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J. J. Stecker - "
C. D. Atkinson - Newport
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A. D. Volk - "
H. H. Gyorgy - (2) "
J. W. Minnich - "
File - "

Newport, Delaware
May 16, 1966

"AFFLAIR" - NEWPORT

XOA-7

TITLE: Classification of Hydrolysis Cake, Batch 28-1

PURPOSE: This classification is being made to effect the removal of fines and precipitated TiO_2 from the hydrolysis cake.

BACKGROUND: Removal of fines and precipitated TiO_2 from the hydrolysis cake has been found to give a much greater brilliance and transparency to the "Afflair" product. Laboratory tests on batch 28-1 showed dry classification to give a product superior to classification in wet cyclones.

NUMBER OF TEST LOTS: One. An estimated four shifts will be required to complete the classification.

STARTING DATE: May 16, 1966

PROCEDURE: The Hurricane classifier is to be operated with 4 decks and 35° louvers (normal). Operating speed is to be 3000 RPM, feed rate is to be 500 pph, and air flow is to be adjusted to give a yield on the 1-1 and 2-1 cuts of $75 \pm 5\%$. Conditions for this run are patterned after run MEP-1085-5 made at the Engineering Test Center.

SAFETY: No unusual operating hazards exist.

RESPONSIBILITY FOR CLOSING REPORT: P. G. Reis

APPROVALS:


Research Supervisor


Production Supervisor

/tmj

E. I. DU PONT DE NEMOURS & CO. (INC.)

ENGINEERING DEPARTMENT
WILMINGTON, DELAWARE

ENGINEERING TEST CENTER

STUDY NO. 314662-ETC. #

DATE 4/17/62

TITLE P.B. CLASS. 2-2

SUBJECT Inert Gas Line

DEPT. Engineering LOCATION 114-0501

SIGNATURES Phil Syden

Feed No	WT	FINES	COARSE	LOSS	Feed Rate	VP	RPM	SPT up	
1189	6 LB	-1 2.10	-2 3.3/4	1/4 LB	230 #/hr	1.1 1/2	3250	4 DB 10° L	
		35.5%	62.5%						

Feed material was PC from batch 28-1 (XOA-6)
used in sec (10 #)

NF. 128D CLASSIFICATION

Batch 28-1 - Unescalated

5/18/66

DATE	SHIFT	IN CHARGED	LS-11 RECEPTS	%	PR #	LS-21 100-21 REJECTS	%	PR #	LS-31 DUST	%	PR #	TOTAL %
5/16/66	7-3	1,154	333	28.8	1-3	704	62.7	1-4	87	7.5	1	99.0
5/16/66	11-7	1,907	540	28.3	3-6	1,055	65.1	4-10	133	6.9	1-2	100.0
5/17/66	7-3	2,000	568	28.3	6-10	1,309	65.3	10-16	139	6.9	0	100.5
	TOTAL	5,083	1,441	28.3		3,088	64.6		359	7.0		99.9