UC-5258

ASBESTOS PILOT PLANTS AT COALINGA
PRELIMINARY ESTIMATES OF INVESTMENTS

	Manual Handling Batch Processing	Machine Handling Cont. Processing
Design Feed Rate, Basis	Six 400 lb.samples/8-hr.shift	1 Ton of ore/hr.
, Lbs/24-hr.day	7200	40,000(83% Eff.)
, Tons/200-day yr.	720	4,000
Design Product Yield	50%	50%
Design Product Rate, Tons/200-day yr.	360	2,000
New Investments:		
Land, Land Improvements and Building	(Leased Space) ✓	(Leased Space) ✓
Machinery and Equipment		
Front End Loader	-	$4,000
Crusher	$1,000	5,000
Bucket Elevator to Feed Bin	-	2,000
Dryer	4,000 (tray)	26,000(rotary)
Blower, Cyclone and Bag Filter for Dryer	-	7,000
Bucket Elevator to Hammer Mill	-	2,000
Hammer Mill (Jeffrey)	(SF)	(SF)
Screen (Rotex)	(SF)	(SF)
Cleaner (Bauer)	(SF)	(SF)
Opener	3,000	8,000
Bins for Feed, Product, Floats and Tailings	-	9,500
Cyclone Collectors with Rotary Valves	(SF)	(SF)
Dust Collector (Mikro-Pulsaire)	(SF)	(SF)
Blower (Am. Std.)	(SF)	(SF)
Air Compressor	1,000	1,000
Platform Scale	1,000	1,000
Instruments, and Misc. Lab. and Shop Equipment	3,000	3,000
Quebec Std.Testing Apparatus	(SF)	(SF)
Duct Work and Misc. Piping	1,000	5,000
Misc. Platforms, Equip.Supports and Foundations	6,000	6,000
Misc. Erection of New Equipment	2,000	7,000
Relocation of Existing Equipment	7,000	7,000
Substation and Power Wiring	1,000	3,000
Furniture and Fixtures	-	1,000
Transportation Equipment, 1 Pick-up Truck	-	2,500
Sub Total Installed Cost	$30,000	$100,000
Const.Engn.and Administration	3,000	10,000
Design Engn.	2,000	20,000
Contingency	15,000	40,000
TOTAL NEW INVESTMENT	$50,000	$170,000

NOTE: (SF) denotes re-use from Sterling Forest

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SALES - J.T. Hall

Reception has been good from the following potential customers: Mastic Tile Co., Armstrong Cork Co., and Kentile Co. All of these flocr covering manufacturers are interested in our material with respect to both vinyl and asphalt tile. Flintkote Co. appears to be interested in our material for use in asphalt tile only. The total consumption of these four manufacturers is in the order of 30,000-40,000 tons of fiber per year.

Manufacturers of other types of commodities have also been contacted. We have received encouragment on use of our material in the following applications:

1) Asbestos in cement for stucco house siding.
2) Use in joint cements.
3) As an additive to vermiculate.

Many of the above manufacturers are ready for tests with one-ton quantities of fiber. These quantities are to be supplied from the pilot plant program starting late this month.

In general, the Sales Department is quite optimistic and still feels that it should be possible to meet the schedule outlined in Dr. Pufahl's report of April 12, 1960. In that report it was stated that we are probably aiming at an August 1st target date for having enough letters of intent from customers to request construction of a plant facility.

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BISHOP - L.E. Wright

Drill Site Visit

A visit to the drill site to observe the drilling technique and sampling procedure was rendered impossible due to heavy rains. This will be done during more favorable weather. We also wished to observe another alternate access road along San Benito River to the Los Gatos Canyon road.

Mining Operation Studies

Tentative calculations have been made for a ripper-scraper mining system to determine optimum road grades between the drill site and a possible mill site located on claims Jim 6, 13, and 14. The calculations were based upon common earthmoving equipment tables and balanced against the speed and rim-pull rating of a PR619 unit.

Dry Grinding Tests

The Bishop laboratory completed one dry grinding test on a drill hole sample and additional test work using magnetic separation on different size fractions is in process. (Memo from Mr. George Brewer to Mr. L.E.Sausa, dated May 2, 1960).

The plus 60 mesh material, by visual inspection, is of comparable grade with the L-1 and L-2 products from the Tuxedo pilot plant. This test suggests the feasibility of a primary separation of the coarse gangue and the fine material (-60 mesh) for potential up-grading.

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