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CYPRUS
Plateau Mining

Cyprus Plateau Mining Corporation
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(801) 637-2875

November 25, 1991

Ms. Pamela Grubaugh-Littig
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Littig

Re: Additional Information - Impoundment Variance

The enclosed maps are the original engineering design maps for the Underflow Treatment ponds prepared by Vaughn Hansen Associates.

In checking with Marv Allen at Hansen, Allen and Luce, the company succeeding Vaughn Hansen Associates, it has been determined that there are no calculations available for the overflow pipe out of the clear water reservoir associated with the treatment ponds. The overflow pipe was mandated by the Utah Water Pollution Control office, but no discharge is allowed from the pipe due to the Colorado River Salinity requirements.

Other details of the ponds design, including the perimeter ditch are shown on the enclosed maps.

If we need to provide calculations for the overflow pipe or anything else, we could do post construction calculations.

Since the ponds cannot discharge and surface runoff is diverted away from the ponds, we reiterate our request for a variance from the requirements to have two spillways from these ponds. In this case, providing calculations is academic.

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Two spillways could be constructed at the treatment ponds, however, we would prefer to have an exemption since the ponds are required to have no discharge. Two spillways would be harder to control and would add a greater risk of discharges from the ponds.

Respectfully,

Ben Grimes
Sr. Environmental Engineer

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