NYC 9/11 Public Portal Document

HEALTH & SAFETY SERVICES, INC.

PO Box 249 • Hammonton, NJ 08037 • (609) 704-8850 • Fax (609) 561-7646

Indoor Air Quality • Asbestos & Lead Management • Site Assessments

January 6, 2002



Mr. Wayne Barthel
Fleet Manager
GSA Fleet Management
2890 Woodbridge Avenue
Building 201
Edison, New Jersey 08837

Re: Automobile Asbestos
Contamination Investigation
Vehicle Tag # 17434

Dear Mr. Barthel:

Per your request, Health & Safety Services, Inc. provided the services of an EPA/AHERA Licensed Asbestos Building Inspector to determine the extent of contamination of a truck that has been subject to suspect asbestos containing debris.

Two types of samples were collected from the automobile:

A bulk sample was collected from under the hood of the car adjacent to the cowl. The sample was collected using 40 CFR 763 protocols and were analyzed utilizing Polarized Light Microscopy techniques by NVLAP approved laboratories. Upon analysis of the sample, *asbestos was detected above the regulatory limit of 1% by weight.*

A Transmission Electron Microscopy Microvacuum Dust sample was collected from the back seat of the car. The sample was collected using a 25-mm diameter MCE filter contained in a three-piece standard TEM AHERA air cassette with a one inch piece of tubing attached to the face cap as a nozzle. The end of the nozzle is cut at a 45° angle. The cassette is connected to a personal sampling pump with flexible tubing and calibrated at 2 liters per minute. The area to be sampled is then vacuumed for 2 minutes, or until there is no visible dust remaining in the sampling area. At the end of sampling, the cassette is turned upward before shutting off the power to the pump. The nozzle is plugged and the cassette end sealed with an end plug. The assembly is appropriately packaged to prevent separation of the nozzle from the cassette and sealed in a plastic bag. The sample was analyzed for the presence of asbestos with the use of a Transmission Electron Microscope. *Asbestos was detected and the type is consistent with the material found under the hood of the car.*

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Enclosed in the following table are the laboratory results for all samples collected during the inspection of the automobile.

Analysis Method	Sample location	Asbestos Content
Polarized Light Microscopy EPA Method 600	Under Hood top of hood support bracket	3% Chrysotile
Transmission Electron Microscopy ASTM Method D5755-95	Seat	5 Chrysotile structures detected in a 100 cm^2 sampling area

It may be possible to clean the truck of the asbestos debris. The interior of the truck can be steam cleaned and HEPA Vacuumed, ducts of the truck should be cleaned with high volume/low pressure air washing. Exterior and undercarriage of the truck should be washed and HEPA vacuumed. Upon cleaning of all surfaces of the automobile samples could be collected and analyzed by Transmission Electron Microscopy (TEM) methods to verify the presence of asbestos.

If there are any questions, or any additional information is required, please call at your earliest convenience.

Respectfully,
Health & Safety Services, Inc.

James J. Proctor
Industrial Hygienist

GSA Fleet Management
Vehicle # 17434

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