EnviroScience Consultants Inc.

Environmental Engineering . Industrial Hygiene . Laboratory Services

October 26, 1992

Mr. Thomas Psomas
Manager of Environmental Services
New Milford Public Schools
50 East Street
New Milford, CT 06776

RE: Designated Person Surveillance September 1992 ESC Project No. 90-0234C

Dear Mr. Psomas:

Enclosed are the reports generated from the Asbestos Periodic Surveillance inspections conducted on October 8, 1992. The forms (ED-076A) have been filled out for each school.

Also included are summary pages from the reports generated from the asbestos removal work performed during the previous six (6) months. The forms (ED-076B) have been filled out with attachments and are also included. These forms should be added to the permanent file on hand at each school to document updates and revisions to the Management Plan for the State to review, if necessary.

invoiced 12/4/92

Should you have any questions regarding this material, do not hesitate to contact us.

Sincerely,

Robert L. May, Jr. Technical Designer

RLM:des

90-02341:PC6

DESIGNATED PERSON REPORT ASBESTOS PROGRAM

On October 8, 1992, EnviroScience Consultants, Inc.'s Technical Designer, Robert L. May, Jr. performed routine inspections for the New Milford Public School System. The inspection was conducted under the Designated Person Periodic Surveillance program as described in the AHERA regulations.

The inspections were conducted in order to update the present conditions of known or assumed asbestos-containing building materials (ACBM) noted on the most recent Asbestos Management Plans and to identify areas where corrective measures may be required. The March and April, 1990, New Milford Asbestos Management Plans were referenced during the October, 1992, inspection, as well as the March, 1992, Designated Person Reports. In addition, the asbestos abatement reports generated from the asbestos removal work which occurred during the previous six (6) months were used to prepare the reports.

The following buildings were inspected on October 8, 1992: The New Milford Public Schools Maintenance Building on Bridge Street, the Lillis Administration Building at 50 East Street, Hill and Plain School at 60 Old Town Park Road, Schaghticoke Middle School and Northville School on Hipp Road, Pettibone Elementary School at 2 Pickett District Road, and the New Milford High School at 25 Sun Valley Road. The inspections involved the visual reassessment of any ACBM or Assumed ACBM listed in the Asbestos Management Plan for each school. The date of the inspection and location of the material was noted along with any changes in the condition of the material and recommended response actions. The reinspection forms are attached.

The following buildings had ACBM or assumed ACBM, the condition of which has changed, along with the response action since the previous inspection: Schaghticoke School, Pettibone Elementary School, and the New Milford High School. Most of the changes in these schools was due to extensive renovation activities and removal of asbestos during the previous six (6) months. Please refer to the attached ED-076B for Asbestos Abatement Activities and the attached Table I which summarizes the results of this surveillance.

Page 2

In addition, two (2) new assumed ACBM have been identified in the following buildings: 1) New Milford High School - an additional fume hood was identified in classroom 153, and 2) Maintenance Building on Bridge Street - 9" X 9" assumed asbestos-containing floor tile was identified on the second floor.

Prepared by:

Robert L. May, Ir. Technical Designer Reviewed by:

Ralph L. Gumpert, CIH, CSP

Principal Environmental Hygienist

90-02341:PC6

Schaghticoke Middle School, Hipps Road, New Miford, Connecticut

Date	1 yr.	cticut	Date		
Recommended Response Action	Removal	ry School, 2 Pickett District Road, New Milford, Connecticut	Recommended Response Action	s d x 12' eting.	s 992.
Observed Condition	3 damaged panels	District Road,	Observed Condition	Material has been covered with new 12' x 12' VCT or carpeting.	Material was removed in Summer of 1992.
Type	Misc.	2 Pickett	Type	Misc.	ISI
Location	Across from Field Hockey field	Elementary School,	Location	Throughout	Pipe tunnels throughout
ACBM	Ext. Transite Soffit Panels	Pettibone Elementa	ACBM	Floor tile	Pipe fitting cement

New Milford High School, 25 Sunny Valley Road, New Milford, Connecticut

Date	l yr.
Observed Recommended Condition Response Action	Many damaged Removal elbows with debris on tunnel floors.
Type	TSI
Location	1962 pipe tunnels
ACBM	Pipe fittings

ANNUAL ASBESTOS MANAGEMENT PLAN UPDATE ED076A Schedule A. Asbestos Material Summary

AMP.

:2

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

BTATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219 Hartford, CT 05145

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			P.O.	BOX 2219, Hartfo	rd, CT 06145		10
TOWNER	NON HAME		FACILITY HAME AND ADD	RE\$\$			DATE OF AMP UPDAT
New !	Milford		<u>Maintenance</u>	Building,	Bridge ?	Street.	10/8/92
	<u>Genera</u>	<u>l Instruc</u>		J	•		
	Pr	ovide the	name of the sc	hool distric	t where the	facility is loc	ated as
	well a the AM	s the nam P Update	e and address o is submitted.	f the facili	ty. Also in	dicate the date	on which
	be pro	vided for	containing more each material. in the upper r	Please numi	ber the page	separate Sched s of each Sched	ule A must ule A
	1Asi	oestos Co	ntaining Area:_	Basemer	nt - Boiler	Room	
	2. Tyı	e of ACM	: Sprayed-on Pipe Insulat Other (speci	ion Duct	Breechi	no V Tank	•
	. 3. AC	i Previous				iedBasis	S A_
			CM:	. /			
			High Mode	erate 🗸 Low	√ Non-fr	iable	
	6. Cor	dition: Water Da Physical	amage High_ Damage High_	Moderate Moderate	Low_	None None	
		Addition	nal Comments (pi	rovide descri	iption) <u>M</u> a	aterial is be	gining_
		to co	me loose.	from boi	ler. breec	h	
	7. Aba	tement/Re	emediation Hetho	od (Response	Action)		
	Ren Ope	oval ration ar	Enclosure 8 nd Maintenance (Encapsulation Only <u>/</u>	1		
	8. Dat	e for Imp	olementation	Continu	<u>e</u>		
	9. Rat	ionale fo	or Abatement/Ren	nediation Met	:hod (Respon	se Action) sele	cted:
	<u></u>	trea :	is not	occupied	and	building is	s only

used for storage purposes. Refer to March 1990

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Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

BTATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

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TOMPRESION HAME		FACILITY HAVE AND ADDRE	\$ 5			20+3
New M	ilford	Maintenance	Building	Bridge	Street	10/8/92
	<u>General Instr</u>			-		
	well as the n	he name of the scho ame and address of e is submitted.				
	be provided f	a containing more to or each material. ed in the upper rig	Please number	the pages		
		•				
	1. Asbestos	Containing Area:	Basement	- throug	hout	
	2. Type of A	CM: Sprayed-on_ Pipe Insulation Other (specify	Troweled-on on: V Duct Duct	Breeching Hing Cer	Lagging J Tank nent	
	. 3. ACH Previo	ously Identified _	ACM New1	y Identifia	ed Basis S	A_ _
	4. Amount of	ACH:	50 Lin fl.	_k\/kt.		
	5. Friability	y: High Moder	ate Low_	Non-fria	able	
	6. Condition Water Physic	Damage High Damage High	Moderate Moderate	Low_ I	done None	
	Addit	ional Comments (pro	vide descript	ion) 5 el	bows are a	deteriorated
	_an	d have cover	s which	are not	intact.	
				,		
	Removal	/Remediation Method _ Enclosure Er and Maintenance Or	capsulation	tion) —		
	8. Date for 1	Implementation	Continue			
	9. Rationale	for Abatement/Reme	diation Hetho	d (Response	Action) selec	ted:
	Area	is not occ	ppied and	bu; 16;	ng is only	y .
		for Storage				
	AMP.					
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ARRUAL ASBESTOS MANAGEMENT : PLAN UPDATE ED076A Schedule A, Asbestos Material Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

		•	P.O. BO	X 2219, Harriord, C	T 06145	3 of 3
TOMPREDION KA	_		FACILITY NAME AND ADDRESS			DATE OF AND UPDATE
New M				<u>Building,</u>	Bridge Street	10/8/92
	<u>Ge</u>	<u>neral Instru</u>	ctions			
	we th	ll as the na	e name of the schoome and address of t is submitted.	ol district wh the facility.	ere the facility is loc Also indicate the date	ated as on which
	be be	provided fo	containing more th r each material. F d in the upper righ	lease number	f ACH, a separate Sched the pages of each Sched	ule A must ule A
	1.	.Asbestos C	ontaining.Area:	second Flo	or - Room above 1	oading dock.
	2.	Type of AC	M: Sprayed-on Pipe Insulation Other (specify)	Troweled-on_ DuctFloor_	Breeching Tank Tile	•
	. 3.	ACH Previo	usly Identified	ACH Newly	Identified Basis	S A_
	4.	Amount of	ACM:	150	_sq. ft.	
	5.	Friability	: High Modera	teLow	Non-friable	
	6.	Condition: Water Physica	Damage High al Damage High	.Moderate Moderate	LowNone	
		Additio	onal Comments (prov	ide descripti	on)	
						
	7.	Removal	Remediation Kethod Enclosure Enc and Maintenance Onl	apsula±ion	ion)	
	8.	Date for In	nplementation	0/8/92		
	9.	Rationale f	for Abatement/Remed	iation Method	(Response Action) sele	cted:
		Refe	r to Marc	h 1990	AMP.	
		<u> </u>				
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ANNUAL ASBESTOS MANAGEMENT
1. PLAN UPDATE
ED076A
Schedule A. Asbestos Material Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 06145

1 OF 1

				1071	
DWIP BE CHOIL	KYME	FACILITY HAL	E AND ADDRESS	DATE OF AMP UPDATE	
New_	Milford	Lillis	Administration Building, SO EAST Street	10/8/92	
	General Instr	uctions			

Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted.

