



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: SMA Well 3

SRBC Pending No.: 2021-022

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: Selinsgrove Borough
Mailing Address Line 1: 1 North High Street
Mailing Address Line 2:
City: Selinsgrove
State: PA
ZIP Code: 17870

Contact Person:

First Name: Lauren
Last Name: Martz
Title: Borough Secretary/Manager
Telephone: 570-374-2311
Fax: 570-374-8902
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E-mail: lmartz@selinsgrove.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:
2036

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.524	1.005
Maximum Daily Water Demand :	0.6	1.008
System Capacity :	1.008	1.008

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 18
Maximum Instantaneous Withdrawal Rate (gpm): 370
Maximum 24-Hour Day (mgd): 0.533
Maximum 30-Day Average (mgd): 0.465

2.1 Project Facility Description – Selinsgrove Municipal Authority Well 3

The Selinsgrove Municipal Authority (SMA) owns and operates a public water system that supplies water to the Borough of Selinsgrove and a portion of Penn Township in Snyder County, Pennsylvania. The water system includes four active wells (Wells 1, 2, 3, and 4) that provide water to approximately 6,000 persons. SMA has SRBC docket approval for a fifth well, Well 5, but this well has never been used. Water use by the SMA system includes domestic customers, Selinsgrove Area School District, Susquehanna University, commercial and industrial customers, and bulk sales to Penn Township Municipal Authority.

The maximum 30-day average water demand of the total system from 2017 through June 2019 was 0.524 mgd and the peak day demand was 0.600 mgd (December 26, 2019). SMA projections for the next 15 years include a maximum 30-day average water demand of 1.005 mgd and a peak day demand of 1.008 mgd. These projections are based on assumed increases in bulk water purchases by Penn Township Municipal Authority.

SMA provides chlorination and fluoridation treatment for each of the supply wells. SMA stores treated water from Wells 1 and 2 in a 1.5-million gallon covered in-ground reservoir. Treated water from Wells 3 and 4 is stored in an above-ground 760,000-gallon storage tank. Water from the storage tank can be transferred to the reservoir through an interconnection, but the reservoir cannot fill the storage tank. Water level controls in the reservoir and storage tank automatically control the cycling of the pumps in the wells unless the pumps are manually turned off or on. Wastewater from the Selinsgrove area is treated at the Eastern Snyder County Regional Authority Plant.

Well 3 was drilled in June 1983 as an eight-inch diameter open rock well. The well is 402 feet deep and cased to 138 feet below the ground surface (bgs). The shallowest water bearing zone in the open borehole is at 160 feet bgs. The major water bearing zone in Well 3 occurs between 286 feet and 311 feet bgs with a blown yield of 400 gpm. When not being pumped, Well 3 flows artesian. The pump intake in Well 3 is at 216 feet bgs.