



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 71

SRBC Pending No.: 2024-041

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

Contact Person:

First Name: Brian

Last Name: Heiser

Title: Executive Director

Telephone: 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:

2039

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	5.761	5.75
Maximum Daily Water Demand :	6.939	6.75
System Capacity :	8	8

1.4 Requested Withdrawal Amount:

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

Maximum Instantaneous Withdrawal Rate (gpm): 1000

Maximum 24-Hour Day (mgd): 1.44

Maximum 30-Day Average (mgd): 1.44

AQUALITH TECHNOLOGIES, LLC

State College Borough Water Authority Well Field No. 7 Project Facility Description

State College Borough Water Authority (SCBWA) owns and operates Well Field No. 7 which includes Well Nos. 71, 73, 78, and 79 and was originally permitted in September 1993 and brought into service in 1994. Well Field No. 7 well was permitted for groundwater withdrawal by the Susquehanna River Basin Commission (SRBC) per Docket No. 19940903 at a combined rate of 4.8 million gallons per day (MGD) or 3,350 gallons per minute (GPM) for emergency use, with average daily use of up to 2.275 MGD (annual basis), and daily use of up to 3.185 MGD (monthly basis). The individual well yields are:

- Well 71-1,000 GPM,
- Well 73-850 GPM,
- Well 78-1,100 GPM, and
- Well 79-400 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 8.0 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 73,239 customers, maintains over 15,000 metered services, 270 miles of water mains, two water treatment plants (Woodside Drive plant at 6 MGD and the Nixon-Kocher plant at 3.33 MGD), 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.