In an area containing more than one type of ACH, a separate Schedule Λ must be provided for each material. Please number the pages of each Schedule Λ being submitted in the upper right hand corner.

1.	. Asbestos Containing Area: Through out Building
2.	Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify) Floor Tile
3.	ACM Previously Identified ACM Newly Identified Basis S A
4.	Amount of ACM: 5,800 sq. ft.
5.	Friability: High Moderate Low Non-friable
6.	Condition: Water Damage High Moderate Low None Physical Damage High Moderate Low None Additional Comments (provide description)
7.	Abatement/Remediation Hethod (Response Action)
	RemovalEnclosure Encapsulation Operation and Maintenance Only
8.	Date for Implementation Continue
9.	Rationale for Abatement/Remediation Method (Response Action) selected:
	Refer to March 1990 AMP
	:
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ANNUAL ASBESTOS MANAGEMENT PLAN UPDATE ED076A Schedule A. Asbestos Material Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

General Instructions Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted. In an area containing more than one type of ACH, a separate Schedule A mus be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner. 1. Asbestos Containing Area: Ground Floor - Boiler Room 2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify) Caulking Material 3. ACH Previously Identified ACH Newly Identified Basis S AV 4. Amount of ACM: 300 sq. ft. 5. Friability: High Hoderate Low Non-friable 6. Condition: Water Damage High Hoderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only		•		P.O. BOX 2219, I	ianiord, CT (06145		1 of
Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted. In an area containing more than one type of ACH, a separate Schedule A mus be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner. 1. Asbestos Containing Area: Ground Floor - Boiler Room 2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Out Breeching Tank Other (specify) Caulking Tank Other (specify) Caulking Tank Other (specify) Caulking Tank Other (specify) ACH Newly Identified Basis S Av ACH Previously Identified ACH Newly Identified Basis S Av								MP UPDAT
Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted. In an area containing more than one type of ACH, a separate Schedule A mus be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner. 1. Asbestos Containing Area: Ground Floor - Boiler Room 2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Dut Breeching Tank Other (specify) Caulking Material 3. ACH Previously Identified ACH Newly Identified Basis S AV 4. Amount of ACH: 300 sq. ft. 5. Friability: High Hoderate Low Non-friable 6. Condition: Water Damage High Hoderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only 100 sq. ft. 8. Date for Implementation Continue				School,	Hipp	Road .	10/8	3/92
well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted. In an area containing more than one type of ACH, a separate Schedule A mus be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner. 1. Asbestos Containing Area: Ground Floor - Boiler Room 2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct Breeching Tank Other (specify) Caulking Material 3. ACH Previously Identified ACH Newly Identified Basis S Av. 4. Amount of ACH: 300 sq. ft. 5. Friability: High Moderate Low Non-friable 6. Condition:	<u>Ger</u>	neral Instru	<u>ictions</u>					
be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner. 1. Asbestos Containing Area: Ground Floor - Boiler Room 2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify) Caulking Material 3. ACH Previously Identified ACH Newly Identified Basis S AV 4. Amount of ACH: 300 sq. ft. 5. Friability: High Hoderate Low Non-friable 6. Condition: Water Damage High Hoderate Low None Physical Damage High Moderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only 100 Sq. ft. 8. Date for Implementation Continue		ll as the na	ime and addres	s of the fac				ì
2. Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct Breeching Tank Other (specify) Caulking Material ACM Newly Identified Basis S A 4. Amount of ACM: Sq. ft. 5. Friability: High Hoderate Low Non-friable 6. Condition: Water Damage		provided fo	or each materi	al. Please	number th			;t
3. ACM Previously Identified ACM Newly Identified Basis S A 4. Amount of ACM: 300 sq. ft. 5. Friability: High Hoderate Low None-friable 6. Condition: Water Damage High Hoderate Low None Physical Damage High Hoderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action)	1,.	. Asbestos C	Containing Are	a: <u>Ground</u>	Floor	- Boiler Roo	m	_
4. Amount of ACM: 300 sq. ft. 5. Friability: High	2.	Type of AC	CH: Sprayed-c Pipe Insu Other (sp	onTrowe llation:E pecify)Ca	led-on_ uct .ulking	Boiler Lagging Breeching / Tan Material	J ık	
5. Friability: High Moderate Low Non-friable 6. Condition: Water Damage High Moderate Low None							Basts S A <u>~</u>	
6. Condition: Water Damage High Hoderate Low None Physical Damage High Hoderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only 8. Date for Implementation Continue	4.	Amount of	ACH:	30	<u> </u>	sq. ft.		
Water Damage High Hoderate Low None Physical Damage High Hoderate Low None Additional Comments (provide description) 7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only 8. Date for Implementation Continue	5.	Friability	: High	Moderate 🗸	Low	Non-friable	•	
7. Abatement/Remediation Hethod (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only 8. Date for Implementation Continue	6.	Water	Damage Hi	gh Moder gh Moder	ate [ate [_owNone		
Removal Enclosure Encapsulation Operation and Maintenance Only 8. Date for Implementation Continue		Additi	onal Comments	(provide de	scription	1)		
Removal Enclosure Encapsulation Operation and Maintenance Only 8. Date for Implementation Continue	•				,			
	7.	Removal	Enclosure	_ Encapsu]a	nse Actio t ion	on)		
	8.	Date for I	mplementation	Contin	ve			
Rationale for Abatement/Remediation Method (Response Action) selected:	9.	Rationale	for Abatement	/Remediation	Method ((Response Action)	selected:	
Refer to March 1990 AMP.		Rel	fer to	March 1	990 6	AMP.		
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ANNUAL ASBESTOS HANAGEMENT : PLAN UPDATE ED076A Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

•	P.O. BOX 2219, Hardord, CT 06145	2 of 2
New Milford	Northville School, Hipp Road	DATE OF AMP UPDATE
General Inst		
well as the	the name of the school district where the facil name and address of the facility. Also indicat te is submitted.	
be provided	ea containing more than one type of ACH, a sepa for each material. Please number the pages of ted in the upper right hand corner.	rate Schedule A must each Schedule A
l. Asbestos	Containing Area: Throughout Building	
2. Type of ,	ACH: Sprayed-on Troweled-on Boiler La Pipe Insulation Duct Breeching Other (specify)Floor_tile_	gging Tank
3. ACH Prev	iously Identified <u> </u>	Basis S A
4. Amount o	f ACM: 10,000 sq. ft.	
5. Friabili	ty: High Moderate Low Non-friable	<u> </u>
6. Condition Water Phys	n: r Damage High Moderate Low None ical Damage High Moderate Low None	<u>~</u>
Addi	tional Comments (provide description)	
*****	·	
Removal	t/Remediation Method (Response Action)EnclosureEncapsulation and Maintenance Only	
8. Date for	Implementation Continue	
9. Rationale	e for Abatement/Remediation Hethod (Response Ac	tion) selected:
Re	efer to March 1990 AMP.	
WARREN		

ANNUAL ASBESTOS MANAGEMENT : PLAN UPDATE ED076A Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 06145

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DWINEBIOH HAME	FACETY HALLE AND ADDRESS		11. 0. 1	DATE OF AMPUPDATE
New Miltord	Schaghticoke	Middle School,	Hipp Road	10/8/92
General In:	structions			

Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted.

In an area containing more than one type of ACH, a separate Schedule A must be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner.

