

HUB TESTING LABORATORY, INC.
Environmental Testing Service

95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

**OPERATION AND MAINTENANCE ACTIVITIES
AND
PERIODIC CLEANING**

Provide the following:

Name of person performing activity:

See Attachment A – Contractor Documentation

Start and completion date of activity:

February 19, 2002

Location where activity occurred:

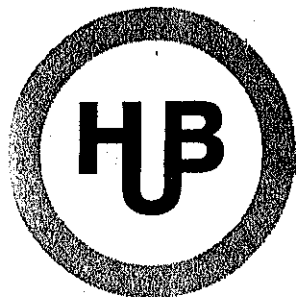
Crawl Space below Boy's Locker Room

Description of activity including preventative measures:

See Report

Name and location of disposal site for waste ACBM, if necessary (copy of manifest):

Southern Alleghenies Disposal Service
843 Miller Picking Road, Davidsville, PA 15928
See Attachment B – Waste Disposal Documentation



HUB TESTING LABORATORY, INC.
Environmental Testing Service

95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

Report for:

Haverhill Public Schools
Ed Dufresne, Designated Person
Electrical Inspector's Office
Haverhill City Hall
4 Summer Street
Haverhill, MA 01830

Project:

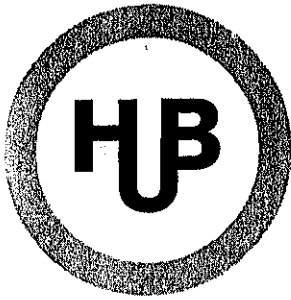
Operations and Maintenance Activity
Emergency TSI Removal Crawl Space below
the Boy's Locker Room

John Greenleaf Whittier Middle School
256 Concord Street
Haverhill, MA 01830

Prepared By:

Hub Testing Laboratory, Inc.
95 Beaver Street
Waltham, MA 02453

Fredrick J. Boyle
for Susan Boyle
Vice President



HUB TESTING LABORATORY, INC.

Environmental Testing Service

95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

Contents

Report
Daily Monitor Checklist
Pre-abatement Inspection Form
Analytical Data
Final Clearance Inspection Form

Attachment A

Contractor's Documentation
Contractor's Certification
Liability Insurance
Personnel Documentation

Attachment B

Waste Disposal Documentation

Attachment C

Project Notifications
DEP Notification

Attachment D

Hub Documentation
Lab Certification
Project Monitor License
Project Monitor Certification



HUB TESTING LABORATORY, INC.

Environmental Testing Service

95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

Project: Emergency TSI Asbestos Removal within the crawl space on a pipe connected to a leaking steam heating line below Boy's Locker Room

Site: John Greenleaf Middle Whittier School
256 Concord Street
Haverhill, MA 01830

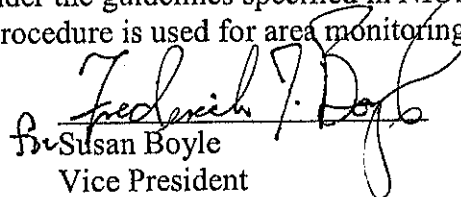
Project Monitor: David W. Cunliffe

Date: February 27, 2002

Hub Testing Laboratory, Inc. was contracted on January 19, 2002 to monitor the removal of less than three (3) linear feet of TSI insulation on a steam pipe leaking in the crawl space under the Boys Locker Room. The steam heating pipe in the crawl space was leaking. In order to do the repair of the leak, a pipe with air cell asbestos insulation would need to be removed. On January 19, 2002, Kimball Mechanical Services, Inc. 151 Essex Street, Haverhill, MA, with trained Asbestos-Associated Project Workers, performed the emergency removal via glove bag technique. Hub Testing Laboratories, Inc. set up air monitoring in the crawl space and outside the single chamber decon located in the boys locker room during the glove bag abatement work (see analytical data).

The contractor set up the work area per AHERA Appendix B to Subpart E for Small Scale, Short Duration Operations and Maintenance Activities and Massachusetts regulations, using the glove bag technique procedures.

