

2 March 1995

Re: Teleconference With Dillon, March 2 1995

To: Dave Anthony
Royal Oak

The conference call was quite productive. We have commitment for a draft report delivered by FAX on the morning of March 20. We would provide comments by March 24 and the final report will be delivered on March 31.

Ron Hilburn got started off in what might have been a bit of a wrong direction. You will have noticed from his FAX earlier today that he is asking a lot of questions about arsenic removal. He is convinced that by maximizing the cooling of gases and detention times, arsenic mass emission rates could be reduced theoretically to one third of existing rates. These reductions would be achieved without otherwise changing the Cottrel or baghouse. I did not discourage him from including this in the report.

I did go over the original need for this report, that is to concentrate on identifying stack emission modifications that would increase plume dispersion and reduce ground level SO₂. Ron will conduct a sensitivity analysis to determine what the effect of changing stack height, gas exit temperature or velocity might be. Then, with some consultation with us about the feasibility of making any changes, Ron will be able to complete an assessment of control options.

We will work with the scenario that we want to achieve no exceedances of the NWT one hour SO₂ standard of 450 µg/m³ at a maximum emission rate of 65 - and this raises the question - tonnes or imperial tons?

I told Ron that you presently have not got a system to capture waste heat, but that you have lots of potential you can take off the roaster.

Is there somebody at Giant that we can contact regarding technical questions when you are unavailable? Please let me know the answers to my questions or call if you have questions of your own.


Jim Sparling

cc Ron Hilburn