Monsanto

FROM (NAME & LOCATION) W. A. Krull, Krummrich

DATE : September 24, 1971

SUBJECT : MONTAR INCINERATION

REFERENCE :

TO : Messrs. A. L. Rasmussen
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The addressees met on 9/23 to review the alternatives for safely dropping Montars from the #2 still at Dept. 246. A plan was drawn up for a trial run using the facilities as installed provided preliminary tests using the same waste and Montar indicate it will work.

The alternatives and results of evaluations are:

1. Add defoamer - Did not help.

2. Settle the waste and dry with a molecular sieve - Too much pollution.

3. Use excess water - Creates a dispersion which would be difficult to incinerate.

4. Reduce boildown and pre-cool Montars - A variation of this will be tested.

5. Use a pressurized trailer - Still a possibility but will cost more.

6. Use fuel oil - Not safe due to a low flash point.

This is the plan which is recommended:

1. When the Dept. 246 #2 still is ready, boildown will proceed normally to a point where it can be held at about 200 degrees C. for as long as 2 days. A sample will be sent to the lab for a lab trial.

2. Waste intended for incineration will be sampled for use in the lab trial.

3. Using a 2:1 waste to Montar ratio with the waste at 120 degrees F. and the Montar at 200 degrees C., a trial run will be made in the lab.

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4. If the lab test is successful, two half full drums of the same waste material will be sent to Dept. 246 where Montars at 200 degrees C. will be added. The drums will be checked to determine the extent of the foaming.

5. If the plant tests work out, the trailer containing enough waste to make a 3:1 waste to Montar ratio will be taken to Dept. 246 to try the installed equipment. Addition of the Montars will be slow with frequent checks to be sure the addition is proceeding safely.

If problems occur during the testing, the Montars can be dropped into drums as is now done and the procedures and alternatives re-evaluated.

I will handle the communications needed between the lab, and incinerator and 246 supervision. If anyone sees potential problems associated with this plan, please make them known. Tentative timing for the test run is the week of October 4.

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