



STATE OF  
COLORADO

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

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## Inspection Complete Yoast 2023 07 July

1 message

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

Tue, Aug 1, 2023 at 12:30 PM

To: "Kawcak, Miranda" <MKawcak@peabodyenergy.com>, Robin Reilley - DNR <robin.reilley@state.co.us>

Good Afternoon Miranda,

Please find the July 2023 complete inspection for the Yoast Site.

Thank you

Robin Reilley, M.S. GISP  
Environmental Protection Specialist II



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

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**Ins\_Complete\_Yoast\_2023\_07July.pdf**

4071K

26 July 2023




**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

### PERMIT INFORMATION

<b>Permit Number:</b> C-1994-082 <b>Mine Name:</b> Yeast Mine  <b>Operator Address:</b> Seneca Property LLC Ms Miranda Kawcak 29515 Routt County Road No. 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>  This report was issued electronically from the Divisions' Denver Office.	

### INSPECTION INFORMATION

<b>Inspection Start Date:</b> 26 July 2023 <b>Inspection Start Time:</b> 12:30 p.m. <b>Inspection End Date:</b> 27 July 2023 <b>Inspection End Time:</b> 10:00 a.m.	<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear
<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, M.S. GISP	<b>Inspector's Signature:</b>  <b>Signature Date:</b>  1 August 2023

Inspection Topic Summary	
NOTE:	Y=Inspected    N=Not Inspected    R=Comments Noted V=Violation Issued    NA=Not Applicable
Y - Air Resource Protection	R - Roads
R - Availability of Records	R - Reclamation Success
Y - Backfill & Grading	R - Revegetation
NA - Excess Spoil and Dev. Waste	Y - Subsidence
NA - Explosives	R - Slides and Other Damage
Y - Fish & Wildlife	NA - Support Facilities on site
R - Hydrologic Balance	R - Signs and Markers
R - Gen. Compliance With Mine Plan	NA - Support Facilities Not on site
NA - Other	NA - Special Categories Of Mining
NA - Processing Waste	N - Topsoil

## COMMENTS

This was a complete inspection of the Yoast Mine, C1994082, operated by Seneca Property LLC. The inspection was conducted, and the report prepared by me, Robin Reilley of the DRMS. The weather was clear and calm with temperatures hovering around 70 degrees F. The ground was dry. The roads in good repair and the entire site was accessible.

*PERMITTING ACTIONS:*

## Mid Term 6

## MAINTENANCE ITEMS

Pond 14 drop structure is cracked and water is flowing into structure. Structure requires sealing.

## INSPECTION

**GENERAL MINE PLAN COMPLIANCE:**

Reclamation has been completed at the site with the exception of the hillside above Pond 12.

### *SIGNS and MARKERS – Rule 4.02*

- The mine site identification signs observed at the mine access point at the main gate was 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), 4.03.2(3); Drainage 4.03.1(4), 4.03.2(4); Surfacing and Maintenance 4.03.1(5) and (6) 4.03.2(5) and (6).*

- Roads in and through the site were in adequate repair offering access throughout the site.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

*HYDROLOGIC BALANCE – Rule 4.05*

*Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Drainage- Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18*

- Pond 10 appeared full and was discharging clear water through the flume.
- Stock ponds held water at the time of inspection.
- Pond 12 was discharging clear water through flume at the time of inspection.
- Pond 13 held turbid water and was not discharging through its culvert.
- Pond 14 looking east. Drop structure is cracked and water is flowing in structure but not reaching flume. Some algae was present around the water surface perimeter.

*TOPSOIL – RULE 4.06*

*Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4*

- No instability or riling were noted on the observed topsoil piles. Topsoil piles are vegetated, with vegetation a verdant green.
- Patches of whitetop were present on some topsoil piles and will be treated.
- Piles appeared to be marked appropriately.

*REVEGETATION - Rule 4.15*

*General Requirements 4.15.1; Use of Species 4.15.2, Grazing 4.15.5*

- The operator has a weed management contract in place and weed mitigation is ongoing at the site.

*FISH and WILDLIFE– RULE 4.18*

Wildlife sightings included red and white tailed hawks, ravens and waterfowl.

*INSPECTION, ENFORCEMENT and CIVIL PENALTIES – RULE 5*

*Inspections 5.02; Availability of Records*

*DOCUMENTS RECEIVED*

None

*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 site entrance off the Twenty Mile Road*



***Photo 2:** Flume at Pond 10, discharging a trickle.*

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Number of Complete Inspections this Fiscal Year: 1





*Photo 3: Pond 10 looking south.*



*Photo 4: Slope in the distance above Pond 12 waiting final bond release in 2024.*

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*Photo 5: Overview of vegetation diversity.*

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*Photo 6: Pond 13 discharge culvert and flume below, no discharge.*

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***Photo 7:** Reclamation overview Pond 13 discharge structure looking east.*



***Photo 8:** Reclamation overview Pond 14 discharge structure and algal ring around perimeter of water surface, looking east.*

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***Photo 9:*** Pond 12 looking toward hillside (east), where reclamation is not yet bond released.

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Number of Complete Inspections this Fiscal Year: 1





*Photo 10: Pond 12 discharge through Pond 12 flume.*

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

DRMS Permit	OK. Exp 2025. Elec
Permit Application w/Revisions	RN5
Findings Document	SL 8 Finding 2021
Insurance Certificate	Exp 1 Aug 2023
Bond Document	Yes elec
Phased Bond Release	SL8 Jan 2021
Documents/Findings	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	2016 Rill gully
Vegetation Monitoring Data	SL8 Miranda's office
Specific Variance Approvals	Permit
Annual Reclamation Reports	2021. Neds add resp
Midterm Review Documents	MT4 2013
DRMS/OSM Inspection	Through 2022 Jan
Reports/Enforcement Actions (3 Years)	Elec
Transfers/Succession of Operator	OK
Temporary Cessation Notification	
Reclamation Cost Estimate	SL8, 2021 elec check other permitting

**CERTIFICATIONS**

Pond Certifications	Tab 13 Permit Doc
Annual Certifications for Impoundments	Oct 2022 Q3
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 admin ext
NPDES Records	DMR's on line
Stormwater Management Plan	Miranda's Office
SPCC Plan	With SMP
MSHA Pond Inspections	NA
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

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Number of Complete Inspections this Fiscal Year: 1



January 22, 2020

C-1994-082/Yoast Mine

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Insurance Document expires in August of 2023

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rill and gully 2016

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Most files can be found electronically in Miranda's office.

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