

STATE OF  
COLORADO

Reilley - DNR, Robin &lt;robin.reilley@state.co.us&gt;

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**Inspection complete Seneca**

1 message

**Reilley - DNR, Robin** <robin.reilley@state.co.us>

Fri, Jul 28, 2023 at 11:56 AM

To: "Kawcak, Miranda" &lt;MKawcak@peabodyenergy.com&gt;, Robin Reilley - DNR &lt;robin.reilley@state.co.us&gt;

Good morning Miranda,

Please find DRMS's July inspection of the Seneca IIW site. This was a complete inspection.

Best Regards

Robin Reilley, M.S. GISP  
Environmental Protection Specialist II**COLORADO**  
**Division of Reclamation,  
Mining and Safety**  
Department of Natural ResourcesP 303.866.3567 ext 8105 |  
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2164K



## COLORADO


Division of Reclamation,  
Mining and Safety

Department of Natural Resources

### PERMIT INFORMATION

<b>Permit Number:</b> C-1982-057 <b>Mine Name:</b> Seneca II-W Mine <b>Operator:</b> Seneca Property LLC <b>Operator Address:</b> Ms. Miranda Kawcak 29515 Routt County Road 27 Oak Creek, CO 80467	<b>County:</b> Routt <b>Operation Type:</b> Surface <b>Permit Status:</b> Permanent Cessation <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  Miranda Kawcak
<b>Operator Representative Signature: (Field Issuance Only)</b>	

### INSPECTION INFORMATION

<b>Inspection Start Date:</b> 26 July, 2023 <b>Inspection Start Time:</b> Noon <b>Inspection End Date:</b> 27 July, 2023 <b>Inspection End Time:</b> 11:30 a.m.		<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Partly Cloudy	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>	
<b>Inspector(s):</b>  Robin Reilley, GISP	<b>Inspector's Signature:</b> 		<b>Signature Date:</b>  28 July, 2023

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

Y - Air Resource Protection

R - Availability of Records

NA - Backfill &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; Wildlife

R - Hydrologic Balance

R - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

R - Roads

Y - Reclamation Success

R - Revegetation

Y - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

N - Topsoil

**COMMENTS**

This was a complete inspection of the Seneca IIW Mine, C1982057, operated by Seneca Property LLC. The inspection was conducted, images analyzed and the report prepared by me, Robin Reilley of the DRMS. Miranda Kawcak, mine representative, was present throughout the inspection. No hydrologic or air quality issues were detected at the time of inspection. It was a partly cloudy day with some breeze. Temperatures hovered around 75 degrees F. Approximately 81 acres remain for Phase I and Phase II.

***PERMITTING ACTIONS in PROGRESS:******OUTSTANDING MAINTENANCE******INSPECTION:******GENERAL MINE PLAN COMPLIANCE:***

Reclamation is complete and executed as permitted. Approximately 106.2 acres of Phase I released acres remain for bond release. These acres comprise the main haul road, Pond 6 and the slide area above; Ponds 15 and 16 and slide area on the east side of the site. Year nine vegetation sampling of the above mentioned areas occurred in August 2022. Reclamation appears stable with well established vegetation.

***SIGNS and MARKERS – Rule 4.02***

- The mine site identification signs observed at the mine access points, the main gate, and the secondary gate were intact, displaying all required information: mine name, operator name, address, phone number, DRMS permit number and contact information.

***ROADS – Rule 4.03***

*Construction 4.03.1(3) I 4.03.2(3); Drainage 4.03.1(4) I 4.03.2(4); Surfacing and Maintenance 4.03.1(5) and (6) I 4.03.2(5) and (6); Reclamation 4.03.1(7) I 4.03.2(7)*

- Haul roads and access roads were dry and in good repair, providing access to the entire site

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

*HYDROLOGIC BALANCE- Rule 4.05*

*General Requirements 4.05.1; Effluent Standards 4.05.2; Divergence and Conveyance of Overland Flow 4.05.3; Diversions 4.05.4; Sediment Control Measures 4.05.5, 4.05.6; Discharge Structures 4.05.7; Impoundments 4.05.9; Ground Water Monitoring 4.05.13; Underground Mine Entry 4.05.10; Surface and Ground Water Monitoring 4.05.13; Stream Buffer Zones 4.05.18:*

Ponds and stock tanks held water, and some ponds were discharging at the time of inspection. Pond banks and dam out slopes were in good repair and well vegetated.

