R. W. Peterson - General Offices

May 21, 1968

V. R HAUPT ←

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CEA 1430 - Expand Aroclor at Anniston
Item 801 - Revised Drum Filling Plan

W. F. Taffee
Anniston Plant

I am enclosing a copy of Toledo scale's latest quotation. This elaborates on the two alternate schemes I showed you on my last visit. Either scheme fills four empty drums on a pallet as you requested.

Here are answers to some of your questions:

1. They will guarantee 90% of the drums plus or minus 1 scale graduation, 95% - 2, 99.9% 3 graduations for material like our Aroclors.

2. A scale graduation will be one pound with the scale dial capacity 1000 lbs. I had misunderstood this point. The scale bed is rated four full drums and pallets, but three filling steps are followed by a re-zero tare. Hence, 1000 lbs. dial is correct.

3. The accuracy of either 55 gallon drums or 5 gallon cans remains 1 lb. for 90%, and is a function of dial capacity, and flow rate. With slower flow we could get 3/4 lb. accuracy.

4. The scale bed is a 20 times lever system transducing to a load cell.

5. Either proposal would have the same dial head as the single lance proposal I left with you. Only a little accuracy is lost between a floor scale and lever system.

6. Note that this proposal calls for a double photo electric cutoff clutch, adjustable interceptor type.

7. The four spout filling alternate can be adjusted for either 55 gallon or 30 gallon drums (2¾ inch height difference), but 5 gallon cans are out of consideration for this unit.

8. The twin lance unit can be equipped with automatic drip catchers for $116 each lance.

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From my observations of your present filling system, fumes from the hot Aroclors are a problem. I believe the submerged lance filling would give the best results here, even though area ventilation will be provided.

I would not expect your present manual filling of 5 gallon drums to better the 1 lb. accuracy mentioned above.

For all around flexibility and fume control, I prefer the twin lance system, with 5 gallon Aroclor cans filled thru the lance and 5 gallon pyranol cans filled manually thru the pull spout.

I will develop layouts based on the idea of an indoor fork lift route to the empty drum pallet loading spot.

May I have your comments on scale preferences.

R. W. Peterson
Project Manager

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