



Inter Office

MAR 11 AM 2 14

Personnel and Organization Staff

March 9, 1981

Mr. J. Woodward
General Services
Plant Engineering
Research and Engineering

cc S. Pant, M.D. ✓
R. Quarles ✓

Subject: Materials Analyses for Asbestos

The fifty-five bulk samples you submitted to Industrial Hygiene and Toxicology Laboratory were analyzed for presence of asbestos dust and fiber. A qualitative analytical test was used to screen samples into "negative" (less than one percent asbestos) and "positive" (greater than one percent asbestos). The test includes six major mineral forms of asbestos (i.e., chrysotile, tremolite, actinolite, crocidolite, anthophyllite, amosite). Results are attached.

Forty-two samples are negative for asbestos. Normal, good industrial hygiene practices to minimize airborne dust generation from these materials during maintenance activities should be practiced. These controls include wet methods, vacuuming, local exhaust ventilation, and use of appropriate dust respirators.

Thirteen samples gave a positive presumptive test for asbestos. It should be noted that this screening test, while sensitive to as little as one percent asbestos, gives the possible presence or definite absence of asbestos. Handling these materials must be in accordance with OSHA asbestos standard regulations (attached). If you indicate, we will arrange X-ray diffraction analyses of these thirteen materials to confirm and determine percent asbestos of each type in each sample. These tests are performed by a commercial industrial hygiene laboratory. Industrial hygiene surveys for airborne asbestos dust will be scheduled for those locations where asbestos positive materials were identified.

Roger Wabeke, Supervisor
Industrial Hygiene Services Section
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dt

Attachments(3)

8004 1138

SCF-ALLF-08471

Table I

POSITIVE ASBESTOS TEST RESULTS (>1%)

<u>Sample Designation</u>	<u>Data Retrieval No.</u>
Dyno, 1st floor hallway to wing D	RLW-5048
Building No. 1, from ceiling outside room G-225	5011
EEE Powerhouse, 2nd floor	5007
Design Center basement fan room	5052
Building No. 1, 1st floor hallway outside room 1020	5012
Building No. 1, 3rd floor ceiling in hallway outside room 3102	5013
Building No. 1, 2nd floor ceiling outside room 2149	5016
Building No. 3, 1st floor hallway outside room 1108	5019
Building No. 3, ground floor ductwork janitor locker room	5024
Building No. 3, 1st floor hallway outside room 1104	5025
Building No. 5, 1st floor hallway outside room 1020 and freight elevator	5036
Building No. 5, 2nd floor room 2050	5037
New Body above Textile Lab	5056

DEPARTMENT OF HEALTH
 Industrial Hygiene Division
 Research Laboratory
 American Institute of Hygiene and Occupational Medicine

Table II

NEGATIVE ASBESTOS TEST RESULTS (<1%)

<u>Sample Designation .</u>	<u>Data Retrieval No.</u>
Scientific Research, monitor 9, fan S-29, top of	RLW-5030
Scientific Research, room S-3032, top of ceiling	5032
Building No. 5, 3rd floor, hallway outside room 3120	5039
Building No. 3, 3rd floor, hallway outside room 3102	5029
Building No. 3, 2nd floor, hallway outside room 2030	5027
Building No. 3, ground floor, hallway outside G-053	5023
Building No. 5, fan room, by room G-167	5022
Building No. 5, 3rd floor, hallway outside room 3219	5020
Building No. 3, 3rd floor, ceiling outside room 3024	5018
Building No. 1, 2nd floor, hallway outside room 2020	5017
Building No. 5, 2nd floor, hallway outside room 2104	5038
Design Center paint shop	5051
New Body monitor #8	5045
Dyno pump room across from lunch room	5043
Building No. 5, 1st floor, hallway ceiling outside room 1110	5035
Scientific Research room E-3181 top of ceiling	5034
Scientific Research room S-2061B top of ceiling	5033
Building No. 3, 1st floor, hallway outside room 1217	5028
Scientific Research, room S-1070 exhaust duct	5031
EEE fan station #148	5009
EEE fan station above cafeteria	5008
Design Center wood fab. shop	5057
New Body A/C fan room ground floor	5055
EEE ceiling above C011	5006
EEE ceiling above room D048	5005

Table II
Continued

<u>Sample Designation</u>	<u>Data Retrieval No.</u>
EEE, ceiling above room E-024	RLW-5004
Dyno Bldg., 2nd floor wing D fan room	5041
EEE, basement outside men's room #5	5003
EEE, basement tunnel entrance area	5002
Dyno 1st floor cell 10A	5049
Design Center, fan room on annex	5054
Design Center, 1st floor plastic fab. shop	5053
Dyno ground floor at column K-10	5050
New Body, 1st floor shaper room wood model shop	5047
EEE, above ceiling room E025	5001
Building No. 1, ceiling outside room G108	5015
New Body plastic shop	5046
EEE, fan station #146	5010
Exhaust Chamber Dynamometer, 3rd floor	5044
Dyno Bldg., 3rd floor catalyst lab	5042
Building No. 1, 3rd floor ceiling outside room 3004	5014
Building No. 5, hallway outside room G036	5021
Building No. 3, 2nd floor hallway outside room 2100	5026
Dyno Building., 2nd floor A wing fan room	5040
Scientific Research, room E-3155 above ceiling	5000

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