



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>

Minor Modification Application Summary

Source Name: Loyalsock Creek

SRBC Pending No.: 2023-041

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

Minor Modification

1.0 Application Background

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

1.1 Project Sponsor

Company Name: Pennsylvania General Energy Company, L.L.C.

Mailing Address Line 1: 120 Market Street

Mailing Address Line 2:

City: Warren

State: PA

ZIP Code: 16365

Contact Person:

First Name: Nathan

Last Name: Harris

Title: Vice President of Strategic Operations and Development

Telephone: 814-723-3230

Fax: 814-723-3502

Mobile: 814-706-3735

E-mail: nathanharris@penngeneralenergy.com

1.2 Existing Approval Number

Approval Type: Docket

Approval Number: 20200312

1.3 Requested Minor Modification Type

Changes to the design and minor changes to the location of intakes;

Minor Modification Application Description

Pennsylvania General Energy Co. LLC (PGE) is requesting a minor modification to Commission Docket No. 20200312, which authorize the withdrawal of 2.0 MGD from Loyalsock Creek at the Loyalsock Creek Freshwater Intake located in the West Branch Susquehanna Subbasin, Plunketts Creek Township, Lycoming County Pa. The Loyalsock Creek Intake will be used for Oil and Gas Operations such as drilling, dust suppression, completions operations, hydrostatic testing of pipelines and other purposes. The changes outlined below were recommended by Brain Bonner PE ARM Group who was the engineer of record for the project.

The facility's intake and associated pump station is not yet fully constructed due to delays in approval times for zoning, weather related delays, and supply chain issues for critical equipment. These delays resulted in two extension requests that were approved by the SRBC (12/13/2021 & 01/30/2023). PGE is requesting a minor modification to the metering plan. These changes and rationale for each change are discussed in the following paragraphs.

The submersible pump changed from two 75 hp rated pumps to a single 127 hp rated pump and a redundant backup pump. The submersible pump, which has yet to be installed, changed from a lead/lag operation to a redundant back-up and single pump (running at full capacity) operation. Moving to these two pumps operation, rated for 1500 gpm, resulted in the increased pump hp rating.

Intake screen size increased. The screen opening size (wedge wire) did not change, but the physical dimensions of the screens was increased to ensure the buried application would meet the flow demand with redundancy. The screens meet the SRBC requirement of a 0.10" opening. Grated sides were also added to ensure adequate flow into the box.

HDPE between the screens and the wet well changed from 12" to 16". The HDPE size change was done to ensure minimal head loss between the screen and the vault.

Meter location changed to the pump station. The meter, which has not been installed, was changed to the pump station location because 1) having the meter at the pump station minimizes/eliminates the need for the SRBC and PGE to physically cross SR 87, which was deemed to be a safety hazard due to the amount of traffic on this highway. Also, the revised location allows for more accessible year-round access. 2) the previous location was in close proximity to a residence and by moving the meter to the pump station eliminates any potential conflicts with the landowner.