



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Mount Union Municipal Authority -
Lempkelde Well

SRBC Pending No.: 2021-105

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: Mount Union Municipal Authority
Mailing Address Line 1: 9 West Market Street
Mailing Address Line 2: P. O. Box 90
City: Mount Union
State: PA
ZIP Code: 17066

Contact Person:

First Name: Phil
Last Name: Stewart
Title: Senior Water System/Water Treatment Operator
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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 : | 0.626 | 0.65 |
| Maximum Daily Water Demand : | 0.978 | 1 |
| System Capacity : | 1.686 | 1.686 |

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 10
Maximum Instantaneous Withdrawal Rate (gpm): 300
Maximum 24-Hour Day (mgd): 0.432
Maximum 30-Day Average (mgd): 0.432



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FACILITY DESCRIPTION LEMPKELDE WELL MOUNT UNION MUNICIPAL AUTHORITY

The Mount Union Municipal Authority water system currently serves approximately 2,400 residential, commercial, institutional and industrial users. The Mount Union Municipal Authority's public water service area includes all of Mount Union Borough, and parts of Shirley Township (Allenport, Route 522, Hill Valley, and Licking Creek Areas) in Huntingdon County; and all of Kistler Borough and Newton-Hamilton Borough and parts of Wayne Township (Cedar Crest, Country Club Drive, Kistler Road, Lucy Furnace, Silverford Heights, and Campground/Shaversville Areas) in Mifflin County. The number of customers served does not include individual customers in Newton-Hamilton Borough or in the Campground Area of Wayne Township, which are billed as bulk customers. Approximately an additional one hundred fifty (150) and seventy-five (75) customers each are served in Newton-Hamilton Borough and Wayne Township, respectively.

These customers require an average water supply of 505,000 gallons/day (2016-2020 5-yr average), with peak usages as high as 978,000 gallons/day. The system is fed primarily by three public wells, each capable of and permitted for a withdrawal of 300 gallons per minute or 432,000 gallons a day. These sources include the Industrial Park Wells (Wells #1 and #2) and the Lempkelde Well (Well #3). In addition to the groundwater wells, the system contains a surface water source in Singers Gap Reservoir. This source serves approximately 100 homes in the Hill Valley area of Shirley Township, Huntingdon County. The Authority system also contains two well treatment facilities, one filtration treatment plant, three finished water storage tanks, a pressure reducing station, and a water booster station. The Mount Union Municipal Authority is the current and anticipated long-term owner and operator of the system and its facilities.

The Lempkelde Well is the subject of this particular application. The facility includes the well itself, a block treatment building that houses pump controls and disinfection equipment, approximately 800 feet of 6" and 20" ductile iron pipe, security fencing and an access road. Operation of the Lempkelde Well began in June 2011.

The original intent of the facility was to provide a third water source capable of providing water necessary for the system while allowing for adequate redundancy. With the Lempkelde Well, the Authority has the ability to shut down any one of the well sources to perform repairs and regular maintenance, without interrupting service to customers.

The purpose of this Groundwater Withdrawal Application is the regular 15-year renewal of the Commission's authorizing docket. No changes in well operation or capacity are proposed.