



**Request For Capital
Expenditures/Retirements**

REPORTING CLASSIFICATION

C1

DATE APPROVED

12/11/79

JOB ORDER NO.

OC-4886

DIVISION OR COMPANY

Organic Chemicals Dept.

LOCATION

Chicago Plant

J.O. CONTROL POINT

097

JOB TITLE

Purchase and install lead
carbonate pump

SUMMARY OF AMOUNTS

DESCRIPTION	LOCAL CURRENCY	U.S. DOLLARS
ESTIMATED PROJECT COST		\$4856
DISMANTLEMENT EXPENSE		500
TRANSFER EQUIPMENT		
GROSS AMOUNT FOR APPROVAL		\$5356
LESS TRANSFER EQUIPMENT		
LESS SALVAGE OR TRADE-IN ALLOWANCE		
NET CASH REQUIRED (GOF-3027)		\$5356

RETIREMENT DATA

	AMOUNT
COST	1,600
DISMANTLEMENT	500
LESS SALVAGE	
TOTAL - CHARGE RESERVE	2,100

ECONOMICS

as called for in General Procedure Memo #3
Attachment C. (Attach calculations)

ECONOMICS PERIOD	
NET SALES	
NAT (PROFIT/SAVINGS)	
TOTAL INVESTMENT	
% ROI (ON TOTAL INVEST.)	
INTERNAL RATE OF RETURN	
PAYOUT OF NEW FIXED CAPITAL	

REVISION DETAIL (GROSS AMOUNTS)

REV.#	DATE	AMOUNT	CUM. AUTHORIZATION
1			
2			
3			
4			
5			
6			
7			

DESCRIPTION AND REASONS REQUIRED

Funds of -----\$5356
are requested to purchase and install an air operated
lead carbonate pump.

*Closed
4/80*

SUMMARY OF ESTIMATED COST - Details on GOF-3027		ESTIMATE NO.	STARTING DATE	COMPLETION DATE	
			7/1/79	10/30/79	
ITEM NO.	DESCRIPTION	MATERIAL	LABOR	ENGINEERING	TOTAL
	See attached	4156	1000	200	5356
NET CASH REQUIRED		4156	1000	200	5356

ACCOUNTING TREATMENT		DEPR. RATE	APPROVALS	
ITEM NO.			NAME	DATE
	Dr. \$4,440 P. P. & E. (132)	7 1/4%	<i>R. J. Hines</i>	8/23/79
	Cr. \$1,600 P.P. & E. (232)		<i>V. J. Saffery</i>	8/23/79
	Dr. \$1,600 Res. for Depr. (232)		<i>W. J. Saffery</i>	11/30/79
	Dr. \$500 Res. for Depr. (432)		<i>R. H. Hines</i>	11/30/79
	Dr. \$219 Expense as Incurred			
	Dr. \$197 Inventory			
ACCOUNTING TREATMENT / ECONOMICS APPROVED BY DIV. CONTROLLER (CHECK BOXES)				
☒ <i>R. H. Hines</i>		DATE 12/3/79		
POST AUDIT PERIOD		POST AUDIT DUE DATE		
DISTRIBUTION				
			<i>G. D. Stelling</i>	12/11/79

DESCRIPTION AND REASONS REQUIRED

Proposed Work and Cost

Funds of.....\$5,356

are requested to purchase and install an air operated lead carbonate pump.

Present Situation and Justification

Basic lead carbonate is made in two carbonating tanks and pumped into a holding tank above the drum dryer. It is then dried, ground and further processed as required. The pumping operation to the holding tank above the drum dryer is accomplished by the use of a steam pump installed in 1966. The pump is badly worn. It leaks carbonate slurry on the floor and into the sewer system, aggravating the plant's effluent problems.

An overhaul will cost \$2,618. The resultant repair is judged to be short-lived. This pump is near the end of its useful life and the plant has no other pump to use as a replacement in case of failure.

A trial, air-operated diaphragm pump, the same as will be purchased, was tested recently with success in lead carbonate service. Also, the plant uses a similar design air pump in lead phthalate-sulfate processing. Its design is far more economical to maintain than the old steam pump.

Commercial Factors

This order supports a plant budget for lead stabilizers as follows:

Sales (k lb./\$)

1979 Budget			9 Months 1979		
<u>Pounds</u>	<u>Dollars</u>	<u>P.O.S.</u>	<u>Pounds</u>	<u>Dollars</u>	<u>P.O.S.</u>
8,650	4,512	1,548 (34%)	6,419	4,405	1,195 (27.1%)

CYANAMID

Details of Proposal

The plant will purchase one Wilden Model M-15-S air operated double diaphragm pump, with spare parts and necessary three inch plumbing to install. Present steam pump will be scraped.

Contingent Future Commitments

This proposal will not require additional funds to complete.

Alternatives Considered

Repair the present steam pump. This was rejected because of the high cost of parts, labor, and limited useful life.

The new pump will be more economical to maintain.

Risks

No operating risks are involved.

Summary

This is a replacement of a physically exhausted pump with a better pump.

DETAIL SHEET

SHEET NO. 1	JOB ORDER NO.	DATE 11-20-79
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COMPANY American Cyanamid Company	LOCATION Chicago, Ill.
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ITEM OR CODE NO.	DESCRIPTION	EQUIPMENT OR MATERIALS	LABOR	ENG. MECH. SVC.	TOTAL
1	Air operated pump	3190		200	3390
2	Piping	500	500		1000
3	Spare parts	197			197
4	Dismantlement		500		500
5	Shipping charges	50			50
6	Illinois state and use tax	219			219
		4156	1000	200	\$5356
<u>Dismantlements</u>		<u>Acq. Date</u>	<u>Acq. Cost</u>	<u>Disposition</u>	
Carbonate Pump		6/71	1,600	Scrap	