



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Sportsman Well Renewal

SRBC Pending No.: 2018-078

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: Blossburg Municipal Authority
Mailing Address Line 1: 245 Main Street
Mailing Address Line 2:
City: Blossburg
State: PA
ZIP Code: 16912

Contact Person:

First Name: George
Last Name: Lloyd
Title: Borough Manager
Telephone: 570-638-5501
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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:
2033

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.315	0.497
Maximum Daily Water Demand :	0.467	0.661
System Capacity :	0.665	1.025

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24
Maximum Instantaneous Withdrawal Rate (gpm): 205
Maximum 24-Hour Day (mgd): 0.23
Maximum 30-Day Average (mgd): 0.23

2.1 Detailed Project Description

The Blossburg Municipal Authority (BMA) operates a public water system in southeastern Tioga County that has a total of 688 connections. These taps serve 585 residences, 52 commercial establishments, 34 institutions, 11 industries, one bulk sale to a consecutive public water system, and one oil and gas facility. Based upon analysis of the past five years of water use records (2013 to 2017), BMA's maximum 30-day average and peak day demands approach 315,000 and 467,000 gallons, respectively. Unaccounted for water is currently 15 percent.

The BMA has recently committed to be the sole source of water supply for the newly-formed Upper Tioga River Regional Authority (UTRRA), which will serve a seven-mile long segment of the Route 15 corridor extending from the northern Blossburg Borough boundary to the southern limit of Mansfield Borough. Accounting for UTRRA, and growth rates documented by Act 537 planning, BMA's 15-year future-projected maximum 30-day average and peak-day demands are estimated at 496,680 and 660,584 gallons, respectively

The BMA holds permits for two potable water sources. These include the Bellman Run Reservoir and the Sportsman Well. The Pennsylvania Department of Environmental Protection (PADEP) Allocation Permit for the Bellman Run source (WA 59-342B) was issued in 1990 and has a 50-year term. This permit allows a maximum withdrawal of 435,000 gallons per (gpd) and stipulates a conservation release of 136,000 gpd. The Susquehanna River Basin Commission (SRBC) Groundwater Withdrawal Permit for the Sportsman Club Well was issued in 1989 (19890105) and is up for renewal in 2019. This permit allows a maximum withdrawal of 360,000 gpd. Production from the Sportsmans Well was initiated on January 12, 1989. Over the past year, the average use rates of the Bellman Run Reservoir and Sportsman Well were 173,814 and 97,246 gpd, respectively.

Both of the BMA sources are treated at filter plants. The Bellman Run plant is a conventional surface-water treatment facility. The Sportsman plant employs a direct filtration system designed for iron and manganese removal. The BMA water service area is sewered, and the water produced by the the Bellman Reservoir and Sportsman Well is returned to the Tioga Susquehanna River at a sewer plant discharge lying in Blossburg Borough.

The BMA is currently in the process of filing a renewal to their SRBC Groundwater Withdrawal Permit for the Sportsman Well. This well is typically pumped from three to 24 hours per day at an average rate approaching 172 gallons per minute (gpm). To support the renewal, Casselberry & Associates has compiled and analyzed historical production and pumping level records. Based upon this work, the BMA is requesting a 30-day maximum withdrawal of 0.230-mgd in the SRBC permit renewal. To confirm the sustainability of the 0.230-mgd withdrawal, the BMA will conduct a long-term operational aquifer test in August of 2018.

To secure additional future capacity, the BMA has begun the process of seeking SRBC approvals for three new wells identified as Taylor Run Test Well #1, Taylor Run Test Well #3 and DCNR Test Well #2. All three of these wells produce excellent quality water needing no treatment for potable use. The BMA anticipates filing SRBC Groundwater Withdrawal Permit applications for Taylor Run Test Wells #1 and #3, and an SRBC Aquifer Testing Plan for the DCNR Test Well #2, in the fall of 2018.