

INDIANA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF RECLAMATION

COMPLIANCE INSPECTION REPORT

Inspector Name: Clay Dayson, LPG Date of Inspection: June 24, 2024 Time: 8:49 AM  
Unit #: 387 County: Gibson Date of Last Inspection: May 14, 2024  
Status: Active Weather/Ground Conditions: Sunny, Gr.-Dry. Temperature 74 F  
Inspection Type:            Partial   X   Complete            Administrative             
Operation Type:            Surface            Processing            Exploration   X   Underground  
Is This Inspection for Last Month? Yes     No   X  

Mines/Permits with this Unit:

U-022 – Gibson County Coal, LLC. – Gibson County Coal 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.
- X   5. Topsoil, Alternate Material, and Prime Farmland Handling.
- X   6. Revegetation/Rills and Gullies, and Slides.
- X   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
- X   12. Casing/Sealing Exposed Underground Openings.
- X   13. Subsidence Control Prevention.
- S   14. Liability Insurance Expires   October 1, 2024
- X   15. Bond Release Information.
- S   16. Other Permit and Site Conditions:   NPDES Permits #ING040141 & #IN0061786
- No   17. Off-Site Impacts Noted (Y/N) (If yes, attach off-site impact form as COVER to this inspection.)
- Na   18. Blasting Records, Blasting Notice, Ground Vibration Records, Airblast Records, Blasting Operations, Flyrock.

Responsible Official, Address & Email:

Copy Issued To, Include Email:

Mr. Peter Wissel  
Gibson County Coal, LLC  
3455 S 700 W  
Owensville, Indiana 47665

Signature: Clay Dayson  
Authorized Representative  
Division of Reclamation

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Permittee: Gibson County Coal, LLC Date of Inspection: June 24, 2024  
Mine Name: Gibson County Coal Time: 8:49 AM  
Unit #: 387 County: Gibson  
Signature of Company Representative: Not Issued On Site

**COMMENTS:**

- A second quarter complete inspection was conducted at the mine site, permit #U-022. This permit is active.
- Peter Wissel (Eng - Gibson) was present during the inspection.

1. Areas Permitted, Bonded, or Unsuitable Permit:

This permit is valid for the period commencing October 30, 2021, and ending October 29, 2026, unless it is hereafter modified, renewed, or revoked pursuant to I.C. 14-34.

The Gibson Mine consists of:

Permit	Surface Acres	Shadow Acres
Original Permit #U-022	240.0	8,645
Amendment #1 Permit #U-022-1	1.0	None
Amendment #2 Permit #U-022-2	None	7,843
Amendment #3 Permit #U-022-3	231.5	None
Amendment #4 Permit #U-022-4	30.4	None
Amendment #5 Permit #U-022-5	193.0	None
Amendment #6 Permit #U-022-6		1,500
Amendment #7 Permit #U-022-7		710.0
Amendment #8 Permit #U-022-8	12.8	
Amendment #9 Permit #U-022-9		3,872.0
Total	708.7	22,570.0
IBRs	96.53	200
Total	805.23	22,770.0
Total Bond	625.93	

**Performance Bond:**

There are 625.93 acres that are bonded.

2. Signs and Markers, Survey Corner Markers, Blasting signs and Markers

The mine identification signs are posted at the public access points. The soil piles are marked with the proper identification signs (topsoil and subsoil).

3. Operations, Coal Recovery, and Cessation of Operations

Gibson County Coal makes stoker coal.

**Fine Refuse (Slurry) Injection:**

Gibson County Coal has not started injecting in the abandoned underground works at portal #2.

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**COMMENTS:**

4/6. Backfilling and Grading, Contemporaneous Reclamation & Revegetation/Rills and Gullies, and Slides Coarse Refuse (gob) Pile:



Gibson County Coal has been reclaiming a portion of the coarse refuse (gob) pile. They reclaim the top of the gob pile, approximately 8 acres.

Gibson County Coal needs to protect the soil from eroding, once they achieve final grade.

Pic. 6/24/24 ... shows the reclaimed portion of the gob pile. The area includes approximately 8.0 acres.

7. Post-Mining Land Use, Fish and Wildlife Mitigation.

Gibson County Coal is slowly working on reclaiming the site. They have plugged decant wells and the slurry injection wells that are no longer needed.

Gibson County Coal needs to be thinking about updating the post mining land uses.

8. Hydrologic Balance

The following sediment basins were tested with a pH meter.

**NPDES Permit #ING040141 (General Permit)**

SB. No.	Outfall No.	Outfall	Discharge	pH meter	Temp C	Iron mg/l	Imhoff Cone mg/l	Monitoring	Sample Time	Date
1	001	Alkaline	No				-	Monthly	11:29 AM	6/24/24
2	002	Alkaline	Yes	8.12	29.1	-	-	Monthly	11:27 AM	6/24/24
3	003	Alkaline	No				-	Monthly	11:32 AM	6/24/24
4	004	Alkaline	No				-	Monthly	1:08 PM	6/24/24
5	005	Alkaline	No				-	Monthly	10:34 AM	6/24/24
6	006	Alkaline	No				-	Monthly	1:15 PM	6/24/24
7	007	Alkaline	Na				-	Monthly		
8	008	Alkaline	Not Built					No Built		

Water samples taken from the outfall points represent the discharge from the sediment control structure.

- Sediment basin #3: There is no watershed for the basin, therefore, the basin does not discharge.

