

December 8, 1983

Memo to Coal File:

RE: Determination of Completeness
Meeting with U. S. Steel
Corporation
Wellington Prep. Plant
ACT/007/012, Folder No. 2
Carbon County, Utah

UMC 783.13(a)(1)(2) Description of Hydrology and Geology

1. It has been explained that dip and strike readings are not practical in this area as the result of the weathering nature of Blue Gate Shale/Unnamed Shale Member.
2. The geologic map they utilize in their mine permit application is an exact copy of USGS Map I-1178 and does not show any joints or faults. A preliminary geologic survey initiated by Wellington in 1968 did not result in delineation of these features either.
3. The Blue Gate Shale is part of the Unnamed Shale Member of the Mancos Shale Group via referenced i.e., Monograph Series and USGS Map I-1178.
4. The N 15°E 40°W dip and strike reading is referenced from the preliminary geologic survey in 1968 and the USGS Map I-1178 and is a general average reading for the area.
5. The Farnham Anticline is southeast of the prep. plant area.
6. Agreed to take out statement that on the basis drill data the Blue Gate Shale is sufficiently thick to prevent seepage loss to underlying Ferron Sandstone.

(a)(2)(ii) They and we have acknowledged that potential toxicity is covered elsewhere in mine plan.


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DD/btb