



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>

ABR(e) Application Consumptive Use from Public Water Supply New/Renewal Application Project Summary

SRBC Pending No.: 2024-020

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

Project Sponsor

Company Name: Penn State Health Holy Spirit
Address: 503 North 21st Street

State: PA

City: Camp Hill

Zip Code: 17011

Contact Person: James Tesche

Title:

Telephone: (717) 972-7302

Fax:

Mobile: (717) 903-1784

Email: jtesche1@pennstatehealth.psu.edu

Facility Location

Street Address: 503 N 21st St

State: PA

County: Cumberland

Municipality: Camp Hill Borough

Zip Code: 17011

Public Water Supply Information

System: Pennsylvania-American Water Company

Address:

City:

State:

Zip Code:

State System ID No: PA7210029

Requested Consumptive Use Quantity

Project Design Year: 2024

Projected Consumptive Use: 0.207 (mgd)

Penn State Health Holy Spirit Medical Center Consumptive Use Application Project Description – Section 2.1

Penn State Health (PSH) Penn State Medical Center is submitting this consumptive use application to the Susquehanna River Basin Commission (SRBC) under the Approval by Rule (ABR(e)) for consumptive use – non-gas – sourced by public water supply, stormwater, wastewater, and/or other reused/recycled water application process. The application is requesting a consumptive use amount of 0.207 million gallons per day (mgd).

Holy Spirit Medical Center consists of a community hospital located at 503 N 21st Street, Camp Hill Borough, Cumberland County. The Sisters of Christian Charity established Holy Spirit Hospital in 1963. In 1972, Holy Spirit Hospital opened a community mental health center, offering inpatient psychiatric care. Four years later, it opened a family health center in Dillsburg, the first of dozens of Holy Spirit outpatient practices in Cumberland, Dauphin, Perry and Northern York counties. In 2003, Holy Spirit completed the Ortenzio Heart Center, specializing in the diagnosis and treatment of heart problems. Holy Spirit Health System signed a letter of intent with Geisinger Health System in 2013 and became Geisinger Holy Spirit in 2014. After joining Penn State Health in 2020, it was then renamed Penn State Health Holy Spirit Medical Center.

The hospital operates 24 hours per day, 7 days per week. Services provided, include outpatient and inpatient diagnostic, medical and surgical services. These services fall under the North American Industry Classification System (NAICS) Code 622110, for General Medical & Surgical Hospitals. The hospital contains 307-beds, a Level II Trauma Center, an emergency department, physician offices, various specialty inpatient services, imaging and lab services and complete medical and surgical capabilities.

Holy Spirit Medical Center is served public water through Pennsylvania American Mechanicsburg System. Water supply to the site is via two service connections as designated by Pennsylvania-American Water Company. Per the Supplier Agreement Letter Pennsylvania-American Water Company has agreed to provide up to 1.4 million gallons per day (mgd) of finished water to the facility.

Consumptive uses at the facility consist of operations associated with the building heating and cooling systems. These systems include: a chilled water system for cooling; a steam system for humidification and heating along with disinfection / sterilization of medical equipment, and a closed loop hot water system for heating. The consumptive losses from these systems would include evaporative loss across the cooling towers associated with the chilled water system, steam loss from the steam systems via venting and ancillary uses of the steam for disinfection / sterilization and building humidification, and hot water loss via the venting of air from the system. (It should be noted that the hot water system is a closed loop system and losses are anticipated to be negligible).

Current equipment associated with these systems includes: three crossflow cooling towers manufactured to cool 4,339 US gallons per minute (USPGM) of water and four 999 MBtu/hr steam boilers.

The total consumptive loss in this current state is estimated to be 188,097.87 gallons per day (gpd). Per the above the PSH Holy Spirit medical Center is submitting this application requesting a consumptive use amount of 0.207 mgd (0.188 mgd plus 10%).