



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>

Surface Water Withdrawal Application Cowanesque Project Summary

SRBC Pending No.: 2022-097

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

Project Sponsor

Company Name: Seneca Resources Company, LLC

Address: 51 Zents Boulevard

State: PA

City: Brookville

Zip Code: 15825-2701

Contact Person: Barbara Reinard

Title: Coordinator III, Environmental

Telephone: (814) 220-1511

Fax: (814) 849-4795

Mobile: (814) 590-8896

Email: reinardb@srcx.com

Requested Surface Water Withdrawal Quantity

Projected Design Year: 2028

Existing Withdrawal Quantity: 0.999(mgd)

Requested Withdrawal Quantity: 1.6(mgd)

Maximum Instantaneous Withdrawal Rate: 1111(gpm)

Estimated Daily Operation: 247(hours/day)

Requested Consumptive Use Quantity - No

Existing Consumptive Use: 0(mgd)

Requested Consumptive Use: 0(gpm)

Pre-Compact/Grandfathered CU: 0

Facility Location

Street Address: 2606 Merrick Hill Road

State: PA

County: Tioga

Municipality: Deerfield Township

Zip Code: 16928

Surface Water Withdrawal Source Information

Source Name: Cowanesque

Source Type: stream

Subbasin: Chemung

Cowanesque River Intake CVA-2 MGD Project Description

Seneca Resources Company, LLC (Seneca) acquired the CVA-1 intake (Cowanesque River withdrawal, Miller Property, Deerfield Township, Tioga County Pennsylvania), from Shell Gas (SWEPI, LP) in 2020, and on December 11th, SRBC Docket Number 20201208 was transferred to Seneca. This approval allowed for a conditional withdrawal (Peak Day) of 0.999 Million Gallons Per Day (MGD) from the Cowanesque River at a maximum instantaneous rate of withdrawal of 694 gallons per minute (gpm). Pass-by conditions were placed on the withdrawal during the months of June through January and the “real-time” on-stream USGS gage on the Cowanesque River at Westfield was assigned for pass-by compliance.

Seneca began utilizing the CVA-1 intake on April 4th, 2021 for support of their natural gas operations in Tioga County and intends to utilize this as a key source for current and future natural gas development in Tioga County. The immediate receiving infrastructure for this resource consists of 10,000 feet of buried pipeline connected to one 18 MG storage impoundment with two additional impoundments having a combined receiving capacity of 19 MG for a total current storage capacity of 37 MG from this source. In addition, there are preliminary plans and discussions underway that could potentially connect this source to existing water infrastructure (existing pipeline and impoundments) that could greatly extend the area that this intake would source. If successful with these potential infrastructure projects, this source could provide the ability for Seneca to focus the use of water resources from an ideal location in the SRB / Chemung watershed. The Cowanesque River, at this proposed intake, is a warm water fishes (WWF) with an impaired classification (siltation) that has more than sufficient flow during most of the year to allow for conditional withdrawals to meet Seneca’s regional needs.

This “new application” is to request an increase in the current approved withdrawal of 0.999 MGD up to 1.600 MGD at a maximum instantaneous rate of withdrawal of 1,111 gpm. This new application adds to the minor modification that is currently under review by commission staff to relocate the CVA-1 intake approximately 365 feet upstream to a more ideal location 41.954011°N, -77.418126°W and rename the intake CVA-2.

To complete this project, an additional screen and overland 8-inch hose will be hand laid and secured/hidden by hand placing existing rock and making strategic use of the natural landscape features as well as the geomorphology that is provided/created by the upstream engineered design of the Butler Hill Bridge over the Cowanesque River.

The CVA-2 intake will be the only intake on the Miller Property as the CVA-1 intake will be abandoned once the first intake for the CVA-2 withdrawal is installed, tested and fully operational.

All withdrawals from this river intake site are reported as 100% consumptively used. All water removed from this site will be used for natural gas well development operations including but not limited to: well drilling, well completion, dust control, wash/cleaning water, etc. There are no diversions related to this project.

Seneca relies on this withdrawal to source significant portion of their operations in Tioga County. Seneca is building and has plans to continue to build miles of pipeline and additional impoundments to transport and store this water throughout Tioga County. This source on the main stem of the Cowanesque River is critical to current and future operation plans for Seneca.

This project has been reviewed previously for potential impacts associated with the withdrawal of water; and those findings agree with operational observations regarding no negative impacts to aquatic life, habitat and other users of the resource, including but not limited to downstream users and on-site recreation. The withdrawal is, and will continue to be, conditioned with pass-by requirements as prescribed in the existing SRBC docket. No negative impacts were or have been identified in relation to the current use of water at the CVA-1 withdrawal location.

Seneca's Requested MGD Rate by Month for the CVA-2 Application to Increase the Rate of Withdrawal

Month	Requested Rate of Withdrawal (MGD)	Comments
January	1.60	
February	1.60	
March	1.60	
April	1.60	
May	1.60	
June	1.60	<p>June through September: Based on preliminary results of Commission Staff's review of water availability analysis and likely passby conditions required for CVA2, BCD H2O Solutions (BCD) would like to work with SRBC's Project Review team to determine the most suitable withdrawal rate to meet Seneca's goals/needs. When appropriate, during the course of this review, BCD would like to meet with Commission review staff to discuss the preliminary findings to allow for a potential reduction in the requested rate of withdrawal in the months of June through September based on statistical analysis of the frequency of volumes that will be available for withdrawal.</p>
July	1.60	
August	1.60	
September	1.60	
October	1.60	
November	1.60	
December	1.60	