

Marc Maheux
Jericho-Underhill Water District
PO Box 174
Underhill, VT 05489

Dear Marc:

August 21, 2007

Please find enclosed results for one (1) sample, Project Ref: WSID 5096, Aerotech P&K Job #760-708-0004, which you submitted for asbestos analysis by Transmission Electron Microscopy (TEM).

The results according to the USEPA Phase II Primary and Secondary Drinking Water Regulations EPA Method 100.2 (fibers longer than 10 microns) are listed under column A. (" $<$ " is equal to the value of the detection limit)

SAMPLE ID	A (million fibers/liter)	Date & Time Filtered	Date & Time Analyzed
419 VT Rte 15	<0.179	08/02/07; 11:55	08/17/07; 18:27

The final Maximum Contaminant Level Goal (MCLG) and Maximum Contaminant level (MCL) for asbestos in water is 7.0 million fibers/liter.

Aerotech P&K Billerica is accredited by NYELAP (#10838) and the Commonwealth of Massachusetts (#M-MA038) for asbestos analysis of water samples.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted above.

Aerotech P&K is not responsible for incorrect sampling procedures since these water samples were not collected by our lab personnel. Aerotech P&K is only responsible for the analysis and reporting of submitted samples. Accreditation in no way constitutes or implies product certification, approval, or endorsement by NELAP. This report relates only to the specific samples tested herein. The enclosed report shall not be reproduced except in full, without the written approval of Aerotech P&K.

Should you have further questions, or need additional information, please feel free to contact Client Services or me any time.

Sincerely,



Aimee L. Cormier
Microscopist

AEROTECH P&K BILLERICA
ASBESTOS BY TEM (INDIVIDUAL SAMPLE, LEVEL I OR II)
 (COPYRIGHT (C) 1998 BY APK - VER 6.3 SEPT 98)

CLIENT: Jericho Underhill WD CONTACT PERSON: Marc Maheux
 SAMPLE: 419 VT Rte 15 TYPE: Water PROJECT#: WSID 5096

FILTER TYPE: MCE ACTIVE DIAMETER (mm): 22.14
 VOLUME FILTERED (LITERS): 0.0300
 GRID TYPE: 200 FINDER OPENING AREA (mm²): 0.00895
 MICROSCOPE USED: PHILIPS EM 300
 ACCELERATING VOLTAGE (kv): 80 BEAM CURRENT (UA): 40
 MAGNIFICATION: 18,000 TOTAL AREA EXAMINED: 0.07160 (MM²)
 GRIDS EVALUATED ACCORDING TO AHERA PROTOCOL: Y
 ANALYZED BY: Aimee Cormier DATE: 08/17/07 APK JOB NO: 708-0004

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:

F FIBER	NA NON-ASBESTOS MINERAL
X FIBER INTERSECTING GRID	AB AMBIGUOUS MINERAL
B BUNDLE	ST STRONG SAED PATTERN
M MATRIX	FV FAINT OR VANISHING SAED PATTERN
C CLUSTER	NP NO PATTERN (FOLLOWING ATTEMPT)
CH CHRYSOTILE ASBESTOS	NX NO PATTERN (NO ATTEMPT)
AM AMOSITE ASBESTOS	PA PATTERN AMBIGUOUS
CR CROCIDOLITE ASBESTOS	TA TREMOLITE-ACTINOLITE ASBESTOS
AN ANTHOPHYLLITE ASBESTOS	

EDX PROFILE. ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

SAMPLE #: 419 VT Rte 15 APK #: 708-0004.01
 VOLUME FILTERED (LITERS): 0.0300 TOTAL AREA EXAMINED: 0.07160 (MM²)

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN <5	LEN >=5
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BEGIN GRID OPENING NO. 01 LOCATED: 1-H5
 BEGIN GRID OPENING NO. 02 LOCATED: 1-I5
 BEGIN GRID OPENING NO. 03 LOCATED: 1-J5
 BEGIN GRID OPENING NO. 04 LOCATED: 2-H5
 BEGIN GRID OPENING NO. 05 LOCATED: 2-I5
 BEGIN GRID OPENING NO. 06 LOCATED: 2-J5
 BEGIN GRID OPENING NO. 07 LOCATED: 3-H5
 BEGIN GRID OPENING NO. 08 LOCATED: 3-I5

