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FOR DU PONT USE ONLY

Newark, New Jersey
October 20, 1981

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

NEWARK COST REDUCTION ACCOMPLISHMENT

JANUARY THROUGH SEPTEMBER 1981

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

my two
3-4

Rate of material coming in

M. W. Downs
M. W. DOWNS
WORK ANALYST

MWD/jmw
Attachments

What is things on Lab work

COST IMPROVEMENT - FORECAST vs. ACTUAL

PLANT - NEWARK, NEW JERSEY
DATE - 1981 - THIRD QUARTER

(All Values in Thousands of Dollars)

	CURRENT QUARTER		YEAR-TO-DATE		YEAR		YTD		NEXT YEAR CARRYOVER	
	FCST.	ACT.	FCST.	ACT.	FCST.	ACT.	ACTUAL	FORECAST	TOTAL YEAR FORECAST	ACTUAL TO DATE PLUS CUR. EST. TO-YEAR-END
INGREDIENTS	77	184	221	455	295	565	17	15	32	
LABOR AND SALARIES	156	167	364	424	520	594	239	108	347	
MAINTENANCE MATERIALS	4	8	13	21	18	30	0	0	0	
ENERGY	7	58	21	213	28	320	2	0	2	
OTHER	27	6	89	65	115	81	5	0	5	
TOTAL	271	423	708	1178	976	1590	263	123	386	

COST REDUCTION INDEX 1.4 2.2 1.3 2.1

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I. D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
INGREDIENTS						
A-1	INCREASE SODIUM MOLYBDATE YIELD	MFG.	\$ 14,470	\$ 6,800	\$ 6,800	\$17,000 (1)
A-2	INCREASE DISPERSED PASTE YIELD	MFG.	0	6,400	6,400	6,400
A-6	REDUCE ICE CONSUMPTION	MFG.	0	0	9,000	0
A-7	REDUCE FLOP MOLYBDATE	MFG. R&D	50	13,280	13,280	6,000 (2)
A-8	LIQUID ALUM TO REPLACE DRY POWDER	MFG. R&D	0	4,750	4,750	4,750
B-1,2, 3,4	IMPROVE PROCESSING AREA YIELDS	PROC.	176,330	119,250	119,250	200,000 (16)
B-8	IMPROVED PROCESS REPRODUCIBILITY	PROC. R&D	34,000	0	100,000	45,000 (3)
B-9	MEMBRANE PRESS	PROC. R&D	0	81,000	81,000	0 (4)
D-1	LIQUID ALUM TO REPLACE DRY POWDER	CONT.PR. R&D	2,000	18,500	18,500	4,000 (5)
D-2	NOX RECIRCULATION LOOP	CONT.PR. R&D	6,000	6,000	6,000	6,000

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	COMMITTED	SAVINGS FORECAST		
					GOAL TOTAL	CURRENT ESTIMATED	NOTES
D-3	IMPROVED LEAD & CHROME FLOW CONTROL	CONT. PR. \$	0	\$ 9,900	\$ 12,900	\$ 5,000	(18)
		R&D					
E-1	IMPROVED TOTE ADAPTER DESIGN	MECH.	7,500	7,500	12,000	7,500	
F-1,5	PLANT BUYER	CONT.	73,460	22,000	22,000	90,000	(15)
B-10	MEMBRANE PRESS, CARRYOVER FROM 1980 PROGRAM	PROC. R&D	116,030	0	0	125,000	(13)
C-13	SHIP CPC GREEN IN AS PURCHASED DRUMS	PROC.	1,760	0	0	2,000	(14)
D-6	REDUCE USE OF N-153 IN YC-2 & Y-469-D	CONT. PR.	23,500	0	0	46,000	(14)
	SUBTOTAL		\$ 455,100	\$ 295,380	\$ 411,880	\$ 564,650	

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
			\$	\$	\$	NOTES
<u>LABOR AND SALARIES</u>						
A-3	INCREASED PRODUCTIVITY	MFG.	0	0	25,000	0
A-4	TOTE BINS IN PLACE OF DRUMS FOR QA	MFG.	6,040	46,560	46,560	12,000 (6)
A-5	REPLACE TWO DIAZO PRESSES	MFG.	0	0	5,000	0
A-8	LIQUID ALUM TO REPLACE DRY POWER R&D	MFG.	0	4,750	4,750	0
A-11	ELIMINATE ONE R.M. OPERATOR BY REARRANGING WORK	MFG.	2,680	0	32,200	2,680 (7)
B-9	MEMBRANE PRESS	PROC. R&D	0	69,000	69,000	0 (4)
C-1	ORGANIC DRUM WASHER	FIN. R&D	0	34,000	34,000	8,000 (8)
C-4	INSTALL BLENDER TIMERS	FIN.	130	500	500	130
C-5	ORGANIC DUST COLLECTION FACILITIES	FIN. R&D	0	8,000	8,000	5,000
C-6	INORGANIC DUST COLLECTION FACILITIES	FIN. R&D	4,500	18,000	18,000	9,000
C-7	IMPROVED BATCH MOLYBDATE QUALITY	FIN. R&D	39,000	0	42,000	42,000