1.	. Asbestos Containing Area: Building Exterior
2.	Type of ACH: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify)Soffit_materialS
3.	ACM Previously Identified ACM Newly Identified Basis S A
4.	Amount of ACH: 1,200 sq. ft.
5.	Friability: High Moderate Low Non-friable
6.	Condition: Water Damage High Hoderate Low None Physical Damage High Moderate Low None
	Additional Comments (provide description)
7.	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only
8.	Date for Implementation Continue
9.	Rationale for Abatement/Remediation Method (Response Action) selected:
	Three (3) panels are damaged across from field
	hockey field. These panels should be removed.
	Refer to March 1990 AMP.
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Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

•	•		OX 2219, Hartford			2 2 1
TOMPRESION HAME		FACETTY HAME AND ADDRES	5			DATE OF AMPUPDATE
New Milfor	-9	Schaghticoke	Middle	School,	Hipp Road	10/8/92
Ge	neral Instru	ctions				
we th	ll as the na	e name of the scho me and address of is submitted.	ol district the facilit	where the	facility is locandicate the date	ated as on which
be be	provided fo	containing more to each material. d in the upper rig	Please numb	er the pag	a separate Schedi es of each Schedi	lle A must lle A
1.	.Asbestos C	ontaining Area:	BoilerRoo	m		
2.	Type of AC	M: Sprayed-on_ Pipe Insulatio Other (specify	Troweled- n:Duct_)	on Boi Breech	ler Lagging ing ✓ Tank	•
3.	ACH Previo	usly Identified	ACM Ne	wly Identi	fiedBasis S	5 <u>√</u> A
4.	Amount of	ACM:	200	sq. ft	•	
5.	Friability	: High Moder	ate Low	Non-f	riable	
6.	Water	Damage High al Damage High	_Moderate_ Moderate_	Low_	None None	
	Additi	onal Comments (pro	vide descri	ption) Th	cere is evida	ence of
	Cont	ad domage o	ind crac	king, t	his can be	attributed
	to y	recent root	removal	and re	placement over	- boiler Room.
7.	Removal	Remediation Hethod Enclosure En and Maintenance On	capsulation	Action) ——		
8.	Date for I	mplementation	Continu)e		
9.	Rationale	for Abatement/Reme	diation Het	hod (Respo	nse Action) selec	ted:
	These	areas sho	uld be 1	watched	for increas	ed
	dama	ge. At preser	+ cond	dion do	esn't warra	<u>~+~</u>
•	any.	further respon	nse act	ion. R	efer to Mar	ch
	1990	AMP.				

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 06145

3 of 4

TOMPRESION NAME	FACRITY NAME AND ADDRESS	DATE OF ARP UPDATE
New Milford	Schaghticoke Middle School, Hipp Road	10/8/92
	11	

General Instructions

Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted.

In an area containing more than one type of ACH, a separate Schedule A must be provided for each material. Please number the pages of each Schedule A being submitted in the upper right hand corner.

۱.	. Asbestos Containing Area: Mechanical Rooms
2.	Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify)
3.	ACM Previously Identified ACM Newly Identified Basis S A
4.	Amount of ACM: 19 sq. ft.
5.	Friability: High Moderate Low Non-friable
6.	Condition: Water Damage High Moderate Low None Physical Damage High Moderate Low None
	Additional Comments (provide description)
7.	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only
8.	Date for Implementation Continue
9.	Rationale for Abatement/Remediation Method (Response Action) selected:
	Refer to March 1990 AMP.
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ANNUAL ASBESTOS MANAGEMENT : PLAN UPDATE ED076A Schedule A. Asbestos Material Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 05145

4044

TOMPREGION HAME	FACRITY NAME AND ADDRESS	DATE OF AMP UPDATE
New Milford	Schaghticoke Middle School, Hipp Road	10/8/92
General	Instructions	

4010141 411351 40510113

Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted.

In an area containing more than one type of ACM, a separate Schedule Λ must be provided for each material. Please number the pages of each Schedule Λ being submitted in the upper right hand corner.

1.	. Asbestos Containing Area: Through-out School
2.	Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct: Breeching Tank Other (specify)FLOOR_Tile
3.	ACH Previously Identified ACM Newly Identified Basis S A
4.	Amount of ACM: 56, 250 sq. ft.
5.	Friability: High Moderate Low_ Non-friable_
6.	Water Damage High Moderate Low None Physical Damage High Moderate Low None
	Additional Comments (provide description) Many areas have
	been covered with new 12x12 VCT or carpeting.
7.	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only
8.	Date for Implementation Continue
9.	Rationale for Abatement/Remediation Method (Response Action) selected:
	Refer to March 1990 AMP.
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ANNUAL ASBESIUS MANAGEMENTS
PLAN UPDATE
ED076B
Schedule B. Documentation of Asbestos
Removal

Section 10-292a-7, Regulations of Connecticut State Agencies

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 05145

	F.O. DON EE	14, (IBIDOLO, OT 00145	
New Milford	FACRITY NAME AND ADDRESS Schaghticoke	Middle School, Hipp Road	DATE OF AMPUPDATE
General	Instructions		

Provide the name of the school district where the facility is located as well as the name and address of the facility. Also indicate the date on which the AMP Update is submitted.
Please number the pages of each Schedule B being submitted in the upper right hand corner.
1. Asbestos Containing Area Throughout School
Type AC Pipe Littings Type Transite Panels Type AC Floor tile *** Amount 14 previorly removed pieces. Type AC Floor tile *** Amount 100 59. ft. Type Boxes of VAT Amount 4 boxes Type Mastic Amount 1, 440 59. ft. Type Amount 1, 440 59. ft.
3. Name and Address of Abatement Contractor National Abatement Services, Inc. 150 Recreation Pack Drive Hingham, MA 02043
4. Name and Address of School District Project Coordinator Dr. Stephen C. Tracy - Superintendent 50 East Street New Milford, CT 06776
5. Name and Address of Air Sampling Professional Enviro Science Consultants, Inc. 252 Hartford Avenue Newington, CT 06111
6. Air Sampling Clearance Results Attached No Clearance Air Samples Collected
7. Date of Project Start September 1, 1992 8. Date of Project Completion September 3, 1992
8. Date of Project Completion September 3, 1992

ASBESTOS ABATEMENT PROJECT MONITORING REPORT

SCHAGHTICOKE MIDDLE SCHOOL HIP ROAD NEW MILFORD, CONNECTICUT

INTRODUCTION:

EnviroScience Consultants, Inc., (ESC), was retained to provide asbestos abatement project monitoring services at the Schaghticoke Middle School. Asbestos abatement was necessary due to renovations associated with the code violation and energy conservation.

The project required ESC and National Abatement Services to provide abatement and monitoring services on an as-needed basis. As demolition progressed through the building, any asbestos-containing material (ACM) discovered was promptly addressed to expedite the renovation process. The bulk of work consisted of vinyl-asbestos floor tile (VAT) removal necessitated by the General Contractor's construction needs.

In addition to air sampling, ESC's Environmental Consultant, Alaine Lagasse, performed job site inspections. Prior to the beginning of removal activities, a precommencement inspection was conducted. This was to document that work area preparations were performed in accordance with the written technical specifications. During removal activities, progress inspections were conducted inside the work area to assess work progress and work procedures for adherence to contract specifications. Presealant inspections were also conducted to verify that the work area met the non-visible dust criteria prior to conducting final air clearance. A post-teardown inspection was also performed to ensure that all ACM was removed.

SCOPE OF WORK:

The scope of the abatement work included the removal and disposal of the ACM listed for each of the following locations:

LOC.	ATION	ACM REMOVED						
1.	Kitchen	Approximately 100 sq. ft. of VAT and associated mastic						
2.	Boxed VAT	Three boxes of VAT						
3.	Transite Boards	Fourteen pieces of previously removed and wrapped						

DISCUSSION:

The asbestos abatement project in the kitchen of the Schaghticoke Middle School consisted of the complete removal of approximately 100 square feet of vinyl asbestos floor tile and associated mastic which had water damage from the summer construction project. Additional removal consisted of 4 boxes of floor tile which was previously damaged and subsequently collected for disposal as well as 14 pieces of transite board.

CONCLUSION:

All work areas passed presealant visual inspections prior to work area encapsulation by the contractor. Following encapsulation, aggressive final air clearance sampling was conducted in accordance with the requirements of the State of Connecticut Department of Health Services air clearance criteria.

All work was performed within the allotted time frame. There were no delays caused by, or incurred by, the asbestos abatement contractor.

Phase Contrast Microscopy (PCM) air samples were analyzed by a trained project monitor listed on the Asbestos Analyst's Registry maintained by the American Industrial Hygiene Association.

