FILE NAME: Talc (TALC)

DATE: 1974 Feb 25

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DOCUMENT DESCRIPTION: Memo RE Vacuums for Cleaning Talc Dust from Employees Clothing

INDUSTRIAL ENGINEERING DEPARTMENT

JOHNS-MANVILLE

LOS ANGELES, CALIFORNIA

Report No.

Page No. 1

Date Feb. 25, 1974

SUBJECT:

VACUUMS FOR CLEANING TALC DUST FROM EMPLOYEES CLOTHING

I. PROJECT

It is proposed to purchase three commercial vacuums for cleaning TALC dust from employees clothing.

II. PRESENT FACILITIES

Personnel have been using compressed air from an air gun to blow dust off clothing. This creates air-borne dust within the plant and should be discontinued. The proceedure of blowing off clothing with compressed air is against safety and health regulations and must be discontinued.

III. PROPOSED FACILITIES

It was proposed that a blow off booth and bag house with adaquate suction be installed. The cost estimated by Lompoc are as follows:

Cost personnel blow off booth:	Material	600.00
	Labor	2100.00
Cost to purchase 2500 CFM bag house:	Tax & freight included	$3000.00
Cost of Vacuum System:		500.00
TOTAL COST:		$6200.00

Installation of the bag house, electrical, and piping from booth to bag house would have to be added to this cost and would bring the total to over $7000.00.

Rather than go to the expense of a blow off booth and bag house it is proposed to purchase three commercial type vacuums and have the personnel vacuum the dust off their clothing. The vacuums would be positioned at the West end of the loading dock next to the time clock area.

With three units operation the men would not have to wait more than a few minutes to clean the dust from their clothing.

The three industrial type vacuums would serve a dual purpose in that they could be used for other small vacuum jobs around the plant, such as;

1. Clean dusty units before shipping.

PREPARED BY D. B. TASH REQUESTED BY D. B. TASH APPROVED

CRMC-IIT-TALC-000254

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III. PROPOSED FACILITIES (cont'd)

2. Vacuum small areas in plant and surroundings that normally are brushed off causing air-borne dust.

IV. ESTIMATED COST

ITEM NO.	DESCRIPTION	COST
1	Kent Vacuum 16 Gal with accessories	$ 454.00
2	Pullman Vacuum 20 Gal with accessories (dry pickup only)	405.00
3.	Pullman Vacuum 20 Gal with accessories (wet and dry pickup)	435.00
4	Sales Tax	64.70
5	Contingency 10%	129.40
	TOTAL	$1483.00

V. CALCULATION OF SAVINGS

None, except that the blow off booth and bag house system would cost an extimated $7000.00 plus where as this system cost is less than $1500.00.

VI. BENEFITS

Provide a system for cleaning TALC dust off clothing that is safe and will pass regulations. Also to curtail air-borne dust within the plant. It will add additional equipment for plant housekeeping and provide equipment to vacuum dust from units that are excessivley dusty.