FILE NAME: DuPont - Remington (DRM)

DATE: 0000

DOC#:DRM000

DOCUMENT DESCRIPTION: Barry Castleman Notes - Remington History

Remington

9/6/66 patent speaks of 30-60% A in shotgun shell wadding

8/16/68 memo lists 4 employees working with asb. directly

11/19/71 letter to Zapp at DuP on toxicity says projectile was 36% A

2/17/71 J Morgan (DuP) to Remington on toxicity of primer and projectile says A is friable. Noting A causes A bis and L Ca, he recommended suitable substitute for A.

11/8/71 DuP issued a standard on "measurement and control of A dust exp."

6/13/72 DuP memo contains 55 comments by managers and engineers on the DuP std. for A about details of controlling A exposure

9/11/72 forwards new company standard Noting the issuance of emergency and permanent OSHA stds for A, notes OSHA requires med exams and recordkeeping. - 85 comments & replies

12/10/73 A air sampling found 10 f/cc ceiling limit exceeded in mixing room (10.3). 7/34 measurements were 2-6 f/cc

10/74 EPA report "Background Information on proposed amendments to NESHAPS A std. says (the only) shotgun shell mfg. plant in US used ~500 tons of A annually and was a "major source of A emissions" (pp 4-6) to be covered by the rego.

10/25/74 EPA proposed emission std for A

6/10/75 "Visit of Remington Arms Physicians" to Haskell Laboratory

4/78 "Review of A in Consumer Products" Kearney consultant rept. to CPSC
(Alphabetical) Appendix lists ammunition shell wadding cont. 1-5% A based on info from Remington and Olin in CT, and Winchester in Minneapolis

8/78 EPA ChemNet Input/Output Analysis
shotgun shell base wads (276-278)
Only one plant uses A in these products assumed still 500 t/y.
"No available monitoring data, but "free fiber release when a shotgun is discharged" a concern noted.
Other mfgrs. don't use A, "so alternatives are commercially available. The exact need for A in base wads is not clear."

10/17/79 EPA/CPSC FR notice calls for participation of wider rego on A, agencies call for unpublished data on 1) occup/consumer exposures from a wide range of products including ammunition shell wadding and on 2) alternative products (non-A).

11/7/80 PR statement:
"There is no known hazard caused by asbestos to shooters who use this type of ammunition. Limited use of A will continue in 1981.

8/22/80 Dr. EM Marks of Remington attends asbestos X-Ray Conference w/ DuP doctors incl. Med. Dir. Bruce Karrh.

9/5/80 Sets up one-day conf. reading employee X-rays for A abnormalities incl. Marks.

9/26/80 Marks reports two employees w/ X-ray changes being considered for more testing + evaluation

4/3/81 Marks reports that 7-8 out of 20-30 employees' X-rays showed "changes."

2/82 "Ash Substitute Performance Analysis" GCA rpt. to EPA says Remington converting to polyethylene, told EPA consultants they'd be out of A by end 1981.

C. DePasquale IH rpt. 0.04-0.08 f/cc breathing zone (optical
By TEM 1.0-1.9 str/cc shooter, 0.25-1.4 s/cc Crystalline