

10-31-88
7022
0019



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

John SCL

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

INSPECTION REPORT

INSPECTION DATE & TIME: October 17, 1988
1 p.m. to 5 p.m.

Permittee and/or Operators Name: Summit Coal Company
Business Address: P.O. Box 646, Coalville, Utah 84017
Mine Name: Boyer Mine Permit Number: ACT/043/008
Type of Mining Activity: Underground Surface Other
County: Summit
Company Official (s): Bill Blonquist
State Official(s): Harold G. Sandbeck
Partial: XXX Complete: Date of Last Inspection: 9/23/88
Weather Conditions: Clear and warm
Acreage: Permitted 170 Disturbed 5.5 Regraded Seeded Bonded 5.5
Enforcement Action: N88-27-6-3 (See 4b., 4e. and 13)

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

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

INSPECTION REPORT
(continuation sheet)

Page 2 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION October 17, 1988

(Comments are Numbered to Correspond with Topics Listed Above)

General Comments.

Jack Blonquist was not available for this partial inspection. Bill Blonquist was at the site but he did not accompany the undersigned inspector. The mine has requested a temporary cessation. The mine was not operating and mine personnel were laid off.

N88-27-6-3 was issued which is explained in this report.

1. Permits.

Stipulation Status

There are sixteen (16) total mine permit stipulations. In this report, a records review will list the status of some stipulations (not all of them). Future inspection reports will continue the records review until all stipulations have been addressed. Following is the status of some these stipulations:

Stipulations UMC 817.42-(1-3)-RS

1. The permittee shall submit revised designs for the catch basin proposed to treat drainage from the coal waste disposal area such that the final design must incorporate valid hydrologic assumptions and criteria and insure compliance with subsection (a)(3) of UMC 817.42. Designs must be submitted within 30 days of permit issuance and be approved by the Division prior to any further initiation of mining activity in the powder and cap magazine and coal waste disposal area.

Status. Refer to Rick P. Summers July 27, 1987 letter to file. Page 3-67 of the response indicates the applicant is withdrawing the proposal for a catch basin as this area will not be used for waste disposal. It is proposed to reclaim this area in the fall of 1987. The requirements of this stipulation have been met.

2. The permittee shall within 30 days of permit issuance submit revised appropriate sections and plates in the MRP to reflect a commitment to retain straw bale (or equivalent) treatment structures at the outlet of culvert C-6. Additionally, the permittee must commit, within 30 days of permit issuance, to sample all discharges from these structures and incorporate the analysis schedule proposed in Table 5-1 for all samples. A commitment to submit results of the analysis to the Division within 30 days of receipt must also be made.

INSPECTION REPORT
(continuation sheet)

Page 3 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION 10/17/88

(Comments are Numbered to Correspond with Topics Listed Above)

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has proposed a catch basin as an alternative to the straw bales proposed in the original MRP. The Division approves the use of the catch basin, but will require straw bales or equivalent for the discharge from this basin until it can be demonstrated (through monitoring) that the catch basin as a sole treatment structure is adequate to maintain effluent limitations. Narrative should be added to the permit reflecting this commitment. The applicant has committed to sampling the discharges from the catch basin for the operational parameters in the original MRP (Table 5-1 of Volume 2).

The applicant has committed to the above on pps. 7-4d and has updated plate 7-1. This stipulation has been addressed.

3. Prior to beginning any underground coal mining activities under this permit in the affected drainage area, the applicant must construct the sedimentation system as proposed in the MRP.

Status. This stipulation requires no response from the operator. The stipulation addresses requirements for onsite activity which will be monitored through the Division's enforcement program.

Stipulation UMC 817.43-(1)-RPS. Within 60 days of permit issuance, the permittee shall submit a revised complete and technically adequate design plan for all diversions which incorporates correct hydrologic assumptions and meets the requirements of UMC 817.43.

