



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 7

SRBC Pending No.: 2019-042

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: Duncannon Borough
Mailing Address Line 1: 428 N. High Street
Mailing Address Line 2:
City: Duncannon
State: PA
ZIP Code: 17020

Contact Person:

First Name: Robert
Last Name: Kroboth
Title: Finance Director
Telephone: 7178344311
Fax: 7178349002
Mobile:
E-mail: finance@duncannonboro.org

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:
2028

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.143	0.143
Maximum Daily Water Demand :	0.247	0.247
System Capacity :	0.36	0.397

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24
Maximum Instantaneous Withdrawal Rate (gpm): 26
Maximum 24-Hour Day (mgd): 0.037
Maximum 30-Day Average (mgd): 0.037

2.1 PROJECT FACILITY DESCRIPTION

- A. **Site/Facility Name:** Duncannon Borough Water System
- B. **Anticipated long-term owner and operator, if different:** Duncannon Borough
- C. **Type of Facility:** Public water supply system with four active wells, a 320,000-gallon treated water standpipe, and a 550,000-gallon covered water reservoir.
- D. **Purpose of the withdrawal:** The current capacity of the system with all the wells is 230 gpm or 331,000 gpd (0.331 mgd). Well 7 is expected to add 26 gpm (0.037 mgd) to the system capacity for a projected capacity of 0.368 mgd. However, groundwater capacity should be sufficient to meet average day demands with the largest well out of service. With the largest well out of service (Well 5 or 2 at 75 gpm), the projected firm capacity will be 0.266 mgd. Since Well 2 is not considered a reliable, long term source for the Borough, Well 7 is needed to ensure firm capacity if Well 5 is out of service. The projected demand is expected to stay the same over the next 10 years with little increase in population and water savings from proposed improvements to the water system.
- E. **Description of site activities:** Well 7 is part of a system upgrade including a new booster station to pump water from a covered reservoir to the borough system. Existing Well 5 and proposed Well 7 will supply treated water to the reservoir.
- F. **The requested quantity of the water to be withdrawn:** The groundwater withdrawal application for Well 7 requests a maximum 30-day average withdrawal rate of 0.037 mgd (26 gpm) and a maximum instantaneous withdrawal rate of 26 gpm.
- G. **Provide the date operations began at the site or are anticipated to begin:** Summer of 2020.