FILE NAME: Mead (MEAD)

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Sanders

CEMENT ASBESTOS PRODUCTS COMPANY

Ragland, Alabama

MEAD/HENDERSON00328

February 26, 1974

TO: Jim Carpenter

FROM: Bob Baker

In addition to my memo concerning EPA and OSHA Regulations, L. Sanders and I have worked up a guesstimate of expenditures that will be necessary to bring the Ragland Plant in compliance with the regulations, and an estimate of cost in converting to a dry mix.

Fiber Warehouse (see sketch 1)	
Add one collector and cyclones for dry lathes	$ 25,000.
New tank	4,000.
Move existing finishing line collector to reclaim	3,000.
Tie batch asbestos waste to reclaim	3,000.
Clean up vacuum system for warehouse and batch	20,000.
New fiber charging unit	4,600.
	$ 59,600. ST
Batch Area (see sketch 2)	
Install live bottom in fiber silo	$ 4,000.
Enclose silo and conveyor	3,000.
Place kollargang hopper under negative pressure and make minor modifications	3,000.
Rework area over pulper	5,000.
	$ 14,000. ST 15,000

Coupling Lathes and Coupling Cut-Off
No Estimate -

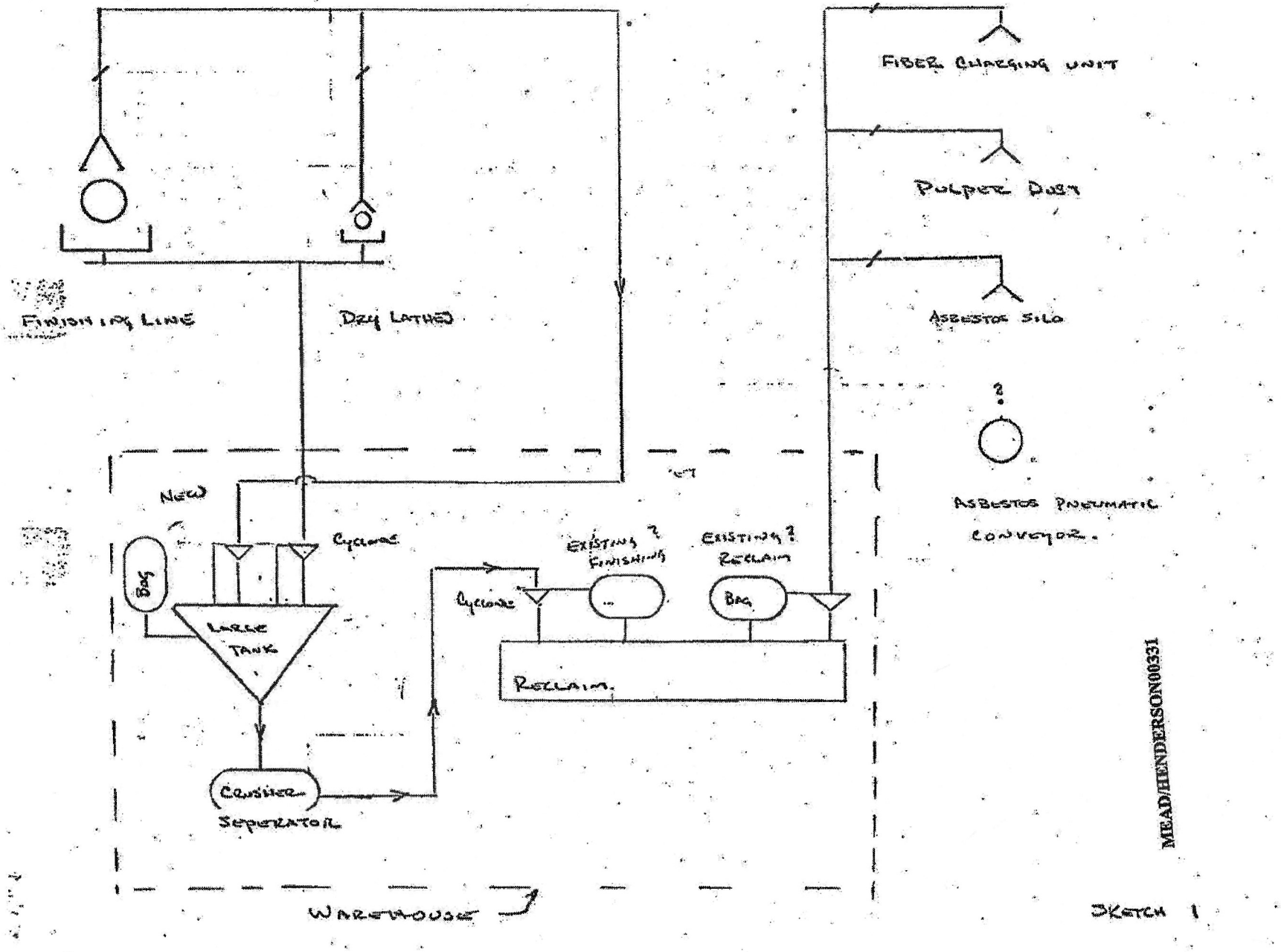
Finishing Line & Dry Lathes (Ref. sketch 1)		
Clean up vacuum system	$ 20,000.	
Hoods and hoppers	4,000.	
Piping	2,000.	
	$ 26,000.	ST
Cut-Off Saw		
Redesign with wet	$ 6,500.	ST
Change Rooms	$ 1,000.	ST
Additional Lockers	$ 2,300.	ST
Miscellaneous Violations		
Walking surfaces	$ 4,000.	
Emergency Lighting	600.	
Noise Meter	350.	
Noise Control	N/A	
Traffic Lanes	200.	
Machine Guarding	1,000.	
National Electric Code	N/A	
	$ 6,150.	ST
Liquid Waste (see sketch 3)		
Add 2 wastewater pumps below basins with controls	$ 4,500.	
Bridging	2,000.	
Piping to lake	2,000.	
Recycle system	4,500.	
Land	N/A	
	$ 13,000.	ST
Solid Waste	N/A	
TOTAL	$129,550.	

