



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>

Consumptive Use Application Summary

Source Name: CWA CU Application

SRBC Pending No.: 2019-058

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

1.0 Application Background

This section requests pertinent information related to the application that is being submitted.

1.1 Project Sponsor

Company Name: Chester Water Authority

Mailing Address Line 1: 415 Welsh Street

Mailing Address Line 2: PO Box 467

City: Chester

State: PA

ZIP Code: 19013

Contact Person:

First Name: Brian

Last Name: MacEwen

Title: Director of Engineering

Telephone: 6108768185 x 1218

Fax: 6108762501

Mobile: 6103228803

E-mail: bpmacewen@chesterwater.com

1.4 Requested Consumptive Use Quantity:

The consumptive use should be entered in million gallons per day (mgd) and rounded up to the nearest one thousand gallons (three decimal places).

1.4.1 Projected Design Year:

2038

1.4.2 Existing Consumptive Use

6.63(mgd)

1.4.3 Projected Consumptive Use

60.0(mgd)

Chester Water Authority owns and operates the Octoraro Water Treatment Plant (WTP) . The facility withdraws water from the Octoraro Reservoir and the Susquehanna River. The facility treats both surface waters to provide drinking water to about 200,000 persons in Southern Chester County, Delaware County, Town of Rising Sun, Maryland and Artesian and Suez customers in Northern Delaware as well as providing drinking water for the WTP facility.

2.1 Project Facility Description

Chester Water Authority (CWA) owns and operates the Octoraro Water Treatment Plant (WTP). The facility withdraws water from the Octoraro Reservoir and the Susquehanna River. The WTP has a capacity of 60 million gallons per day and treats both surface water sources to provide drinking water to approximately 200,000 persons in Southern Chester County, Western Delaware County, the Town of Rising Sun, Maryland, and Artesian Water Company and Suez customers in Northern Delaware. The CWA also provides potable water through metered interconnections with Oxford Borough, London Grove Township Municipal Authority, Kennett Square Borough, and Aqua Pennsylvania. The treated water is distributed to CWA customers through a transmission and distribution network that has approximately 680 miles of water main, 18 storage tanks, and 22 booster stations. As indicated on the Service Area map, the customer service area is both in the Susquehanna River basin and the Delaware River basin.