Report prepared by:

Environmental Consultant

Reviewed

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91-0126L:PC9

Page	of	:

DATE:	9/3/92	. 42 0 5325			# 91-012(1)
TECHNICIAN:		·LASASOS	1.10 .	AAR #:	<u>, 4804 </u>
BUILDING:	Jcha	ighticoke. Mic	Aclle		
AREA:	Kitcher	7	-		•
INSPECTIONS	* (PC, F	R, PS, TD)	WORK	AREA .,	TIME
1.	71)	Kito	hen	1300 .
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4.		•		•	
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ŚAMPLI	<u>3 #</u>	<u>LOCATION</u> **	<u>ACTI</u>	VITY***	RESULTS (f/cc)
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2.	-01	Inside Kitch		FAC	0.005 Hoc
3.	-02	*		15AC	20.005
	-03			FAC.	20.005
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5.	-05		•	777	
6.		V		FAC	0.005
7.	•		<u></u>		
8.					
9.					
10					
		PC = Pre-comme TD = Teardown	encement	; PR = Pro	ogress;
**Location Outside Cr		AE = Negative arrier	Air Exh	aust; DECC	ON; OCB =
***Activit	y Key: oval; FC	PA = Pre-abate = Final Clear	ement; S ning; FA	U = Prep S C = Final	Setup; DR = Air Clearance

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ANNUAL ASBESTOS MANAGEMENT

PLAN UPDATE

ED076A
Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

•	•	SCHOOL FACILITIES UNIT P.O. BOX 2219, Hardord, CT 0514	
OMPREBION HAVE		FACILITY NAME AND ADDRESS	DATE OF AMP UPDATE
New Milfo	ord	Petlibone Elementary School,	2 Picet District Rd. 10/8/92
	Provid well as th	tructions the name of the school district where to name and address of the facility. Also late is submitted.	the facility is located as o indicate the date on which
	be provide	rea containing more than one type of ACH I for each material. Please number the p tted in the upper right hand corner.	f, a separate Schedule A must pages of each Schedule A
	1. Asbest	s Containing Area: Through out	School
	2. Type o	ACM: Sprayed-on Troweled-on Bree Other (specify) FLOOR T	Boiler LaggingechingTank
	. 3. ACH Pr	viously Identified ACM Newly Iden	ntified Basis S A_
	4. Amount	of ACM: 46, 970 sq.	ft.
	5. Friabi	ity: High Moderate Low Mor	n-friable
	6. Condit Wa Ph	on: er Damage High Moderate Low_ sical Damage High Moderate Low_	None
		itional Comments (provide description)_	
		moved to accomodate new po	,
	S	immer renovation work the ren	painter has been covered with v
	Remova	nt/Remediation Method (Response Action)EnclosureEncapsulation on and Maintenance Only	
	8. Date f	r Implementation Continue.	
	9. Ration	le for Abatement/Remediation Method (Res	ponse Action) selected:
	F	efer to April 1990 AMP.	
	•		
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;‡			•

ANNUAL ASBESTUS MANAGEMENT PLAM UPDATE

ED076B

Schedule B. Documentation of Asbestos Removal

Section: 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

				P.O. BOX 2	219, Hartford, CT 061	145		اه ا
OWNINE BION NAME			FACRITY NAME AN					DATE OF AMP UP
New Milford		eral Instr	1 <u>Pettibone</u>	Eleme	ntary School	, Z Picett Dist	rict Rd.	10/8/92
	uen		•					
	wel the	1 as the n	the name of the name and addre ne is submitte	ss of the	district where facility. Al	the facility so indicate th	is loca e date	ted as on which
	rig	Please nu ht hand co	mber the page rner.	s of each	schedule B be	ing submitted	in the	upper
	١.	Asbestos	Containing Ar	ea_Thr	oughout S	chool		
	2.	Material(5)					
		Type AC Type Tro Type AC	pe Insulation Pire fillings maste Panel FLOORTILE Mastic	(<u>va</u>)	Amount 12 Amount 3,4	20 Lin. ft. 3 a fillings 4 4 sa. ft. 500 sq. ft. 500 sq. ft.		
	3.		Address of Ab		Contractor A Service	s, Inc.		
					irk Drive			
		<u></u>	ngham,	<u> </u>	02043			
	4.				rict Project C			
					acy - Sug			
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	5.				g Professional			
		Env	<u>iro Science</u>	<u>e Con</u>	sultants, 1	nc·		
		252	110015	٠.٨ لـ.				

6. Air Sampling Clearance Results Attached_ No Clearance Air Samples Collected

0611

Date of Project Start

Date of Project Completion August 17, 1992

ASBESTOS ABATEMENT PROJECT MONITORING

Pettibone Elementary School 2 Pickett District Road New Milford, Connecticut

INTRODUCTION:

EnviroScience Consultants, Inc. (ESC) was retained to provide asbestos abatement project monitoring services at the Pettibone Elementary School. Asbestos abatement was necessary due to code update renovation.

Project specifications and bid documents were prepared by EnviroScience Consultants, Inc. The Construction Management Team was O & G Industries of Torrington, CT. The asbestos abatement contractor was National Abatement Service of Massachusetts.

Prior to the commencement of abatement activities, preabatement air samples were collected by ESC. Preabatement samples establish the ambient, or existing, airborne fiber concentrations prior to the start of any abatement actions. Upon commencement of abatement activities, background air samples were collected. These background samples were collected at various locations such as the entrance to the worker decontamination facility, outside critical barriers, and at the negative air exhaust. These samples were collected and analyzed in order to monitor the air quality outside the containment during the abatement process. Comparisons were then made between preabatement samples and background samples. This was done in order to assess the air quality at the work site during the abatement project. Following the completion of final cleaning and encapsulation of the work area, aggressive final air clearance sampling was performed inside the work area to comply with state and federal regulatory requirements.

In addition to air sampling, ESC's Environmental Consultants Stephen Kole, James Gallagher, Jason Krantz and Robert Quinn performed job site inspections. Prior to the beginning of removal activities, a precommencement inspection was conducted. This was to document that work area preparations were performed in accordance with the written technical specifications. During removal activities, progress inspections were conducted inside the work area to assess work progress and work procedures for adherence to contract specifications. Presealant inspections were also conducted to verify that the work area met the non-visible dust criteria prior to conducting final air clearance. A post-teardown inspection was also performed to ensure that all ACM was removed.

Page 2

SCOPE OF WORK:

The scope of the abatement work included the removal and disposal of the ACM listed for each of the following locations:

Drawing #AR-2

A. Work Area #2

Work included the complete removal and disposal of all VAT and associated mastic from the existing library area. Also included was the removal and disposal of all affected carpeting as construction debris. Eight (8) sections of millwork were relocted to the outside of work area #15 for removal of transite backing. This included but was not limited to the following estimated quantities:

- 1. Vinyl asbestos tile and associated mastic......1,800 square feet
- 3. Transite millwork backing...... 144 square feet

B. Work Area #3

Work included the complete removal and disposal of all VAT and associated mastic in the existing kitchen/storage area to the new serving line area wall. Also included was a portion of the north wing corridor to accommodate door replacement. Transite wall panels at west wall of kitchen were removed. Following removal, one-half inch (1/2") plywood was secured in place with wood screws. Weatherproofing, as required, was provided to protect kitchen floor. This included but was not limited to the following estimated quantities:

- 1. Vinyl asbestos tile and associated mastic.....1,700 square feet
- 2. Double-sided transite wall panels...... 120 square feet

C. Work Area #4

Work included the complete removal and disposal of all transite wall panels in the auditorium/gymnasium area. Following removal, one-half inch (1/2") plywood was secured in place with wood screws. Weatherproofing, as required, was provided to protect gymnasium floor. This included but was not limited to the following quantities:

- 1. Transite wall panels...... 480 square feet
- D. Pipe Tunnels East and West Wings

Work included complete removal and disposal of all thermal system insulation from the East and West pipe tunnels. This included but was not limited to the following estimated quantities:

- 1. Asbestos-containing pipe insulation...... 1,500 linear feet
- 2. Asbestos-containing mud pack fittings...... 130 fittings
- Fiberglass pipe insulation........... unknown

Page 3

DISCUSSION:

Due to major renovations taking place at the Pettibone Elementary School, the project called for continuous coordination between EnviroScience Consultants, Inc., National Abatement, and O & G Industries. The three parties consistently stayed in contact and were able to expedite the schedule regardless of changes in priority areas as work progressed. With several trades present at all times throughout the building, elevated dust levels were recorded at times. However, these levels were consistent with preabatement levels.

All exterior gymnasium transite panels were removed in a cordoned-off area under wet removal techniques with minimum breakage and were bagged directly.

CONCLUSION:

All work areas passed presealant visual inspections prior to work area encapsulation by the contractor. Following encapsulation, aggressive final air clearance sampling was conducted in accordance with the requirements of the State of Connecticut Department of Health Services air clearance criteria.

All work was performed within the allotted time frame. There were no delays caused by, or incurred by, the asbestos abatement contractor.

Phase Contrast Microscopy (PCM) air samples were analyzed by a trained project monitor listed on the Asbestos Analyst's Registry maintained by the American Industrial Hygiene Association.

Transmission Electron Microscopy (TEM) analyses were performed by Electron Microscopy Services Laboratories, Inc., a Connecticut-certified laboratory. Laboratory results are attached.

