

INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF RECLAMATION

COMPLIANCE INSPECTION REPORT

Inspector Name: Luke Sweet Date of Inspection: August 5, 2024 Time: 10:30
Unit #: 376 County: Gibson Date of Last Inspection: July 25, 2024
Status: r Weather/Ground Conditions: 83°, clear and sunny
Inspection Type: Partial Complete Administrative
Operation Type: Surface Processing Exploration Underground
Is This Inspection for Last Month? Yes ___ No

Mines/Permits with this Unit:

S-322 Peabody Midwest Mining, LLC – Somerville Mine

PERFORMANCE STANDARDS INSPECTED


INSPECTION CHECKLIST: For any items marked (X), provide a narrative to support this determination. Items marked (S) were satisfactory. Items marked (NA) are not applicable to this inspectable unit.

- X 1. Areas Permitted, Bonded, or Unsuitable.
- X 2. Signs and Markers, Survey Corner Markers, Blasting signs and Markers.
- X 3. Operations, Coal Recovery, and Cessation of Operations.
- X 4. Backfilling and Grading, Contemporaneous Reclamation.
- S 5. Topsoil, Alternate Material, and Prime Farmland Handling.
- X 6. Revegetation/Rills and Gullies, and Slides.
- S 7. Post-Mining Land Use, Fish and Wildlife Mitigation.
- X 8. Hydrologic Balance.
- X 9. Disposal of Coal/Non-Coal Waste, and Excess Spoil.
- X 10. Auguring, Processing, and Steep Slopes.
- X 11. Transportation and Support Facilities – Utility Installations
- N/A 12. Casing/Sealing Exposed Underground Openings.
- N/A 13. Subsidence Control Prevention.
- X 14. Liability Insurance Expires August 1, 2024
- X 15. Bond Release Information.
- X 16. Other Permit and Site Conditions: NPDES #ING040019, 040038, 040190
- N/A 17. Off-Site Impacts Noted (Y/N) (If yes, attach off-site impact form as COVER to this inspection.)
- N/A 18. Blasting Records, Blasting Notice, Ground Vibration Records, Airblast Records, Blasting Operations, Flyrock.

Responsible Official, Address & Email:

Copy Issued To, Include Email:

Peabody Midwest Mining, LLC
566 Dickeyville Road
Lynnville, IN 47619

Signature: 
Authorized Representative
Division of Reclamation

Date August 6, 2024

COMPLIANCE INSPECTION REPORT

Permittee: Peabody Midwest Mining, LLC Date of Inspection: August 5, 2024
 Mine Name: Somerville Time: 10:30
 Unit #: 376 County: Gibson
 Signature of Company Representative: NCOS

COMMENTS:

1)

Total Permitted Acres:	8,606.90
Bonded Acres Held	
Phase I (grading):	695.90
Phase II (revegetation):	617.20
Phase III (final):	888.60

These are the current totals for permitted and bonded acres, according to the Division's database.

2) All permit ID signs, soil stockpile markers and other miscellaneous identification signs remain posted and current.

3) All coal recovery has been completed for this permit.

4) All backfilling and grading have been completed. Additional reclamation work is needed on some areas of the permit, but rough grading has been finished.

Dozer work will be required in a location utilized as a borrow area during the reclamation of RB003. An area that is roughly 1-2 acres in size will need to be filled back in with overburden material and then have soil replaced. This area is adjacent to a boneyard north of RB003.

6) An excavator was on-site (not operating) in the northeast corner of RB003. It is expected that a terrace will be constructed in this corner of the impoundment to relieve pressure off the long slope down to the water's edge. There are several small rills and gullies that will need to be repaired here.

Multiple repairs were noted in the previous inspection report for July. These repair areas are still applicable and include:

- Gullies on either side of the haul road north of RB003
- Re-seeding the drained wet area on the west side of RB003
- Re-seeding the drainage channel in the former coal processing area
- Gully in USACE floodplain south of CR 600 S
- Gully and drainage channel in between the haul road and RB001

8) All NPDES outfalls were checked during this inspection and the pH meter being used was calibrated on the morning of this inspection.

Surface and groundwater monitoring are current up through the 1st quarter of 2024.

Signature: 

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 Unit #: 376 County: Gibson
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COMMENTS:

NPDES Permit: #ING 040019										
SB/PI#	NPDES Outfall #	NPDES Status	Discharge	Flow Rate	pH meter	Iron mg/L	TSS mg/L	Settleable Solids	Inspection Time	Notes
SB023	023R	REC	Yes	Low	7.4				10:34	
SB063	063	ALK	Yes	High	8.3				11:00	
SB073	173R	REC	Yes	Low	8.0				10:45	
NPDES Permit: #ING 040190										
SB006	006	ALK	Yes	Trickle	7.5				11:47	
SB037A	037	ALK	Yes	Trickle	7.7				11:39	
SB041	041	REC	Yes	High	8.1				11:30	
SB044	044	ALK	No							
NPDES Permit: #ING 040038										
SB039	039	ALK	No							
SB036	136	ALK	No							
		Status: UND ALK ACID REC	Discharge: Yes No	Flow: Trickle Low Moderate High	pH range 6-9 Fe average of 3 mg/L, with max of 6 mg/L Daily TSS average is 35 mg/L, with max of 70 mg/L Settleable solids daily max is 0.5					

9) Non-coal waste would include scrap metal and other related material that is no longer needed by the mining company. There are a couple of scrap metal boneyards that will need to be reclaimed before final bond release can be granted.

One of these boneyards is located on the north side of the haul road, north of RB003. This area currently has a post-mining land use of row crop prime. The scrap material will need to be removed, the area graded out, soil replaced, and permanent vegetation established. Another boneyard is located around the former office and mine support area.

11) Transportation facilities include a haul road and railroad loop. Support facilities include mine buildings, equipment storage facilities, and other small shops and sheds. All transportation and support facilities are designed and located in a way that is meant to minimize erosion, water pollution, and damage to public or private property.

15) A performance bond release inspection is scheduled for Monday August 19, 2024. The inspection is set to begin at the former mine office, located off CR 1100 E. The request area involves 247.7 acres Phase I, 124.0 acres Phase II, and 220.4 acres Phase III.

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COMMENTS:

16) Beneficial Utilization of Coal Combustion Waste:

The most recent notification letter was sent out by the Division on August 9, 2022. Beneficial utilization of coal combustion waste will be used to supplement shale for road construction base and for surface maintenance (anti-skid material) for coal haulage, ramp, and county roads within the noted coal mine permits. According to the most recent notification letter, 180,000 tons/year of coal combustion waste material is being proposed for use. The sources of CCW are outlined in the notification letter. Beneficial use is not currently taking place anywhere on this permit. Peabody has not received any CCW since March 2019.

Signature: 

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