



# SUSQUEHANNA RIVER BASIN COMMISSION

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## Groundwater Withdrawal Application Summary

**Source Name:** MDT well 6 GW

**SRBC Pending No.:** 2022-005

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/Borough of Middletown  
Mailing Address Line 1: 453 South Lawrence Street  
Mailing Address Line 2:  
City: Middletown  
State: PA  
ZIP Code: 17057

#### Contact Person:

First Name: Kodi  
Last Name: Webb  
Title: Project Manager  
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**E-mail:** Kodi.Webb@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:  
2037

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	1.303	1.59
Maximum Daily Water Demand :	1.636	2
System Capacity :	1.401	1.401

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 6  
Maximum Instantaneous Withdrawal Rate (gpm): 850  
Maximum 24-Hour Day (mgd): 1.07  
Maximum 30-Day Average (mgd): 1.07

### **1.3.3 Project Facility Description**

Well 6 is an existing groundwater source that is one of six wells owned by the Middletown Water System (Facility), Middletown Borough, Dauphin County PA. The water system is operated by Suez Middletown this project's sponsor, under a long term agreement beginning in January 2015.

The water system serves approximately 10,000 people in the Boroughs of Middletown and Royalton and a portion of Lower Swatara Township, Dauphin County, Pennsylvania. All water is provided by six wells located throughout the Borough of Middletown. These wells feed directly to the distribution system and are sized to fill the Union Street, High Street and Turnpike Storage Tanks. Each well is equipped with either a vertical turbine or submersible well pump.

The docket for Well 6 is pending renewal and the basis for this application which requests a renewal of the 30-day average withdrawal rate of 1.07 MGD (743 gpm). This rate is based on projections made in the 1988 pumping test report prepared by Richard E. Wright and Associates, Inc. (REWAI, 1988) and supported by recent water level monitoring and pumping rate data. Well 6 has operated for 26 years and without any observed or reported adverse impacts. Suez Middletown requests that the permitted 30-day average pumping rate for Well 6 remain at the currently approved 1.07 MGD.

The daily system demand over the last 10 years has been a relatively consistent 0.8 to 0.9 MGD. Well 6 along with Wells 1 and 2 provide much of the daily system demand as shown in the graph below. In that role, Well 6 serves as a primary source when the other wells are taken out of service for repair. This was critical to maintaining system capacity in 2011 when Tropical Storm Lee flooded Wells 1 and 2.