FILE NAME: DuPont Remington (DRM)

DATE: 1973 Dec 10

DOC#: DRM009

DOCUMENT DESCRIPTION: Memo from W.D. Decker to P.E. Cronin RE Sampling and Evaluation of Airborne Asbestos Dust - Bridgeport Plant

RD-69 REV. 6-58

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington.

cc: Dr. E.M. Marks
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File

Bridgeport, Connecticut
December 10, 1973

TO: P.E. CRONIN

FROM: W.D. DECKER

SUBJECT: SAMPLING AND EVALUATION OF AIRBORNE ASBESTOS DUST - BRIDGEPORT PLANT.

During the period September 27, 1973 to October 26, 1973, the writer took 34 personal and environmental samples in areas of the plant where Asbestos is handled either in it's raw form or as a Dry Molded Base Wad.

SUMMARY

1. The ceiling threshold limit value of 10 Fibers/cc was exceeded in the Asbestos Wood Flour mixing room in bldg. 340-4. This condition requires complete protective clothing.
2. The proposed 1976 time-weighted average threshold limit value of 2 Fibers/cc was exceeded for the Asbestos-Wood Flour mixing operator in bldg. 340-4; by the Process Checker in the Assemble Head and Prime Room - (New Style); and by the Colton Wad Operator.
3. Elimination of the practice of using air hoses to clean equipment and substitution of vacuum cleaning equipment is indicated.
4. More positive ventilation of machines is indicated. Entirely too much dust is created in the processing of D.M.B.W. mixture from start through A.H. & P.

RESULTS OF MONITORING PROGRAM

METHOD OF SAMPLING:

"Monitaire" portable pump utilizing Millipore 37 m.m. membrane filters contained in cassettes.

METHOD OF ANALYSIS:

Fibers counted using Unitron phase contrast microscope at 400X magnification.

Sample	Operation	Operator	Fibers/cc
#1	Colton Wad Job	Russell Summons	6.0*
#2	Colton Wad Job	Russell Summons	2.32**
#3	A.H. & P (New Style)	Wasto Fischer 8/17	0.35**
#4	Asbestos Wood Flour Mixing	Ray Phaneuf	10.3*
#5	Conventional Assembly	Charles Goll	0.03**
#6	Conventional Assembly	Irene Kahramandis 8/17	0.15**
#7	Conventional Assembly	General Room Sample	0.3**
#8	Conventional Assembly	Helen Hobocan 8/21	0.46**
#9	Colton Wad Job	Room Sample North Corner	0.56**
#10	Conventional Assembly	Michael Wartko R	1.03**
#11	Conventional Priming	Benjamin Rodriguez	0.61**
#12	Conventional Priming	William Adams	0.38**
#13	Conventional Priming	Guido Giannini	0.38**
#14	A.H. & P. (New Style)	Alfredo Posta	0.24**
#15	Miscellaneous/Involving Asbestos-Wood Flour Mixing	Ray Phaneuf	3.41
#16	Miscellaneous/Involving Asbestos-Wood Flour Mixing	Ray Phaneuf	3.44
#17	Miscellaneous/Involving Asbestos-Wood Flour Mixing	Ray Phaneuf	2.76
(#4,15,16,17)	Composite	Ray Phaneuf	2.72**
#18	Conventional Priming	Alexander Gazsi	0.99**
#19	A.H. & P. (New Style)	George Haydock	0.74**
#20	Process Checker A.H.&P (New Style)	Caroline Paro	2.10**
#21	A.H. & P. (New Style)	Anthony Palmer	1.57**
#22	Conventional Assembly	Mary Brooks	0.76**
#23	Conventional Assembly	Ann Krower 8/16	0.41**

Sample	Operation	Operator	Fibers/cc
#24	Colton Wad Job	Larry Gingras	0.92
#25	Colton Wad Job	Larry Gingras	0.23
#24,#25	Composite	Larry Gingras	0.56**
#26	Colton Wad Job	Jack Bonesi	0.73
#27	Colton Wad Job	Jack Bonesi	0.51
#26,#27	Composite	Jack Bonesi	0.62**
#28	Conventional Priming	Miguel Morrero 8/14	1.07**
#29	Conventional Priming	Willaim Dakun 8/14	0.59**
#30	A.H. & P.(New Style)	Leon Bialy 8/14	1.35**
#31	A.H. & P (New Style)	Mary Vogel 8/14 (Process Checker)	0.53**
#32	Conventional Priming	Clarence Sicolo 8/14	1.01**
#33	Conventional Assembly	Helen Tocydlowski	0.33**
#34	A.H. & P. (New Style)	John Bob	0.62**

NOTES:

* Ceiling Threshold Limit Value.

** Time Weighted Average Concentration.

Current Ceiling T.L.V. 10 Fibers/cc.
Current Time Weighted Average T.L.V. 5 Fibers /cc.
Proposed 1976 Time-Weighted Average T.L.V. 2 Fibers/cc.

W.D. Decker
Chemical Engineer

WDD/gc