

PLATEAU MINING COMPANY

A Subsidiary of Getty Mineral Resources Company

P.O. Drawer PMC

Price, Utah 84501-0904

Telephone (801) 637-2875

File ACT/007/006
 Copy to Dave
 & Sally
 JIM

OCT 27 1981

October 22, 1981

Mr. Dave Lof
 Division of Oil, Gas, and Mining
 1588 West North Temple
 Salt Lake City, Utah 84116

OCT 28 1981

DIVISION OF
OIL, GAS & MINING

Dear Dave:

Enclosed is the balance of the information you requested in your October 7th letter.

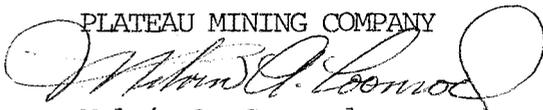
- (1) Topography map, shows refuse area [Plate 3-1 of MPR is also being corrected.]
- (2) Marv Allen of "Vaughn Hansen & Associates" did hydrology work - see attached letter.
- (3) A copy of the land fill permit is attached with PMC's description of the same (including types of trash inventoried.)
- (4) PMC feels there will be no toxic or acidic material generated in the trash. However, PMC will either pump all solution from the bin or use an absorptive material on the floor to further safeguard against such an eventuality.
- (5) Do to the nature of coal mining, it is impossible to accurately predict the amount of trash generated on a regular basis, so a line will be painted on the bin with instructions that when the trash encroaches this line (app. 60% of capacity) the bin is to be emptied.
- (6) A concrete berm will be formed which will contain fluids but allow access by end loaders.
- (7) The run off in the balance of the storage area will be entrapped in a 10' X 30" X 3.4' catch basin at the southern extreme.
- (8) PMC feels that the reclamation bond is more than adequate when you consider the vast sums already spent and the degree of success achieved.

- (9) The high wall above the bin is comprised largely of rock and appears stable. In addition, PMC has left a 10' to 12' area between the high wall and the enclosure to maintain the ditch.
- (10) Fire extinguishers will be installed at convenient locations adjacent to the bin.

Dave, as I'm sure you're aware Winter is rapidly closing in on us, and I would like to remedy this situation as soon as possible. I would greatly appreciate a call if the permit to proceed is at all possible.

Sincerely,

PLATEAU MINING COMPANY



Melvin A. Coonrod
Environmental Coordinator

Enclosure

MAC/jlf

cc: Steve Rigby
Menco Copinga

Scott M. Matheson
Governor

STATE OF UTAH

DEPARTMENT OF HEALTH

DIVISION OF ENVIRONMENTAL HEALTH

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110



Alvin E. Rickers, Director
Room 426 801-533-6121

James O. Mason, M.D., Dr.P.H.
Executive Director
801-533-6111

May 7, 1981
533-4145

DIVISIONS

Community Health Services
Environmental Health
Family Health Services
Health Care Financing
and Standards

OFFICES

Administrative Services
Health Planning and
Policy Development
Medical Examiner
State Health Laboratory

Mr. John F. Rosner
Mine Engineer
Plateau Mining Company
P.O. Drawer PMC
Price, UT 84501

RE: Approval of Solid Waste
Disposal Site at WATTIS Mine

Dear Mr. Rosner:

This office has received and reviewed the plans and related information requesting approval of a solid waste disposal site at the above mentioned mine. The proposed site was inspected on April 30, 1981, by Mr. Kent Montague of this office. The plans, specifications and location for the landfill appear to be in compliance with the Utah Code of Solid Waste Disposal Regulations and are hereby approved. This letter will serve as your formal operation permit.

This approval is issued on the condition that the facility be constructed and operated in accordance with the plans which you submitted and in compliance with applicable local, state and federal regulations.

If you have any questions regarding the foregoing, please feel to contact this office.

Sincerely,

Dale D. Parker, Ph.D.
Director
Bureau of Solid Waste Management

KM:jw

cc: Gerald Story (Southeastern District Health Dept.)
Jim Smith (Utah State Div. of Oil, Gas and Mining)

357

PLATEAU MINING COMPANY

A Subsidiary of Getty Mineral Resources Company

P. O. Drawer PMC

Price, Utah 84501

Telephone (801) 637-2875

February 20, 1981

Mr. Kent Montague
Utah State Department of Health
Division of Environmental Health Services
Bureau of Solid Waste Management
150 West North Temple
Salt Lake City UT 84110

Re: Request for Solid Waste Disposal
Permit

Dear Mr. Montague:

Enclosed you will find Plateau Mining Company's request for a permit to construct and operate a solid waste disposal site on its property at the old town of Wattis, Utah.

Should you require additional information in this regard, do not hesitate to contact me.

Sincerely,



John F. Rosner
Mine Engineer

JFR:ajc

Encl.

REQUEST FOR SOLID WASTE DISPOSAL SITE PERMIT

Plateau Mining Company
P.O. Drawer PMC
Price UT 84501

Pursuant to the Utah State Health Department regulations concerning solid waste disposal, Plateau Mining Company hereby requests a permit to construct and operate a solid waste disposal site on its property at the old town of Wattis, Utah, about 20 miles southwest of Price, Utah.

The proposed site will serve one family of 3 and the Star Point No. 1 and Star Point No. 2 Mines which are operated by the applicant. The total surface area of the site will not exceed three (3) acres. The proposed location of the site lies in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10, Township 15 South, Range 8 East, Salt Lake Base and Meridian. (Refer to Exhibit B).

The vast majority of the anticipated solid waste is generated by mining and maintenance operations and includes items such as empty cans, empty rock dust sacks, broken plastic and fiberglass water pipes, broken cement blocks, worn-out conveyor belt, etc. A small amount of normal household refuse is generated by the family that lives at the mine site, and this material would be disposed of at the proposed disposal site. The total quantity of waste to be deposited in the site is estimated at 400 cubic yards per year.