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has revised Tables 7-1 and 7-2 to incorporate values calculated by the Division during the technical analysis stage of permit approval. The applicant must submit maps depicting the correct watersheds referenced for each structure. The Technical Analysis was written with the assumption the notation "M.D." related to riprap size means "median diameter" and not "maximum diameter". This should be stated on all applicable tables with a footnote.

The applicant has submitted a corrected plate depicting the watersheds (plate 7-1). Notation has been added where appropriate in the permit to clarify the use of M.D. as mean diameter. This stipulation has been addressed.

Stipulation UMC 817.49-(1)-RPS. Within 30 days of permit issuance, the permittee shall submit to the Division a commitment to conduct the inspection required by subsection (h) of UMC 817.49 and to submit the results of that inspection to the Division within 30 days following completion of construction of the proposed sedimentation pond.

INSPECTION REPORT
(continuation sheet)

Page 4 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION 10/17/88

(Comments are Numbered to Correspond with Topics Listed Above)

Status. The applicant has committed to the above. This stipulation has been addressed.

Stipulation UMC 817.56-(1)-RS. Within 30 days of permit issuance, the permittee shall commit to renovating the permanent diversion labeled as UD-1 prior to final abandonment of the site. The commitment should include intent to ensure the capacity and stability criteria of the proposed design are adequately met and all necessary structural features are in good repair, functional and constructed as per the approved design.

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has committed to the above items on 7-4a(1) of section 7.4.2.1. This stipulation has been addressed.

Stipulation UMC 817.46-(1-6)-RPS.

1. Within 30 days of permit issuance, the permittee shall submit to the Division a commitment to maintain a minimum detention time of 24 hours in the sedimentation pond for all 10-yr, 24-hr and lesser precipitation events.

Status. Refer to Rick P. Summers July 27, 1987 letter to the file. Page 7-6a of the response commits to a minimum of 24 hours detention time prior to manual dewatering. The requirements of this stipulation have been met.

2. Within 30 days of permit issuance, the permittee shall submit detailed information regarding the sediment pond clean out. This information should include elevation of 60% volume, elevation of maximum sediment storage volume, location of sediment marker in pond, and a commitment to clearly mark the referenced elevations on the stake.

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has provided the necessary information on page 7-6, section 7.2.4.3. of the submittal. This stipulation has been adequately addressed.

3. Within 30 days of permit issuance, the permittee shall provide correct assumptions and peak flow values for design flows used for the design of the sedimentation pond.

Status. Refer to Rick P. Summers July 27, 1987 letter to the file. The applicant incorporated the Division's values from the technical analysis into Table 7-4. The applicant should submit stage-discharge curve demonstrating the primary spillway is capable of passing this flow. The assumptions used in the preparation of the curve should

INSPECTION REPORT
(continuation sheet)

Page 5 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION 10/17/88

(Comments are Numbered to Correspond with Topics Listed Above)

also be included and referenced to applicable Plates as needed. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has submitted a stage-discharge curve for the sediment pond. Technical analysis of the curve is attached to this memo. This stipulation has been adequately addressed.

5. Within 30 days of the permit issuance, the permittee shall submit to the Division a commitment to inspect the sedimentation pond during construction and submit certified as-built drawings of the structure. These must be conducted by a registered professional engineer.

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant states this information is found in Appendix 7-C. This section contains a certification statement, however a certified drawing (nor commitment) of the structure has not been submitted. The applicant has committed to submitting this information to the Division within 30 days of completion of the construction of the sediment pond. The pond is currently constructed, however the sediment volume is approaching the level required for cleaning. The Division feels that an as-built certified drawing of the pond following the sediment removal would be more useful and applicable to the rules for this situation. The applicant is currently studying alternatives for a waste disposal area. When an area is approved, the applicant will clean the pond. Therefore, drawings of the as-built nature of the pond are not required at this time. The commitment to supply these drawings satisfies the stipulation.

6. Within 30 days of the permit issuance, the permittee shall provide a correct Plate depicting the location of sampling station SS-7.

