FILE NAME: Brakes (BRK)

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Mr. T. H. Devlin

July 25, 1973

Mr. W. L. Phillips

Letter distributed regarding asbestos hazards in brake relining.

Attached are the results of our survey to determine the effectiveness of the letter distributed regarding asbestos hazards in brake relining.

William L. Phillips, Director
Division of Air Pollution and
Industrial Hygiene
Bureau of Environmental Services

WLP/ef

Enclosures

cc: Dr. Roop
J. Beagan, State

Date 8/29/82 by AAC

FIRM NAME	LETTER RECEIVED	LETTER POSTED	PREVIOUSLY BLOW OUT WITH AIR HOSE	NOW WILL WET WASH WITH SOLVENT AND BRUSH	VACUUM CLEAN
Norris Ford	Yes	No	Yes	No	Dust Mask
Thompson Lincoln-Mercury	Yes	Yes	No	Yes	
Compass American	Yes	No	Yes	Yes	
Victory Villa Shell	Yes	Yes	Yes	Yes	
Neal's Texaco	Yes	Yes	Yes	Yes	
Aero Citgo	Yes	Yes	Yes	Yes	
Eastern Shell	Yes	Yes	Yes	Yes	
Johnson Sunoco	Yes	Yes	Yes	Yes	
Smith Motors	Yes	Yes	Yes	Yes	Yes
McCall Truck	Yes	Yes	Yes	Yes	
Chesapeake Ford	Yes	No	No	Yes	
Detroit Deisel	Yes	No	No Brake Work		
Harry T. Campbell - White Marsh	Yes	Yes	No	Yes	
American Truck	Yes	Yes	No	Yes	
White Marsh Shell	No	No	Yes	Yes	
Keith's BP	Yes	No	Yes	Yes	
White Marsh Exxon	No	No	Yes	Yes	
Aero Motors	Yes	Yes	Yes	Yes	
Bodine's BP	Yes	No	Yes	Yes	
Middle River Mobil	Yes	No	Yes	Yes	
Woodlawn Shell	No	No	Yes	Yes	
Caton Amoco	No	No	Yes	Yes	
Brockway Trucks	Yes	Yes	Yes		Yes
Morgan's American	Yes	Yes	Yes		Yes
Catonsville Car Center	No	No	Yes	Yes	
40 West Shell	No	No	Yes	Yes	
40 West Porsche	Yes	Yes	No	Yes	Yes
Toyota West	Yes	Yes	No	Yes	
40 West Volkswagen	No	No	No	Yes	Yes
Midas Muffler	Yes	No Brake Work			

FIRM NAME	LETTER RECEIVED	LETTER POSTED	PREVIOUSLY BLOW OUT WITH AIR HOSE	NOW WILL WET WASH WITH SOLVENT AND BRUSH	VACUUM CLEAN
Monarch Lincoln-Mercury	Yes	No	Yes	Dust Mask	
Champion Ford	No	No	No	Dust Mask	
Westview Dodge	Yes	No	Yes		Yes
Chrysler-Plymouth Jeep	Yes	Yes	Yes	Yes	Yes
Jacksonville Service Center	No	No	Yes		
Kingsville Motors	Yes	No	Yes	Yes	
Kingsville Repairs	Yes	Yes	No	Yes	Yes
Grenn Chevrolet	Yes	No	No		Yes
Closs Volkswagon	Yes	Yes	Yes	Yes	
Doug Griffith Chrysler	Yes	Yes	Yes		Yes
Albrecht's American	Yes	Yes	Yes	Yes	
Town and Country Datsun	Yes	Yes	No	Yes	
Holly's Citgo	Yes	No	Yes		Yes
Goodyear Tire Stores	Yes	Yes	Yes	Yes	
Polumbo Shell Service	Yes	Yes	No	Yes	
McKeitham Sales and Service	No	No	Yes	No	No
Towson Dodge	Yes	Yes	Yes		Yes
Hillendale Texaco	No	No	Yes	Yes	
Oakleigh Texaco	Yes	No	No	Yes	
Perry Hall Citgo	No	No	No	Yes	
CML Auto Service	Yes	Yes	Yes	No	No
Padonia Exxon		No response			
Forrestors BP	Yes	No	Yes	Yes	
Owens Diagnostic Center	Yes	No	Yes	Yes	Yes
Rayco Auto Center	Yes	Yes	No	Yes	
Providence Motors	Yes	No	No	Yes	
Pollards ARCO	Yes	Yes	Yes	Yes	
Towsontowne Garage	Yes	Yes	No	Yes	Dust Mask
Grays Auto Service	Yes	No	Yes	No	No
Woodbrook Citgo	No	No	Yes	Yes	
D & R Motors		No response			

