

ETHYL CORPORATION

INTER-OFFICE

2028 cc: Messrs. E. Feierabend
C. Holthaus
F. Lawton
H. Loflin
J. McElderry
V. Mitchell
D. Park
R. Wolber
H. Smith

To Mr. M. M. Koenecke

FROM G. A. Hinz

SUBJECT Project 20281 Schedule to sign Part 2 papers. DATE May 3, 1977

A study is being made relative to shut down of Vinyl Plant etc. Part 2 papers have been pulled from the May Agenda. I attended a meeting with Polymer & HPA to discuss alternate plans. Engr. awaits further direction on 2028.

In accordance with your request, we have reviewed the VCI Emission Reduction project schedule expenditure forecast. Listed below as Case I is the expenditure forecast for 1977 on a monthly basis based on the schedule transmitted to EPA. This forecast is based on engineering, purchasing, and construction continuing on all items in accordance with the EPA schedule, assuming funds will be appropriated per the original plan. If approval is obtained to continue per this schedule but only use the Part 1 appropriated funds (\$600 M), then funds would be expended by early-September.

Case II is the expenditure forecast based on continuing engineering in accordance with the original schedule, purchasing long delivery items only and delaying all construction until January, 1978. This is contrary to the schedule submitted to the EPA and would require subsequent approval by the EPA. Any construction delay beyond January would probably delay completion of the project past October, 1978 because of the large manpower build-up required which may not be available. Based on this revised schedule, the Part 1 appropriated funds (\$600 M) would be expended in January, 1978.

In both cases, appropriated funds must be approved at the time the Part 1 funds are expended to avoid "shut-down" of engineering, purchasing, and construction in mid-stream of the required items. At the time the \$600 M is expended, work could be in progress on a large number of items but only a few would be complete in Case I and none complete in Case II.

Because of the uncertainty of this project, we have presently delayed construction of all items and are only purchasing long delivery items.

Engineering is continuing per the schedule. We need "direction" and approval by the latter part of May if there is to be a change in implementation of the program scope.

Also attached is an updated cost projection of each item based on process scopes received to-date.

Gary A. Hinz
Gary A. Hinz

/mbt
Attns.
cc: Messrs.

EC 2681

EXPENDITURE FORECAST - PROJECT 20281

\$ M

	1977									1978	
	Expenditures thru April 30	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb
CASE I											
Monthly Expenditure	N.A.	73	125	111	176	106	83	105	137	135	132
Accumulative Total	60	133	258	369	545	651	734	839	976	1111	1243
CASE II											
Monthly Expenditure	N.A.	73	125	78	83	38	20	30	24	100	150
Accumulative Total	60	133	258	336	419	457	477	507	531	631	781

G. A. Hinz
5/3/77

<u>Item No.</u>	<u>Title</u>	<u>Appropriation Request No.</u>	<u>Current Cost Projection</u>
HC-1	Backup Stripper	2	\$285 M
HC-2	EDC Dryer Column Vent Recovery Syst.	2	200 M
HC-3	Flare Seal	1	53 M
HC-4	Pump Seals	1	45 M
HC-5	Relief Valves	Deleted from this project	
HC-6	Fume Scrubber	1	210 M
HC-7	Emission Monitoring	2	120 M
HC-8	Reduce Fugitive Emissions from Storage Tanks	4	80 M
PVC-1	Autoclave Steam Purge System	Deleted from this project; will be installed as part of the OSHA project.	
PVC-2	Autoclave Pressure Alarm System	4	15 M
PVC-3	Autoclave to Degasser Slurry Transfer	Deleted from this project; will be installed as part of the OSHA project.	
PVC-3A	Emulsion Autoclave Batch Sampling	3	20 M
PVC-4	Gasholder Over-Under Pressure Protection	3	15 M
PVC-5	Flare Stack for Incinerator Back-up	3	140 M
PVC-6	Mechanical Seals - Nash Pumps	2	33 M
PVC-7	Rupture Discs - VCI Safety Valves	3	30 M
PVC-8	Continuous Sampling--Incinerator Stack Gases	1	44 M
PVC-8A	PVC Plant Leak Detection	1	17 M
PVC-9	VCI Water Stripper for PVC Plant Waste Water	4	640 M
PVC-10	Pilot Plant Vent	1	22 M
PVC-11	Testing Incinerator Stack Gases	1	5 M
PVC-12	VCI Evacuation	2	38 M
	Reserve and Escalation		<u>338 M</u>
		Total	<u>\$2,350 M</u>

G.A.Hinz
5/3/77

EC 2683