

007/004 #2

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April 26, 1993

Mr. Daron R. Haddock
Utah Division of Oil, Gas and Mining
350 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

SUBJECT: Permit 007/004 revisions concerning the Preparation Plant and Refuse Disposal Facility, Castle Gate Mine, Carbon County, Utah.

Dear Mr. Haddock:

On April 13, 1993, Amax Coal Company submitted revisions to the Castle Gate Mine permit relating to the Preparation Plant and Refuse Disposal area. Those revisions included Appendix 3.4J, which consists of hydrologic calculations for the Refuse Disposal area. Currently, Appendix 3.4J includes a design for a stilling well to be placed at the base of the proposed high density polyethylene (HDPE) extension of culvert CGC-4. The culvert is designed to terminate at the 60% sediment cleanout level of Pond 013.

As a result of discussions between Mr. Richard Allison (Amax Coal Company) and myself since the submission of those revisions, an alternative design for the outlet of the extension of culvert CGC-4 has been developed. The difficulty in transporting a prefabricated stilling well to Pond 013 has necessitated an alternative design. In lieu of a stilling well, sections of half-round CMP culvert can be placed from the outlet of the HDPE pipe to ten feet beyond the edge of the base of the pond. This solution will prevent erosion of the pond inslopes, and the CMP culvert sections can be transported and placed with relative ease. The enclosed calculations supporting this solution are to be inserted into Appendix 3.4J as a supplement. Page 3.4-9 of the permit text has been amended to briefly describe this alternative.

Please call me if you have any questions concerning the attached hydrologic calculations or the implementation of this solution.

Sincerely,

William S. Hendrickson, P.E.
Civil Engineer

Enclosures

cc: Richard Allison, Amax Coal West

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APR 28 1993

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