FIRM NAME	LETTER RECEIVED	LETTER POSTED	PREVIOUSLY BLOW OUT WITH AIR HOSE	NOW WILL WET WASH WITH SOLVENT AND BRUSH	VACUUM CLEAN
Brooks Buick	Yes	Yes	Yes	Yes	
Nationwide Motors	Yes	Yes	Yes	No	Dust Mask
Valley Chevrolet	Yes	No	Yes	Yes	Face Shiel
Marsden Chevrolet	Yes	No	Yes	No	No
Timonium Chrysler-Plymouth	Yes	No	Yes	No	Dust Mask
Dulaney Lincoln-Mercury	Yes	Yes	Yes	No	Dust Mask
Chieftan Pontiac	Yes	No	No	No	Dry Brush
Brooks Buick Opel		No Brake Work			
Towson Ford	Yes	Yes	No		Yes
Towson Valley Motors	Yes	Yes	Yes		Yes
Carney Towing Service	Yes	No	Yes	No	No
Jerry's Chevrolet	Yes	No	Yes	No	No
Bob Davidson Ford	Yes	Yes	Yes	No	Dust Mask
Colonial Exxon	Yes	No	Yes	No	No
Beltway Shell	Yes	Yes	Yes	Yes	
Hollenshade's BP	Yes	Yes	Yes	Yes	Yes
Stu Berger Olds	Yes	No	Yes	Yes	
British Imports, Ltd.	Yes	Yes	Yes	No	Dust Mask
Meadowcroft Motors	Yes	No Brake Work			
Spicer Auto	Yes	Yes	No	Yes	Yes
Hereford 66 Garage	Yes	No	Yes	No	No
Timonium Toyoto	No	No	Yes	No	Dust Mask
Yorktowne Shell	Yes	Yes	Yes	Yes	
Troy's International	Yes	Yes	Yes	No	Dust Mask
Towson Valley Volkswagen	Yes	No	No	Yes	
Adolph Sunoco	Yes	No	Yes	Yes	
Midas Muffler	No	No Brake Work			
Pikesville Shell Service	Yes	Yes	Yes	Yes	Dust Mask
Tollgate Exxon	Yes	No	Yes	No	No
Valley American	Yes	No	Yes	No	No
Owings Mills Shell	No	No	No	Yes	

FIRM NAME	LETTER RECEIVED	LETTER POSTED	PREVIOUSLY BLOW OUT WITH AIR HOSE	NOW WILL WET WASH WITH SOLVENT AND BRUSH	VACUUM CLEAN
Painters Mill American	No	No	Yes	No	No
Beltway American	Yes	Yes	Yes		Dust Ma
Pikesville ARCO	Yes	Yes	Yes	No	No
Pikesville Gulf	Yes	No	Yes	No	No
Woodholme EXXon	Yes	No	No	Yes	
Crest Citgo	Yes	Yes	No	Yes	Yes
Dave's Liberty Shell	No	No	Yes		Yes
Deer Park EXXon	No	No	Yes	No	No
E. J. and D Service	No	No	Yes	No	No
C & L Auto Service	No	No	Yes	No	No
Woodmoor Sunoco	No	No	Yes	No	No
Joe Grimm Ford	Yes	Yes	Yes	Yes	Yes
W. L. Neimayer	Yes	Yes	Yes		Dust Ma
Seymour Chevrolet	Yes	No	No	No	Yes
Basler's Truck Service	Yes	Yes	No		Yes
Bill Kirk Volkswagen	Yes	Yes	Yes	No	No
Len Stoller Ford	Yes	Yes	Yes	Yes	Yes
C. R. Lynch, Inc.	No	No	Yes	No	No
TOTALS					
110 Establishments	Yes	Yes	Yes	Yes	Yes
	86/24	51/59	81/29	80/30	23/87
Reinspected	No	No	No	No	No

