



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 4 Renewal

SRBC Pending No.: 2018-118

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: Dillsburg Area Authority
Mailing Address Line 1: 98 West Church Street
Mailing Address Line 2:
City: Dillsburg
State: PA
ZIP Code: 17019-1230

Contact Person:

First Name: Sheldon
Last Name: Williams
Title: General Manager
Telephone: (717)-502-0431
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E-mail: sheldon@dillsburgareaauthority.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:
2034

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.419	0.524
Maximum Daily Water Demand :	0.519	0.655
System Capacity :	1.212	1.212

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24
Maximum Instantaneous Withdrawal Rate (gpm): 150
Maximum 24-Hour Day (mgd): 0.22
Maximum 30-Day Average (mgd): 0.22

DILLSBURG AREA AUTHORITY WELL #4 Groundwater Withdrawal Application

2.1 Project Facility Description

This project involves the renewal of the groundwater withdrawal permit for Dillsburg Area Authority (Authority) Well #4. The well was installed in 1982 and was permitted in 1989 at a 30-day average pumping rate of 0.22 million gallons per day (Mgd). The Authority is applying for an SRBC 15-year groundwater withdrawal permit renewal at the same withdrawal rate.

The Authority owns and operates a public water supply system and a public sewer system which provides water service to Dillsburg Borough and portions of both Carroll Township and Franklin Township. The municipal water authority was created in 1960 when the Dillsburg Borough Authority (now the Dillsburg Area Authority) acquired the assets of the former Dillsburg Water Company system which included seven springs, two wells (Well #1 and Well #2), an open reservoir, and a distribution system. The system was expanded in 1963 with the addition of Well #3, located on Greenhouse Road in Franklin Township. The system expanded in 1988 with the permitted addition of Well #4 and again in 1998 with the permitting of Well #5A, both wells located west of Dillsburg and within the watershed of Dogwood Run. The system was again expanded to meet growing demand of the service area in 2006 with the addition of Well #7, located about 1.8 miles northeast of the Borough of Dillsburg in the northern portion of Carroll Township, to serve the growing northeast section of the system where considerable commercial and residential development has occurred.

The Authority currently provides water to 2,217 metered connections and approximately 5,300 customers. Water supplying the public water supply system is drawn from five active groundwater supply wells. Well #2 was deactivated in 2008 when nearby Well #1 and Well #3 were permitted with the SRBC, due to inefficiencies caused by pumping interference with Well #1. The spring sources were also decommissioned due to their seasonal unreliability and need for additional water treatment. Well #1 and Well #3 are located in a sandstone aquifer in the upper portion of the Dogwood Run watershed while Well #4 and Well #5 are located in the Triassic-age limestone fanglomerate geologic unit in the middle section of the Dogwood Run watershed. Well #7 is situated in a carbonate bedrock aquifer in the main stem section of the Yellow Breeches Creek watershed. Wastewater is conveyed by the Authority wastewater system from the service area and processed through the Authority sewage treatment plant along Old Mill Road, where it is discharged into Dogwood Run immediately north of Dillsburg. The long-term owner and operator of Well #4 will continue to be the Authority, which will continue to provide potable public water to the regional water service area.