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# State of Utah

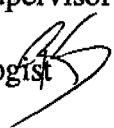
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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

October 15, 1992

TO: Daron Haddock, Permit Supervisor

FROM: Rick P. Summers, Hydrologist 

RE: Review Adit # 1 Area Discharge Proposal (received June 19, 1992), Castle Gate Mine, AMAX Coal Company, ACT/007/004-92D, Folder #2, Carbon County, Utah

## SUMMARY

In accordance with Stipulation under Docket 91-001, AMAX Coal Company has submitted revised plans for the Adit #1 and Gravel Canyon areas of the Castle Gate Mine. These plans were received by the Division on June 19 and July 8, 1992. A portion of that submittal has been amended to address the discharge from Adit #1. The discharge is considered relatively small (1.1 gpm) and is currently discharging from the portal onto the surface disturbance in an uncontrolled manner. The discharge ultimately reports to the small sediment pond for treatment. The proposal includes:

1. Installation of a pipe to convey the discharge from the portal under State Highway 6 to the Price River.
2. Presentation of discharge water quality data that demonstrates the untreated discharge meets effluent limitations (40 CFR).
3. Modification of the water monitoring plan to include the discharge as a sampling location in the routine quarterly sampling. The sampling location is identified as BM-30 and is depicted on Exhibit 7-3.
4. A copy of a letter from the Department of Environmental Health, Bureau of Water Pollution Control signed by Don Hildeman dated May 29, 1992 which states that a UPDES permit will not be required for this discharge.
5. A revised map depicting the discharge location and associated discharge lines.

## **R645-301-700 RULES RELATIVE TO MINE DISCHARGES**

- 731.222.2 For **point-source discharges, monitoring will be conducted in accordance with 40 CFR Parts 122 and 123, R645-301-751 and as required by the Utah Division of Environmental Health for National Pollutant Discharge Elimination System (NPDES) permits;**
- 742.214. For the purposes of **UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES**, any point-source discharge of water from underground workings to surface waters which does not meet the effluent limitations of R645-301-751 will be passed through a siltation structure before leaving the permit area.
- 731.520. Gravity Discharges from **UNDERGROUND COAL MINING AND RECLAMATION ACTIVITIES**.
- 731.521. Surface entries and accesses to underground workings will be located and managed to prevent or control gravity discharge of water from the mine. Gravity discharges of water from an underground mine, other than a drift mine subject to R645-301-731.522, **may be allowed by the Division if it is demonstrated that the untreated or treated discharge complies with the performance standards of R645-301 and R645-302 and any additional NPDES permit requirements.**
- 731.522. Notwithstanding anything to the contrary in R645-301-731.521, the surface entries and accesses of drift mines first used after January 21, 1981 and located in acid-producing or iron-producing coal seams will be located in such a manner as to prevent any gravity discharge from the mine.
- 731.720. A **map** showing the locations of each water diversion, collection, conveyance, treatment, storage and **discharge** facility to be used. The map will be prepared and certified according to R645-301-512;

Pursuant to the aforementioned rules, it is recommended that approval for the proposal be granted.

cc: R. Harden  
D. Haddock  
B. Richards  
S. Falvey

ADIT1PIP.RS