



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 5 Renewal

SRBC Pending No.: 2023-055

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: Ashland Area Municipal Water Authority

Mailing Address Line 1: 401 South 18th Street

Mailing Address Line 2:

City: Ashland

State: PA

ZIP Code: 17921

Contact Person:

First Name: Raymond

Last Name: Jones, Jr.

Title: Borough Manager

Telephone: (570) 875-2411

Fax:

Mobile:

E-mail: ray.jones@ashlandborough.com

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:

2023

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.581	0.581
Maximum Daily Water Demand :	0.712	0.712
System Capacity :	1.34	1.34

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24

Maximum Instantaneous Withdrawal Rate (gpm): 388

Maximum 24-Hour Day (mgd): 0.56

Maximum 30-Day Average (mgd): 0.019

Detailed Project Description**Ashland Area Municipal Authority****SRBC Well Docket Renewal – Well 5****Butler Township, Schuylkill County, Pennsylvania**

Well 5 is an existing groundwater source located near the Ashland Reservoir, Butler Township, Schuylkill County, Pennsylvania. The groundwater withdrawal application for Well 5 requests a 30-day average withdrawal rate of 0.019 mgd (13 gallons per minute (gpm)) and a maximum instantaneous withdrawal rate of 400 gpm. The maximum 24-hour day withdrawal request is 0.56 mgd.

In 1993 the SRBC approved the groundwater withdrawal of up to 0.560 million gallons per day (mgd) from three existing groundwater wells (Wells 1, 3, and 5) under Docket Number 19931101. The Ashland Reservoir, a surface water source, is the main source for the Ashland Area Municipal Authority's (AAMA) treatment facility but Well 5 is commonly documented to be utilized in drought scenarios when the reservoir depletes below 60% capacity. The maximum 24-hour day withdrawal of 0.56 mgd was previously approved for the combination of Wells 1, 3, and 5, to serve as a secondary source in emergency situations. Wells 1 and 3 have not been documented as being used within the past ten (10) years, leading to their dockets not being renewed. Wells 1 and 3 will be applied for emergency use if a time becomes necessary when the groundwater needs are increased.

Groundwater from the docketed wells are used for a public supply water system. The well water is treated for human consumption in a water treatment facility and sold to customers. Wastewater from the facility and customers are treated and a significant portion of the treated water is discharged back to the Susquehanna River basin under an NPDES permit.

Well 5 has two purposes:

1. Supply supplemental groundwater to AAMA for public water supply use in times of drought, or times of need when the Ashland Reservoir cannot supply the proper amount needed.
2. Act as the sole secondary source for AAMA in times of need.

Step-drawdown tests were conducted on Wells 1, 3, and 5 in 1992 to conclude the combined rate of 0.56 mgd. AAMA's Water Allocation Permit identifies that a safe yield for Well 1 is 0 gpd, splitting the combined rate between Wells 1 and 3. Well 3 has not been documented as used in over 10 years. The requested withdrawal rate is based on the aquifer test results and documented well use.