



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 64

SRBC Pending No.: 2021-084

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: State College Borough Water Authority
Mailing Address Line 1: 1201 W. Branch Road
Mailing Address Line 2:
City: STATE COLLEGE
State: PA
ZIP Code: 16801-7656

Contact Person:

First Name: Brian
Last Name: Heiser
Title: Executive Director
Telephone: +1-814-238-6766
Fax:
Mobile:
E-mail: brian@scbwa.org

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 :	0.642	0.85
Maximum Daily Water Demand :	0.839	0.85
System Capacity :	7.25	7.25

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 8
Maximum Instantaneous Withdrawal Rate (gpm): 590
Maximum 24-Hour Day (mgd): 0.85
Maximum 30-Day Average (mgd): 0.85

AQUALITH TECHNOLOGIES, LLC

State College Borough Water Authority Well 64 Project Facility Description

State College Borough Water Authority (SCBWA) owns and operates Well 64, which was constructed in June 1989 with constant-rate aquifer testing occurring in Fall 1989. Well 64 is part of SCBWA's Wellfield 6, which also includes Wells 62, 63, and 65. Wellfield 6 was permitted for groundwater withdrawal by the Susquehanna River Basin Commission (SRBC) per Docket No. 19920102 at a combined rate of 4.7 million gallons per day (MGD). The intent of providing this supporting information is to allow its continued permitted use as a key groundwater source in the SCBWA's public water supply system. SCBWA seeks a maximum 30-day average and maximum daily withdrawal volume from Well 64 of 0.850 MGD (590 gallons per minute).

The SCBWA has a combined water supply system consisting of seven wellfields (Wellfields 1 through 7) with a combined 22 wells, and one reservoir (Shingletown Reservoir). The SCBWA system is limited to a system-wide withdrawal of 8.1 MGD based on current allocation permits. The system's typical average daily demand is approximately 5 MGD with a peak daily demand of 6 MGD. The SCBWA serves approximately 75,000 customers, maintains over 15,000 metered services, 270 miles of water mains, a 6 MGD water treatment plant, and thirteen water storage tanks with 15.75 MGD storage capacity. The University Area Joint Authority receives 98.3% of the area's wastewater for treatment and discharge into Spring Creek in Houserville, PA. The remaining 1.7% of wastewater is collected by Spring Benner Walker Joint Authority, which discharges into the Bellefonte Treatment Plant, which also discharges into Spring Creek.