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FOR DU PONT USE ONLY

Newark, New Jersey
January 18, 1983

W. H. McCOY
B-17348
C & P - WILMINGTON

NEWARK COST REDUCTION ACCOMPLISHMENT

FOURTH QUARTER - 1982

Attached is a summary and detail illustrating Newark Plant's Cost Reduction Accomplishment for the subject period.



R. H. WHITE
SR. SUPERVISOR, CONTROL

RW/ddb
Attachments
(0011C)

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
<u>INGREDIENTS</u>							
A-1	INCREASE SODIUM MOLYBDATE YIELD	MFG.	\$ 70,111	\$ 6,800	\$ 6,800	\$70,111	(1)
A-2	INCREASE DISPERSED PASTE YIELD	MFG.	0	6,400	6,400	0	(6)
A-5	LIQUID ALUM TO REPLACE DRY POWDER	MFG.	7,875	9,000	9,000	7,875	
B-1	INCREASE OBI YIELDS	PROC	10,712	7,380	7,380	10,712	(1)
B-2	INCREASE QA YIELDS	PROC	142,894	58,800	58,800	142,894	
B-3	INCREASE CPC BLUE YIELDS	PROC	5,700	39,600	39,600	10,000	(6)
B-4	INCREASE OO YIELDS	PROC	38,756	14,400	14,400	38,756	(1)
C-6	INCREASE IO YIELDS	FIN.	141,722	0	0	141,722	(2)
B-7	PRESSCAKE IN LEVERPAK	PROC	39,400	0	0	39,400	(2)
C-7	ZINC CHROMATE BAGS - KROLOR	FIN.	5,400	0	0	5,400	(2)

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
<u>INGREDIENTS</u>							
D-1	IMPROVED LEAD & CHROME FLOW CONTROL	CONT.PR.	\$ 0	\$ 15,000	\$ 20,000	\$ 0	\$20,000 (4)
D-2	LIQUID ALUM TO REPLACE DRY POWDER	CONT.PR.	8,250	9,500	9,500	8,250	
D-4	REDUCE USE OF N-153	CONT.PR.	78,100	140,000	150,000	78,100	(6)
D-7	IMPROVE YIELDS THROUGH CONTROL OF BAG WEIGHTS	CONT.PR.	0	15,000	20,000		15,000 (4)
F-1	PLANT BUYER	CONTROL	222,150	131,700	131,700	222,150	
TOTAL			\$ 771,070	\$ 453,580	\$ 473,580	\$ 771,070	\$35,000

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST				NOTES
				COMMITTED	GOAL		CURRENT ESTIMATED	
					TOTAL	CARRY-OVER		
LABOR AND SALARIES								
A-3	INCREASED PRODUCTIVITY	MFG.	\$ 0	\$ 0	\$ 25,000	\$ 0		(6)
A-5	LIQUID ALUM TO REPLACE DRY POWDER	MFG.	7,875	9,000	9,000	7,875		
A-6	INCREASED PRODUCTIVITY	MFG.	5,090	0	0	5,090		(2)
A-7	WAREHOUSE CONSOLIDATION	MFG.	120,805	0	0	120,805		(2)
A-8	SUPERVISORY CONSOLIDATION	MFG.	30,000	0	0	30,000	30,000	(2)
A-9	PRODUCTION CLERICAL	MFG.	20,610	0	0	20,610	20,610	(2)
B-5	INCREASED PRODUCTIVITY	PROC	0	15,900	15,900	0		(6)
C-1	ORGANIC DRUM WASHER	FIN. R&D	0	25,500	25,500	0		(7)
C-2	ORGANIC DUST COLLECTING FACILITIES	FIN.	0	8,000	8,000	0	8,000	(4)
C-3	INORGANIC DUST COLLECTION FACILITIES	FIN.	400	4,500	4,500	400		
C-4	ELIMINATE KROLOR COMPONENT INV.	FIN. R&D	0	0	18,750	0		(4)
C-5	IMPROVE AREA PRODUCTIVITY	FIN. R&D	0	0	25,000	0		(4)
D-1	IMPROVED LEAD & CHROME FLOW CONTROL	CONT.PR.	0	35,000	45,000	0	35,000	(4)
D-2	LIQUID ALUM TO REPLACE DRY POWDER	CONT.PR.	15,400	20,700	20,700	15,400		