Towson Valley Motors
801 North York Road
Towson, Maryland 21204
A.C. 301 821-8000
MERCEDES-BENZ
PORSCHE | AUDI

January 9, 1973

Baltimore County Department of Health
Division of Air Pollution and Industrial Hygiene
Maryland Avenue and Hillen Road
Towson, Maryland 21204

ATTENTION: MR. WILLIAM L. PHILLIPS, DIRECTOR

Dear Sir,

Although asbestos dust is not a significant problem with the makes we handle, please be advised that a new Company Policy has been established. This new policy forbids the use of compressed air to dispose of brake dust. Instead a new, industrial type vacuum cleaner was purchased to perform this task.

Thank you for bringing this matter to our attention and may we assure you of our fullest cooperation in the future when the health of our employees and the enviroment in general are concerned.

Very truly yours,

Peter A. Rafaeli
Vice President

TOWSON VALLEY MOTORS, INC.

PAR/ges

MOUNT SINAI SCHOOL OF MEDICINE
of The City University of New York
FIFTH AVENUE AND 100TH STREET • NEW YORK, N.Y. 10029

Department of Community Medicine

December 27, 1972

Mr. Barry I. Castleman
Division of Air Pollution & Industrial Hygiene
Baltimore County Department of Health
Maryland Avenue at Hillen Road
Towson, Maryland 21204

Dear Mr. Castleman:

Congratulations on the brake dust exposure memorandum. This is potentially an important problem, that has hardly begun to be looked at.

The purist might say that without surveillance, there will be little enforcement. I don't know whether this is entirely pertinent: for most shops, this memorandum will be their first introduction to the problem and their awareness may accomplish much more, at this stage of the problem, than the most sophisticated "regulations."

We are approaching the situation in two ways; environmental studies of both the work site and the general areas. These include measurements, to obtain data concerning general environmental contamination from the occupational sources.

Further, we are examining lung specimens obtained from individuals with brake area work history, to estimate their asbestos fiber lung burden, for comparison with like individuals without such history.

I would very much appreciate a note from you concerning your early response to the memorandum sent out. Perhaps you could call me about this.

With best wishes for the Holiday Season.

Sincerely yours,

I. J. Selikoff

Irving J. Selikoff, M.D.
Professor

IJS:sa

Castleman Exh. No. 35 A
Date 4/29/83 By AAC

BALTIMORE COUNTY, MARYLAND

INTER-OFFICE CORRESPONDENCE

TO Dr. Donald J. Roop through Robert G. Crawley Date January 4, 1973

FROM Barry I. Castleman

SUBJECT BRAKE MECHANIC CIRCULAR

This is a report of the status of our project to promote safe health practices among brake mechanics who are exposed to asbestos hazards.

The first week of December we mailed circulars to about 140 businesses where brake work is done. No response has been received by mail or phone to date.

We are now distributing these circulars to all service stations in the County, which comes to 300 to 500 premises.

We have also sent copies of the circular to the State, City and other larger County health departments. No response has been received from any of these either.

One copy was sent to Dr. I. J. Selikoff, foremost world authority on the subject of asbestos health hazards. He commended our effort and asked us to call him with our results (letter attached).

As we operate on funds which are earmarked for air pollution, there is some trepidation about further involvement in this project. However, this is "potentially an important problem that has hardly begun to be looked at", in Dr. Selikoff's words. As such, a thorough study of this problem would be a service not only to us in the County but to many other health departments in this country and elsewhere in the world.

This is what we can do:

1. Randomly interview a significant number of the establishments contacted and tabulate the findings (how many took preventive steps, how many did not, etc.), after a two month time period from first contact has elapsed.