All air monitoring and testing was performed under the guidelines specified in NIOSH, Asbestos and Other Fibers Method 7400. This procedure is used for area monitoring


Susan Boyle
Vice President



HUB TESTING LABORATORIES

Consulting and Testing Engineers

95 Beaver Street — Waltham, Mass. 02154 — (617) 893-8330

REPORT FOR: City of Haverhill

PROJECT: John Greenleaf Whittier Middle School

CONTRACTOR: Kimball Mechanical

DATE: 2-19-02

Checklist Adequate Deficient

- 1. Contractor's Personnel: # 2 _____
- 2. Signs: _____
- 3. Barriers: _____
- 4. DECON Facility Condition: _____
- 5. Housekeeping In/Out: _____
- 6. Entry/Exit Procedures Followed: _____
- 7. HEPA Exhaust Operating: _____
- 8. Work Procedures Followed: _____
- 9. Respiratory Protection Used: _____
- 10. Differential Pressure: _____
- 11. Copy of Contractor's Air Sampling Reports: N/A Received
- 12. Copy of Contractor's Daily Logs: _____ Received
- 13. Signs of Heat Stress: Present Not Present
- 14. Unusual Occurences: _____
- 15. Action Taken: _____
- 16. Hub Testing's Air Monitoring Test Results: see ATTACHED

Sample I.D.	Location	Fibers/cc

Technician: D. de Cillife Log In: 7:35 Am Log Out: 2:00 pm

HUB TESTING LABORATORY, INC.

Environmental Testing Service



95 Beaver Street – Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

PRE-ABATEMENT INSPECTION FORM

WORK AREA I.D.: Crawl Space WORK AREA DESCRIPTION: Remove three small pieces of TSE hanging from ONE, 15 Foot section of pipe to be replaced

DEMOLITION REQUIRED (describe) (*):

NO

MATERIAL TO BE ABATED (describe, give quantities):

TSE - less than 3 Linear Feet

ESTIMATED DAYS REQUIRED FOR ABATEMENT: 2 hours

CRITICAL BARRIERS IN PLACE:

Windows N/A Doors N/A HVAC Vents N/A Electrical Switches N/A
Electrical Outlets N/A Other _____

	YES	NO
ALL MOVABLE EQUIPMENT OUT OF AREA	<u>N/A</u>	_____
ALL NON MOVABLE EQUIPMENT WRAPPED (*)	<u>N/A</u>	_____

DECONTAMINATION FACILITIES (*):

FULL THREE CHAMBER PDF WITH HOT/COLD WATER _____
TWO CHAMBER EDF WITH WATER IN WASH CHAMBER _____
IF OTHER DESCRIBE SINGLE CHAMBER UNIT AT ENTRANCE TO CRAWL SPACE

TYPE OF RESPIRATORY PROTECTION TO BE USED: 1/2 Face w/ P-100 cartridges
NUMBER OF NEGATIVE AIR MACHINES OPERATING (*): N/A
PRESSURE READING: N/A
CONTAINMENT SMOKE TESTED: N/A

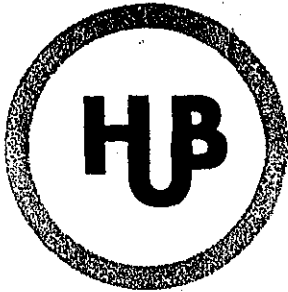
PIH'S SIGNATURE: [Signature] DATE 2/19/02

CONTRACTOR'S SIGNATURE: _____ DATE _____

(*) - Indicate on sketch

HUB TESTING LABORATORY, INC.

Environmental Testing Service



95 Beaver Street – Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

DAILY AIR MONITORING DATA SHEET

Report For: City of Haverhill
John Greenleaf Whittier Middle School

Contractor: Kimball Mechanical

Date: 2/19/02

Work Area: Crawl space below Boys Locker Room

Type of Sampling: Air monitoring during Short Duration, Small Scale OTH Activities

PUMP NUMBER	29	12	29	12	09	12
CALIB. METHOD	Bubble	bubble	bubble	bubble	bubble	bubble
PRE-CALIB.	15.0	15.0	8.0	8.0	9.3	8.0
POST-CALIB.	15.0	15.0	8.0	8.0	9.3	8.0
AVG. FLOW	15.0	15.0	8.0	8.0	9.3	8.0

BLDG. Whittier FLOOR 1st WING _____

SAMPLE I.D	SAMPLE LOCATION	PUMP #	START	STOP	TOTAL MIN.	VOL. (L)	FIBERS	F/cc	F/mm2
P-1	Classroom outside opening	29	8:00am	8:45	45	675	7	0.005	
P-2	Boys Locker Room	12	8:005	8:45	40	600	7.5	0.006	
A-1	Classroom	29	8:45	11:35	170	1360	14	0.005	
A-2	Boys locker Room	12	8:45	11:36	171	1368	22	0.007	
A-3	Inside work area - CRAWL SPACE	09	10:55	1:35	160	1488	TDTG		
A-4	Boys locker room	12	11:38	1:37	119	952	10	0.005	

Project Monitors Signature [Signature] Date 2/19/02

Technicians Signature [Signature] Date 2/19/02

HUB TESTING LABORATORY, INC.