Report prepared by:

Alaine Lagasse Environmental Consultant Raymond R. Folino

Reviewed h

Project Manager

910126D:PC6

Page	of	:
		_

DATE: 1-20-0		ESC PROJ	# 91-0126 B
TECHNICIAN: Jay			
	bone Elementar		76
AREA: VOTE AFE	A H14, VAT i	n hallway outsid	10 /m 30
INSPECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1.			
2.			
3.		•	-
4.			
5.			
•			
SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 7-20-1/t-1	Blank		
2. 7-20-JK-2	Blank		
3. 7.20-JH-3	Inside cont.	FAC	.0009
4.	11 11	16.	.0009
5.		• (.0003
6. (1 (1)	11 11	V (.0011
7.	VI ti	1.1	+0009
8.			
9.			· · · · · · · · · · · · · · · · · · ·
10.			,
*Inspection Key: PS = Pre-sealant;		cement; PR = Pro	ogress;
**Location Key: Outside Critical		ir Exhaust; DECC	ON; OCB =
***Activity Key: During Removal; E	PA = Pre-abatemerC = Final Cleaning	ent; SU = Prep S ng; FAC = Final	Setup; DR = Air Clearance

DATE: 7-17-	92	ESC PROJ	# 91-0126 C
TECHNICIAN:	J. GA//AG4 EN	<u>AAR #</u> :	1936
BUILDING:	PETTIBONE	•	
AREA:		_	
INSPECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1.			•
2			
3		•	
4.			•
5			
SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 7-17-J6-11	W.A. AS HVAC	FAC	0.0044
2. 4 -12	1		0.0031
313			60.0029
414			< 0.0029
515			0.0037
616	BLANK		2 fib/100 flds
7. \ \ \ \ \ -17	BLANK		2 fib/100 flds
8.			
9.			
10.			
*Inspection Key: PS = Pre-sealant;	PC = Pre-commenc TD = Teardown	ement; PR = Pro	ogress;
**Location Key: Outside Critical	NAE = Negative Ai Barrier	r Exhaust; DECO	ON; OCB =
***Activity Key: During Removal; F	PA = Pre-abateme FC = Final Cleaning	ent; SU = Prep S ng; FAC = Final	Setup; DR = Air Clearance

DATE	: 7-17-92	•		# 91-0126 C
TECH	NICIAN: J	GALLAGHER	<u>AAR #</u> :	1980
BUIL	DING:	PETTIBONE	•	
AREA	: #5, q	48, #14N, #1L	15.	
INSP	ECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME .
1.	PC/PS		#14 "South"	0800/0900
2 •	PS		#14 "NORTH"	1400
3.	-			-
4.		•		
5.			-	
	SAMPLE #	LOCATION**	ACTIVITY * * *	RESULTS (f/cc)
1.	7-17-56-01	U.A. #5- SPEC 7'x	g' FAC	20.0024
2.	-02			60.0025
3.	-03			(0,0023
4.	-04		•	(0,0024
5.	-05			0.0032
6.	-06	N. A. # 14 ("560TH")		10.0039
7.	-07	1		50.0040
8.	-08			(0.0039
9.	-09			(0.0039
10.	· V -10			50.0040

*Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

**Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

***Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE	7-16-92		ESC PROJ	# 91-0126 C
	NICIAN:	GALLAGHER	<u>AAR #:</u>	1980
BUILI	DING:	PETT.		•
AREA:				
INSPI	ECTIONS* (PC.	PR, PS, TD)	WORK AREA	TIME
1.		•	,	
2				•
3.			•	
4.				
5.			•	
	SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1.	•	W.A.#7	FAC	0.0058
2.	1 -12			0.004)
3.	-13			0,0055
4.	-14			0.0063
5.	-15			0,0060
6.	-14	W.A. #5 - RM 02	FAC	0,0038
7.	-17			40.0035
8.	-18			0.0054
9.	-19			0.0045
10.	· V -20	$\overline{}$	V	60,0034
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^{*}Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

^{**}Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

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0.0054

0.0034

DAILY MONITORING DATA

DATE	: NICIA	7-10-92	GALLAGHER_		ESC PROJ AAR #:	# <u>91-0124C</u> 1980
	DING:		ETTIBONE	•	•	
AREA	: <u></u>	W.A. #	s 5,7,8,	9,10,14	<u> </u>	
INSP	ECTIC	NS* (PC,	PR, PS, TD)	WORK 2		TIME
1.		PC/PS		#5 (7'×9'	AREA IN SPEC	0900/1200
2 •		PC/PS		#5(3 trenc	his RM 62 - XTRA	0900/1100
3.		PC/PS		#8 (HVA		1300/1600
4.		PC		#14 (Fu	ther North)	1630
5.					•	
	SAM	PLE_#	LOCATION	** <u>ACTI</u>	<u> </u>	RESULTS (f/cc)
1.	7-16	-56-01	W.A. #9	F	A C	< 0,0032
2.	1	-02				40.0032
3.		-03				<0.0032
4.		-04		<u> </u>		60.0033
5.		-05	₩.		1	40.0032
6.		-06	W.A. # 10	<u></u> <u></u> <u></u> <u></u> <u></u>	AC	0.0044
7.		-07				0.0041

-08

-09

-10

8.

9.

^{*}Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

^{**}Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance



RON-MICROSCOPY SERVICE LABORATORIES INC.

Westmont NJ 609-858-4800 Piscataway, NJ 908-981-0550

Landover, MD 301-459-8776

Atlanta, GA Melbourne, FL 404-355-4046 407-725-5223

Ann Arbor, MI Lisle, IL 313-868-6610 708-241-1901

San Malso, CA 416-570-5401

Monday, July 20th, 1992

EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126C/PETTIBONE ELEMENTARY

AHERA SUMMARY REPORT

SAMPLE ID	VOLUME (liters)	ASBESTOS TYPE(\$)	#STRUC ASB N	OTURES IONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIM: (AS/min ²)
7-15-JG-01	1520.00	Chrysotile	1	0	0.0046	18.0	0.9046	72.0
7-15-JG-02	1560.00	Chrysotile	1	0	0.0050	20.3	0.0050	81.0
7-15-JG-03	1600.00	None Detected	0	0	< 0.0049	< 20.3	0.0049	81.0
7-15-JG-04	1560.00	None Detected	0	0	< 0.0044	< 18.0	0.0044	72.0
7-15-JG-05	1600.00	Chrysotile	1	0	0.0049	20.3	0.0049	81.0

Arithmetic mean AS/mm squared(12) ≤ 70 AS/mm squared the site PASSES

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Supervisor

Approved Signatory

Disclaimers: The laboratory is only responsible for fibers counted in fibers/mm squared and not in fibers/cc, which is dependent on volume collected by nonlaboratory personnel. The above test must not be used by the client to claim product endorsement by NVLAP not any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. This report may only be reproduced in full with written approval by EMSL.

* Accredited for PLM/TEM 1048



DN-MICROSCOPY SERVICE LABORATORIES INC.

Westmoot, N.I. 609-858-4800 Piscataway, NJ 908-981-0550

Landover, MD 301-459-8776

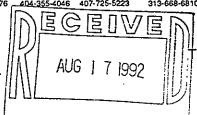
Atlanta, GA Melbourne, FL 407-725-5223 404-355-4046

Ann Arbor, MI 313-668-6810 708-241-1901

Liste, II.

San Mateo, CA 415-570-5401

EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111



Tuesday, August 4th, 1992

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126C/Pettibone School

AHERA TEM RESULTS

SAMPLE ID	" VOLUME (liters)	ASBESTOS TYPE(S)	#STRI	UCTURES NONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm ²)
7-27-JH-4	1600.00	None Detected	0	0	. < 0.0048	< 19.7	0.0048	79.0
7-27-JH-5	1560.00	None Detected	0	5	< 0.0049	< 19.7	0.0049	79.0
7-27-JH-6	1560.00	None Detected	0	6	< 0.0049	< 19.7	0.0049	79.0
7-27-JH-7	1600.00	None Detected	0	2	< 0.0048	< 19.7	0.0048	79.0
7-27-JH-8	1600.00	None Detected	0	1	< 0.0048	< 19.7 ·	0.0048	79.0

Arithmetic mean AS/mm squared(0) ≤ 70 AS/mm squared the site PASSES

NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Laboratory Supervisor Approved Signatory

Disclaimers: The laboratory is only responsible for fibers counted in fibers/mm squared and not in fibers/cc, which is dependent on volume collected by nonlaboratory personnel. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. This report may only be reproduced in full with written approval by EMSL.

