

E. I. DU PONT DE NEMOURS & COMPANY

PIGMENTS DEPARTMENT

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Newport, Delaware
January 19, 1967

HAMILTON LEWIS
CARNEY'S POINT

RESEARCH - COLORS - NEWPORT - CPC

LONG RANGE MODERNIZATION - CRUDE DRYING - SAFETY

We are considering installation of a crude copper phthalocyanine drying system using superheated steam as drying medium. A sketch of this system is attached. Please advise us of the maximum safe oxygen concentration that can be tolerated so that appropriate safeguards may be incorporated.

If samples of our materials are required for laboratory tests, please let me know. Charges for this work should close to Pigments General Ledger 8211 - Sub Code 4645-450-15.

D. H. Eastham

D. H. EASTHAM
RESEARCH DIVISION

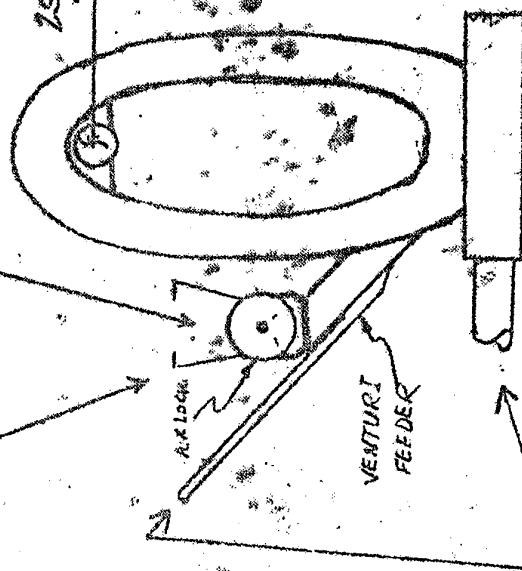
DHE/mc
Attch.

N33708

CPC PRESSURE		Wt
CPC	43-55	500
KEROSENE	20-28	320-254
WATER	37-17	341-155
TOTAL	100	1161-909

AIR ALLOWABLE ?

VAPOR
250°F - 280°F
2.1 ATM +



SUPERHEATED STEAM

600°F
200 PSIG
2800 L/Hr

PROPOSED

FLUID ENERGY DRYER

AND COLLECTION SYSTEM



TOTAL
CONDENSER

STEAM + KEROSENE
CONDENSATE



BAG
COLLECTOR

DRY PRODUCT TO
STORAGE

N33708.01