Environmental Testing Service



95 Beaver Street - Waltham, MA 02453
(781) 893-8330 (781) 893-4414 (fax)

FINAL CLEARANCE FORM

WORK AREA I.D. CRAWL SPACE Below Boys Locker Room

CONTRACTOR Kimball Mechanical

VISIBLE DEBRIS NOTED ON:

	YES	NO
1. FLOORS	<u>N/A</u>	
2. WALLS	<u>N/A</u>	
3. CEILINGS	<u>N/A</u>	
4. PIPES		<input checked="" type="checkbox"/>
5. ELBOW FITTINGS		<input checked="" type="checkbox"/>
6. DUCTS	<u>N/A</u>	
7. HORIZONTAL SURFACES	<u>N/A</u>	
8. EQUIPMENT		<input checked="" type="checkbox"/>

LOCKDOWN ENCAPSULANT APPLIED NO

SAMPLES COLLECTED USING AGGRESSIVE METHODS N/A

SAMPLE VOLUMES ADEQUATE FOR DETECTION LIMIT N/A

DATE SAMPLING PUMPS CALIBRATED onsite 2/19/02

FINAL AIR SAMPLE RESULTS N/A

FINAL AIR SAMPLES - PASS N/A

FINAL AIR SAMPLES - FAIL N/A

CONTRACTOR NOTIFIED Verbally - Final Visual only

MONITOR'S SIGNATURE [Signature] DATE 2/19/02

ATTACHMENT A

CONTRACTORS DOCUMENTATION

INSTITUTE FOR ENVIRONMENTAL EDUCATION, INC.

16 Upton Drive, Wilmington, MA 01887
(978) 658-5272

IEE

IEE

This is to certify that
Jim L Howie

has completed the 16-hour course

Asbestos Operations & Maintenance Training

January 14-15, 2002

Course Dates

Course Location

Institute for Environmental Education
16 Upton Drive
Wilmington, MA 01887

January 15, 2003

Expiration Date

January 15, 2002

Examination Date

02429710524698

Certificate Number



President/Director of Training

INSTITUTE FOR ENVIRONMENTAL EDUCATION, INC.

16 Upton Drive, Wilmington, MA 01887
(978) 658-5272

IEE

This is to certify that
Steve C. Gigliotti

has completed the 16-hour course

Asbestos Operations & Maintenance Training

November 1-2, 2001

Course Dates

Course Location

Institute for Environmental Education
16 Upton Drive
Wilmington, MA 01887

November 02, 2001

Examination Date

01384010524520

Certificate Number

November 02, 2002

Expiration Date



President/Director of Training

ATTACHMENT B
WASTE DISPOSAL DOCUMENTATION

J.O.B. / ROLLOFF, INC.

Asbestos Waste Transport & Disposal

Box 6037, Chelsea, MA 02150

(617) 387-1495



ROLL-OFF CONTAINERS
10-15-20-30-40 YARDS

NON-HAZARDOUS WASTE

RQ, ASBESTOS, 9, NA2212, PG III



3549

ASBESTOS DISPOSAL & DOCUMENTATION FORM

Job Number 02-017 P.O. # _____
 Contractor All State Abatement Professionals, Inc.
 Address 60 Railroad Street
 City Haverhill State MA Zip 01835
 Telephone Number (978) 374-5420
 Date Container Del. _____ Date of Pickup 3-26-02
 Type of Container 40YARD CLOSED
 Friable Non-Friable
 Bag 2 Drum _____ Box _____ Other _____

GENERATOR/BUILDING OWNER
 Name CITY OF HAVERHILL
 Address 4-Summer ST
 City HAVERHILL State MA Zip 01835
 Phone Number 978-374-2355

GENERATING LOCATION
 Name WHITTIER SCHOOL
 Address 256 Concord ST
 City HAVERHILL State MA Zip 01835
 Phone Number _____

E.P.A. AGENCY

CT, MA, RI, VT, NH, ME
GENERATORS

U.S. EPA - Region I
Air Management - JFK Building
Boston, MA 02203
(617) 565-3265

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Authorized Signature [Signature] Date 3-26-02

Transporter 1: J.O.B. / ROLLOFF, INC. • P.O. BOX 6037, CHELSEA, MA 02150 • (617) 387-1495

I hereby certify that the above named material was picked up at the generator site listed above, and, if applicable delivered to the temporary storage/transfer location or final landfill destination.

