Monsanto

FROM ANNISTON, ALABAMA

DATE September 9, 1968

SUBJECT MINUTES OF SAFETY REVIEW MEETING
CEA-1430 PACKAGING - 9/6/68

REFERENCE

cc: W. A. Kuhn - WKUHN
J. C. Landwehr
C. K. Eastman
W. F. Taffee
W. B. Papageorge

TO THOSE PRESENT:

R. A. Haydel (part time)
R. C. Herman - G.O.
V. T. Langdon
R. W. Peterson - G.O.
T. E. Smith (part time)
P. K. Ward
H. L. Williams (part time)

The packaging facilities of flaking, bagging, and drumming were reviewed. The review was handicapped by the lack of a model and the early stages of construction. Materials to be handled include Biphenyl, Solid and Liquid Aroclors, Santowax R and HB-40.

BAGGING

1. Explosion Potential of Biphenyl

Bins have been designed with weak seams to relieve explosions caused by Biphenyl dust. Prior to start-up, grounding of dust handling equipment is to be checked using a resistance meter. CED will check on maximum allowable resistance for ground of this equipment.

Cross-jumpers are needed from flaker-to-hopper, and hopper-to-bagger. Plant concedes that a Fenwall explosive suppression system is not justified (risk does not warrant cost).

2. Dust Collection System

Sublimation is not expected in risers. Gas flow (on dry side) has been designed to be 5,000 feet per minute. After one week of operation, risers should be inspected for dust accumulation.

FLAKING

1. Overheating Biphenyl

Fire point of Biphenyl is 132°C. Biphenyl-Santowax transfer line is steam heated. Steam pressure for Biphenyl transfers is 3-5 PSIG. For Santowax transfers this same line will be heated using 100 PSIG steam. Extreme care will be required to be sure 100 PSIG steam is not used for Biphenyl transfers. As a precaution, valves in by-pass line of pressure regulator will be locked closed to avoid heating Biphenyl above fire point.

Also, large coil in Biphenyl flaker feed tank must be used only when Santowax is being flaked.

2. Overflow of Flaker Feed Tanks

This must be reviewed later.

CONVEYING

1. Fork Lift

Wheel stops are needed to prevent fork lift from ramming conveyor.

CED will review minimum distance gas fired (internal combustion) fork lifts can approach bagger.

DRUMMING

1. Conveyor Crossings

Must be reviewed later.

2. Casting

At present, no method of venting during castings. Plant prefers that casting be done at drumming station only.

Presentable by 811-815
approved by Van Langdon.

Lamar Faulkner

Lamar Faulkner

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