The $129,550 does not include expenditures for noise abatement, National Electric Code, nor solid waste. Noise and electric code regulations will require a more complete study before a cost can be placed on compliance. The solid waste cost would depend on whether or not we could obtain enough land to operate a sanitary land fill operation.

Dry Mix

Asbestos Elevator - Use existing elevator	
Fiber Blender	$ 14,920.
Fiber Feed	14,880.
Willow mills	17,700.
Cyclones	2,000.
Scales & Hoppers	19,000.
Batch Mixer	22,640.
Batch Feed Mixer	23,080.
Feed Screw	2,000.
Stock Pump	8,500.
Motors for Munsons	1,600.
Steel Structure	25,000.
Removing Existing Equipment	15,000.
Installation	25,000.
Motors for Willow Mills	1,200.
Electrical Equipment	2,000.
	$194,520.

cc: Bond
Weaver
Beasley
Sanders
Driver



MEAD/HENDERSON00331

MEAD/HENDERSON00332

Batch

Sketch 2

Mr. H. C. Davis, Mr. G. H. Kettering,
Mr. W. A. Enouen, Mr. W. O. Nugent

W.L.B.

MAR 15 1974

W. L. B.

CEMENT ASBESTOS PRODUCTS COMPANY
Sales Offices, 2144 Highland Avenue, South / Birmingham, Alabama 35205 • Phone 205 • 933-7281

WILLIAM R. BOND
Chairman of the Board

March 12, 1974

Mr. Warren L. Batts, President
The Mead Corporation
Talbott Tower
Dayton, Ohio 45402

MEAD/HENDERSON00320

Dear Warren:

You asked for a "get by" figure on expenditures for CAPCO.

Ragland Location (Attached is Baker's and engineers' report relative to OSHA and estimate to handle.)

