

REQUEST AND AUTHORITY FOR CAPITAL
EXPENDITURES / RETIREMENTSREPORTING CLASSIFICATION
D-3DATE APPROVED
8/7/79JOB ORDER NO.
OC-4762DIVISION OR COMPANY
Organic Chemicals DivisionLOCATION
Chicago PlantJ.O. CONTROL POINT
097

JOB TITLE

Purchase and install rotary
airlock feeder.

SUMMARY OF AMOUNTS

DESCRIPTION	LOCAL CURRENCY	U.S. DOLLARS
ESTIMATED PROJECT COST		\$2024
DISMANTLEMENT EXPENSE		
TRANSFER EQUIPMENT		
GROSS AMOUNT FOR APPROVAL		2024
LESS TRANSFER EQUIPMENT		
LESS SALVAGE OR TRADE-IN ALLOW.		\$2024
NET CASH REQUIRED (GOF-3027)		

RETIREMENT DATA		ECONOMIC JUSTIFICATION		REVISION DETAIL (GROSS AMTS.)			
	AMOUNT		5-YEAR AVG.	REV. #	DATE	AMOUNT	CUM. AUTHORIZATION
COST		NET SALES		1			
DISMANTLEMENT		NET SAVINGS BEFORE TAXES		2			
LESS SALVAGE		NET AFTER TAXES		3			
		% ROI (ON TOTAL INVEST.)		4			
		PAYOUT YRS.		5			
TOTAL - CHARGE RESERVE				6			

DESCRIPTION AND REASONS REQUIRED

Funds of ----- \$2024
are requested to purchase and install a rotary airlock feeder
on the plant's 25 H.P. vacuum system.

Closed
4/80

SUMMARY OF ESTIMATED COST - Details on GOF-3027		ESTIMATE NO.	STARTING DATE 7-30-79	COMPLETION DATE
ITEM NO.	DESCRIPTION	MATERIALS	LABOR	ENGINEERING
1	Rotary valve	1820	20	20
2	Spare parts	69		
3	Illinois state sales and use tax	95		
NET CASH REQUIRED		1984	20	20
ACCOUNTING TREATMENT		RECOMMENDATIONS AND APPROVALS (CHECK BOX)		
ITEM NO.	DEPR. RATE	NAME	REC.	APPR.
1	7 1/4%	PROJECT SPONSOR R. Johnson	X	
2				
3				
ACCOUNTING TREATMENT / ECONOMICS APPROVED BY DIV. CONTROLLER (CHECK BOX(ES))		DATE		
☒ <i>R. Johnson</i> <i>4/80</i>		8/7/79		
POST AUDIT PERIOD		GENERAL MANAGER		
POST AUDIT DUE DATE		VICE-PRESIDENT		
DISTRIBUTION				

CYANAMID

DESCRIPTION AND REASONS REQUIRED

Proposed Work and Cost

Funds of -----\$2024
are requested to purchase and install a rotary airlock feeder
on the plant's 25 H.P. vacuum system.

Present Situation

The 25 H.P. Hoffman vacuum system, installed in 1977, is equipped
with a manual discharge valve which creates an extremely dusty
condition in Building 20 and the laboratory when the product re-
ceiver is discharged daily.

Justification

Installation of this rotary airlock valve will allow for a slow,
controlled discharge of the contents of the vacuum product receiver.
This in turn will eliminate a major source of lead dust emission
into the Building 20 work room and laboratory. This will also help
to maintain low blood leads, be beneficial in boosting morale, and
will prevent additional problems with OSHA and Cyanamid Industrial
Hygiene Department.

Commercial Factors

This order supports a plant budget as follows:

First Five (5) Months Of 1979

<u>Sales-Pounds</u>	<u>Sales-Dollars</u>	<u>Profit on Sales</u>
4,086,000	\$2,578,000	788,000 (30.6%)

Budget for 1979

<u>Sales-Pounds</u>	<u>Sales-Dollars</u>	<u>Profit on Sales</u>
8,650,000	\$4,512,000	1,548,000 (34%)

Details of Proposal

A heavy duty Prater rotary airlock feeder will be installed in place of the present manual valve, and both the valve and collection drum will be enclosed in a dust tight enclosure. This will be completely approximately six (6) weeks after approval.

Production Factors

This proposal will not alter product quality or production rate.

Contingent Future Commitments

This proposal will not require additional funds to complete.

Alternatives Considered

No additional alternatives were considered.

Risks

No operating risks are involved.

Concise Summary

Installation of an enclosed automatic valve will eliminate a serious industrial hygiene problem.