



SUSQUEHANNA RIVER BASIN COMMISSION

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Surface Water Withdrawal Application Genesee Forks Project Summary

SRBC Pending No.: 2023-144

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: Greylock Production, LLC

Address: 500 Corporate Landing

State: WV

City: Charleston

Zip Code: 25311-1264

Contact Person: Gavin Reed

Title: Asset Development Manager

Telephone: (304) 382-6490

Fax:

Mobile:

Email: greed@greylockenergy.com

Requested Surface Water Withdrawal Quantity

Projected Design Year: 2029

Existing Withdrawal Quantity: 0(mgd)

Requested Withdrawal Quantity: 1.44(mgd)

Maximum Instantaneous Withdrawal Rate: 1000(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: Loucks Mill Road
State: PA
County: Potter
Municipality: Hector Township
Zip Code: 16943

Surface Water Withdrawal Source Information

Source Name: Genesee Forks
Source Type: stream
Subbasin: Upper Susquehanna

Project Description

Greylock Production, LLC is a natural gas company requesting approval of a surface water withdrawal of 1.440 mgd from Genesee Forks, located in Hector Township, Potter County, Pennsylvania for use in hydrocarbon development. The facility plans to begin operations in the Spring of 2024.

This facility will be used for hydrocarbon development and related incidental uses. The intent is to opportunistically fill 3 on site tanks when there is adequate flow in Genesee Forks. Water is then transported via pipeline for consumptive use at Greylock Production, LLC approved natural gas well drilling pads.

ADF by Month

Month	ungaged, cfs	gaged streamflow, cfs
Jan	24.89	113.98
Feb	30.39	143.10
Mar	54.26	267.75
Apr	55.54	270.48
May	31.22	143.94
Jun	20.96	100.03
Jul	8.65	35.11
Aug	8.01	34.58
Sep	9.84	46.57
Oct	12.13	53.41
Nov	22.92	104.83
Dec	26.62	120.19
AVG	25.40	119.20

Note: USGS PA WSC Baseline Streamflow Estimator (BaSE) 1.1 was utilized

Data Utilized was from 10/1/1959 to 09/30/2008 from Stream gage No. 01518862 Cowanesque River at Westfield, PA (See "Reference Gage Selection" tab)

Raw Data under "ContinuousDailyFlow" tab

Withdrawal Location	Latitude/ Longitude	Drainage	Q ₇₋₁₀ Flow	Monthly Percent Exceedance (P _x)	ARC Classification
Genesee Forks	41.840672, -77.702538	17.6	0.566	75	2

Month	P ₇₅ @ gaged	P ₇₅ @ ungaged	10% P ₇₅ (cfs)	10% P ₇₅ (gpm)	Proposed Withdrawal Rate (gpm)	Proposed Withdrawal Rate (cfs)	Proposed Withdrawal Rate (MGD)	Required Flow Rate at USGS Gage (cfs)	Required Flow Rate @ withdrawal point (cfs)	Withdrawal % of Monthly ADF (cfs)	Passby % of Monthly ADF (cfs)
Jan	23.68	6.71	0.67	301.2	0	0.000	0.000	23.68	6.71	0.00%	26.96%
Feb	31.03	8.74	0.87	392.3	350	0.780	0.504	32.59	9.52	2.57%	28.76%
Mar	74.57	18.63	1.86	836.2	800	1.782	1.152	78.13	20.41	3.28%	34.33%
Apr	99.4	23.58	2.36	1058.3	1000	2.228	1.440	103.86	25.81	4.01%	42.46%
May	43.29	11.88	1.19	533.2	400	0.891	0.576	45.07	12.77	2.85%	38.05%
Jun	15.41	4.67	0.47	209.6	0	0.000	0.000	15.41	4.67	0.00%	22.28%
Jul	6.9	2.48	0.25	111.3	0	0.000	0.000	6.90	2.48	0.00%	28.68%
Aug	4.11	1.6	0.16	71.8	0	0.000	0.000	4.11	1.60	0.00%	19.98%
Sep	3.76	1.51	0.15	67.8	0	0.000	0.000	3.76	1.51	0.00%	15.35%
Oct	5.79	2.1	0.21	94.3	0	0.000	0.000	5.79	2.10	0.00%	17.31%
Nov	14.48	4.4	0.44	197.5	0	0.000	0.000	14.48	4.40	0.00%	19.19%
Dec	36.6	10.22	1.02	458.7	400	0.891	0.576	38.38	11.11	3.35%	38.39%

Monthly Exceedance was calculated individually for each month (See each monthly tab)