

**PLAINTIFF'S
EXHIBIT**

ASA-63

El Paso, Texas
January 17, 1977

Mr. L. S. Hanson
Sacaton Unit

ASBESTOS SUBSTITUTES

Persuant to our discussion at the Wigwam on the above subject, please find enclosed sales literature on three asbestos-free product lines:

1. Kaowool
Babcock and Wilcox Refractories Division
813 S. Fremont Avenue
Alhambra, Ca. 91803

and

One California Street
San Francisco, California 94111

2. Johns-Manville Sales Corporation
Sealing Components Dept.
Industrial Specialties Division
2676 Brenner, P. O. Box 29729
Dallas, Texas 75229

(214) 631-3860

3. Hitco (manufacturers of Refrasil)
Materials Division
1600 West 135th St.
Gardena, California 90249

(213) 321-8080

Refrasil cloth is being used as an asbestos substitute at El Paso on counter tops and hot plates in the lab and also as skirting material on converters and rotary kiln furnaces. Refrasil does not withstand abrasion due to rotary action of the kiln. The plain cloth or "Irish" Refrasil may be suitable in non-abrasion applications such as the insulation of truck exhaust and muffler lines, which you mentioned. Vibration could possibly shorten the useful life of the product selected. Samples of Refrasil tape and sleeving are enclosed.

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Mr. L. S. Hansen
page 2
January 17, 1977

Kaowool blanket or rope materials (rope not mentioned in catalogue), presently in use at El Paso, may also be considered as a covering. At this location blanket and rope are used for insulating and furnace caulking, respectively. These products are advertised to withstand continuous operation at temperatures of 2300°F. Kaowool paper is also being used on laboratory counter tops.

Johns-Manville is likewise developing a product line of asbestos substitutes. To date the only information we have available at El Paso is on their glass fiber rope and tape. These materials will not handle temperatures above 750°F, so they may not be adequate for your application.

If you have specific questions regarding the use of Kaowool or Refrasil products, or should you desire more detailed information, please do not hesitate to contact me.

JOHN B. RICHARDSON
Environmental Scientist

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JBR/cb

cc: TREdwards (w/o encl)
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