



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** Well 19

**SRBC Pending No.:** 2022-050

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:

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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:  
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 :                     | 2.16                 | 2.16                                   |

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 8  
Maximum Instantaneous Withdrawal Rate (gpm): 1050  
Maximum 24-Hour Day (mgd): 1.512  
Maximum 30-Day Average (mgd): 1.512

# AQUALITH TECHNOLOGIES, LLC

## State College Borough Water Authority Well 19 Project Facility Description

State College Borough Water Authority (SCBWA) owns and operates Well 19, which was constructed in May 1990 with constant-rate aquifer testing occurring in August 1991. Well 19 is part of SCBWA's Wellfield 2, which also includes Wells 17 and 18. Well 19 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 18. The intent of providing this supporting information is to waive Well 19'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 19 of 1.512 MGD (1,050 gallons per minute, GPM) with a combined wellfield withdrawal rate of 3.672 MGD including Wells 17 (1.584 MGD/1,100 GPM) and 18 (0.576 MGD/400 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.