- Ponds 6, held clear water and was discharging at the time of inspection. Slumps at pond 6 had what to do approx 1/3 acre
- Pond 16 was discharging clear water. Significant bottom vegetation appears to thrive. Tall grasses encompass the drainage to the flume.
- Pond 17 held turbid water and was discharging at the time of inspection. Some algae and aquatic grasses were present around perimeter.

*SLIDES and OTHER DAMAGE- Rule 4.12*

Established slump at Pond 6 was noted. The new slide (spring 2023), downstream from the slump appears to encompass approximately 1/3 of an acre. A crack exists between the two area.

*REVEGETATION - Rule 4.15*

Perennial vegetation was verdant and dense. Shrubs and tree appeared well established with the exception of the Aspens. Vegetation is well established, diverse and mature throughout the site.

*FISH and WILDLIFE- RULE 4.18*

Wildlife is often observed throughout the Seneca IIW mine site. Wildlife observed comprised a variety of raptors and waterfowl on the ponds. Cow elk were also observed.

*DOCUMENTS RECEIVED*

None

*INSPECTIONS 5.02; Availability of Records*

Permit documents were inspected. No issues were noted.

*DOCUMENTS RECEIVED*

None

*OTHER (SPECIFY)**ENFORCEMENT ACTIONS/COMPLIANCE*

No enforcement actions were initiated as a result of this inspection, nor are any pending.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

## **PHOTOGRAPHS**



***Photo 1:** Mine identification sign at the main site entrance off the County Road.*



***Photo 2:** Slump at pond 6.*

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1





***Photo 3:** New slide of approximately 1/3 of an acre (Spring 2023), downstream of Pond 6.*

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1



*Photo 4: Pond 6 looking south east.*



*Photo 5: Pond 16 looking south east.*

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1





*Photo 6: Pond 16 discharge through culvert.*



*Photo 7: Pond 17 discharge structure.*

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1



**AVAILABILITY OF RECORDS****PERMIT RECORDS**

DRMS Permit	OK. Exp 2025
Permit Application w/Revisions	2021 RN 7
Findings Document	SL 7 Finding 2021
Insurance Certificate	EXP 1 Aug 2023
Bond Document	yes
Phased Bond Release Documents/Findings	SL 8. Miranda's office
Air Emission Permits	OK
County Special Use Permits	OK
Mining Landowner Notification	OK
Subsidence Monitoring Reports	
Subsidence Monitoring Data	
Rill & Gully Survey	2018 Rill gully. Check date
Vegetation Monitoring Data	SL7 Miranda's Office
Specific Variance Approvals	Permit
Annual Reclamation Reports	2022 elec
Midterm Review Documents	MT 8 2018 check date and mark elec
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	Through 2022 Jan ELEC
Transfers/Succession of Operator	OK. 2016
Temporary Cessation Notification	
Reclamation Cost Estimate	SL7, 2021 K ELEC
<b>CERTIFICATIONS</b>	
Pond Certifications	Tab 13 Permit Doc
Annual Certifications for Impoundments	Oct 2022
Fill Certifications for Excess Spoil or Underground Development Waste	
• Quarterly Inspections	
• Compaction Testing	
• Final Certification	
Coal Processing Waste Banks	
Haul Road Certifications	Tab 13
Access Road Certifications	NA

**HYDROLOGIC RECORDS**

NPDES Permit	OK
NPDES Records	DMRS ELEC
Stormwater Management Plan	Miranda's Office
SPCC Plan	With SMP
MSHA Pond Inspections	NA
	Oct 2022
State Engineer's Pond Inspection	
Quarterly Pond Inspections	2023 Q2
Annual Hydrology Reports	2022
• Ground Water Monitoring	AHR
• Surface Water Monitoring	AHR
• Spring & Seep Monitoring	AHR
• Mine Water Discharge Monitoring	AHR
• Mine Inflow Study	AHR
• Water Consumption Records	Miranda's office
Well Permits	Yes

**BLASTING RECORDS**

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	NA

**ADDITIONAL RECORDS (specify)**


COMMENTS: Yellow highlighted items require attention

- ELEC Documents are available electronically on Miranda's PC