



## SUSQUEHANNA RIVER BASIN COMMISSION

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### Surface Water Withdrawal Application East Branch Wyalusing Creek Project Summary

**SRBC Pending No.:** 2019-029

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

#### Project Sponsor

<b>Company Name:</b>	Epsilon Energy USA, Inc.		
<b>Address:</b>	16701 Greenspoint Park Drive, Suite 195		
		<b>State:</b>	TX
<b>City:</b>	Houston	<b>Zip Code:</b>	77060
<b>Contact Person:</b>	Henry Clanton	<b>Title:</b>	Chief Operating Officer
<b>Telephone:</b>	281-670-0002	<b>Fax:</b>	281-668-0985
<b>Mobile:</b>		<b>Email:</b>	Henry.Clanton@EpsilonEnergyLtd.com

#### Requested Surface Water Withdrawal Quantity

<b>Projected Design Year:</b>	2024
<b>Existing Withdrawal Quantity:</b>	0(mgd)
<b>Requested Withdrawal Quantity:</b>	0.715(mgd)
<b>Maximum Instantaneous Withdrawal Rate:</b>	496(gpm)
<b>Estimated Daily Operation:</b>	24(hours/day)

#### Requested Consumptive Use Quantity - No

<b>Existing Consumptive Use:</b>	0(mgd)
<b>Requested Consumptive Use:</b>	0(gpm)
<b>Pre-Compact/Grandfathered CU:</b>	0

## **Facility Location**

**Street Address:** 5222 State Route 706

**State:** PA

**County:** Susquehanna

**Municipality:** Rush Township

**Zip Code:** 18801

## **Surface Water Withdrawal Source Information**

**Source Name:** East Branch Wyalusing Creek

**Source Type:** stream

**Subbasin:** Middle Susquehanna

**PROJECT SPONSER: Epsilon Energy USA, Inc.**

**SURFACE WATER WITHDRAWAL APPLICATION: East Branch Wyalusing Creek**

**SUPPORTING DOCUMENT ( Prepared 2-21-19 )-**

## **2.0 Project Facility**

### **2.1 Project Facility Description**

- a. **Site/Facility name – East Branch Wyalusing Creek**
- b. **Anticipated long term owner and operator, if different – Not applicable**
- c. **Type of facility – Water surface withdrawal for use in drilling and completion of unconventional gas wells.**
- d. **Purpose of the withdrawal and requested quantity of water to be withdrawn – The water will be used to 1) facilitate as a drilling mud additive, 2) facilitate as a cement additive, and 3) for use in hydraulic stimulation of unconventional gas wells. The maximum daily rate of water withdrawal planned under this application is 0.715 mgd.**
- e. **Description of site activities – The staging location of the pumping unit is a distance of 80-feet from the suction intake located along East Wyalusing Creek, in Rush Township, Susquehanna County, Pennsylvania as defined by withdrawal point coordinates Latitude 41.790105 N and Longitude -76.039582 W. A flat surface area measuring 20' X 20' will be used to support the pumping unit and appurtenances. An access drive to the site will be made from Pennsylvania State Route 706. The elevation of the pump pad is 960.0, and the elevation of the pool area at the suction intake is 942.1 ( stream bottom ). The depth of the pool of water at the planned withdrawal is measured at a minimum depth of 3-feet.**
- f. **Provide the date operations are anticipated to begin – Site development on July 1, 2019 and Initiate water withdrawal on September 1, 2019.**

#### **Supplemental narrative:**

**The planned pump unit will suction water from a submerged intake structure. Electric power is planned to power the pump. The discharge from the pump will transport water through a 12-inch waterline ( planned HDPE SDR 11 piping ). Planning is for the discharge of the waterline to a peak contour elevation located to the west of the withdrawal location, continued flow with discharge to the freshwater earthen impoundments will be made by gravity flow.**