

November 23, 1983

Inspection Memo  
to Coal File

RE: Valley Camp of Utah, Inc.  
Belina Complex  
ACT/007/001, Folder No. 7  
Carbon, County, Utah

On November 9, 1983 a partial inspection of the Valley Camp facilities was conducted by Ken Wyatt of the Division of Oil, Gas and Mining. Mr. Keith Fenstermaker accompanied this inspector on the field tour.

At this time the mine water filter pond was still inoperable due to leakages between the joints of the concrete walls. Cell #2 had been pumped of water to allow access in the cells in order to seal them from the inside. No discharge was occurring at this time. Mine water being produced was being pumped to sediment pond #4.

The discharge from sediment pond #4 was sampled at 10:47am. Results of this sampling reflect TSS levels at 27 mg/l. The operational status of the mine water filter pond should be rectified at the earliest time to prevent future overloading of the sediment pond as has occurred during the spring and summer of 1983. Table 1 below summarizes data gathered by DOGM personnel during 1983 from the sediment pond #4 discharge point. These data indicate that the effluent from the sediment pond is continuously borderline in quality in relation to effluent limitations.

DATE	TIME	TSS (mg/l)
4-26-83	1159	40
6-23-83	1514	157
8-04-83	1327	39
8-12-83 No. 1	1300	49
8-12-83 No. 2	1300	55
8-18-83	1555	23
8-24-83	1517	43
9-01-83	1415	18
9-28-83	1010	37
11-09-83	1047	27
n=10		$\bar{x}=46.0$

TABLE 1

Inspection Memo to Coal File  
ACT/007/001, Folder No. 7  
November 23, 1983  
Page 2

As discussed in a letter dated June 27, 1983, from Tom Munson, hydrologist for DOGM, "the existing sediment pond needs to be cleaned up and maintained and the storage volume brought back to an acceptable level." Valley Camp should seriously consider dredging the sediments from this pond to help alleviate future effluent violations.

Visual observation of sediment pond #4 reveals a delta protruding approximately one half of the way out into the pond from the inlet culvert. Sediment accumulations in the pond should be removed to restore the sediment storage capacity or documentation from Valley Camp should be submitted to DOGM detailing the facts that appropriate volumes are currently being maintained by the existing conditions of this pond.

In the Valley Camp ACR response received by DOGM on June 10, 1982, appendix A details the sediment pond design and maintenance. Under the maintenance provisions of this report it stated that pond cleaning should be conducted at a very minimum once every twenty one months. It was advised by Golder Associates, the contracted designers of the pond, that the pond cleaning interval be reduced to twelve to eighteen months. See page 15 of appendix A located in Volume 5 of Valley Camp's MRP.

After perusing the Valley Camp files, it appears as though the pond has been in operation since January 1980. The pond has been operational for 34 months, exceeding the recommended minimum interval between cleaning by over one year and is almost twice the advised period for cleaning.

It was also recommended in the Golder Associate report that an annual inspection of the pond should be conducted. The sediment level in the pond is only one of ten items that should be inspected during this annual inspection. This sediment pond situation will be pursued in the future.

The newly surfaced access road culvert outlets were examined. No problems were observed with the downslopes or erosion there of. Future inspections will be conducted to determine the condition and stability of these drainage areas after this winter.

The inlets to the road's cross culverts may present a problem in that water potentially flows with enough volume and velocity on the steeper gradients to overflow the drop inlet and continue on down in the road's ditch. This is especially a potential problem at the Belina Mine perimeter where the drop inlet in the ditch collects disturbed area runoff from the Belina portals and material storage areas. This disturbed area drop inlet channels this runoff to the truck turnaround pad and subsequently to the sediment pond. Should this water overrun the inlet, a potential exists that disturbed area runoff would bypass sediment controls resulting in a violation of UMC817.42(a)(1). Valley Camp may want to consider modifying these inlets to prevent such an overflow. Future inspections will determine the need for such a modification.

Inspection Memo to Coal File  
ACT/007/001, Folder No. 7  
November 23, 1983  
Page 3

At the Utah #2 loadout sediment pond #2 had been cleaned of sediment since the last inspection. The excavated material was utilized on the base of the coal stockpile pad as approved by Jim Smith on September 28, 1983. Sediment ponds #1 & #3 both were retaining water and appeared stable with plenty of volume remaining for sediment and water storage.

At the truck scale facility, the road up past the scales to the truck turn around area has been paved since the previous inspection. At this time Valley Camp is still awaiting Utah Power & Light to remove the one power pole located on the island between the truck scale and State Highway 96. Three new poles were observed in place in order to reroute the existing power line once the one pole is removed. When the one pole is removed, the soil material in the island can be relocated and compiled with the existing material currently being stored across from the Utah #2 portals. Once the two sources are combined they should be contoured into a stable configuration. Mr Whiteside agreed to have this substitute topsoil material bermed, seeded and posted with a topsoil sign by December 1, 1983.

Following the power pole removal, the island will be recontoured to a stable slope and then permanent sediment control will be installed at the access point with State Highway 96. Mr. Whiteside has agreed to install catch basins on both sides of the new access road along the ditch. Gabion type structures will then be constructed at the outlet to these catch basins. The adequacy of these sediment control techniques will be examined on subsequent inspections.

The old access road into the Utah #2 loadout area was still functional at this time. This road needs to be reclaimed as per the original submittal received by the Division. This work will also be examined on subsequent inspections. No violations were issued.

*KW*  
KEN WYATT  
FIELD SPECIALIST

KW/re  
cc: Tom Ehmett OSM  
Trevor Whiteside, Valley Camp of Utah  
Joe Helfrich, DOGM  
Thomas Tetting, DOGM

Statistics:

See Wilberg Mine Memo dated November 21, 1983  
Grant: A&E