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST				NOTES
				COMMITTED	GOAL		CARRY-OVER	
					TOTAL	CURRENT ESTIMATED		
LABOR AND SALARIES								
D-3	INCREASE PRODUCTIVITY	CONT.PR	\$ 0	\$ 19,000	\$ 23,600	\$ 0		(6)
D-5	CONT. PROCESS MANUFACTURE OF YE-698	CONT.PR. R&D	0	240,000	240,000	0	240,000	(4)
D-6	REPLACE VORTAC & MICRO SYSTEM WITH BAUER MILL	CONT.PR. R&D	51,950	35,000	49,000	51,950		
E-1	ELIMINATE NITRIC ACID BUGGY MAINT.	MECH	1,000	1,000	1,000	1,000		
E-2	ELIMINATE MAINTENANCE CORRO- SIVE CONTAINERS	MECH	760	1,000	1,000	760		
E-4	MORE EFFICIENT USE OF PERSONNEL	MECH	28,390	50,000	75,000	28,390		
E-5	REDESIGN MOLTEN LEAD DISTRIBUTION SYSTEM	MECH	0	10,000	25,000	0	10,000	(4)
E-6	REDUCE BLDG. & EQUIP. MAINTENANCE	MECH	10,250	7,500	12,500	10,250		
E-8	DELTRIN STRIPS ON 92 & 93 PRESS	MECH	290	330	330	290		
E-9	TOP MOUNTED CIRCULATING FANS CONT. UNIT DRYER	MECH	675	630	630	675		

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST				NOTES
				COMMITTED	GOAL	CURRENT	CARRY-OVER	
					TOTAL	ESTIMATED		
LABOR AND SALARIES								
E-10	WET SAND BLAST CLEANING	MECH	\$ 19,000	\$ 5,000	\$ 5,000	\$ 19,000		
E-11	STEAM INJECTION SYSTEM TANK 70 & 71 CONT. UNIT	MECH	0	3,330	5,000	0	3,330	(4)
E-12	REPLACE SODIUM CHROMATE PUMP	MECH	4,000	1,330	2,670	4,000		
E-13	INSTALL TITANIUM LINER V-317	MECH	4,000	0	0	4,000		(2)
E-14	"GAR-THANE" SYNTHETIC LEATHERS	MECH	1,850	1,500	1,800	1,850		
E-17	IMPROVED EQUIPMENT & MATERIAL-WASTE TREATMENT AREA	MECH	1,240	1,500	3,000	1,240		
E-18	IMPROVED MOTOR HOISTING FACILITIES	MECH	0	1,000	3,000	0	1,000	(4)
E-19	IMPROVED INSTRUMENTATION	MECH	1,990	1,750	3,500	1,990		
E-22	INSTALLATION OF BAUER MILL	MECH	56,443	0	0	56,443		(2)
G-1	ELIMINATE RESPIRATOR FIT TEST SUPERVISOR	SHE	19,500	19,500	19,500	19,500		
E-23	FILTER PRESS HYDRAULIC CHECK VALVE	MECH	6,000	0	0	6,000	2,000	(2)
E-24	REPAIR HOMOGENIZER BASE	MECH	4,000	0	0	4,000		(5)
E-26	BLDG. 6 SCRUBBER DAMPER CONTROL	MECH	16,700	0	0	16,700		(5)
E-27	JANITORIAL PERSONNEL	MECH	29,332	0	0	29,332	25,000	(2)
P-1	MANPOWER REDUCTIONS TOTAL	PLANT	622,445 1,079,995	0 517,970	668,880 1,079,995	0 622,445 1,079,995	871,423 1,246,363	(2)