* Accredited for PLM/TEM 1048

** This Sample has been selected for Quality Control.

ANNUAL ASBESTUS MANAGEMENT PLAH UPDATE ED076B Schedule B, Documentation of Asbestos Removal

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

BTATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

		P.O.	BOX 2219, Hartford, CT	06145	204
TOWNREGION NAME		FACELTY NAME AND ADDR	- -		DATE OF AMP UP
New Milfo			mentary School	, 2 Picet District Road	10/8/92
	well as the	the name of the sc		ere the facility is loc Also indicate the date	
	Please n right hand c		each Schedule B	being submitted in the	upper
	1. Asbestos	Containing Area	Through out	School	
	2. Material	(s)			•
	Type AC Type AC Type Tr	Pipe Insulation Pipe fitting S Ploor tile and Master ansite Panels	AmountAmount Amount Amount AmountAmount	1,500 Lin.fl. 55 fillings. 2,242 sq.fl. 1,260 sq.fl.	
	3. Name and	Address of Abatem		Inc.	
		55 Wilbur (erlin, CT 6		vay	
	Dr. 50	East St	. Tracy- S	ouper intendent	
·	N	ew Milford,	CT. 06776	•	
	_	Address of Air San	-		
			•		
1	6. Air Samp Attached	ling Clearance Resu	ults No Clearance Air	Samples Collected	**************************************
	7. Date of 1	Project Start	July 6, 199	2	

Date of Project Completion

ASBESTOS ABATEMENT PROJECT MONITORING

Pettibone Elementary School 2 Pickett District Road New Milford, Connecticut

INTRODUCTION:

EnviroScience Consultants, Inc., (ESC), was retained to provide asbestos abatement project monitoring services at the Pettibone Elementary School. Asbestos abatement was necessary due to code update renovations.

Project specifications and bid documents were prepared by EnviroScience Consultants, Inc. The Construction Management Team on site was O & G Industries of Torrington, Connecticut. The asbestos abatement contractor was Talco Asbestos Removal Inc., of Berlin, CT.

Prior to the commencement of abatement activities, preabatement air samples were collected by ESC. Preabatement samples establish the ambient, or existing, airborne fiber concentrations prior to the start of any abatement actions. Upon commencement of abatement activities, background air samples were collected. These background samples were collected at various locations such as the entrance to the worker decontamination facility, outside critical barriers, and at the negative air exhaust. These samples were collected and analyzed in order to monitor the air quality outside the containment during the abatement process. Comparisons were then made between preabatement samples and background samples. This was done in order to assess the air quality at the work site during the abatement project. Following the completion of final cleaning and encapsulation of the work area, aggressive final air clearance sampling was performed inside the work area to comply with state and federal regulatory requirements.

In addition to air sampling, ESC's Environmental Technicians James Gallagher, Robert Quinn and Jason Krantz performed job site inspections. Prior to the beginning of removal activities, a precommencement inspection was conducted. This was to document that work area preparations were performed in accordance with the written technical specifications. During removal activities, progress inspections were conducted inside the work area to assess work progress and work procedures for adherence to contract specifications. Presealant inspections were also conducted to verify that the work area met the non-visible dust criteria prior to conducting final air clearance. A post-teardown inspection was also performed to ensure that all ACM was removed.

Page 2

SCOPE OF WORK:

The scope of the abatement work included the removal and disposal of the ACM listed for each of the following locations:

LOCATION

ACM REMOVED

Drawing AR-1

Work Area #1

Work included the complete removal of all thermal system insulation from the north/northeast wing pipe tunnels. This included but was not limited to the following estimated quantities:

- Asbestos-containing pipe insulation 1,100 linear feet
- Asbestos-containing mud pack fittings
- 3. Fiberglass pipe insulation

Work Area #5

Work included the complete removal and disposal of all VAT and associated mastic necessary to install the new storage closet in classroom 08. Also, thirty-six (36) sections of millwork were relocated to outside work area #16 for removal of transite backing. Estimated quantities included but were not limited to the following:

- Vinyl asbestos tile and associated mastic .. 64 square feet
- Transite millwork backing 630 square feet

Work Area #6

Work included the complete removal and disposal of all VAT and associated mastic from classroom 47 and 48. Also included was the removal and disposal of the affected carpeting as construction debris. Also, thrity-six (36) sections of millwork were relocated to the outside of work area #15 for removal of transite backing. Estimated quantities included but were not limited to the following:

- Vinyl asbestos tile, associated mastic and affected carpet 1,472 square feet
- 2.

Work Area #7

Work included the complete removal and disposal of all VAT and associated mastic in the existing coach's office. This included but was not limited to the following estimated quantities:

1. Vinyl asbestos tile and associated mastic...... 140 square feet

Work Area #8

Work included the complete removal and disposal of all thermal system insulation associated with the air handling unit located in room 114. This included but was not limited to the following quantities:

1. Mud pack fittings..... 15 elbows

Work Area #9

Work included the complete removal and disposal of all VAT and associated mastic in the new handicap health care lavatory. This included but was not limited to the following estimated quantities:

1. Vinyl asbestos tile and associated mastic..... 209 square feet

Work Area #10

Work included the complete removal and disposal of all VAT and associated mastic required to provided trenching in the concrete slab in the custodian's storage and east wing corridor. This included but was not limited to the following estimated quantities:

1. Vinyl asbestos tile and associated mastic...... 60 square feet

Work Area #14

Work included the complete removal and disposal of all VAT and associated mastic necessary to accommodate new wall and door installation at the north end of the east wing corridor. This included but was not limited to the following estimated quantities:

1. Vinyl asbestos tile and associated mastic...... 300 square feet

Page 4

DISCUSSION:

Asbestos removal work at the Pettibone Elementary School, Talco Project proceeded at an unacceptable rate. During the course of the project the contractor's work crew was consistently undersized and unprepared. Delays were incurred by other trades on site due to Talco's overrun in the pipe tunnel area. A change order was awarded to Talco to remove additional ACM from the tunnel area. A one day extension of time was granted to Talco for this work. Correspondence attached to this report documents the problems incurred.

CONCLUSION:

All work areas passed presealant visual inspections prior to work area encapsulation by the contractor. Following encapsulation, aggressive final air clearance sampling was conducted in accordance with the requirements of the State of Connecticut Department of Health Services air clearance criteria.

Phase Contrast Microscopy (PCM) air samples were analyzed by a trained project monitor listed on the Asbestos Analyst's Registry maintained by the American Industrial Hygiene Association.

Transmission Electron Microscopy (TEM) analyses were performed by Electron Microscopy Services Laboratories, Inc., a Connecticut-certified laboratory. Laboratory results are attached.

Report prepared by:

Alaine V. Lagasse

Environmental Consultant

Reviewed by

Kaymond R. Folino

Project Manager

91-01261:PC6

DATE: TECHNIC	8592	n Ciado	ESC PROJ	1 # 91-0126 C	
BUILDIN	- 16a	ل	2.22.2.11, •		
AREA:	Office Co	Lerence Room			
INSPECT	· ·IONS* (PC	, PR, PS, TD)	WORK AREA	TIME	
1	D		office	-	
2		·			
3				*	
4.			_		
5					
S 2	MPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)	
	-05-JC-B1	C	Field Blank	3, 18 f/mm ^z	
2.	-0[Office Containment Hall Side right	FAC	Lo.005 flee	
3.	02	office Containment Hall Side, loft		Lo.005	
4	-03	office Containment		40.005	
5	-04	office containment office side, center		LO-005	
6	-05	office Containment office Side, left		40.005	
7	TEM	OFFICE/CONF.	FAC	SEE HARD COPY	100
8					
9			W		
10				And the fellows are a second as a second	•
		PC = Pre-commer TD = Teardown	ncement; PR = Pro	ogress;	
	ion Key: Critical		Air Exhaust; DECC	ON; OCB =	
***Acti	vitv Kev:	PA = Pre-abatem	ment: SN = Prep S	Setun: DR =	

***Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

Page	of	_

DATE: 7-7-92.		ESC PROJ	#91-0126C
TECHNICIAN:	GALLAGHER_	<u>AAR #:</u>	1980
BUILDING:	PETTIBONE	•	
AREA:			
INSPECTIONS* (PC,	PR. PS. TD)	WORK AREA	TIME
1.		energy (Fig.	N/K
2			
3.		•	
4.			. ,
.5.			• .
•			
SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 7000 34	Gym Risers fr: 7/2	FAC	20,0043
2. 7-7-56-02		<u> </u>	6.0042
3			6:0041
4			10.0045
505	<u> </u>		(0,0046
6. <u>V -06</u>	BLANK		1 4:6/100 flds
7.			
8.	* NOTE: THE	AIR SAMPLING	DATA SHEET DOES
9.		NY THIS REPORT	
10.		1	ADATEMENT CONTAINMENT.
*Inspection Key: PS = Pre-sealant;	- PLEASE SEE PC = Pre-commence	THAT BEPORT	IF NEEDED. H
**Location Key: N Outside Critical E		r Exhaust; DECO	N; OCB =

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

Page	0	f .

