



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Grantham Well 2

SRBC Pending No.: 2020-036

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: SUEZ Water Pennsylvania, Inc.
Mailing Address Line 1: 6310 Allentown Blvd., Suite 104
Mailing Address Line 2:
City: Harrisburg
State: PA
ZIP Code: 17112

Contact Person:

First Name: Mark
Last Name: Baker
Title: Sr. Project Engineer
Telephone: 717-901-6326
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Mobile:
E-mail: mark.baker@suez.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:
2035

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.333	0.395
Maximum Daily Water Demand :	0.651	0.734
System Capacity :	0.736	0.736

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 20
Maximum Instantaneous Withdrawal Rate (gpm): 315
Maximum 24-Hour Day (mgd): 0.41
Maximum 30-Day Average (mgd): 0.395

2.2 Facility Location

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

Street Address: RR Hemlock Road
State: PA
County: Cumberland
Municipality: Upper Allen Township
Zip Code: 17027
Subbasin: Lower Susquehanna

2.1 Project Facility Description - SUEZ Grantham System, Grantham Well #2

SUEZ Water Pennsylvania, Inc. (SUEZ) owns and operates a public water supply system (System or Grantham System) in the community of Grantham, Cumberland County, Pennsylvania. The Grantham System includes two existing sources (Wells #1 and #2). Due to expiration of the current SRBC approval, SUEZ is requesting a renewal of Well #2 for a 30-day average withdrawal of 0.395 million gallons per day (gpd) and a maximum instantaneous withdrawal rate of 315 gallons per minute (gpm). The current approval issued by SRBC in 1990 allows for withdrawal by Well #2 of a 30-day average of 0.400 mgd.

Potable water from the Grantham System has been utilized in the Grantham community since 1960. The majority of water usage from the Grantham System is by Messiah College. Usage also includes domestic use for households, churches, and businesses. These usages are planned to continue for the 15-year duration of the docket approval. Well #2 was installed in 1990 to replace a spring used for water supply and to supplement water produced by Well #1, which was installed in 1974. Due to its higher yield, Well #2 provides the majority of water for the System. During static non-pumping periods, artesian conditions periodically occur at one or both of the wells.

Well #2 was tested for over 51 hours in August 1990 by completion of a long-term aquifer test in support of the original SRBC withdrawal application. Additional operational testing was performed in October 2019 for approximately seven days. The testing results, along with historical usage records, indicate that Well #2 can be operated at the requested rate without causing long-term adverse impacts to the ground water supply, other water users, or to the environment. SUEZ tests and monitors its water supplies, including monitoring of daily withdrawal quantities and ground water levels, to comply with requirements by SRBC and Pennsylvania Department of Environmental Protection.

SUEZ maintains one water storage tank with a storage capacity of 500,000 gallons and does not utilize any surface water impoundments for storage for the Grantham system. Interconnections with the SUEZ Mechanicsburg water system and the SUEZ Center Square water system also provide backup sources of water for the Grantham System in case of emergency.