Monsanto

FROM (NAME & LOCATION) R. W. Peterson - General Offices

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SUBJECT CEA 1430 - Aroclor - Anniston Bagging, Palletizing Rates - Analogous System

REFERENCE

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TO :

W. F. Taffee
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I reviewed the experience of Department 236 WGK (Prilled Penta) with supervisor Paul Erzer. They have a St. Regis Bagging Machine and manually palletize 50 lb. bags.

The St. Regis (one tube) bagger is capable of 3 bags per minute. For perfect labor utilization (less lunch and formal breaks) the capability rate would be 64,500 lbs. in 7.17 hours. Using a three man crew they actually get 55 - 57,000 lbs. per shift. This is machine rate limited and not manpower limited; that is, they do this work in about 6.8 hours.

This three man crew is completely self-sufficient. They bring in empty pallets from outdoors, and move full pallets to storage bays. Mr. Erzer says that the morale of this crew is good and that they can work all day at any assignment. They rotate by days rather than by the hour. He says that once you get used to it hand palletizing 50 lb. bags is not unduly tiring.

With only two men working, they are manpower limited and can only handle 37,000 lbs. in 6-6½ hours.

I hope this will be useful in planning your workforce for Aroclors and Biphenyl flakes. In this case, we will have two bagging tubes and be flaker limited. It would appear that a three man crew is required to handle our 4 bags a minute. The question is where is the interface between production and warehouse personnel? Perhaps the third man can be a warehouse fork-lift driver for full and empty pallet handling, who can also handle pallets of drums.

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