

To ..... H.E. Pawson; File .....  
From ..... M.E. Lane .....  
Subject ..... Mill Waste Treatment .....

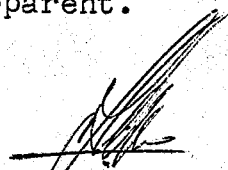
Date ..... September 16, 1970 .....  
Ref. ....

The results of laboratory experiments indicate that an improvement in arsenic suppression could be obtained by treating the high and low arsenic solutions separately. Addition of 3 lbs. of lime per ton of solution to the high arsenic solutions, and 0.5 lbs./ton to the low arsenic solutions should be sufficient to maintain the soluble arsenic below 5 ppm.

This would mean an increase in lime consumption of the order of 17 or 18%.

The current process of treating the bulk of waste solutions in a thickener results in a soluble arsenic level of approximately 14 ppm. However, the closure of the Kiln Plant will facilitate transfer of mill waste treatment to an agitator which has proved more successful in the past. Any other modification to the process could be postponed until the effect of improved agitation is apparent.

MEL/mw

  
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M.E. Lane  
Mill Engineer