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
MAINTENANCE MATERIALS							
E-1	ELIMINATE NITRIC ACID BUGGY MAINTENANCE	MECH	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
E-2	ELIMINATE MAINTENANCE OF CORROSIVE CONTAINERS	MECH	750	1,000	1,000	750	
E-3	MONORAIL SYSTEM FOR CENTRIFUGE 12 BLDG.	MECH	4,000	4,000	4,000	4,000	
E-6	REDUCE BLDG. & EQUIPMENT MAINTENANCE	MECH	10,250	7,500	12,500	10,250	
E-8	DELIN STRIPS 92 & 93 PRESS	MECH	130	170	170	130	
E-9	TOP MOUNTED CIRCULATING FANS CONT. UNIT DRYER	MECH	675	620	620	675	
E-12	REPLACE SODIUM CHROMATE PUMP	MECH	4,000	2,670	5,330	4,000	
E-13	INSTALL TITANIUM LINER V-317	MECH	950	5,000	5,000	950	
E-14	"GAR-THANE" SYNTHETIC LEATHER	MECH	1,850	1,000	1,200	1,850	
E-17	IMPROVED EQUIPMENT & MATERIALS, WASTE TREATMENT AREA	MECH	3,760	1,000	2,000	3,760	
E-19	IMPROVED INSTRUMENTATION	MECH	0	750	1,500	0	

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
E-21	USE SALVAGEABLE REPAIR MATERIAL	MECH	1,350	0	0	1,350	
E-22	INSTALLATION OF BAUER MILL	MECH	123,066	0	0	123,066	(2)
E-26	BLDG. 6 SCRUBBER DAMPER CONTROL	MECH	33,300	0	0	33,300	(5)
E-25	REPAIR HOMOGENIZER HEADS		43,700	0	0	43,700	(5)
E-28	SURPLUS SCREW CONVEYOR	MECH	3,650	0	0	3,650	(5)
E-30	SURPLUS MATERIAL FROM OTHER SITES	MECH	10,532	0	0	10,532	(5)
TOTAL				\$ 24,710	\$ 34,320	242,963	

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
							CARRY-OVER
<u>ENERGY</u>							
B-6	IMPROVED DRYER UTILIZATION	PROC.	\$ 3,750	\$ 5,000	\$ 5,000	\$ 3,750	
E-7	MISC. ENERGY CONSERVATION	MECH	3,500	10,000	10,000	3,500	(6)
E-11	STEAM INJECTION SYSTEM TANK 70 & 71, CONT. PROCESS	MECH	0	6,670	10,000	0	6,670 (4)
E-15	INSTALL MORE ENERGY EFFICIENT EQUIPMENT	MECH	41,796	5,000	10,000	41,796	
E-16	IMPROVE POWERHOUSE EFFICIENCY	MECH	10,424	5,000	15,000	10,424	
E-20	INSULATE TOPS OF P&S DRYERS	MECH	750	750	750	750	
E-29	BUILDING CONSOLIDATION	MECH	15,021	0	0	15,021	13,000 (2)
TOTAL			\$ 75,241	\$ 32,420	\$ 50,750	\$ 75,241	19,670

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER 1982

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
<u>OTHER</u>							
A-4	REPLACE SPARKLER FILTER CLOTHS	MFG	\$ 16,277	\$ 21,750	\$ 21,750	\$ 16,277	
C-1	ORGANIC DRUM WASHER	FIN	0	4,500	4,500	0	
F-1	PLANT BUYER	CONTROL	14,896	37,800	37,800	14,896	
F-2	INSTALL DIMENSION 400	CONTROL	3,225	0	0	3,225	(2)
F-3	CRT RENTAL SAVINGS	CONTROL	4,680	0	0	4,680	1,560 (2)
F-4	CRT RETURN	CONTROL	165	0	0	165	1,815 (2)
G-2	REDUCE WASTE HAULING FREIGHT	SHE	6,600	0	0	6,600	1,600 (2)
G-3	COPIER REPLACEMENT	ERD	920	0	0	920	1,840 (2)
TOTAL			<u>46,763</u>	<u>64,050</u>	<u>64,050</u>	<u>46,763</u>	<u>6,815</u>

NEWARK PLANT
COST REDUCTION FORECAST/ACCOMPLISHMENT
FOURTH QUARTER 1982 - SUMMARY (\$M)