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
						NOTES
<u>LABOR AND SALARIES</u>						
C-8	ELIMINATE KROLOR COMPONENT INVENTORY	FIN. R&D	\$ 0	\$ 0	\$ 25,000	\$ 0
C-9	IMPROVED CONT. PROCESS QUALITY	FIN. R&D	59,000	0	72,000	72,000
C-10	IMPROVED KROLOR QUALITY	FIN R&D	44,000	0	59,000	59,000
C-11	IMPROVED NEWPORT QA QUALITY	FIN. R&D	45,000	0	60,000	60,000
C-12	IMPROVED NEWPORT CPC QUALITY	FIN R&D	27,000	0	35,000	35,000
D-1	LIQUID ALUM TO REPLACE DRY POWDER	CONT.PR. R&D	2,000	18,500	18,500	4,000 (5)
D-3	IMPROVED FLOW CONTROL	CONT.PR. R&D	0	23,100	30,100	11,500 (18)
D-4	CONT. PROCESS MANUFACTURE OF YE-698	CONT.PR. R&D	0	240,000	240,000	0 (9)
D-5	IMPROVED CONTROL OF BAG WEIGHTS	CONT.PR.	0	15,000	20,000	0 (19)
E-19	CONSOLIDATE JANITOR FORCE	MECH.	4,490	4,140	4,140	4,490

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	NOTES
LABOR AND SALARIES							
G-4	ELIMINATE TIME CLOCK	E.R.	\$ 610	\$ 610	\$ 610	\$ 610	
H-1	COMPUTER AIDED COLOR READING	CTL	38,000	0	50,000	50,000	
A-10	ELIMINATE RAW MATERIAL SUPVR. BY REARRANGING WORK	MFG.	0	0	40,900	0	
A-9	REDUCE 6 BLDG. ELEVATOR MAINT.	MFG.	4,880	3,000	3,000	8,000 (17)	
B-5	POLYPROPYLENE PLATES & FRAMES	PROC.	1,600	1,600	1,600	1,600	
E-2	REDESIGN MOLTEN LEAD DISTRI- BUTION SYSTEM	MECH.	0	10,000	25,000	10,000	
E-3	REDUCE BLDG. & EQUIPMENT MAINT.	MECH.	3,750	5,000	10,000	5,000	
E-8	VIBRATION ANALYSIS PROGRAM	MECH.	3,130	2,500	6,250	5,000	
E-9	PERT	MECH.	2,500	2,500	5,000	2,500	
E-10	IMPROVE PACKER SEALS, 123 BLDG.	MECH.	3,600	4,800	4,800	4,800	
E-14	ELIMINATE SPLITTER, CONT. PROC.	MECH.	3,990	5,000	5,000	5,000	
E-15	DELTRIN STRIPS ON PRESS PLATE HANDLES	MECH.	1,000	1,000	1,000	1,000	

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
LABOR AND SALARIES						
E-16	HI-PRESSURE WATER FOR FIN DRUM CLEANING	MECH.	\$ 2,250	\$ 1,500	\$ 1,500	\$ 2,250
E-17	IMPROVED AUTOMATIC LUBRICATOR, P&S DRYER BELT	MECH.	250	250	250	250
E-18	REPLACE HCL TANK PLATFORM WITH FRP	MECH.	250	250	250	250
B-10	MEMBRANE PRESS, CARRYOVER FROM 1980 PROGRAM	PROC. R&D	53,460	0	0	70,000 (13)
H-2	REDUCE R&D PERSONNEL THROUGH CONSOLIDATION OF ASSIGNMENTS	R&D	55,500	0	0	74,000 (14)
G-6	ELIMINATE RESPIRATOR FIT TESTING SUPERVISOR	E.R.	9,750	0	0	19,500 (14)
E-22	HIGH PRESSURE WATER & SAND BLAST CLEANING.	MECH.	2,500	0	0	5,000 (14)
E-23	"GAR-THANE" SYNTHETIC LEATHER PISTON CUPS	MECH.	1,800	0	0	3,600 (14)
E-24	REPLACE PRESS CLOSURE PUMPS	MECH.	360	0	0	360 (14)
E-25	STEAM JACKETED CHROME TRANSFER PUMPS	MECH.	510	0	0	510 (14)
SUBTOTAL			\$ 423,530	\$ 519,560	\$1,003,910	\$ 594,030

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
MAINTENANCE MATERIALS						
E-3	REDUCE BLDG. & EQUIPMENT MAINT.	MECH.	\$ 3,750	\$ 5,000	\$ 10,000	\$ 5,000
E-7	ARGON CYLINDER REFILL	MECH.	2,250	2,500	2,500	2,500
E-8	VIBRATION ANALYSIS PROGRAM	MECH.	9,370	7,500	18,750	15,000
E-14	ELIMINATE SPLITTER	MECH.	2,010	2,500	2,500	2,500
E-15	DELTRIN STRIPS ON PRESS PLATE HANDLES	MECH.	500	500	500	500
E-23	"GAR-THANE" SYNTHETIC LEATHER PISTON CUPS	MECH.	1,200	0	0	2,400 (14)
E-24	REPLACE PRESS CLOSURE PUMPS	MECH.	540	0	0	540 (14)
E-25	STEAM JACKETED CHROME TRANSFER PUMPS	MECH.	1,190	0	0	1,190 (14)

