



SUSQUEHANNA RIVER BASIN COMMISSION

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

Groundwater Withdrawal Application Summary

Source Name: Well 22

SRBC Pending No.: 2021-081

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

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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 :	1.45	1.584
Maximum Daily Water Demand :	1.882	2
System Capacity :	6.516	6.516

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 8

Maximum Instantaneous Withdrawal Rate (gpm): 1100

Maximum 24-Hour Day (mgd): 1.584

Maximum 30-Day Average (mgd): 1.584

AQUALITH TECHNOLOGIES, LLC

State College Borough Water Authority Well 22 Project Facility Description

State College Borough Water Authority (SCBWA) owns and operates Well 22, which was constructed in August 1990 with constant-rate aquifer testing occurring in December 1990. Well 22 is part of SCBWA's Wellfield 3, which also includes Wells 24 and 25. Well 22 well was permitted for groundwater withdrawal by the Susquehanna River Basin Commission (SRBC) per Docket No. 19920103 at a combined rate of 2.5 million gallons per day (MGD) with Well 24. The intent of providing this supporting information is to waive Well 22's constant-rate aquifer testing by demonstrating this existing production well's safe yield through historic operational data to allow its continued use as a key groundwater source in the SCBWA's public water supply system. SCBWA seeks to continue its maximum 30-day average and maximum daily withdrawal volume from Well 22 of 1.584 MGD (1,100 gallons per minute) with its combined rate of 2.5 MGD with Well 24.

The SCBWA has a combined water supply system consisting of seven wellfields (Wellfields 1 through 7) with a combined 23 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.

