

Bob ✓
CC: D. L. Kerbow

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TO: TFE LAB FOREMEN
FROM: DAVE RUFFIN

NEW C-8 TEST

The lab has been looking forward to the new C-8 test for several months since it represents a major portion of our cost savings program (\$11,800 Annually). This letter summarizes the current status of the test.

Bob Lanyon and FEP Technical have run multiple cross-checks between the liquid impinger method and the new, dry absorbent tube method. The tubes collect C-8 dust which results in a higher C-8 result in dusty areas (e.g. FEP clean room and conveyor areas). FEP management and Joe Loschiavo (Industrial Hygienist for Teflon®) are concerned that the C-8 in the dust is not absorbed into the blood and want a medical study by Haskell to be run to determine if it is.

FEP has asked for the following two studies to determine if the lab should convert to the dry tube method:

- 1) Particle Size Study -- Bob Lanyon is collecting samples of C-8 dust particles which will be sent to Wilmington for measurement. If the dust is large (30-50 or greater), then it is unlikely that the C-8 is absorbed into the lungs and the lab would continue to run by the liquid impinger method. If the dust is small (10), then a Haskell medical study will be run.
- 2) Haskell Medical Study -- This would be a short term (total of 2-3 months) study on rats which would measure a rise in C-8 content in the blood when exposed to a C-8 dust environment.

It now appears unlikely that the lab will switch to the new method before December or later. Communicate this information to your laboratorians when appropriate.

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