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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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October 24, 2000

TO: Minerals File

FROM: Doug Jensen, Senior Reclamation Specialist

RE: Site Inspection, North Lily Mining Company, Tintic Project, M/023/007, Juab County, Utah

Date of Inspection: October 23, 2000
Time of Inspection: 9:30 a.m.
Conditions: Cool, Windy
Participants: Beth Wondimu - DWQ, & Doug Jensen - DOGM

Purpose of Inspection: Check site conditions for bi-monthly tele-conference

When Beth and I arrived there were no North Lily personnel on the site (we had talked to Walt on the highway, he stated that he would not be at the site due to prior commitments). The mister spray system was operating in both the preg and over-flow ponds. The preg pond solution level had dropped since my last visit on October 5, 2000, there was approximately 150,000 gallons in the pond. The pump back system from the overflow pond was not operating at the time of the visit. There was only about a foot and a half to two feet of solution in the deepest portion of the overflow pond. Solution levels at the site looked very good, but with the cooler temperatures of the season, evaporation rates should start to diminish. With the advent of cooler weather, the installation and operation of the solution injection system would be an excellent tool to help control the solution inventory. Because the over-flow pond can only be used until December 31, a back-up system needs to be in place before that time. Solution inventories could possibly become critical before the weather warms enough to be able to evaporate solutions faster than it is being added to the system.

Heap recontouring would also help to reduce the solution inventories. The result of the recontouring would be allowing a portion of the precipitation that falls on the heap to leave the containment area without having to be handled by the solution management system. Also, with the changing seasons, completing this task before the heap becomes frozen would cut the amount of time required to complete this task.

Beth and I walked over the heap reviewing the amount of area that would be covered by the recontouring. One area that will be difficult to reslope is directly above the preg pond. Because the pond is scheduled to remain until next year, a different approach will need to be taken to complete work in this area. Because the heap was recontoured previously, slope reduction will be the majority of the work. Also an area in the middle of the heap will need to be shaped because is presently has the capacity to retain water.

Because of several precipitation events in the last month, the barren pond has begun to collect water. A decision needs to be made concerning the sludge in the bottom of the pond before it becomes inundated.

After looking over the site of the proposed injection system, Beth and I returned to Salt Lake.

jb
cc: Steve Fletchner, NLMC
Bob Bayer, JBR
Beth Wondimu, DWQ
Pam Grubaugh-Littig, DOGM
Wayne Hedberg, DOGM
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