

R. C. Herman - (6725) - General Offices

DATE April 14, 1969

SUBJECT Minutes of CEA 1430 - Status Review

REFERENCE 9 Problem Areas (List Issued 4/10/69)

TO : Persons Attending (By Request)

R. M. Kountz
R. W. Peterson
W. L. Schuchat
R. C. Herman

cc: J. L. Mathews
H. L. Williams - Anniston
~~H. E. Waldrep~~ - Anniston
H. E. Waldrep - Anniston
L. Birchfield
R. A. Haydel - Anniston
R. R. Cook
J. B. Phifer
L. Vehige
K. Johnston

The following problem areas were discussed, and the results noted:

1. Dust Collection System - Bill Schuchat

A. First Approach

Modify ductwork and clean rotoclone. The drawings for the ductwork modifications are expected to be in H. E. Waldrep's hands today (4/14). He will expedite the fabrication of this ductwork, and notify R. C. Herman as to expected fabrication time. This notification is expected on 4/14. R. C. Herman will ~~expedite~~ the ~~installation~~ date ~~with Waldrep and Faulkner~~.

The rotoclone may be easier to clean than we had visualized in that the ~~insulated one~~ can be ~~removed~~ ~~without completely disassembling~~ the unit. Bill Schuchat will discuss this with L. Faulkner and provide any possible assistance for the cleaning operation which is required prior to the start-up of the modified system.

The ~~new ductwork~~ will have ~~3 open nozzles~~ for testing and evaluation. ~~Bill Schuchat will~~ prepare methods of ~~evaluation~~ of the performance ~~of the modified system, and testing the fumes~~ for determining ~~particle size~~.

American Air Filter reports that the scrubbing action inside the rotoclone could be improved by ~~increasing~~ the ~~water velocity~~. ~~Bill Schuchat will~~ determine the increase that could be obtained by using a ~~larger~~ ~~impeller~~ in the circulating pump.

Bill ~~Schuchat~~ will check the ~~status~~ of the ~~testing~~ ~~and~~ installation in the collection tank.

April 14, 1969

- B. ~~Contingency~~ Plan (If Plan "A" Above Does Not Work Satisfactorily).

Collect fumes and dust separately.

1. Fumes

The ~~Brinks~~ mist elimination system ~~doesn't appear~~ to be ~~applicable~~ here in that it requires either a periodical filter change or a solvent as do other cheaper systems. ~~Dr. Brinks~~ may be able to ~~help~~ in ~~testing~~ the fumes, Bill Schuchat will contact him.

American Air Filter should have ~~results~~ of fume loading tests ~~today~~ ~~██████~~. Bill Schuchat will contact them, and determining economics of a replaceable filter system.

Lamar Faulkner reports that 1242 will not dissolve aroclor. Other ~~laboratory tests~~ on H.B. 40 and ethylene glycol ~~are not complete~~. Bill Schuchat will call Faulkner and try to expedite the tests.

Bill ~~Schuchat~~ will ~~check~~ with ~~companies in~~ the ~~industrial air pollution control~~ field for other ideas.

2. Dust Collection (separate from fumes)

It is expected that the ~~existing~~ ~~wetstone~~ would operate ~~acceptably~~ on ~~dust alone~~. If we separate the systems, we would try this first.

Bill ~~Schuchat~~ will continue ~~investigation~~ of available ~~test series~~ that could be put in service ~~on a trial basis~~.

Mr. C. Chaney, formerly of American Air Filter (now with Monsanto) will attend the status review on Wednesday, April 16.

The information concerning the fire and probable dust explosion (as known at this time) was presented and discussed. All new ductwork and any dry dust collection equipment must be carefully reviewed for hazards, explosion venting or weak seam design. R. C. Herman will arrange for a meeting with Dr. Howard for 4/14 if possible.

April 14, 1969

2. Biphenyl Temperature Control

The proposed system was discussed, and no changes made.

Any ~~comments from Anniston~~ concerning the therminol system will be expedited by R. C. Herman.

Design of the piping system, and location of the pump and surge tank will be done at Anniston by CED.

9. Installation of Clay Oven

The plant has not yet agreed to a location. This is being held up pending a safety review by the plant. Lamar ~~Smith~~ has ~~promised agreement on April~~

The next Status Review meeting will be held on Wednesday, April 16, at 8:10 a.m. in room 3E103.

R. C. Herman
R. C. Herman
Project Manager

RCH/bl