

UNC PLATEAU MINING



Subsidiary of United Nuclear Corporation
A **UNC RESOURCES** Company

P.O. Drawer PMC
Price, Utah 84501

Telephone 801/637-2875

June 13, 1979

Mr. John Barton
District Manager
Department of Labor-MSHA
P. O. Box 25367, DFC
Denver CO 80225

Subject: Refuse Pile I.D. No. 1211-UT-9-0032;
Plan review letter dated June 7, 1979

Dear Mr. Barton:

In response to your letter dated June 7th and Mr. Ken Cudworth's memorandum to you dated May 23rd, I asked Mr. Larry Wilson of your office to visit the refuse pile location. He was able to inspect the site during construction, review the drainage system, and determine the function of the proposed fill.

In support of our discussions during his visit I am enclosing a 1000 scale map showing the drainage system. Because of Mr. Cudworth's concern, it is necessary to redefine the affected drainage into the culvert. Mine access roads divert most of the original drainage area away from the culvert. As a result only 71 acres of the original 173 will actually drain into the culvert.

The fill is required in support of our new mine access road and overland belt conveyor. Once completed and constructed to grade, the fill over the culvert will not be active. Backfill of the culvert and construction of the fill has been designed to reduce settlement.

Ten to twelve feet of the outside skin of the fill is compacted dirt material and only the side core is coal refuse. This refuse is constructed according to a study completed by Dames & Moore, consultants for stability and construction of our active Coal Refuse Pile No. 1211-UT-9-0008. Our construction method is well within that recommended. (A copy of this report is available if required.)

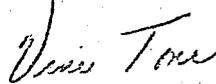
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The initial culvert design was completed after consultation with the District Four, Utah State Department of Highways design engineer. He is a graduate hydrologist and responsible for culvert design. The design criteria now used is extremely larger in magnitude. Even then the maximum backwater elevation calculated using a drainage of 7.1 acres and a 6 inch per hour rainfall intensity is 10.5 ft. At this elevation only 1 acre-foot of water will be backed up behind the fill. If the fill was to back up water to overflowing, a maximum elevation of 40 feet would store only 16.2 acre-foot of water.

Drainage below the culvert would not affect the office area. The tipple load-out, tracks, and a surface shop built by the old Lion Coal Company could be affected. However, drainage from 8 to 10 times the area included from the culvert has always been through the tipple area. No severe adverse damage has occurred in 80 years.

I hope that requirements for approval of our plan do not become uncontrolled and immediate review can be completed. Thank you for your understanding and cooperation.

Sincerely yours,



Vincent F. Tonc P. E.
Mine Engineer
UNC PLATEAU MINING

VFT:aj

cc: E. A. Shaw ✓
F. J. Tucker

Encl.