Status. Refer to Rick P. Summers July 27, 1987 letter to the file. The applicant has submitted a revised plate depicting the sampling location (Plate 7-1). The requirements of this stipulation have been adequately addressed.

Stipulation UMC 817.47-(1)-RS.

1. Within 30 days of the permit issuance, the permittee shall submit adequate designs for the energy dissipator for the primary spillway. These designs must be based upon the expected velocity for the discharge from a 10-yr, 24-hr precipitation event.

INSPECTION REPORT
(continuation sheet)

Page 6 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION 10/17/88

(Comments are Numbered to Correspond with Topics Listed Above)

Status. Refer to Rick P. Summers October 22, 1987 letter to the file. The applicant has not addressed all of the above items as mentioned in the above letter. However, technical analysis of the proposed structure was performed and found to be adequate. It should be noted that the site configuration required the use of several assumptions for the design analysis. Due to the limited space available for the dissipator, standard design practices were impractical. The technical analysis indicated that the structure will perform satisfactory, however adjustment of the design will be required if inspection of the structure indicates improper functioning during flow events. This stipulation has been addressed adequately.

Stipulation UMC 817.48-(1-2)-JSL.

1. Within 90 days of permit approval the permittee will provide the Acid-Base potential (ABP) data for the pad materials. If the ABP from the pad is found to be less than or equal to -5 tons CaCO₃/1000 tons Material, the permittee must submit to the Division within 90 days of permit approval a plan to abate the potential contamination of groundwater.

Status. Refer to James S. Leatherwood's July 10, 1987 letter to the file. The applicant has adequately addressed the requirements of this stipulation. The pad analysis, found in Appendix 6-D, indicates that the pad materials are not acid or toxic forming.

2. Signs and Markers. The haul road entrance sign was down. The sign was reposted before the inspector left the site.

4. Hydrologic Balance:

b. Diversions.

N88-27-6-3, 1 of 3 was issued for failure to finish the UD-1 culvert installation as required per the field amendment ACT/043/008-88E. The operator has until November 15, 1988 to complete the culvert installation to the county road right of way (approximately 40 additional feet). The operator was reminded to install the energy dissipater per the above mentioned field amendment.

INSPECTION REPORT
(continuation sheet)

Page 7 of 7

PERMIT NUMBER: ACT/043/008

DATE OF INSPECTION 10/17/88

(Comments are Numbered to Correspond with Topics Listed Above)

e. Surface and Groundwater Monitoring.

N88-27-6-3, 3 of 3 was issued for failure to collect water samples for the month of September, 1988. Since there is no remedial action possible, this violation was terminated on the same day of issuance. However, the operator is required to follow his approved plan.

6. Disposal of Development Waste and Spoil. In the September 23, 1988 inspection report, the operator was informed that the stacked waste coal (at the temporary storage facility located between the truck road entrance and the intake portal) must be one (1) to two (2) feet below the top of the undisturbed drainage berm. The operator had complied with this request.

N88-27-5-1

N88-27-5-1 was modified to extend the abatement to November 7, 1988. The violation was issued on September 23, 1988 for failure to abide by permit conditions for temporary storage of underground waste. The operator has removed about 10 percent of the waste material. Approximately 10,000 cubic yards of waste material remains on site.

13. Revegetation. N88-27-6-3, 2 of 3 was issued for failure to conduct vegetation sampling and submit reports by September 2, 1988 as per Division directive dated June 15, 1988. Since there is no remedial action possible, this violation was terminated on the same day of issuance.

15. Cessation of Operations. On October 13, 1988, the operator requested a temporary cessation of operations. On October 24, 1988, the Division informed the operator to abide by the requirements of UMC 817.131 by November 14, 1988.

Copy of this Report:

Mailed to: Jack Blonquist (Manager), Price Office and Brian Smith (OSM)
Given to: Sue Linner and Joe Helfrich - DOGM

Inspectors Signature and Number: *Harold J. Harold* #27 Date: 10/25/88