

# SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788 Phone (717) 238-0423 • Fax (717) 238-2436 Web http://www.srbc.net

# Groundwater Withdrawal Application Summary

**Source Name:** CBMA WELL 2

## SRBC Pending No.: 2017-067

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:Carrolltown Borough Municipal AuthorityMailing Address Line 1:140 East CarrollMailing Address Line 2:CarrolltownCity:CarrolltownState:PAZIP Code:15722

#### Contact Person:

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Last Name:	Batdorf
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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:

2042

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Wa Demand :	ater 0.125	0.228
Maximum Daily Water Demand :	0.262	0.588
System Capacity :	0.5	0.588
1.4 Requested Withdrawal Amo	ount:	
Estimated Daily Hours of Operati	on per Day (Ex. = 5): 24	
Maximum Instantaneous Withdra	wal Rate (gpm): 140	
Maximum 24-Hour Day (mgd):	0.194	
Maximum 30-Day Average (mgd	): 0.194	

## **2.2 Facility Location**

Please enter the address of the parcel where the Project Facility is located.Street Address:Link RdState:PACounty:CambriaMunicipality:Carrolltown BoroughZip Code:15722Subbasin:West Branch Susquehanna

# 2.1 Detailed Project Description

The Carrolltown Borough Municipal Authority (CBMA) operates a public water system in northern Cambria County, Pennsylvania, which serves Carrolltown Borough and surrounding portions of East and West Carroll Towships. The CBMA derives their water supply from a well field lying in the Bender Run valley approximately one mile east of Carrolltown Borough. The CBMA well field is composed of three production wells identified as Wells #1, #2 and #3. All three of these wells are equipped with pumping systems having a capacity approaching 135 gallons per minute (gpm). At the present time, the wells are operated simultaneously for a period approaching six hours per day.

Wells #1 and #2 were both approved for use at 0.180 million gallons per day (mgd) in Susquehanna River Basin Commission (SRBC) Docket 19870901. Well #3 was approved for use at 0.187 mgd in SRBC Docket 20010201, which also caps CBMA's total well field withdrawal at 0.236 mgd. The CBMA water service area is sewered, and the water produced by the well field is returned to the Susquehanna River basin at a sewer plant discharge lying in Carrolltown Borough.

In 2014, with the support of the Pennsylvania Department of Environmental Protection (PADEP), the CBMA agreed to supply the Northern Cambria Municipal Authority (NCMA) up to 0.30 mgd. To comply with this agreement, the CBMA will have to increase the capacity of their well field.

From July to September of 2017, Casselberry & Associates (C&A) conducted a series of operational pumping tests to evaluate the sustained yield of CBMA Wells #1, #2 and #3. This work included running individual 72-hour drawdown tests with collection of data at 13 observation wells and 15 surface-water stations. Based upon the 2017 pumping test results, the CBMA is requesting that the SRBC increase the 30-day average withdrawal limits for Wells #1 and #2 from 0.180 mgd to 0.194 mgd, and also requests that the SRBC increase the 30-day average well field withdrawal cap from 0.236 to 0.389 mgd.