PLATE #:
 COMMENTS: 1251-j2, j4, j6

TOTAL 0 0

AEROTECH P&K BILLERICA
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
(COPYRIGHT (C) 1998 BY APK - VER 6.3 SEPT 98)

CLIENT: Jericho Underhill WD CONTACT PERSON: Marc Maheux
SAMPLE: 419 VT Rte 15 TYPE: Water PROJECT#: WSID 5096

I ASBESTOS CONCENTRATION

- A) TOTAL ASBESTOS COUNT = 0.0000 STRUCTURES/cc (= 0.00 STR/LIT)
B) TOTAL ASBESTOS COUNT = 0.00 STRUCTURES/SQUARE MILLIMETER

II ASBESTOS CHARACTERISTICS

- A) CHRYSOTILE:
 NONE OBSERVED

B) AMPHIBOLES:
 NONE OBSERVED

III COUNTING DATA

- A) TOTAL GRID OPENINGS EXAMINED = 8
B) TOTAL STRUCTURES INVESTIGATED = 0
C) TOTAL ASBESTOS CONTAINING STRUCTURES OBSERVED = 0
 NO. CHRYSOTILE FIBERS = 0
 NO. CHRYSOTILE BUNDLES, CLUSTERS, MATRIX STRUCTURES = 0
 NO. AMPHIBOLE FIBERS = 0
 NO. AMPHIBOLE BUNDLES, CLUSTERS, MATRIX STRUCTURES = 0
D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED = 0
E) ANALYTICAL SENSITIVITY (ESTIMATED NOT TO EXCEED): 179.23002 STRUCTURE/cc

IV FILTER LOADING DATA

- A) TOTAL ASBESTOS MASS (VOL) = 0.0000 PICOGRAMS PER LITER (=nanogram/M³)
B) TOTAL ASBESTOS MASS (AREA) = 0.0000 PICOGRAMS PER MM²
C) TOTAL ASBESTOS COUNT = 0.00 STRUCTURES PER MM²
D) TOTAL PARTICLES INVESTIGATED = 0.00 STRUCTURES PER MM²
E) ASBESTOS LIMIT (ESTIMATED NOT TO EXCEED): 13.97 STRUCTURES/MM²

RESPECTFULLY SUBMITTED: Amie L Cormier DATE: 8/17/07

Client: Teniche Underhill Water Dist	Project #: WSID 5096	Job#	Quote#	Comments (Special Instructions)
Address: P.O. Box 174		Shaded areas for office use Analysis Requested Check analysis and required method. *Rush turnaround times must be Pre Approved Use comments section to further define.		
Underhill, VT 05489				
Phone: _____	Fax: _____	Contact: _____		
Requested Turn Around Time		Same Day _____		
15 Business Day ☒	5 Business Days _____	48 Hours _____		
10 Business Day _____	3-4 Business Days _____	24 Hours _____		
Sample Type Codes		S-Solid W-Wastewater BH-Biohazard CH-Chemical Hazard		
SO-Soil A-Air		S-Solid Z-Other		
Sample ID Use one line per container	Date Time Collected	Sample Type		
1 419 VT RTE 15	8:00 AM 8/1/07	DW 1 PX		
2				
3				
4				
5				
6				
7				
8				
9				
10				
Sampled by (print): Marc Mahery		Signature: Marc Mahery		
Relinquished by: Marc Mahery		Received by: _____		
Sample Login: _____		Date: 8/1/07 Time: 8:00 AM		
Sample Prep: _____		Date: 8/1/07 Time: 9:00 AM		
Date: _____		Date: _____ Time: _____		
Date: _____		Date: _____ Time: _____		

REMIT TO Box 510403
Philadelphia, PA 19175-0403



INVOICE NO. 76002451	Invoice Date 8/22/07
AerotechPK Project No. 760-708-0004	Client ACCT. NO. 367970

* Any discounts are reflected in the unit price.