Geologically, the proposed site lies at the base of an erosional escarpment which forms the eastern face of the Wasatch Plateau, a subdivision of the Colorado Plateau physiographic province. The escarpment is formed by resistant formations of the Upper Cretaceous Mesaverde Group which overlies the Mancos Shale Formation. These formations are well exposed on the west flank of the northwest-southeast trending San Rafael Swell. Economically, the area is of significant interest because of extensive coal deposits found in the lower part of the Blackhawk Formation (part of the Mesaverde Group).

Soils in the area have been derived mainly from the Masuk Shale Member of the Mancos Shale Formation, while some have been developed from the remnant sandstone caps overlying the shales; they are best

described as light brown, yellowish-brown, and brown silty fine to coarse sand with fine and coarse gravel and occasional cobbles. The level of the water table in the area of the proposed site is approximately 400 feet below the ground surface (about 7000 feet above sea level).

Cover material can be obtained at the site itself and from a "borrow pit" located about one mile west of the proposed site. In either case, the cover material characteristics are the same as the soils described above.

Equipment to be used for excavating, earth moving, spreading, and compaction includes a Caterpillar D8K bulldozer and a Hough 560 front end loader. This equipment is maintained in working order and will be available for use at the proposed site whenever needed. Other equipment which will be available when needed includes: (1) A 4000 gallon water truck equipped with a pump, which is capable of delivering 200 GPM for fire control, and (2) A snow plow which will assure year-round accessibility to the site.

Control of access to the area will be accomplished by the main gate at the entrance to Plateau Mining Company's property. It is felt that wind-scattering of waste material will not be a problem for two reasons. First, the proposed site is in an area which is relatively well protected from high winds, and secondly, most of the waste material to be deposited at the site is of sufficient weight so as not to be easily scattered by wind.

Attachments to this request include:

- 1) A map which shows the exact location of the proposed solid waste disposal area, buildings in the immediate vicinity, surface drainage channels, and general topography. (Exhibit B).

- 2) A map showing land ownership in the area. (Exhibit A).



CONSULTANTS / ENGINEERS

VAUGHN HANSEN ASSOCIATES

WATERBURY PLAZA - SUITE A
5620 SOUTH 1475 EAST
SALT LAKE CITY, UTAH 84121
(801) 272-5263

October 15, 1981

Mr. Melvin Coonrod
Environmental Coordinator
Plateau Mining Company
Drawer PMC
Price, Utah 84501

Dear Melvin:

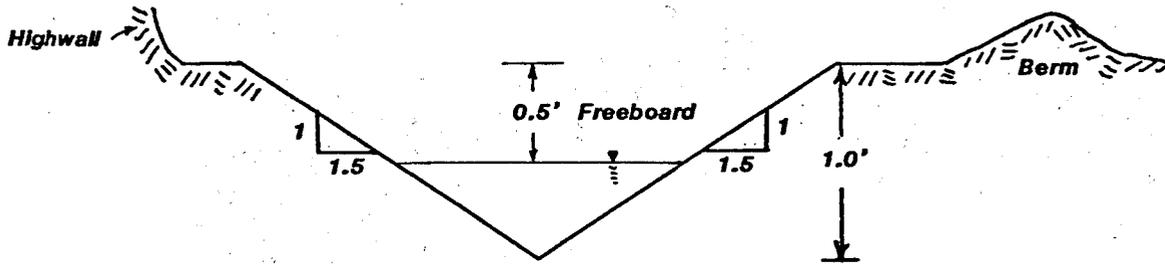
As you requested, the adequacy of the three, 15-inch downspouts, located along the upper access road between the Lion Deck and Star Point portals, has been determined. The three culverts shall be referred to herein as Culverts No. 1, No. 2, and No. 3 with Culvert No. 1 being the 15-inch culvert and downspout from the Lion Deck refuse bin area, Culvert No. 2 being the 15-inch culvert and downspout located two drainages to the east of Culvert No. 1, and Culvert No. 3 being the 15-inch culvert and downspout located three drainages to the east of Culvert No. 1.

Peak discharges from the accompanying drainages for each culvert were determined by the SCS unit hydrograph technique. As required in Section UMC 817.163 of the Final Rules and Regulations of DOGM for a "Coal Mining and Reclamation Permanent Program", the 10-year, 24-hour precipitation event was used as the design storm in determining the design discharge for drainage facilities for Class II roads. Estimated 10-year, 24-hour peak discharges are presented below:

<u>Culvert No.</u>	<u>10-year, 24-hour Peak Discharge cfs</u>
1	0.53
2	1.07
3	0.50

A 15-inch culvert with inlet control and with a headwater depth to diameter ratio equal to one will adequately pass a design flow of 3.6 cfs. Therefore, the existing 15-inch culverts and downspouts are more than adequate to pass the 10-year, 24-hour peak runoff event.

Also, as per your request, included herein is the design of the undisturbed area by-pass ditch located at the base of the highwall on the pad containing the Lion Deck refuse bin. The design flow for the ditch is the same as that indicated above for Culvert No. 1. As indicated by Steve Rigby of your office, the design slope for the ditch is to be 1.0 percent. The minimum ditch design is illustrated on the following page.



Triangular Diversion Cross Section

At a design flow of 0.53 cfs, a design slope of 1.0 percent, and the triangular cross section illustrated above; the velocity will equal 1.7 feet per second. Therefore, erosion control measures for the channel should not be needed.

Sincerely,

Marvin E. Allen
Engineer/Hydrologist

MEA/lg