	Recapitulation of Baker's and Engineers' Report		W. R. Bond's Estimate	
Fibre Warehouse	$ 59,600		$ 60,000	
Batch Area	15,000		20,000	
Coupling Lathe & Cut Off	NA		20,000	
Finishing Line & Dry Lathe	26,000		26,000	
Cut Off Saw & Miscellaneous	15,950		50,000	?
Liquid Waste	13,000		25,000	
	$ 129,550		$ 201,000	
		Land	30,000	(could possibly
		Dozer	50,000	contract out)
			$ 80,000	
		Total	$ 281,000	

The above figure takes care of the OSHA requirements at the plant; it does not include the amount of $194,520 for a dry mixing system. Our effort of controlling the cement reaction in the present wet system has proven successful, and I think we should delay any change of systems at this time. Some of the money, $15 - 20,000, to be spent on OSHA, mainly dust and fibre emission control in the batch area, will be expendable should we later install the dry mixing system. In addition to the above, we should provide the following money at Ragland for -

Mandrels	$ 50,000	(addition and replacement items)
Trays (10 @ $1500.)	15,000	
Misc. Replacements	25,000	
	$. 90,000	

MEAD/HENDERSON00321

Mandrels - we do not have sufficient mandrels to make a complete run of some sizes of pipe; for instance, when operating on 16" size we must mix 14" and 10" sizes. When making 10" pipe we must run 6" Class 200. This is inefficient, causes operating problems, loss of quality, and increased costs (because of the foregoing and increased fibre formulation). There is a long delivery time on mandrels and I expect to have them made from ductile iron at Lynchburg in order to expedite. The Plan set aside $40,000 for this purpose. Presently we have remaining three 16" 150# class mandrels; an impossible situation.

Trays - when manufacturing large diameter pipe there is insufficient numbers of trays in which to place the pipe. This pipe must be set aside and handled twice in processing, which results in excessive loss and increased costs.

Miscellaneous Replacement - this is a throw-in figure to take care of conditions and equipment which may be necessary to improve or replace. One example is a stock distribution screw in the pipe machine vat.

The engineers assure me they can do the job for the figure they have mentioned. My figures are outside estimates, including items they have not mentioned and from which the following comparison is made.

	Engineers' Estimate	W. R. Bond's Estimate
Grand Total	$ 299,550	$ 371,000

Van Buren Location

OSHA

Solid Waste Disposal	$ 80,000	(could possibly contract out)
Other	25,000	
	$ 105,000	
Additional Autoclave	75,000	
Additional Trays	15,000	(may need a few more)
Miscellaneous	25,000	
Total	$ 115,000	

Van Buren manufactures a greater amount of large diameter pipe than Ragland. Van Buren has insufficient autoclave and tray capacity. Studies are being made to reduce autoclaving time but it is doubtful if the need for additional autoclave capacity can be eliminated based on the present product mix. Lack of sufficient tray capacity requires double handling of the pipe, resulting in damage to the pipe with added cost.

Miscellaneous is to change and improve some of the conditions which are causing problem One example is the installation of stock distributor screws in the pipe machine vats. Facilities to blend two types of cement are desirable.

Total Van Buren $ 220,000.

MEAD/HENDERSON00322

	Ragland Engineers' Estimate	W. R. Bond's Estimate
Ragland	$ 299,550	$ 371,000
Van Buren	220,000	220,000
Grand Total	$ 519,550	$ 591,000

With the exception of the mandrels, trays, and autoclave, there is little cost saving as the expenditures are made to meet OSHA requirements. Savings can be made by doing some of this work with the plant people.

Mr. Weaver's recommendation to Mr. Messell of December 24, 1973, amounting to 1.2 million, was designed to provide cost improvements based on quality, production volume, and products now being purchased from the outside, such as PVC couplings. Based on the improvement in the operation at Ragland, namely learning to use the cement from National, getting the quality and maintenance under control, also, applying this knowledge and assistance from Ideal Cement Company to the cement problems at Van Buren, and assessing the need for the product and the trend towards increased prices in the marketplace, I would suggest proceeding as outlined; holding the cost to the minimum and programming in order to take advantage of any savings in doing most of the work ourselves.

Sincerely,

W. R. Bond

Enclosures (3)

WRB:rp