



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

CHEMICALS AND PIGMENTS DEPARTMENT

DEPARTMENTAL ENGINEER'S OFFICE

April 21, 1983

TO: SEE ATTACHED DISTRIBUTION LIST

FROM: J. W. IGNACE *ju¹⁴₂₁*

ENGINEERING DEPARTMENT CHARGES TO COST

Attached are tables showing actual and forecast Engineering Department Charges to Cost that we plan to issue to you monthly. Included in the costs are Engineering Work Requests (EWR's), Plans and Estimates (P&E's), and service charges. These service charges are primarily associated with BM&I or Construction Division assistance in areas such as quality assurance and project closing accounting.

Year-to-date costs and forecasts from these tables may be used by sites for information for the Supplementary Information Sheet now requested* for all EWR's and P&E's.

The addition of Petroleum Chemicals Division to C&P is only partially reflected in these numbers. Full correction will be made in the next two months.

Actual costs were compiled from BM&I's monthly report No. DC-5572, "Engineering Department Study Cost and Service Charges." Site codes used for this report have been recently revised to provide a better site split between Production and R&D. Data for 1982 were corrected based on the new site codes.

Costs shown in DC-5572 will differ from those on the monthly cost sheets because DC-5572 shows all P&E expense as it is incurred while the monthly cost sheets show only the cost portion of P&E's and often that portion is reported later than it is incurred. An average P&E collects 20-25% in capital charges and 75-80% in cost charges, but the ratio varies from one to another.

Forecast costs are those from the No. 1 Forecast. Because the capital portion of P&E's is not included in the forecasts, the average forecast will be about 3% low based on 1982 data. This error will vary from site to site. Year-to-date forecasts were calculated by assuming equal spending throughout the year.

*Departmental Engineer's Letter No. 7, "Engineering Department Charges to Cost," revised 1/10/83, page 15 and exhibit B.

ENGINEERING DEPARTMENT CHARGES TO COST

MARCH 1983

(COSTS IN M\$)

	<u>ACTUAL</u>				<u>FORECAST</u>	
	<u>1981</u>	<u>1982</u>	<u>1983 YTD</u>	<u>1983 ANNUALIZED</u>	<u>1983 YTD</u>	<u>1983 12 MONTHS</u>
PRODUCTION		12,131	2,264	9,056	2,098	8,393
R&D		4,972	1,150	4,600	1,545	6,179
MARKETING		281	87	348	42	168
ALL OTHER		<u>467</u>	<u>158</u>	<u>632</u>	<u>79</u>	<u>316</u>
TOTAL	16,848	17,851	3,659	14,636	3,764	15,056
	<u>1981</u>	<u>1982</u>	<u>1983 YTD</u>	<u>1983 ANNUALIZED</u>		
DESIGN						
EWR	5,327	6,426	1,113	4,452		
P&E	2,454	2,201	604	2,416		
ESD STUDIES	5,774	5,886	1,153	4,612		
ESD FIELD ENGINEERS	2,526	2,449	502	2,008		
ERDD	504	570	108	432		
BM&I & CONSTRUCTION	<u>263</u>	<u>319</u>	<u>179</u>	<u>716</u>		
TOTAL	16,848	17,851	3,659	14,636		

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ENGINEERING DEPARTMENT CHARGES TO COST - PRODUCTION

MARCH 1983
(COSTS IN M\$)

	<u>ACTUAL</u>			<u>FORECAST</u>	
	<u>1982</u>	<u>1983 YTD</u>	<u>1983 ANNUALIZED</u>	<u>1983 YTD</u>	<u>1983 12 MONTHS</u>
Antioch	17	3	12	3	10
Augusta	1	1	4	-	-
Beaumont	1,659	498	1,992	169	674
Belle	374	57	228	95	381
Burnside	51	8	32	10	40
Chambers Works	2,709	359	1,436	260	1,038
Cleveland	110	6	24	25	100
Deer Park	1,328	162	648	432	1,727
DeLisle	765	103	412	66	262
East Chicago	137	17	68	26	105
Edge Moor	391	135	540	39	156
Florida	145	86	344	19	76
Fort Hill	37	1	4	1	4
Fortville	-	-	-	-	-
Grasselli	108	37	148	21	85
Healing Springs	17	-	-	1	4
James River	175	34	136	38	150
LaPorte	463	38	152	125	500
Memphis	1,371	236	944	324	1,295
Johnsonville	598	117	468	107	428
Newark	83	3	12	12	49
Newport	222	30	120	59	234
Niagara	553	145	580	94	374
Pineville	-	-	-	-	-
Repauno	254	50	200	63	250
Toledo	6	3	12	3	12
Washington Works	35	30	120	-	-
Wilmington	506	101	404	105	420
Wurtland	16	4	16	5	19
TOTAL	12,131	2,264	9,056	2,102	8,393

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ENGINEERING DEPARTMENT CHARGES TO COST - R&D
MARCH 1983
(COSTS IN M\$)

	<u>ACTUAL</u>			<u>FORECAST</u>	
	<u>1982</u>	<u>1983 YTD</u>	<u>1983 ANNUALIZED</u>	<u>1983 YTD</u>	<u>1983 12 MONTHS</u>
Antioch	58	-	-	-	-
Beaumont	268	62	248	110	440
Belle	-	-	-	-	-
Cleveland	45	-	-	20	80
Deer Park	751	235	940	223	890
DeLisle	443	108	432	151	605
East Chicago	42	3	12	11	45
Edge Moor	411	87	348	90	360
Experimental Station	547	124	496	184	737
Florida	3	-	-	9	35
Grasselli	54	-	-	9	36
Jackson Lab	691	141	564	197	789
LaPorte	1	4	16	-	-
Memphis	992	228	912	361	1,445
Johnsonville	365	96	384	135	539
Newark	64	-	-	-	-
Newport	83	15	60	11	42
Niagara	60	35	140	25	100
Repauno	40	2	8	9	36
Wilmington	54	10	40	-	-
TOTAL	4,972	1,150	4,600	1,545	6,179

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