DATE: 7-3-92. TECHNICIAN: 5	KOLE , J. GALLAGHEN		# <u>91-0126</u> C
BUILDING:	PETTIBONE		
	TO KITCHEN, GENER	RAL AREAS SURV	EYED.
INSPECTIONS* (PC,	<i>.</i>	WORK AREA	TIME
1. <u>PS</u>		di to Kitchen, #3 a	at. 0900
2.			
3			•
4.			
5			
SÄMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 7-3-56-01	INSIDE-ADJ. TO KITCH,	FAC	0.0047
2	.)		<0.0045
3			0.0064
4			8,0041
505			0.0075
6	BLANK		2 fib/100 flds
7.			
8.			
9.			
10.			
*Inspection Key: PS = Pre-sealant;	PC = Pre-commenc TD = Teardown	ement; PR = Pro	gress;
**Location Key: Outside Critical	NAE = Negative Ai Barrier	r Exhaust; DECC	N; OCB =
***Activity Key: During Removal; F	PA = Pre-abateme C = Final Cleanin	nt; SU = Prep S g; FAC = Final	etup; DR = Air Clearance



1ICROSCOPY SERVICE LABORATORIES INC.

Westmont, NJ 609-858-4800 Piscataway, NJ 908-981-0550

Landover, MD 301-459-8776

Atlanta GA 404-355-4046 407-725-5223

Melbourna, FL

Ann Arbor, MI Liste, IL 313-668-6810 708-241-1901

San Mateo, CA 415-570-5401

Friday, July 3rd, 1992

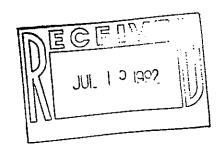
EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-01267/Pettibone Elementary

AHERA SUMMARY REPORT

SAMPLE ID	- VOLUME (liters)	ASBESTOS TYPE(S)		CTURES IONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm²)
#6(IWA)	1683.00	None Detected	0	0	< 0.0047	< 20.5	0.0047	81.8
#7(IWA)	1692.00	None Detected	0	0	< 0.0047	< 20.5	0.0047	81.8
#8(IWA)	1620.00	None Detected	0	1	< 0.0049	< 20.5	0.0049	81.8
#9(IWA)	1800.00	None Detected	0	0	< 0.0050	< 23.4	0.0050	93.5
#10(IWA)	1800.00	None Detected	0	0	< 0.0050	< 23.4	0.0050	93.5



NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Laboratory

Supervisor

Signatory

Disclaimers: The laboratory is only responsible for filters counted in fibers/mm squared and not in fibers/cc, which is dependent on volume collected by nonlaboratory personnel. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. This report may only be reproduced in full with written approval by EMSL.

* Accredited for PLM/TEM 1048



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Westmont, NJ 609-858-4800 Piscataway, NJ 908-981-0550

Landover, MD 301-459-8776 Atlanta, GA

Melbourne, FL

Ann Arbor, Mi 12.668.6R10

Lisia, R. 708-241-1901

San Mateo, CA 415-570-5401

EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

8 1992

Tuesday, July 14th, 1992

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126C/Pettibone

AHERA TEM RESULTS

SAMPLE ID	VOLUME (liters)	ASBESTOS TYPE(S)		CTURES NONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm²)
7-1-SK-01	2070.00	None Detected	0	0	< 0.0038	< 20.3	0.0038	81.0
7-1-SK-02	2160.00	None Detected	0	0	< 0.0036	< 20.3	0.0036	81.0
7-1-SK-03	1508.00	None Detected	0	1	< 0.0046	< 18.0	0.0046	72.0
7-1-SK-04	2070.00	None Detected	0	0	< 0.0038	< 20.3	0.0038	81.0
7-1-SK-05	2011.00	None Detected	0	0	< 0.0039	< 20.3	0.0039	81.0

Arithmetic mean AS/mm squared(0) ≤ 70 AS/mm squared the site PASSES

NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Supervisor

Approved

Signatory

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ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

Westmont, NJ 609-858-4800 Piscataway, NJ 908-981-0550 Landover, MD 301-459-8776 Atlanta, GA Ms 404-355-4046 407

Melbourne, FL 407-725-5223 Ann Arbor, MI Lisie, IL 313-668-6810 708-241-1901 San Mateo, CA 415-570-5401

Tuesday, July 14th, 1992

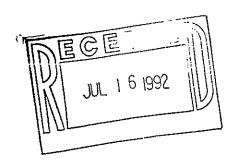
EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126C-Pettibone

AHERA TEM RESULTS

SAMPLE ID	. VOLUME (liters)	ASBESTOS TYPE(S)		UCTURES NONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm²)
7-2-SK-21	2529.00	None Detected	0	0	< 0.0031	< 20.3	0.0031	81.0
7-2-SK-22	2538.00	None Detected	0	0	< 0.0031	< 20.3	0.0031	81.0
7-2-SK-23	2363.00	Chrysotile	2	9	0.0066	40.5	0.0033	81.0
7-2-SK-24	2160.00	Chrysotile	2	7	0.0072	40.5	0.0036	81.0
7-2-SK-25	2178.00	None Detected	0	0	< 0.0036	< 20.3	0.0036	81.0



Arithmetic mean AS/mm squared(16) ≤ 70 AS/mm squared the site PASSES

NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Laboratory Supervisor Approved Signatory

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ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

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San Maleo, CA 415-570-5401

Friday, August 7th, 1992

EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (ITEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126C/Pettibone School, New Milford, CT

AHERA SUMMARY REPORT

SAMPLE ID	. VOLUME (liters)	ASBESTOS TYPE(S)		CTURES IONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm²)
08-05-JC-06	1280.00	None Detected	0	29	< 0.0047	< 15.6	0.0047	62.6
08-05-JC-07	1290.00	None Detected	0	8	< 0.0047	< 15.6	0.0047	62.6
J8-05-JC-08	1270.00	None Detected	0	3	< 0.0047	< 15.6	0.0047	62.6
08-05-JC-09	1270.00	Chrysotile Asbestos	6	65	0.0285	93.9	0.0047	62.6
08-05-JC-10	1263.36	Chrysotile Asbestos	3	23	0.0143	46.9	0.0048	62.6

Arithmetic mean AS/mm squared(28) ≤ 70 AS/mm squared the site PASSES

NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Laboratory Supervisor Approved Signatory

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Landover, MD 301-459-8776

Atlanta, GA 404-355-4046 407-725-5223

Melbourne, FL

Ann Arbor, MI Liste, IL 313-668-6810 708-241-1901

San Mateo, CA 415-570-5401

Monday, June 29th, 1992

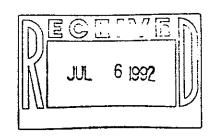
EnviroScience Consultants, Inc. 252 Hartford Avenue Newington, CT 06111

ASBESTOS FIBER ANALYSIS by TRANSMISSION ELECTRON MICROSCOPY (TEM) SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE X-RAY MICROANALYSIS (EDX) PERFORMED by EPA 40 CFR Part 763 Final Rule.

Project: 91-0126 L/Pettibone Elementary/New Milford

AHERA SUMMARY REPORT

SAMPLE ID	- VOLUME (liters)	ASBESTOS TYPE(S)		CTURES NONASB		TRATION OF STRUCTURES AS/mm²	ANALYTICAL SENSITIVITY (AS/cc)	CONFIDENCE LIMIT (AS/mm²)
6-26-SK-01	1619.80	None Detected	0	2	< 0.0043	< 18.2	0.0043	72.7
6-26-SK-02	1674.00	Actinolite	1	1	0.0042	18.2	0.0042	72.7
6-26-SK-03	ູ1620.00	None Detected	0	1	< 0.0049	< 20.5	0.0049	81.8
6-26-SK-04	1845.00	None Detected	0	3	< 0.0043	< 20.5	0.0043	81.8
06-26-SK-05	1674.00	None Detected	0	1	< 0.0047	< 20.5	0.0047	81.8



NA - Not Applicable

For none detected samples number under AS/cc is equal to the analytical sensitivity.

