



SUSQUEHANNA RIVER BASIN COMMISSION

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Web <http://www.srbc.net>

Groundwater Withdrawal Application Summary

Source Name: Well 9

SRBC Pending No.: 2017-056

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: Dover Township

Mailing Address Line 1: 2840 West Canal Road

Mailing Address Line 2:

City: Dover

State: PA

ZIP Code: 17315

Contact Person:

First Name: Matthew

Last Name: Helwig

Title: Water Supervisor

Telephone: 717-292-3634

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E-mail: mhelwig@dovertownship.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:

2033

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.295	0.35
Maximum Daily Water Demand :	0.349	0.37
System Capacity :	0.374	0.374

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 22

Maximum Instantaneous Withdrawal Rate (gpm): 260

Maximum 24-Hour Day (mgd): 0.37

Maximum 30-Day Average (mgd): 0.35

2.1 Project Facility Description

Well #9 is utilized by Dover Township as a permanent supplemental water source to the Dover Township drinking water distribution system. The facility consists of a groundwater well source, disinfection, pump station, and transmission lines. Water withdrawn from Well #9 is disinfected and pumped directly into the Dover Township drinking water distribution system. In 1988 the SRBC approved the groundwater withdrawal of up to 0.37 million gallons per day from Well #9 under docket number 19880205. Well #9 has been in continuous operation since 1988. One of eight active groundwater sources, Well #9 is the highest producer of Dover Township wells and withdrawals over one quarter of the total groundwater supply used in the Dover Township water system.

Since 2001, Well #9 has produced a peak withdrawal of 0.349 million gallons per day (on June 16, 2008) and a maximum withdrawal over a 30-day period of 0.295 million gallons per day (during May 2014). On average, the withdrawal from Well #9 has seen an increase of 9,000 gallon per year over the past fifteen years. Dover Township expects that trend to continue as the water system continues to rely on one its best producing wells. The groundwater withdrawal application for Well #9 requests a 30-day average withdrawal rate of up to 0.350 million gallons per day and a maximum instantaneous withdrawal rate of 260 gallons per minute.

After initial construction of the well in 1987, a 48-hour aquifer test was conducted on Well #9 in October 1987 pursuant to the SRBC's aquifer test plan approval on September 16, 1987. The requested withdrawal rate is based on the initial aquifer test results, historic pumping records, recent operational pumping tests, groundwater availability within the Well #9 basin, and lack of potential impacts to neighboring users and resources.