



SUSQUEHANNA RIVER BASIN COMMISSION

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Surface Water Withdrawal Application Unnamed Tributary to North Branch Sugar Creek Project Summary

SRBC Pending No.: 2022-084

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: REPSOL OIL & GAS USA, LLC.

Address: 337 DANIEL ZENKER DRIVE

City: HORSEHEADS

Contact Person: BENJAMIN YOUNKIN

Telephone: (607) 562-4032

Mobile: (607) 346-7584

State: NY

Zip Code: 14845

Title: SR. WATER SUPERVISOR

Fax: (607) 562-4001

Email: byounkin@repsol.com

Requested Surface Water Withdrawal Quantity

Projected Design Year: 2027

Existing Withdrawal Quantity: 0.926(mgd)

Requested Withdrawal Quantity: 0.926(mgd)

Maximum Instantaneous Withdrawal Rate: 644(gpm)

Estimated Daily Operation: 24(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: 5600 Austinville Road

State: PA

County: Bradford

Municipality: Columbia Township

Zip Code: 16914

Surface Water Withdrawal Source Information

Source Name: Unnamed Tributary to North Branch Sugar Creek

Source Type: stream

Subbasin: Middle Susquehanna



1.4.6 Request Variable Withdrawal Rates

The existing surface water withdrawal has SRBC-approved variable monthly withdrawal rates per Docket No. 20180611 and as summarized below. It is requested to renew the approval for these same variable monthly rates.

Month	Peak Day Withdrawal (mgd)	Maximum Instantaneous Withdrawal (gpm)
January	0.225	156
February	0.385	267
March	0.926	644
April	0.807	560
May	0.516	358
June	0.161	112
July	0.072	50
August	0.072	50
September	0.072	50
October	0.072	50
November	0.161	112
December	0.354	246

mgd – million gallons per day
gpm – gallons per minute



2.1 Project Facility Description

Repsol Oil & Gas USA, LLC is a natural gas exploration company requesting renewal of the approval for a surface water withdrawal of up to 0.926 million gallons per day (mgd) from an unnamed tributary to North Branch Sugar Creek located in Columbia Township, Bradford County, Pennsylvania. Repsol Oil & Gas USA, LLC owns and operates the existing surface water withdrawal facility, which is currently approved under Docket No. 20180611, and which has been in operation since 2010. The purpose of the project facility is to provide freshwater for hydrocarbon development and related incidental uses within the Susquehanna River Basin.

When there is adequate flow in the unnamed tributary to North Branch Sugar Creek, water is withdrawn via a centrifugal pump connected to a submerged intake installed on the stream bed. Water is conveyed from the intake via a buried waterline to the withdrawal pump located in a pump house approximately 300 feet southeast of the intake. Withdrawn water is transported from the pump house via a buried waterline to a 5.7-million-gallon freshwater storage impoundment located approximately 130 feet north of the pump house. Water from the impoundment is primarily transported via buried waterlines to other impoundments in Repsol's water distribution and storage network and to approved natural gas well drilling pads for consumptive use. Occasional trucking of water from the impoundment is conducted as needed. No changes to the project are proposed.