



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

CHEMICALS AND PIGMENTS DEPARTMENT
JACKSON LABORATORY

cc: R. S. Wels, B-17202
P. A. Hopkins, B-17249-4

July 9, 1982

PERSONAL & CONFIDENTIAL

J. P. GLAS, B-17206

B. F. KENNEDY, B-17249-2

COLORED PIGMENTS R&D:
PROCESS IMPROVEMENT/BUDGET REVIEW

The attached charts were used at our June 30 Review.
I would be happy to meet with you if clarification is
needed.

P. A. WRIEDE

PAW/pq
Attach.

NEWARK

PROGRAM REVIEW

D. GRAY

6/30/82

DUP050145463

N 26429.01

REVIEW ITEMS

- PROCESS IMPROVEMENT

PHASE I

PHASE II

- QUALITY PERFORMANCE

- OTHER DOCUMENTATION PROGRAMS

- COST EFFECTIVENESS PROGRAMS

PROCESS IMPROVEMENT

PHASE I

DOCUMENTATION

FINAL PROCESS

	<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>TOTAL</u>
SCHEDULE	7	29	30	37	103
ACTUAL	10	57			

COMPLETE BY 9/82 VS 12/82

NEWARK

10

JL

26

PROCESS IMPROVEMENT

PHASE II PRODUCT/PROCESS SPECIALIST

PROCESS AUDITS

START 6/82

PROCESSIBILITY/QUALITY REPRODUCIBILITY

EDIT/REVISE BATCH CARDS (OPERATING INST.)

TRAIN OPERATING PERSONNEL

PLANT TRIALS

TROUBLE SHOOT

DEFINE REQUIRED LABORATORY WORK

<u>GROUP</u>	1982 F/C <u>M LBS.</u>	<u>% O K P E R F O R M A N C E</u>		<u>COMMENT</u>
		<u>3 YEAR AVE.</u> <u>'79, '80, '81</u>	<u>1982</u> <u>5 MONTH AVE.</u>	
<u>INORGANICS</u>				
CONT. UNIT				
YELLOW	7842	79	93	EQUIPMENT; FLOW CONTROL
ORANGE	2958	60	26	
ZINC	1720	98	100	LAB/PLANT WORK
PRIMROSE	970	70	63	
BATCH MOLYBDATE	4113	59	93	
KROLOR				
YELLOW	4146	72	93	
ORANGE	1995	72	95	

<u>GROUP</u>	1982 F/C <u>M LBS.</u>	<u>% O K P E R F O R M A N C E</u>		<u>COMMENT</u>
		<u>3 YEAR AVE.</u> <u>'79, '80, '81</u>	<u>1982</u> <u>5 MONTH AVE.</u>	
<u>AZO PIGMENTS</u>				
WATCHUNG RED	880	56	87	
BON RED	214	30	74	
DALAMAR YELLOW	272	55	92	
<u>QUINACRIDONE</u>	1686	73	84	
COPPER <u>PHTHALOCYANINE</u>	1827	72	76	

OTHER PROGRAMS

• PRODUCT STANDARDS UPDATE

REPLENISH SUPPLY
REPLACEMENT
NEW PRODUCTS

	<u>I,II</u>	<u>III,IV</u>	<u>I83</u>
SCHEDULE	14	20	6
ACTUAL	12 + 4 NEW PRODUCTS		

• PRODUCT RELEASE UPDATE
METHODS/SPECIFICATION

12/82
ON SCHEDULE

• COMPUTER COLOR READING
INSTRUMENTAL RELEASE
SPECIFICATIONS

12/82
ON SCHEDULE

• RAW MATERIAL SPECIFICATION UPDATE
COMPLETE BY

12/82
10/82

PROGRAM

QUALITY IMPROVEMENT/COST REDUCTION/FACILITIES IMPROVEMENT

AZO PIGMENTS

PROGRAM/INCENTIVE

RAW MATERIAL/YIELD
LABOR/ENERGY
QUALITY

IMPROVE CLARIFICATION
ELIMINATE/UPGRADE FACILITIES
INCENTIVE \$190M

INORGANICS

STATUS/INCENTIVE

BAUER MILL

CHARACT. COMPLETE

DUST CONTROL
NROI 108%+

FLOW CONTROL C/U

INSTALL 7/82

QUALITY
NROI 75%

BATCH MOLYBDATE/COMPONENT

CONTINUOUS
TRIALS

\$325M/YR.

GENERAL

REDUCE PRESS WASHING TIME

PLANT TRIALS

LABOR/WATER
PRODUCTIVITY/QUALITY

NEWPORT PRODUCTIVITY IMPROVEMENT PROGRAM

II Q - 82 REVIEW

S.A. DOMBCHIK

6/30/82

DUP050145471

N 26429.02

II Q FORECAST

- ' PROCESS IMPROVEMENT/DOCUMENTATION - ON SCHEDULE
- ' SPECIFICATIONS - ON SCHEDULE
- ' FACILITIES - NOTHING FORECASTED
- ' CPC WASTE STREAM CONTROL
 - DEFINE ALLOWED GATE LOSS
 - KEY TO SUCCESS FOR REMOVAL (EAST DECANTER)
 - MANAGE USE OF SLUDGE BY DRP
- ' KEROSENE - ACTIVE

PROCESS IMPROVEMENT/DOCUMENTATION

PROCESSES (28 GOAL)

II Q COMMITMENT - 9

APPROVED - 10

NEW APPROVALS

N-7102 (RT-790) - I Q EXCEPTION

DIHYDRO QA

N-8510 (BT-284, 425, 282)

N-7609 (RT-792)

N-8700 (BT-383)

III Q COMMITMENT - 18

APPROVED - 10

CIRCULATING - 5

WRITTEN - 6

SPECIFICATIONS (108 VS. 117 GOAL)

II Q COMMITMENT - 93

APPROVED - 95 (27 OF 31 N-CODES/NEWARK)

CPC WASTE STREAM CONTROL

GATE LOSS - SPECIFICATIONS

- ' $\geq$ 500 PPD ALLOWED (BIRD TEST)
- ' $\geq$ 2000 PPD PEAK LOSS (SIMULATION)

GATE LOSS - ACTUAL

II Q ~600 PPD (I Q - 540 PPD)

- ' LOW PRODUCTION
- ' UNDERSTATED
- ' SOURCE CHANGE

DRP START UP

- ' LAGOONS HIGH AT 1000 PPD
- ' SLUDGE OK ON AIR DRYING (DIRT)

CONTAINMENT

- ' EAST KEROSENE DECANTER - 2ND START UP
- ' ISOLATION
 - CRUDE (IMPLEMENTED)
 - BDG ROTARY (DELAYED TO III Q)
 - PRESSES (IMPLEMENTING)
- ' BB SEPARATION - IMPLEMENTED
- ' DAY TO DAY CONTROL NEEDS ATTENTION
 - WRITTEN INVESTIGATIONS

III Q FORECAST

- PROCESS IMPROVEMENT/DOCUMENTATION - ON SCHEDULE
- SPECIFICATIONS - ON SCHEDULE
- HT DROWNING FACILITIES - BASIC DATA
- CPC WASTE STREAM CONTROL
 - CONTAINMENT (300 PPD)