



SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788
Phone (717) 238-0423 • Fax (717) 238-2436
Web <http://www.srbc.net>

Groundwater Withdrawal Application Summary

Source Name: Village Well

SRBC Pending No.: 2019-071

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: Shrewsbury Borough
Mailing Address Line 1: 35 West Railroad Avenue
Mailing Address Line 2:
City: Shrewsbury
State: PA
ZIP Code: 17361

Contact Person:

First Name: Brian
Last Name: Sweitzer
Title: Public Works Superintendent
Telephone: 717-235-1427
Fax: 717-227-0250
Mobile: 717-578-7169
E-mail: bsweitzer@shrewsburyborough.org

1.3 Existing and Projected Facility Water Use

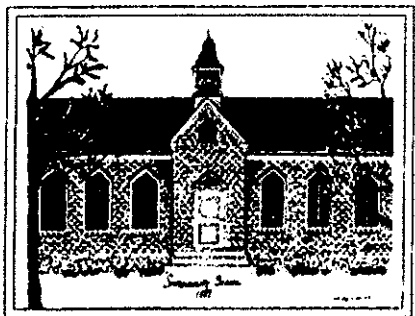
The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:
2034

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.386	0.619
Maximum Daily Water Demand :	0.472	0.756
System Capacity :	0.877	0.877

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24
Maximum Instantaneous Withdrawal Rate (gpm): 125
Maximum 24-Hour Day (mgd): 0.18
Maximum 30-Day Average (mgd): 0.18



SHREWSBURY BOROUGH

The Village Well is a groundwater source located Spirit Trust Retirement Village in Shrewsbury Township. The well was developed when the retirement community requested water from Shrewsbury Borough. The well was drilled in January 1988. The Village Well was permitted by the SRBC in 1990 (permit# 19900105). The groundwater withdrawal rate is 125 gallons per minute and a 30-day average withdrawal rate of 0.180 MGD. Shrewsbury Borough is requesting 0.180 MGD on the current application.

The Village Well pumps water into the Shrewsbury Borough Water System with initial pumping on May 1, 1996. The water is used for domestic water and fire protection. The water treatment occurs on site with Sodium Hypochlorite, Sodium Hydroxide, and a Polyphosphate (Dabcoat 22). The Shrewsbury water system is nine wells and four storage tanks with 1.352 MG of water storage.

The Shrewsbury Borough Water System supplies water to Shrewsbury Borough and Shrewsbury Township water customers. The area is growing rapidly with at least 53 new homes connecting to the water system in 2019 and 2020. The Borough Wells are spaced out throughout Shrewsbury Borough and Shrewsbury Township encompassing different drainage basins spread throughout the two municipalities. The Village Well has the second highest instantaneous output of the nine Shrewsbury Borough wells.

The original pump step test was conducted in January 1988 by Kohl Brothers, Inc. The step test determined water exists at 125 gallons per minute for long term safe yield and 175 gallons per minute for two days during the test. The Village Well's output is 125 GPM and a 72-hour pump test was performed in June of 2019 to determine drawdown at the Village and Home Wells. Both wells are located in the Spirit Trust Retirement Village. The pump test results are included with the Waiver. The Village Well water level remained constant throughout the test with no drawdown at the Home Well.