells 6 and 7 combined) is 0.150 mgd, which occurred in May of 2019. The maximum 30-day average water demand is projected to be 0.199 mgd in 15 years with anticipated population growth. The maximum daily water demand (peak day) since January 1, 2017 was 0.375 mgd on April 3, 2017.

Based on historical operations, anticipated population growth, and projected water demands for the next 15 years, BMA is requesting maximum 30-day average withdrawal approvals of 0.199 mgd, each, for Wells 6 and 7. These rates are being requested to provide redundancy to the System in the event that one well is out of service. BMA operates the wells on an alternating schedule; the wells are not operated concurrently. This operation schedule is anticipated to continue for the 15-year duration of the renewed withdrawal approval. The maximum instantaneous pumping rates listed below are being requested to correlate with the “safe yields” and pump capacities listed in the Pennsylvania Department of Environmental Protection’s (DEP’s) Drinking Water Reporting System online database for BMA:

- Well 6 – 550 gpm
- Well 7 – 400 gpm

BMA maintains one water storage tank, with a capacity of 411,000 gallons. BMA does not utilize any surface water or surface water impoundments.

The majority (94 percent) of BMA’s wastewater is treated by Beavertown Municipal Authority’s Wastewater Treatment Plant where treated water is discharged to Kern Run. The remaining water supplied by BMA is discharged to on-lot septic systems in Beaver Township outside of the Borough limits.