



# 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:** Terrace Rd Well

**SRBC Pending No.:** 2019-088

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: Town of Cortlandville  
Mailing Address Line 1: 3577 Terrace Road  
Mailing Address Line 2:  
City: Cortland  
State: PA  
ZIP Code: 13045

### Contact Person:

First Name: Pete  
Last Name: Alteri  
Title: Chief Water/Sewer Operator  
Telephone: 607-756-9637  
Fax:  
Mobile:  
**E-mail:** [palteri@cortlandville.org](mailto:palteri@cortlandville.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 :	0.815	1.3
Maximum Daily Water Demand :	1.506	1.3
System Capacity :	1	1.3

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 18  
Maximum Instantaneous Withdrawal Rate (gpm): 700  
Maximum 24-Hour Day (mgd): 1.506  
Maximum 30-Day Average (mgd): 1.3

## **2.1 - TERRACE RD - DETAILED PROJECT DESCRIPTION**

The Terrace Rd well is an existing groundwater source owned by the Town of Cortlandville, Cortland County, New York (the Site). Groundwater withdrawn from this well is distributed through the Town of Cortlandville municipal water supply system which is administered by the Town of Cortlandville Water and Sewer Department. The town supply system serves residential, commercial and industrial customers.

The water supply system is also supplied by the Lime Hollow Wellfield which consists of groundwater withdrawal wells Lime Hollow #2 and Lime Hollow #7 located on Lime Hollow Rd. Under the current operational protocol, each well is pumped singly on alternating days. However, the requested withdrawal amounts give the ability for any one well to supply the entire system at times when well maintenance or pump maintenance is required. Additionally, the system has interconnections with neighboring communities that allow for supply to, or with modifications, from those supply systems.

The groundwater withdrawal application for Terrace Rd requests a 30-day average withdrawal rate of 1.300 million gallons per day (mgd) with a maximum instantaneous withdrawal rate of 1,400 gpm. It is noted that the current pump in this well is only capable of a sustained 700 gpm, which produces 1.0 mgd. The additional capacity is requested to allow for this well to be permitted to produce the maximum system capacity requested, should a new pump be installed. The water supply system as a whole, including the Lime Hollow wells would be capable of producing 1.3 mgd.

As noted, the Terrace Rd well is not currently permitted by the SRBC.

Water demand is highest during the summer and early fall, during which peak and 30-day average demand approaches the current total system withdrawal limit. The 0.300-mgd total system increase is needed for a forecast increase in demand from both increased population growth and potential commercial and/or industrial expansion. The system currently operates near its total system withdrawal limit during the high demand season. The total system increase is also justified to allow for additional anticipated demand growth over the 15-year timeframe of the Terrace Rd SRBC docket.

A 72-hour aquifer pump test was performed beginning on August 1<sup>st</sup>, 2019 and lasting until August 4<sup>th</sup>, 2019 on the Terrace Rd well with an average pumping rate of approximately 700 gpm. The results of this pump test are summarized in a hydrogeologic report elsewhere in this permit application. The requested withdrawal rate is based on aquifer test results, groundwater availability of the Terrace Rd recharge area and lack of potential impacts to other users and resources.