



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 18

SRBC Pending No.: 2022-049

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:

2038

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.648	0.745
Maximum Daily Water Demand :	1.011	1.163
System Capacity :	3.096	3.096

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 1

Maximum Instantaneous Withdrawal Rate (gpm): 400

Maximum 24-Hour Day (mgd): 0.576

Maximum 30-Day Average (mgd): 0.576

AQUALITH TECHNOLOGIES, LLC

State College Borough Water Authority Well 18 Project Facility Description

State College Borough Water Authority (SCBWA) owns and operates Well 18, which was constructed in April 1991 with constant-rate aquifer testing occurring in August 1991. Well 18 is part of SCBWA's Wellfield 2, which also includes Wells 17 and 19. Well 18 was permitted for groundwater withdrawal by the Susquehanna River Basin Commission (SRBC) per Docket No. 19930501 at a combined rate of 3.88 million gallons per day (MGD) with Wells 17 and 19. The intent of providing this supporting information is to waive Well 18'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 a maximum 30-day average and maximum daily withdrawal volume from Well 18 of 0.576 MGD (400 gallons per minute, GPM) with a combined wellfield withdrawal rate of 3.672 MGD including Wells 17 (1.584 MGD/1,100 GPM) and 19 (1.512 MGD/1,050 GPM).

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.