

Notes of a Meeting
Held in Toronto
December 3, 1979

*Agreed
Dec 12/79
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Present were: LSP, FGTP, PJR, WAM and DJE

We met in Raleigh's office to discuss the arsenic project and to try to come to some sort of consensus on what should be done.

Atmospheric Leach

Product quality is good on this approach providing that there is adequate pH control. It is a high capital cost proposal (\$2.2 million) but PJR feels that these can be reduced.

High Pressure Leach

Preliminary work at the Falconbridge Lab by Hatch has shown that it is possible to follow the Japanese curve. Labour is the dominant factor in this method, although capital is somewhat lower than in the atmospheric leach (\$17. million).

Pickard pointed out that it would take two years to pilot plant the method. There are both technical and mechanical problems that would have to be researched and overcome. Pump deliveries would be 13 weeks. He felt that the delay time would cancel out any of the capital cost benefits of the pressure leach system.

There might also be an infringement of patents and litigation involved. Price suggested we go with the atmospheric leach and retro-fit for pressure leach if necessary at a later date, especially to handle the Con material.

Pickard noted that we might also end up getting more antimony and iron in solution with the pressure leach system.

Vapourization

PJR wants to price up this approach as it can handle everything. He also noted that we had heat in the plant to do the job. Price suggested that we might have to add heat. The process seems to have a lower capital cost but there may be a problem in quality control. Raleigh stated that they are working up this project but if it is not an attractive one, he would suggest going to the hot water atmospheric leach as it is tried and true.

Pickard suggested that we would still have to pilot the vapourization process even in the numbers looked good. Raleigh replied that we should know in two weeks whether to pursue this method.

Conclusion

It was generally agreed that because of timing delays that the pressure leach should be dropped and that if the preliminary work on the vapourization method showed no great advantage that we should go for the atmospheric leach.

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Load-Out Facility

It was recommended that we go for a load-out facility as there is a present market for the current baghouse production. For starters we could use a simple screw-conveyor and go to the load-out storage silos and loading equipment this spring.



D. J. Emery

/vb
December 11, 1979