CH-25 REV. 12-80

ESTABLISHED 1802

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
NEWPORT, DELAWARE 19804

CHEMICALS AND PIGMENTS DEPARTMENT

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February 1, 1983

DUPONT CONFIDENTIAL
SPECIAL CONTROL

TO: P. A. WRIEDE

FROM: W. M. WILLIAMS WMW

1982 COST REDUCTION ACCOMPLISHMENTS

Attached are 1982 Cost Reduction Accomplishments at Newport totalling \$0.596MM vs. 9/81 forecast of \$0.45MM firm and \$0.458MM goal. These reductions represent 45% of the total site cost reduction of \$1.3MM. Most of the accomplishments are shared between R&D and Production. Explanations are included for 20% deviations from forecast. Accomplishments versus goal are lower than forecast principally due to only partial demonstration of reduced methylate in quinacridone manufacture.

WMW:jcp

Attachments

1982 COST REDUCTION ACCOMPLISHMENTS PROGRAM WITH VARIANCES GREATER THAN 20%

CPC

- Reduce Kerosene ($42M achieved vs. $100M goal forecast)

  Kerosene consumption was reduced from 0.9 to 0.7 lb. per pound of CPC (goal 0.4 lb.) through improved decanter operation and improved BB/BBF phase separations. Loss rate in approaching the historical rate in plant I (0.6 lb./ lb.).

- Pigment Losses ($0M achieved vs. $40M firm and $40M goal)

  Actual gate losses decreased from 900 to 300 pounds per day. As a percentage of production, losses remained constant (6%).

- R&D Manpower ($57M achieved vs. $20M firm)

  Reduction for one early retirement (wageroll) and one transfer (exempt) were divided equally between CPC and QA.

- Lower Cost Beta CPC ($0M achieved vs. $60M goal)

  The marketing opportunity has diminished for these products.

R&D COST IMPROVEMENT ACCOMPLISHMENT REPORT - QA
NEWPORT PLANT
DATE-JANUARY 31, 1982
(All value in thousands of Dollars)

	FIRM (ACCOMPLISHED) 1982						GOAL (ACCOMPLISHED) 1982						GOAL (FORECAST)		
	I	II	III	IV	YR.	1983 CARRY OVER	I	II	III	IV	YR.	1983 CARRY OVER	1984	1985	1986
Energy	-	-	-	-	-							65	290	160	395
Substandard Reduction	8	9	9	9	35		1	-	2	13	16		10	10	10
Liquid NBMSA (Dimethyl QA)	41	32	6	-	79										
Reduce Methylate	19	11	13	2	45								-	30	70
Yield							64	31	-	7	102		30	75	200
"Dowtherm ®"									57	-	57		25	25	75
Reduce Sitol												75			
Caustic (WN)												60			
Water													10	10	10
Rewash Gamma												200			
H_2SO_4 in SSE													250	10	-
R&D Manpower	-	10	35	12	57								80	90	
Non-Cr QAQ	11	-	7	5	23										
Site Total															
Current	79	62	70	28	239		65	31	2	20	118		695	410	760
Original	(83)	(84)	(44)	(29)	(240)		(63)	(63)	(63)	(63)	(252)		(770)	(100)	(40)
Site-Energy Total															
Current	0	0	0	0	0								290	160	395
Original	(20)	(20)	(20)	(5)	(65)								(50)	-	-

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QA

- Energy ($0M achieved vs. $65M firm forecast)

  Work-delayed priorities; deferred investments.

- Liquid NBMSA (Dimethyl QA) ($79M achieved vs. $40M firm forecast)

  Also includes unit-consumption reduction of 0.04 lbs. per lb. of QA.

- Reduce Methylate ($45M achieved vs. $50M firm and $200M goal)

  NaOMe reduced from 29% to 24% excess in line 2. Reduction to 15% excess scheduled for April demonstration.

- Yield (102M achieved vs. $50M goal forecast)

  Represents a yield increase of 1.1% over 1981.

- R&D Manpower (57M achieved vs. $20M firm forecast)

  Reductions for one early retirement (wageroll) and one transfer (exempt) were divided equally between CPC and QA.

- Dowtherm® Reduction (57M achieved vs. $0M forecast)

  Represents savings from in-house component mixing.

<u>R&D COST IMPROVEMENT ACCOMPLISHMENT REPORT-CPC</u>
<u>NEWPORT PLANT</u>
<u>DATE - JANUARY 31, 1983</u>
(All Values in thousands of Dollars)

YEAR	FIRM (ACCOMPLISHED) 1982					CARRY	GOAL (ACCOMPLISHED) 1982					CARRY	GOAL (FORECAST)		
QUARTER	I	II	III	IV	YR.	OVER	I	II	III	IV	YR.	OVER	1984	1985	1986
Reduce Kerosene							-	9	4	29	42		-	75	-
Pigment Losses	-	-	-	-	-		-	-	-	-	-		130	-	155
Energy	36	31	29	35	131								145	-	260
Eliminate Newark Research														50	50
Substandard Reduction							2	4	-	3	9		20	-	-
CPC-AF Complex														200	
R&D Manpower	10	16	19	12	57								80	90	-
Reduce CPC-MS Use													50		
Lower Cost BT-417/ BT-487									-	-	-				
Yield(Ex. Physical)													25	25	25
Water														70	
Site Total															
Current	46	47'	48	47	188		2	13	4	32	51		450	510	490
Original	(55)	(55)	(55)	(45)	(210)		(37)	(36)	(67)	(66)	(206)		(110)	(60)	(0)
Site Energy Total															
Current	36	31	29	35	131		0	0	0	0	0		145	0	260
Original	(40)	(40)	(40)	(30)	(150)		(0)	(0)	(0)	(0)	(0)		(50)	(0)	(0)