



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** McCoy Well #1

**SRBC Pending No.:** 2021-027

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: The Municipal Authority of the Borough of Lewistown

Mailing Address Line 1: 70 Chestnut Street

Mailing Address Line 2:

City: Lewistown

State: PA

ZIP Code: 17044

Contact Person:

First Name: Craig

Last Name: Bubb

Title: Executive Director

Telephone: 717-248-0165

Fax: 717-248-0167

Mobile:

**E-mail:** [cabubb@hotmail.com](mailto:cabubb@hotmail.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:

2040

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	2.947	3.676
Maximum Daily Water Demand :	3.848	4.8
System Capacity :	5.444	5.444

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 8

Maximum Instantaneous Withdrawal Rate (gpm): 535

Maximum 24-Hour Day (mgd): 0.77

Maximum 30-Day Average (mgd): 0.77

# AQUALITH TECHNOLOGIES, LLC

## Project Facility Description

### Municipal Authority of the Borough of Lewistown McCoy Well No. 1

The facility name is McCoy Well No. 1, a public water supply well which is owned and operated by the Municipal Authority of the Borough of Lewistown (MABL). MABL also owns and operates the following additional water sources: Milroy Well, McCoy Well No. 2, and Laurel Creek Reservoir. McCoy Well No. 1 will continue to be used as a public water supply well as part of MABL's water supply system, with a desired permitted use of 770,400 gallons per day (535 gallons per minute). The overall MABL water supply system has a designed capacity of 6.0 million gallons per day, with available water storage capacity of 4.019 million gallons via six water storage tanks located throughout their service area. MABL's Laurel Creek Reservoir is permitted at 3.5 million gallons per day and is capable of supplying average daily demands, which meets current average daily demands but not peak daily demands. The three groundwater supply sources are needed for the following reasons:

- 1) To supplement the reservoir source in order to meet peak demands,
- 2) Provide additional supply during drought periods, and
- 3) Provide system redundancy if the reservoir source went off line.

A 72-hour, constant-rate aquifer test was conducted on McCoy Well No. 1 by pumping at an average pumping rate of 550.7 gallons per minute in September 2020 pursuant to the SRBC's aquifer test plan approval letter dated June 18, 2020. A hydrogeologic report has been prepared to summarize the results of this testing, which is included as part of the groundwater withdrawal application. The requested withdrawal rate is based on the aquifer test results, groundwater availability, minimal drawdown impacts, lack of induced stream flow loss, and the need to supplement the Laurel Creek Reservoir to meet peak demands and provide necessary system redundancy.