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**COMMENTS:**

8. Hydrologic Balance (Continued)

NPDES Permit #IN0061786 (Individual Permit)

Outfall No.	Outfall	Discharge	pH meter	Temp C	Iron mg/l	Imhoff Cone mg/l	Monitoring	Sample Time	Date
003	alkaline	No			-	-	Monthly	11:29 AM	6/24/24
005	alkaline	No			-	-	Monthly	10:34 AM	6/24/24
100	alkaline	Na	Patoka River						

Water samples taken from the outfall points represent the discharge from the sediment control structure.

- They have stopped dewatering the underground mine. The decant wells #1, #2, #3, #5, and #6 have been plugged. Their locations have been reclaimed. **NPDES Outfall Data:** NPDES Permit #ING040141

Gibson County Coal submitted NPDES (General Permit) water data.

**NPDES Outfall Data:** NPDES Permits #IN0061786

Gibson is still monitoring the outfalls that are associated with the individual permit. The outfall associated with the individual permit does not discharge. Gibson County Coal has ceased pumping underground mine water to the surface. The decant wells are no longer operating. On the MMR's and the DMR's, Gibson County Coal is reporting no discharge for the NPDES individual permit.

9. Disposal of Coal/Non-Coal Waste, and Excess Spoil  
**Coarse Refuse (gob) Pile:**

- No seepage was visible
- Slopes appear to be stable
- Erosion ... slopes have minor erosion, no appears of instability issues.
- Southern Slope reclaimed, vegetation includes a mixture of fescue and orchard grass, with spotty areas of clover
- Eastern slope reclaimed, minor erosion (rills) along the slope.

**Decant Wells:**

There are 6 decant wells that pump water from the underground works. To the best of my knowledge wells 1,2,3,5, and 6 are plugged. Decant well #4 is idle. Refer to the table below for the status.

Decant Well No.	Status	Decant Well No.	Status
#1	Plugged	#2	plugged
Decant Well No.	Status	Decant Wells No.	Status
#3	Plugged	#4	plugged
Decant Well No.	Status	Decant Well No.	Status
#5	Plugged	#6	Plugged.

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 Signature of Company Representative: Not Issued On Site

**COMMENTS:**

9. Disposal of Coal/Non-Coal Waste, and Excess Spoil  
**Slurry Injection Wells:**

To the best of my knowledge, the following table outlines the status of the slurry injection wells.

Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#1	Plugged	#2	Plugged	#3A	Plugged
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#3B	Plugged	#3C	Idle	#4A	Plugged
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#4B	Plugged	#4C	Plugged	#5A	Plugged
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#5B	Idle	#5C	Plugged	#6A	Idle
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#6B	Plugged	#6C	Plugged	#7A	Plugged
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#7B	Plugged	#7C	Plugged	#9A	idle
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#9B	idle	#10A	Plugged	#11A	idle
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#11B	Idle	#11C	plugged	#12A	Plugged
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status	Slurry Injection Wells No.	Status
#12B	Plugged	#12C	idle	#13A	Idle
Slurry Injection Well No.	Status	Slurry Injection Well No.	Status		
#13B	Idle	#13C	Idle		

**Vent Holes:**

To the best of my knowledge, the valves on the idle vent holes were closed. Those vent holes that are plugged are highlighted in light blue as indicated in the table below.

Vent Hole No.	Status	Vent Hole No.	Status
#3AV	Plugged	#3BV	Plugged
Vent Hole No.	Status	Vent Hole No.	Status
#4Bv	Plugged	#9AV	Idle
Vent Hole No.	Status	Vent Hole No.	Status
#10AV	Plugged	#11AV	Idle
Vent Hole No.	Status	Vent Hole No.	Status
#11BV	Idle	#12AV	Plugged
Vent Hole No.	Status	Vent Hole No.	Status
#12BV	Plugged	#13AV	Idle
Vent Hole No.	Status	Vent Hole No.	Status
#13BV	Idle	#13CV	Idle

**Portal #1:**

There are two (2) vent holes were installed in the air shaft at portal #1. The valves on the vent holes are closed.

The vent pipe on the track slope (man trip) has been closed.

There is a vent pipe open on the belt slope, which Gibson County Coal, LLC is drawing methane from.

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**COMMENTS:**

9. Disposal of Coal/Non-Coal Waste, and Excess Spoil  
**Portal #2:**

Gibson County Coal installed two (2) vent holes in the temporary cap over the shaft. These vent holes are capped.

**Slurry Injection:**

Gibson County Coal installed a fine refuse (slurry) pipeline (Incidental Boundary Revision #40) to pump slurry from Gibson South Mine to portal #2.

As of this inspection, Gibson County Coal has not started pumping slurry into the underground mine.

11. Transportation and Support Facilities – Utility Installations  
**Rock Dust Holes:**

To the best of my knowledge, there are three (3) rock dust holes, which are idle. These three rock dust holes have a cap on them and/or the valves are closed.

12. Casing/Sealing Exposed Underground Openings

Portal #1 is located on the original permit. Portal #1 is the original slopes to the underground. Portal #1 includes air shaft (exhaust fan), main slope, and belt slope (brings the coal out). All three (3) openings have been temporarily sealed.

Portal #2 is located on amendment #4. Portal #2 includes one (1) main shaft. The shaft has been temporarily sealed (concrete cap).

13. Subsidence Control Prevention

Gibson County Coal, LLC has not reported any subsidence issues.

15. Bond Release Information

Acres associated with the mine remain under performance bond. These number are obtained from the Division of Reclamation database.

Performance Bond	Phase I	Phase II	Phase III
Acres Retained	625.93	625.93	625.93

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