Driver: William McGlashan Registration #: MA 10013 Date: 3/26/02
Signature State / #

TEMPORARY STORAGE / TRANSFER FACILITY: WASTE MANAGEMENT OF CONNECTICUT, INC.
203 PICKERING STREET, PORTLAND, CT 06480
PHONE: (860) 342-0667 PERMIT # SW 1130223

Received By: K. Johnson-Maurance Date: 4/1/02
I hereby certify that the above named material has been accepted at the above named facility.

Transporter 2: WASTE MANAGEMENT OF CT, INC., P.O. BOX 144, PORTLAND, CT 06480 (860) 342-0667

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver: [Signature] Registration #: AB 273 Date: 4-8-02
Signature State / #

Landfill Name: Southern Alleghenies Disposal Service Phone No: (814) 479-2537

Location: 843 Miller Picking Road, Davidsville, PA 15928 Permit #: 100081

Approximate Volume of Asbestos Received: 1cy

Discrepancy If Any: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the information provided is true and accurate.

Received by: Michael Mann Date: 4-9-02

ATTACHMENT C
PROJECT NOTIFICATION

Not Supplied

Kimball Mechanical was unaware of the need to notify. This was not found out until project completion.

ATTACHMENT D
HUB TESTING DOCUMENTATION

Control No: 10563



THE COMMONWEALTH OF MASSACHUSETTS
Department of Labor and Workforce Development
Division of Occupational Safety

399 Washington Street, 5th Floor, Boston, Massachusetts 02108

CERTIFICATION FOR ASBESTOS ANALYTICAL SERVICES

HUB TESTING LABORATORY, INC.
95 BEAVER STREET
WALTHAM MA 02154-

LICENSE: AA000013

EXPIRES: Friday, June 07, 2002

IN ACCORDANCE WITH MGL CH. 149 § 6B AND 453 CMR 6.08 THIS CERTIFICATE IS ISSUED BY THE DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT, DIVISION OF OCCUPATIONAL SAFETY TO PROVIDE THE ASBESTOS ANALYTICAL SERVICES SPECIFICALLY LISTED BELOW:

CLASS B CERTIFICATE

CLASS C CERTIFICATE


Robert J. Prezioso, Deputy Director

Commonwealth of Massachusetts



Division of Occupational Safety

Robert J. Prezioso, Deputy Director

Asbestos Project Monitor

DAVID W. CUNLIFFÉ

Eff. Date 10/26/2001

Exp. Date 10/25/2002

AM 60912

Member of CONES

NW000913



WN - NEW

INSTITUTE FOR ENVIRONMENTAL EDUCATION, INC.

16 Upton Drive, Wilmington, MA 01887
(978) 658-5272



This is to certify that

David W Cunliffe

has completed the requisite training, and has passed an examination for accreditation

Asbestos Project Monitor

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

October 12, 2001
Examination Date

01385617310792
Certificate Number

October 8-12, 2001

Course Dates

Course Location
Institute for Environmental Education
16 Upton Drive
Wilmington, MA 01887

October 12, 2002
Expiration Date

President/Director of Training

1/22/01 Re: Telephone Conversation W/Hub Testing Results of Test
at J. Sheenleaf Whittier School (Crawl Space)

Test results were positive A CM !!!

Talked to Fred Boyle about designing safe access for workmen
to enter area to make repairs! Also some abatement work
on damaged pipe.

Need information to go out to bid how to build containment area
thickness of Poly material. Whether work can be completed
during school hours or be scheduled for after school closes!

Fred Boyle said he would get back to me on 1/23/01 with
pertinent information regarding this project!

Received telephone fax re: specs for abatement at Concord
St. School.

Mike Lavoie 978 265 7050

Plan for Repair included, not to be implemented to
costly for a small job.

Plan for complete abatement of entire crawl space to follow

