FILE NAME: Refractories (REF)

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REFRACTORIES Aug. 3, 1988

Steve will review Refractories lit. re Asb.

Expect to visit Refractories Institute (Pittsburgh), AISI.

* Call Jennings / Ed Beachler 412-391-9860 / 800-554-5864 / Carosalli Has this been done at all (What is reaction to use by the public? Restricted-Yes) Know any refractories experts?

But first visit Library of Congress & Eng. Library (NY)
Hire Marcy B. and Charles Lee / Walter Hang for reviews of journals 1924-70?

Texts, journals, abstracts, patents (by co.?), handbooks, manuals, advertisements (?)

Marcy: Can you help us (≥$20/h + exp.)

Debby: $2000 adv. to Steve direct, $500 for Marcy
Similar deal on charity.

Ron, Fred: Check Coll. Ins. library if Steve goes to NY? (?above)

Steve:
- Start laying out targets in S.F. and Berkeley if needed)
- Story: in connection with patents and the development of the technology
- Plan on LC, Eng. Lib., RI; Ask Eng. Lib. if they have (YEL) (LC)
- Descriptions of RI, AISI from Nat'l Div. Trade & Prof. Grps.
- Call DeZ, Jim: 312-782-9000 (Richard Stavins) re Sdts, products, workers & jobs inv.
- & expect $10K cost, maybe more ($50/h fair, half rate for hat exp. tax?)
- ~~Decide if worthwhile~~ Consider use + substitutability of Asb. (could form basis of expert evidence)
- Deal w/ Debby Rubin for grnts., Keep + bal. for expenses
- hire assistants (Will help) at $20/h to assist, xerox, etc.

Refractories

Bob Jennings 8/24/88

Castables and gunning sprays mostly did not include asbestos (Harbison Walker, Gen. Refractories) while others (AP Green) used 1-2 % in a range of products. They all made bricks with asbestos paper coatings for furnaces that faced wide variations in temperature (e.g. open hearths). The paper went between the brick and the metal skin or outside the skin. US Steel found 0.2-0.3 f/cc in installing this brick. Patching repairs on 1) destroyed ⅓ (3") of brick 2) asb. destroyed brick (3"), and 3) intact asbestos on bricks. H-W memos describe this process, which involved major asb. exposure of brick workers, laborers, welders, riggers, etc. Metal clad brick used widely in open hearths (not blast furnaces).