



SUSQUEHANNA RIVER BASIN COMMISSION

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Groundwater Withdrawal Application Summary

Source Name: Well 6

SRBC Pending No.: 2023-017

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: East Berlin Area Joint Authority
Mailing Address Line 1: 103 Locust Street
Mailing Address Line 2: P. O. Box 37
City: East Berlin
State: PA
ZIP Code: 17316

Contact Person:

First Name: Nathan
Last Name: Boyer
Title: Plant Manager
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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:
2023

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.035	0.044
Maximum Daily Water Demand :	0.047	0.05
System Capacity :	0.1	0.13

1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 6
Maximum Instantaneous Withdrawal Rate (gpm): 100
Maximum 24-Hour Day (mgd): 0.13
Maximum 30-Day Average (mgd): 0.13

PROJECT DESCRIPTION

Well 6 is an existing groundwater source located in Hamilton Township, Adams County, Pennsylvania. The Well is owned and operated by the East Berlin Area Joint Authority, the local municipal authority for the water and wastewater system. The purpose of the withdrawal is to provide safe drinking water to the citizens of the East Berlin borough.

The groundwater withdrawal application for Well 6 requests a 30-day average withdrawal rate of 0.130 mgd and a maximum instantaneous withdrawal rate of 100 gpm. The groundwater withdrawal application requests that the total system limit for the facility's sources remain the same.

In **2008** the SRBC approved the groundwater withdrawal of up to **0.130** million gallons per day (mgd) from Well #6 (formerly TW-1) under docket number **Docket #20080950**.

Water demand is highest during spring / summer with a peak 30 day average demand of .036. The well has not yet approached the current total system withdrawal limit. Historically, withdrawals have never been significantly reduced. Daily usage remains the same regardless of the day of the week.

The well water supplies safe drinking water to residents of the East Berlin borough. Wastewater is treated at the facility and a significant portion of the treated water is discharged back to the Susquehanna River basin under a NPDES permit.

Well 6 is needed to support the existing four wells by removing the burden of providing fresh water to the town on their own.

A 48-hour aquifer test was conducted on Well 6 from May 22 - May 24, 2006, pumping at a rate of 99.3 gpm. Commission approval of the proposed testing procedures was provided in a letter dated April 27, 2006. A hydrogeologic report has been prepared to summarize the results of this testing. The requested withdrawal rate remains unchanged per consistent operational data and historical testing data.