



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** SWPA Eden Well

**SRBC Pending No.:** 2020-157

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  
Mailing Address Line 1: 4405 N 6th St  
Mailing Address Line 2:  
City: Harrisburg  
State: PA  
ZIP Code: 17111

### Contact Person:

First Name: Chad  
Last Name: Bingaman  
Title: Production Superintendent  
Telephone: 717-232-6207  
Fax:  
Mobile:  
**E-mail:** [chad.bingaman@suez.com](mailto:chad.bingaman@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:  
2036

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.582	0.68
Maximum Daily Water Demand :	0.683	0.804
System Capacity :	1.128	1.128

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24  
Maximum Instantaneous Withdrawal Rate (gpm): 30  
Maximum 24-Hour Day (mgd): 0.043  
Maximum 30-Day Average (mgd): 0.043

### 2.2 Facility Location

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

Street Address: Eden Road near intersection with Birdie Lane

State: PA

County: York

Municipality: Newberry Township

Zip Code: 17319

Subbasin: Lower Susquehanna

## **2.1 Project Facility Description**

### **SUEZ Eden Well (Newberry Operation)**

SUEZ Water Pennsylvania, Inc. (SUEZ) owns and operates a public water supply system (System or Newberry Operation) in Newberry Township, York County, Pennsylvania. The majority of water usage from the Newberry Operation is for domestic use. Other uses also include industrial, institutional and commercial properties. These usages are planned to continue for the 15-year duration of the requested docket approval. The Newberry Operation includes ten wells with three interconnected subsystems. Eden Well operates with Conley Wells 1 and 2, and the DuPont and Coppersmith wells to make up the Newberry Subsystem. The Eden Well is the lowest yielding well in the Newberry Operation.

Due to expiration of the current SRBC approval, SUEZ is requesting a renewal of the Eden Well for a 30-day average withdrawal of 0.043 million gallons per day (mgd) and a maximum instantaneous withdrawal rate of 30 gallons per minute (gpm). The current approval issued by SRBC in 1991 allows for withdrawal by the Eden Well of a 30-day average of 0.043 mgd. SUEZ is not requesting an increase for the renewal application.

The Eden Well was installed in June 1990 to replace an original well located on the same property whose yield had declined from 60 gpm to 20 gpm. Withdrawals have occurred from the property since 1969. The Eden Well pumps water to the Eden Well Station, also located on the property, which consists of the Eden Well meter, contact piping between the physical well and the well building, a clearwell under the well building, and high service pumps which pump out of the clearwell into the distribution system through a distribution meter. SUEZ maintains three water storage tanks in Newberry Township with a total storage capacity of 1,166,000 gallons. SUEZ does not utilize any surface water impoundments for storage for the Newberry Operation.

The Eden Well is eight inches in diameter and 615 feet deep. The well penetrates shale, mudstone, and sandstone of the Gettysburg Formation. The major water bearing zone is between 410 and 412 feet deep. The well yield and drawdown were tested in July 1990 to support the original SRBC withdrawal application. A 48-hour pumping test was performed using pumping rates of between 40 and 57 gpm and the results indicated a specific capacity of 0.1 gpm per foot of drawdown. The deep water-bearing zones and the confined nature of the aquifer suggest that surface water features are unaffected by the operation of the Eden Well.