SUBTOTAL			· \$ 20,810	\$ 18,000	\$ 34,250	\$ 29,630
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NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
ENERGY						
B-7	IMPROVED DRYER UTILIZATION	PROC.	\$ 7,500	\$ 5,000	\$ 5,000	\$ 10,000
E-4	INSULATE TOPS OF P&S DRYERS	MECH.	1,600	3,000	3,000	3,000
E-5	REDESIGN STEAM TRAP PIPING ON P&S DRYERS	MECH.	2,000	3,000	3,000	3,000
E-6	HEAT SPY INFRARED VIEWER	MECH.	5,000	2,000	4,000	8,000 (10)
E-11	ENERGY CONSERVATION	MECH.	36,410	5,000	10,000	75,000 (11)
E-12	CONTROL COMBUSTION AIR ON 7 & 8 BOILERS	MECH.	11,050	7,500	15,000	15,000
E-13	MORE EFFICIENT ELECTRICAL EQUIP.	MECH.	2,280	0	3,000	3,000
B-9	MEMBRANE PRESS	PROC. R&D	0	3,000	3,000	0 (4)
B-10	MEMBRANE PRESS, CARRYOVER FROM 1980 PROGRAM	PROC. R&D	3,000	0	0	3,000 (13)
E-21	WATER CONSERVATION	MECH.	144,470	0	0	200,000 (14)
SUBTOTAL				\$ 28,500	\$ 46,000	\$ 320,000

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I.D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST		
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED
OTHER						
B-5	POLYPROPYLENE PLATES & FRAMES	PROC.	\$ 17,800	\$ 17,800	\$ 17,800	\$ 17,800
B-6	SINGLE vs DOUBLE CLOTHS, WASH PRESSES	PROC.	0	30,000	30,000	0 (12)
C-1	ORGANIC DRUM WASHER	FIN. R&D	0	6,000	6,000	2,000 (8)
C-2	REFRIGERATE CO2 STORAGE TANK	FIN. MECH.	2,000	2,000	2,000	2,000
C-3	MANUFACTURE FLAKE DRY ICE	FIN. PURCH.	3,000	3,000	3,000	3,000
F-1	PLANT BUYER	CONTROL	36,510	50,000	50,000	50,000
F-2	ALL PURPOSE COPY PAPER	CONTROL	290	440	440	440
F-3	LEASE SIX MODEL 3277 CRT UNITS	CONTROL	140	140	140	140
F-4	DISCONTINUE PRINTER RENTAL	CONTROL	200	200	200	200
E-20	DISCONTINUE RODENT CONTROL CONTRACT SERVICE	MECH.	2,600	2,600	2,600	2,600
G-3	REDUCE RATE FOR RELIEF NURSE	E.R.	440	580	580	580

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER 1981

I. D.	CATEGORY/PROGRAM	RESPON- SIBILITY	REALIZED YEAR-TO-DATE	SAVINGS FORECAST			NOTES
				COMMITTED	GOAL TOTAL	CURRENT ESTIMATED	
<u>OTHER</u>							
G-4	ELIMINATE TIME CLOCK	E. R.	\$ 640	\$ 640	\$ 640	\$ 640	
G-5	REDUCED HOURS FOR MEDICAL TECH.	E. R.	1,250	1,250	1,250	1,250	
			\$ 64,870	\$ 114,650	\$ 114,650	\$ 80,650	

NEWARK, NEW JERSEY

COST REDUCTION FORECAST/ACCOMPLISHMENT - THIRD QUARTER, 1981

Notes:

- (1) Improved press washing; better than expected performance.
- (2) Poor performance due to operator errors.
- (3) Original calculations revised to exclude water pounds.
- (4) Project deferred (cash conservation).
- (5) Project installation completed in 2nd quarter.
- (6) Lower QA production levels has reduced the savings potential.
- (7) One operator was reduced for a one month period, however, schedule changes required reinstatement.
- (8) Installation not complete. Expect completion in 4th quarter.
- (9) Process still in development stage. September trial unsuccessful.
- (10) Greater utilization of the heat spy to determine heat losses.
- (11) Extremely cold winter and the installation of thermostatically controlled heating coils in two office buildings. Exceptional performance 1st quarter, experienced some losses in 2nd quarter.
- (12) Changes in production pattern has reduced savings potential; Additional clothes purchased for membrane press.
- (13) Savings derived from installation of first membrane press; not included in forecast. Second press, item B-9, has been deferred because of cash conservation.
- (14) New item not included in forecast.
- (15) Unforeseen opportunities to locate cheaper sources of supply.
- (16) Better than expected performance of QA codes.
- (17) Restricted use of elevator has had greater impact on maintenance costs than anticipated.
- (18) Project installation delayed.
- (19) New packer being tested in inorganic finishing area.