Seneca Coal Company
29515 Routt County Road 27
Oak Creek, CO 80467

February 9, 2022

Colorado Department of Public Health and Environment
Water Quality Control Division
WQCD-PE-B2
Attn. Permits Section - Stormwater Unit
4300 Cherry Creek Drive South
Denver, CO 80246-1530

RE: Seneca Coal Company, CDPS Permit CO-0000221, 2021 SWAR

Dear CDPHE:

Attached please find the Stormwater Annual Report (SWAR) for Seneca Coal Company (SCC): Seneca II Mine, Seneca II-W Mine and Yoast Mine. Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak

Miranda Kawcak
Environmental Manager
Peabody, Colorado Operations

Enclosure: SCC SWAR

STORMWATER ANNUAL REPORT - METAL MINING (& COAL)

COLORADO DEPT. OF PUBLIC HEALTH & ENVIRONMENT

Water Quality Control Division
WQCD-P-B2
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Check if this is a new name, address, etc.

Permittee (Company Name): **Seneca Coal Company** ____

Facility Name: **Seneca II, Seneca II-W and Yoast Mines (Seneca Mine Complex)** ____

Mailing Address: **Seneca Coal Company**
29515 Routt County Road 27
Oak Creek, CO 80467 ____

Facility Phone Number: **970-870-2718** ____

Permit Certification No. **CO-0000221**

Reporting Permit: **January 1 – December 31, 2021** *(Form is due by Feb.15 of the following year)*

Each section must be completed. Please print or type.

A. *A report on the facility's overall compliance with the SWMP.* (Include here a summary of any measures taken to comply with your Stormwater Management Plan (SWMP), to fully implement it, changes or improvements made in any of your Best Management Practices (BMPs), employee training, spills, other problems encountered, etc. How is your plan working?)

The Seneca Coal Company (SCC) SWMP identifies all potential sources of pollution which may affect the quality of stormwater discharges. It does not address those disturbance areas that contribute runoff to NPDES (CPDS) permitted discharge points which operate under applicable effluent limitations. The potential pollutant sources are limited to: twelve sediment control pond outslopes, topsoil stockpile areas and haul roads. Sediment is the sole potential pollution source. To minimize, control and contain sediment, the following BMPs are utilized individually or in combination, at various locations: containment berms, diversion ditches, culverts, porous rock check dams, straw dikes, silt fences, catchment sumps or stocktanks and the reestablishment of vegetation. SCC personnel inspect these areas throughout the year for any significant erosion and/or sediment accumulation and correct any problems as they occur. In addition to these inspections, each minesite is inspected on a monthly basis by personnel from the Colorado Division of Reclamation, Mining and Safety (CDRMS). SCC has been working with the CDRMS over the past years to utilize the most effective alternate sediment control measures to minimize the amount of sediment and erosion being generated from the disturbance areas. Also, many of the pollutant sources will not be disturbed again in the future, and several of these locations will become permanent postmining facilities such as the sediment control ponds and a large portion of the existing haul road system. The vegetation has established on the outslopes and side slopes of these disturbed areas and resulting sediment runoff is minimal.

Coal production by SCC was completed in January 2006. Most of the mining areas were reclaimed in 2006 and 2007. Maintenance of the reclaimed areas continues to this date. The Outfall 002, 003 and 004 areas were transferred from SCC to the Peabody Sage Creek Mine in 2010.

Were changes made to your SWMP? X No _ Yes – Describe changes on a separate sheet.

B. *A summary of each comprehensive facility inspection made, including date, findings, and action taken.* (The permit requires at least **two** comprehensive facility inspections per year – see page 12 of the permit. Include here a **summary** of those inspections, plus any other comprehensive inspections made. It is not necessary to summarize day-to-day inspections, unless significant problems were noted.)

First Biannual 2021 Inspection(s) – 03/22/21, 03/23/21, 06/14/21, 06/15/21, 06/17/21, 06/18/21.
Pond #005 exhibits a spring at the dam which is not impacting the embankment. Pond #006 exhibits a sluff on south side of hill above pond, not affecting pond. Pond #10 outlet starting to exhibit rust but still operational. Pond #016 exhibits a small seep that is not affecting the embankment. II-W SW001 (Culvert G2) inlet exhibits 0.1' of sediment and outlet exhibits 0.2' of sediment. II-W SW003 (Culvert G3) outlet exhibits 0.2' of sediment. II-W SW005 (Culvert ME1) inlet exhibits 0.2' of sediment and outlet exhibits 0.2' of sediment. II-W SW007 exhibits a sluff on south side. II-W SW014 (Culvert J-4) outlet exhibits 0.2' of sediment. Yoast SW001 (Culvert YA-1) inlet exhibits 0.1' of sediment and outlet exhibits 0.3' of sediment. Yoast SW006 exhibits some exposed liner material. Yoast SW007 (Culvert YA-4A) outlet is 75% inundated with sediment. Yoast SW010 outlet exhibits 0.3' of sediment. Yoast SW011 (Culvert YA-7) outlet is 40% inundated with sediment and pinched. Yoast SW013 outlet exhibits 0.2' of sediment. SW014 (Culvert YA-8) outlet exhibits 0.1' of sediment.

Second Biannual 2021 Inspection(s) – 09/09/21, 09/10/21, 09/23/21, 10/27/21.
Pond #006 exhibits a big sluff on south side of hill above pond, not affecting pond. Pond #10 outlet starting to exhibit rust but still operational. S2 SW001 (Culvert G2) inlet exhibits 0.1' of sediment and outlet exhibits 0.2' of sediment. II-W SW002 outlet exhibits 0.2' of sediment. II-W SW003 (Culvert G3) outlet exhibits 0.2' of sediment. II-W SW005 (Culvert ME1) inlet exhibits 0.1' of sediment and outlet exhibits 0.2' of sediment. II-W SW007 exhibits a sluff on south side. II-W SW014 (Culvert J-4) outlet exhibits 0.3' of sediment. Yoast SW001 (Culvert YA-1) inlet exhibits 0.1' of sediment and outlet exhibits 0.3' of sediment. Yoast SW006 exhibits some exposed liner material. Yoast SW007 (Culvert YA-4A) outlet is 65% inundated with sediment. Yoast SW010 outlet exhibits 0.2' of sediment. Yoast SW011 (Culvert YA-7) outlet is 40% inundated with sediment and pinched. Yoast SW011 (Culvert YA-7) outlet exhibits 0.2' of sediment. Yoast SW013 (Culvert YM-1) inlet exhibits 0.1' of sediment and outlet exhibits 0.1' of sediment. Yoast SW014 (Culvert YA-8) outlet exhibits 0.1' of sediment.

Other Inspections – Date _____. Findings, and action taken:_____

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C. *Results and interpretation of any stormwater monitoring performed. Attach a separate sheet with the lab results.* (Monitoring is **not** a requirement under the permit, unless you were specifically directed to do so by the Division. However, the results of any stormwater monitoring that you performed on your own should be reported here.)

Monitoring Results Attached? X No _ Yes

D. Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Miranda Kawcak — 2/9/22

Signature of Permittee (legally responsible person) — Date Signed

Miranda Kawcak — **Environmental Manager**

Name (printed) — Title