<u>CATEGORY</u>	<u>REALIZED</u> <u>YEAR-TO-DATE</u>	<u>COMMITTED</u>	<u>SAVINGS FORECAST</u>		
			<u>GOAL</u> <u>TOTAL</u>	<u>CURRENT</u> <u>ESTIMATE</u>	<u>CARRY-</u> <u>OVER</u>
INGREDIENT	771.0	453.0	473.0	771.0	35.0
LABOR & SALARIES	1080.0	518.0	669.0	1080.0	1246.4
MAINT. MAT'L	243.0	25.0	35.0	243.0	0
ENERGY	75.2	32.0	50.0	75.2	19.7
OTHER	<u>46.8</u>	<u>64.0</u>	<u>64.0</u>	<u>46.8</u>	<u>5.0</u>
GRAND TOTAL	2,216.0	1092.0	1291.0	2,216.0	1306.1
COST REDUCTION INDEX - %	3.94	1.27	1.50	3.94	1.72

NEWARK, NEW JERSEY
COST REDUCTION FORECAST/ACCOMPLISHMENT - FOURTH QUARTER, 1982

Notes:

- (1) Better than expected performance.
- (2) Not forecasted.
- (4) Delayed.
- (5) One time savings.
- (6) Low production rates.
- (7) Cancelled

NEWARK COST REDUCTION ACCOMPLISHMENTS
JANUARY THROUGH DECEMBER, 1982 FOURTH QUARTER - 1982
DEPARTMENTAL SUMMARY

<u>DEPARTMENT</u>	<u>COMMITTED</u> <u>FORECAST - 1982</u>	<u>YTD</u> <u>ACTUAL</u>	<u>1982 GOAL</u>
A. MANUFACTURING & RAW MATERIAL	\$ 52,950	\$ 338,643	\$ 77,950
B. PROCESSING	141,080	261,212	141,080
C. FINISHING	42,500	147,522	86,250
D. CONTINUOUS & SEMI-FINISHED	529,200	153,700	577,800
E. MECHANICAL	138,000	751,394	219,500
F. CONTROL	169,500	352,871	169,500
G. EMPLOYEE RELATIONS/SHE	19,500	27,020	19,500
H. R & D/ CTL	0	183,670	0
TOTAL	\$1,092,730	\$2,216,032	\$1,291,580

NOTE: Attached to plant copies only

PAW

714-3

QA
COST IMPROVEMENT FORECAST
PLANT - NEWARK
DATE - 9/80
(ALL VALUES IN THOUSANDS OF DOLLARS)

YEAR	FIRM				GOAL				1982	CARRY OVER	YR	IV	III	II	I	1981	1982	1983	1984	1985
	I	II	III	IV	I	II	III	IV												
Extender Addit.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quality Contr.	0	0	0	0	0	61	61	61	61	244	0	12	279	305	332	0	10	60	80	87
Pigment Recov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drum Cleaner	0	0	0	0	0	3	3	3	3	12	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	64	64	64	64	256	0	22	351	397	431	0	22	351	397	431

256
22

OTHER ORGANICS
COST IMPROVEMENT FORECAST
PLANT - NEWARK
DATE - 9/80
(ALL VALUES IN THOUSANDS OF DOLLARS)

YEAR	FIRM				GOAL				1982 CARRY OVER	YR	1982 CARRY OVER	1983	1984	1985
	I	II	III	IV	I	II	III	IV						
QUARTER	I	II	III	IV	I	II	III	IV	YR	YR	NEW			
HIGH SOLIDS PRESS	30	30	40	40	140	0	0	0	0	0	0	140	140	140
DRUM CLEANER	0	0	0	0	0	0	3	3	12	12	0	12	12	12
PROCESS IMPROV.	0	0	0	0	0	0	27	27	48	102	102	204	204	102
TOTAL	30	30	40	40	140	0	3	30	51	114	102	356	356	254

CPC

COST IMPROVEMENT FORECAST
PLANT - NEWARK

DATE - 9/80

(ALL VALUES IN THOUSANDS OF DOLLARS)

YEAR	FIRM				GOAL			
	1981	1982	1982	1981	1982	1983	1984	1985
QUARTER	I	II	III	IV	YR	1982 CARRY OVER	YR	1982 CARRY OVER
	I	II	III	IV	YR	1982 CARRY OVER	YR	1982 CARRY OVER
QUALITY CONTROL	0	0	0	0	0	0	13	13
PICM. RECOVERY	0	0	0	0	0	0	0	0
DRUM CLEANER	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	13	13

COST IMPROVEMENT FORECAST
PLANT - NEWARK

DATE - 9/80

(ALL VALUES IN THOUSANDS OF DOLLARS)

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