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Notes of a Phone Call
To P. J. Raleigh
Re Arsenic Plant
December 14, 1979

During my call to Raleigh on Salsigne we covered the arsenic plant. John Hite of Koppers is coming to Toronto next week to talk to Pat about the possibility of buying all Giant baghouse production as is.

It sounds as if they are building an ammonia-leach process in Georgia that can handle any kind of arsenic product. There is some problem with the sludge which would be available to Giant. Raleigh and I discussed the possibility of putting up a small carbon plant in Georgia to treat the sludge.

He also reported that preliminary library research on the fuming process looks good. The capital should be around \$.5 million and we should be able to get 99% product. Operating costs would be less than 3¢ a pound. A high density gas is produced by fuming which is treated in two small baghouses (one 600 cubic feet, and the other 1000 cubic feet) under vacuum. The equipment is fairly small as the baghouses themselves are only 3 x 3 or 3 x 4'. Off gas from these baghouses would go into our present baghouse to ensure that nothing gets into the atmosphere.

Because of the high density nature of the fume gas, the antimony content of the product would be very low.

Howie Evans has looked at the system and says it's a good alternative to the hot water system.

Following their research on this, Raleigh and Price intend to get a small lab test done at the Falconbridge Lab to see if it is worth following up on. He will have something for me a little later this month.

I brought to his attention the fact that Dave MacPhail is getting anxious about our progress on arsenic upgrading and that I had told him we should have an answer by February.



D. J. Emery

/vb
December 17, 1979