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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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## INSPECTION REPORT

INSPECTION DATE & TIME: December 27, 1990  
8:30 am to 2:00 pm

Permittee and/or Operators Name: Castle Gate Coal Company  
Business Address: One Riverfront Place, 20 N W 1st Street Evansville, IN 47708  
Mine Name: Castle Gate Mine Permit Number: ACT/007/004  
Type of Mining Activity: Underground  Surface  Other   
County: Carbon  
Company Official (s): Mel Coonrod, Bob Evans  
State Official(s): David Darby, Geologist  
Partial:  Complete:  Date of Last Inspection: September 7, 1990  
Weather Conditions: Very cold, clear with about 14 inches of snow on ground.  
Acreage: Permitted 8510 Disturbed 134.5 Regraded 6.5 Seeded 6.5 Bonded 134.5  
Enforcement Action: NOV issued-N90-18-2-1

### COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	( X )	( )	( )	( X )
2. SIGNS AND MARKERS	( X )	( )	( )	( )
3. TOPSOIL	( X )	( )	( )	( )
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	( X )	( )	( )	( X )
b. DIVERSIONS	( X )	( )	( )	( )
c. SEDIMENT PONDS AND IMPOUNDMENTS	( X )	( )	( )	( X )
d. OTHER SEDIMENT CONTROL MEASURES	( X )	( )	( )	( )
e. SURFACE AND GROUNDWATER MONITORING	( X )	( )	( )	( X )
f. EFFLUENT LIMITATIONS	( X )	( )	( )	( X )
5. EXPLOSIVES	( )	( )	( X )	( )
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	( X )	( )	( )	( )
7. COAL PROCESSING WASTE	( X )	( )	( )	( )
8. NONCOAL WASTE	( X )	( )	( )	( )
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	( X )	( )	( )	( )
10. SLIDES AND OTHER DAMAGE	( X )	( )	( )	( )
11. CONTEMPORANEOUS RECLAMATION	( X )	( )	( )	( )
12. BACKFILLING AND GRADING	( X )	( )	( )	( )
13. REVEGETATION	( X )	( )	( )	( )
14. SUBSIDENCE CONTROL	( X )	( )	( )	( )
15. CESSATION OF OPERATIONS	( X )	( )	( )	( )
16. ROADS				
a. CONSTRUCTION	( X )	( )	( )	( )
b. DRAINAGE CONTROLS	( X )	( )	( )	( )
c. SURFACING	( X )	( )	( )	( )
d. MAINTENANCE	( X )	( )	( )	( )
17. OTHER TRANSPORTATION FACILITIES	( X )	( )	( )	( )
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	( X )	( )	( )	( )

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Castle Gate Coal Company is inspected on a quarterly basis, because they are in a temporary cessation mode. Part of this inspection was conducted on November 28, 1990. At the time of the inspection there was no representative at the site so access was limited. I walked into the individual disturbed areas to examine the sedimentation ponds. Sedimentation ponds 009 a and b aroused my concern because it appeared that a substantial amount of sediment had accumulated in the upper pond recently. Also, the upper wall of the pond had slumped into the pond. There were not sedimentation clean out markers in the pond to assess the amount of sediment that had accumulated and at which point the pond needed to be cleaned.

I observed that ponds 12 a and b were 2 receiving water from the prep plant area. The ponds were covered with a thick layer of ice and the level of the ice was about 14 inches below the overflow level. I had to question if there was enough room remaining to handle the mine discharge and any direct runoff in the event of a thaw.

I returned to the office and identified these occurrences to Rick Summers, DOGM Hydrologist. He stated that in his current review of their recently submitted 5-year permit he had found that designs of several sedimentation ponds did not meet established standards. In lieu of this fact we drafted a Notice of Violation to establish design to bring the operator into compliance via meeting standard design criteria.

Standard design criteria had previously been requested during the mid-term permit review dated December 4, 1989 by Mike Deweese, former Hydrologist for the Division. Submittals by the operator including the most recent of July 11, 1990 have yet to completely meet standard design criteria.

It was intended that a NOV written for these mine plan deficiencies would also bring the observed (mentioned above) ground situations into compliance.

#### 1. Permit

Castle Gate was issued a five year permit renewal on December 24, 1990. The permit was issued based on the findings that the mineplan incorporated information had been provided to address all areas of mining and reclamation activities and in recognition that submittal of this information constituted diligence on the Operator's part to continue the right of successive renewal of the permit. A Division order was sent to the Operator

Copy of this Report:

Mailed to: Bob Evans - CGCC, John Kathmann - OSM

Given to: Daron Haddock - DOGM, Joe Helfrich - DOGM

Inspectors Signature and Number: *Daniel W. Daily* #18 Date: Jan. 11, 1991

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which identified permit deficiencies that would have to be addressed in order to bring the permit into compliance with the State Program

(Comments are Numbered to Correspond with Topics Listed Above)

#### 4. Hydrologic Balance

Stream channel diversions were checked on November 28, 1990. All diversions appeared clear of debris, but contained snow. No excessive problems appeared eminent.

Sedimentation ponds as described in the introduction were inspected. All paperwork was checked. Embankment reports for the third quarter showed that the pond embankments were checked on August 23, 1990 and forth quarter inspections were conducted on December 12, 1990.

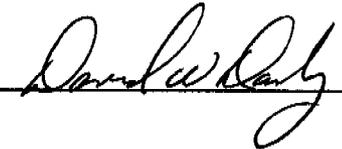
Surface and ground water monitoring reports indicated that monitoring had been conducted on August 29, 1990 for the third quarter. The forth quarter water monitoring data has not been received from the laboratory.

UPDES reports were examined for the third and forth quarters. The reports indicated that there was no discharge from any of the UPDES sites during those time intervals. A General permit (UTG 040021 was issued on November 20, 1990 which encompasses all discharge sites.

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