2. Publish our findings in a periodical such as American Journal of Public Health.

This survey will tell us what reaction can be expected from small and medium sized businesses when they are notified of an easily rectifiable occupational cancer hazard, but not threatened with any regulations.

In March of 1971 the U. S. Environmental Protection Agency declared asbestos and two other toxic agents "hazardous air pollutants". These materials have subsequently received special attention as provided by the Clean Air Amendments of 1970. The Director of the Maryland Bureau of Air Quality Control has also expressed his interest in identifying all uses of asbestos, beryllium and mercury. "Where such materials are found, special efforts should be made to insure that no adverse occupational exposures or outdoor air pollution occurs."

We are now requesting your approval to carry out a complete survey as outlined above.

Barry

Barry I. Castleman, PHE
Technical Services Section
Division of Air Pollution and
Industrial Hygiene

BIC/mav
attachment

MOUNT SINAI SCHOOL OF MEDICINE
of The City University of New York
FIFTH AVENUE AND 100TH STREET • NEW YORK, N.Y. 10029

Department of Community Medicine

February 26, 1973

Mr. Barry I. Castleman
305 West Biddle Street
Baltimore, Maryland 21201

Dear Barry:

I was very much attracted to your idea of interviewing the establishments contacted by circular in Baltimore County, to see how many took preventive steps and how many did not. As you say, the survey would tell you what reaction can be expected from small and medium size businesses when they are notified of an easily rectifiable occupational cancer hazard, but not threatened with any regulations.

If it would be of assistance to you, I could provide a field investigator, in all likelihood.

The more I look at the air sampling results from areas in which brake drum repairs were being made, the more concerned I am that the problem is not being properly studied and controlled.

Sincerely yours,

Irving J. Selikoff, M.D.
Professor

IJS:jlr

Castleman 353
Date 4/29/83

305 West Biddle Street
Baltimore, Maryland 21201
March 19, 1973

Dear Dr. Selikoff,

Thank you for your letter and offer of assistance in the brake mechanic study. I submitted your letter at the same time that Dr. Lasson, a law professor, wrote to the Health Officer requesting approval for two of his students to perform the follow-up survey. A copy of the reply to Lasson is enclosed. I still intend to do the work, and expect the students to start this week on the list of brake shops copied from our files. You are welcome to let the Health Officer know what you think of his refusal to give this study a short letter of approval, which is all that was requested. My work here will be finished by autumn.

Susan Maggocchi is putting together a good brake survey in Washington, I like the leaflet format she suggests and enclose suggested changes to some of the statements.

While the results of these studies will certainly be interesting, I am far more interested in using them in published form as a vehicle to carry the warning to every man in this country who does brake repairs, as soon as possible.

Thanks again for your encouragement and support,

Barry

Castleman 4/19/83 3 of C

MOUNT SINAI SCHOOL OF MEDICINE
of The City University of New York
FIFTH AVENUE AND 100TH STREET • NEW YORK, N.Y. 10029

Department of Community Medicine

July 11, 1973

Mr. Barry Castleman
305 West Biddle Street
Baltimore, Maryland 21201

Dear Barry:

I am enclosing a number of recent reprints, including the NIH pamphlet.

Your diligence and determination concerning possible health hazards associated with brake repair work is only to be commended. Little is known of this yet, but it may turn out to be important and its neglect over the past two decades will be recognized as a serious environmental oversite..

The Bendix Research Laboratories in South Field, Michigan have recently completed a study for the Environmental Protection Agency which you may wish to peruse. It was written by M.G. Jacko and R.T. DuCharme and is entitled "Brake Emissions: Emission Measurements From Brake and Clutch Linings From Selected Mobile Sources" and is identified as report #68-04-0020. It was prepared for the Environmental Protection Agency's Office of Air and Water Programs in Ann Arbor, Michigan 48105..

While not directed to the study of asbestos contamination of brake repair work sites, it provides much useful information relevant to the problem.

Sincerely yours,

Irving J. Selikoff, M.D.
Professor

IJS:ace
enclosures

Castleman 4/29/83 351