



## SUSQUEHANNA RIVER BASIN COMMISSION

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Web <http://www.srbc.net>

### Consumptive Use Application Summary

**Source Name:** Geisinger Medical Center

**SRBC Pending No.:** 2020-162

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

#### 1.0 Application Background

This section requests pertinent information related to the application that is being submitted.

#### 1.1 Project Sponsor

Company Name: Geisinger Medical Center  
Mailing Address Line 1: 100 North Academy Ave  
Mailing Address Line 2:  
City: Danville  
State: PA  
ZIP Code: 17821

#### Contact Person:

First Name: Douglas  
Last Name: Grubb  
Title: Facilities Ops Sr. Dir.  
Telephone: (570) 271-6931  
Fax:  
Mobile: (570) 849-6167  
**E-mail:** [dgrubb1@geisinger.edu](mailto:dgrubb1@geisinger.edu)

#### 1.4 Requested Consumptive Use Quantity:

The consumptive use should be entered in million gallons per day (mgd) and rounded up to the nearest one thousand gallons (three decimal places). For multiple sources, provide the total quantity for existing and proposed consumptive use, as applicable.

##### 1.4.1 Projected Design Year:

2021

##### 1.4.2 Existing Consumptive Use

0.2(mgd)

##### 1.4.3 Projected Consumptive Use

0.4999(mgd)

#### 2.3 Facility Location

Please enter the address of the parcel where the Project Facility is located.

Street Address: 100 North Academy Ave  
State: PA  
County: Montour  
Municipality: Mahoning Township  
Zip Code: 17822

GEISINGER MEDICAL CENTER  
CONSUMPTIVE USE RENEWAL FOR DOCKET No. 19910103  
05/29/2020

RE: FACILITY DESCRIPTION: CONSUMPTIVE USE APPLICATION RENEWAL NARRATIVE

To Whom It May Concern:

Geisinger Medical Center (Est 1915) is a 460 acre, 3 million SF Hospital complex and healthcare support facilities campus in Danville, PA. Permitted Consumptive Use of 0.499 mgd was granted by SRBC in 2016 as a result of a previous CU exceedance and subsequent modification request. Geisinger requested the limit be upgraded to 499,999 gpd due to empirical level of CU and the anticipated major building expansion that is now beginning at GMC. The major drivers of CU are cooling towers and boilers and will continue to be in the coming healthcare expansions.

The facility purchases potable from the Danville Water Authority, withdraws water from a mine adit (for cooling towers only), and onsite Department of Environment Protection permitted deep well #3. Water conservation has steadily improved on the campus for 20 years through the use of advanced improvements in air-cooled infrastructure such as medical air compressors, medical vacuum pumps, water saving plumbing fixtures and a move away from excessively large kitchen function washers.

There are 3 centralized chiller plants with associated cooling towers and 5 other water-cooled equipment and cooling tower systems across the campus. The total water cooled tonnage capacity is approximately 8000 tons. Heating, sterilization and humidification are provided to the main hospital complex from a central boiler plant housing 5 boilers with a total capacity of approximately 105,000 lbs/hr steam production. All boiler and cooling towers makeup water is metered according to DEP and SRBC requirements. Wastewater discharges to the Danville Sewer Authority.