Peter Frasca, Ph.D

President

Supervisor

Approved Signatory

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ANNUAL ASBESTOS HANAGERENT?
- PLAN UPDATE
ED076A
Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 06145

	P.O. BOX 2219, Hanford, CT 06145	10f5
DANNEDION HAME	FACETTY HALLE AND ADDRESS	DATE OF AMP UPDATE
New Milfo	rd New Milford High School, 25 sunny Valley Resd	10/8/92
	General Instructions	•
	Provide the name of the school district where the facility is local well as the name and address of the facility. Also indicate the date of the AMP Update is submitted.	ted as on which
	In an area containing more than one type of ACM, a separate Schedu be provided for each material. Please number the pages of each Schedu being submitted in the upper right hand corner.	le A must le A
	1. Asbestos Containing Area: 1962 Pipe Tunnels	·
	2. Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct Breeching Tank Other (specify) Elbow / filting Cement	•
	3. ACH Previously Identified ACH Newly Identified Basis S	A
	4. Amount of ACM: 440 elbassequesta.	
	5. Friability: High Hoderate Low Non-friable	
	6. Condition: Water Damage High Moderate ✓ Low None Physical Damage High Moderate Low None	
	Additional Comments (provide description) 20 elbows have	
	and 20-30 are damaged by water leaks in	piping.
	Air Cell pipe insulation under Stage in auditorium ho	is faller to floor.
:	7. Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only	
-	8. Date for Implementation As Soon as feasable	
	9. Rationale for Abatement/Remediation Hethod (Response Action) select	ted:
	Areas are not accessible to students and r	
	Staff only enter tunnels periodically. These a	
	Should be accessed as little as possible.	
	are being considered for 1993-1994 budget, re	moval
<i>:</i>	of material will be done at this time.	
•	•	

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING

SCHOOL FACILITIES UNIT

2	of	=

			P.O. BOX 221	9, Hartford	, CT 06145	204
DHIT PRE BIC			FACEITY HAME AND ADDRESS			DATE OF AMPURE
New	Wilf	ord	New Milford High Sc	hool,	25 Sunny Valley Road	10/8/92
		General Instr	<u>uctions</u>		J	
		well as the na	he name of the school di ame and address of the f e is submitted.	istrict facility	where the facility is loc /. Also indicate the date	ated as on which
•		be provided for	a containing more than o or each material. Pleas ed in the upper right ha	se numbe	e of ACH, a separate Scheder the pages of each Schedner.	lule A must lule A
		1. Asbestos (Containing.Area: \Q	170	Pipe tunnels	
		2. Type of AG	CM: Sprayed-on Tro Pipe Insulation: Other (specify)	oweled-d _Duct_ سمط\ع	on Boiler Lagging Breeching Tank /filling Cement	•
		3. ACH Previo	ously Identified	ACM Nev	vly Identified Basis	S A
		4. Amount of	ACM:	126 elb	ous 26541.	
		5. Friability	/: High Moderate⊻	_ Low_	Non-friable	
	•		Damage High Mod al Damage High Mod	•	Low None None None	noted
		•	oring Inspection			
		Removal	Remediation Method (Res Enclosure Encapsu and Maintenance Only	lation	ction)	
		8. Date for I	mplementationCon	tinue		
		9. Rationale	for Abatement/Remediati	on Meth	od (Response Action) sele	cted:
		Res	fer to March 19	<u> 4 6 P</u>	MP.	
				 		
	•					
						:
•			•			

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 06145

	F.O. BOX 2219, Retition, C1 00145	3015
TOMOVERON HAME	FACILITY HAME AND ADDRESS	DATE OF AMP UPDATE
New Milford	New Milford High School, 25 Sunny Valley Road	10/8/92
	General Instructions	•
	Provide the name of the school district where the facility is loca well as the name and address of the facility. Also indicate the date the AMP Update is submitted.	ted as on which
	In an area containing more than one type of ACH, a separate Schedu be provided for each material. Please number the pages of each Schedu being submitted in the upper right hand corner.	le A must le A
	1. Asbestos Containing Area: 1970 Addition- Classroom area	LS (above ceiling)
	2. Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify) Elbow/filling Cement	
:	 ACH Previously Identified ACH Newly Identified Basis S 	A
•	4. Amount of ACH: 91 elbous 54.25t.	
;	5. Friability: High Hoderate Low Non-friable	
6	6. Condition: Water Damage High Moderate Low None Physical Damage High Moderate Low None	
•	Additional Comments (provide description) Some debis is	<u> </u>
	evident on ceiling tiles.	
•		
2	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only	
8	3. Date for Implementation Continue	
9	. Rationale for Abatement/Remediation Method (Response Action) selec	ted:
	Limit access, Refer to March 1990 AMP.	
•		
<i>;</i>		

ANNUAL ASBESTOS MANAGEMENT : PLAN UPDATE ED076A Schedule A. Asbestos Material Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 05145

4 of 5

		P.	O. BOX 2219, Hantord,	C1 06145	4
TOMUREBION HAME		FACILITY HALLE AND A			DATE OF AMP UPD
New Milfor	<u>.</u> Ł	New Milford	High School,	25 Sunny Valley Road	10/8/92
	General Ins		,	, ,	, .
	well as the	the name of the s name and address ate is submitted.	school district w of the facility.	where the facility is loc Also indicate the date	ated as on which
	be provided	rea containing mod for each materia tted in the upper	l. Please number	of ACM, a separate Sched the pages of each Sched er.	ule A must ule A
	1Asbesto	s Containing Area:	: Classroom 148	and Classroom 153	
	2. Type of	ACH: Sprayed-on Pipe Insula Other (spec	Troweled-on Ductify) Fune h	Boiler Lagging BreechingTank	٠
	3. ACH Pre	viously Identified	ACM New]	y Identified V Basis	S A_
	4. Amount	of ACM:	50 : 50	sq. ft.	
	5. Friabil	ity: High Mo	oderateLow	_ Non-friable_	
		er Damage High		LowNone	
	Add ⁻	itional Comments (provide descript	ion) An additional.	fune
	ط	odd was ide	Hitied dolin	g this inspection	in
•		lassroom 153			
	Removal_	nt/Remediation Met Enclosure on and Maintenance	Encapsulation	tion)	
	8. Date for	Implementation_	Continue		
	9. Rational	e for Abatement/F	Remediation Metho	d (Response Action) sele	cted:
	<u>R</u>	efer to Ma	rch 1990 A	MP.	•
	•				
·	***				
<i>;</i>			•		
					·

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 05145

5 of 5

	•		P.O. BOX 221	9, Hartford, CT 0	6145	5
OWINEBON NAME		FACILITY HAME	=			DATE OF AMP U
New Milford			Hord Hi	<u>gh School</u>	, 25 Sunny Välley I	Road 10/8/9
<u>ue</u>	neral Instr	·		•		
we th	11 as the n	he name of t ame and addr e is submitt	ess of the	istrict wher facility. A	e the facility is lso indicate the d	located as ate on which
	provided f	a containing or each mate ed in the up	rial. Plea	se number th	ACH, a separate Sc e pages of each Sc	hedule A must hedule A
1.	. Asbestos	Containing, A	rea: Thr	ough out	School	
2.	Type of A	CM: Sprayed Pipe In Other (-onTr sulation: specify)	oweled-on	Boiler Lagging_ reeching Tank_ \e	-
3.	ACH Previo	ously Identi	fied <u>√</u>	ACH Newly I	dentified Bas	is S A
4.	Amount of	ACM:	67, 2.	45s	q. ft.	
5.	Friability	/: High	Moderate_	Low	Non-friable	
6.	Condition: Water Physic	Damage :	HighMo High Mo	derate L derate L	owNone	
	Addit	Ional Commen	ts (provide	description)	

7.	Removal	Remediation Enclosure and Mainten	Encaps	sponse Actio ulation	n)	
8.	Date for 1	mplementati	on <u>Can-</u>	inuc		
9.	_				Response Action) s P.	
	•					
•						
<i>3</i>						<i>:</i>

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

•		P.O. BOX 2219, Hardord, CT 05145	lof
TOWN PROBATION HALLE			E OF AUP UPDATE
New Milfo	٠.٠٨		10/9/92
NEW I WHO		neral Instructions	-1970/-11
	wel	Provide the name of the school district where the facility is located ll as the name and address of the facility. Also indicate the date on the AMP Update is submitted.	
		In an area containing more than one type of ACH, a separate Schedule approvided for each material. Please number the pages of each Schedule ing submitted in the upper right hand corner.	
	١.	Asbestos Containing Area: Through out Building Exterior	· · · · · <u>·</u>
		Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct Breeching Tank Other (specify)Softit Panels	
	3.	ACH Previously Identified ACH Newly Identified Basis S	A
	4.	Amount of ACM: 4,400 sq. ft.	
	5.	Friability: High Moderate Low Non-friable	
	6.	Condition: Water Damage High Moderate Low None Physical Damage High Moderate Low None	
		Additional Comments (provide description) panel is warp due to water damage.	ed
	7.	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only	
	8.	Date for Implementation Continue	
	9.	Rationale for Abatement/Remediation Method (Response Action) selected	:
		Refer to April 1990 AMP.	•
			
<i>:</i>			
•			

ANNUAL ASBESTOS HANAGEHENT : PLAN UPDATE ED076A Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING

•	•	P.O. BOX 2219, Hardord, CT 06145	2 2
TOMPREDION HAVE		FACRITY NAME AND ADDRESS	DATE OF AMP UPDATE
New Mil	ford	Hill and Plain Elementary, 60 OLD TOWN Park Rd.	10/8/92
	well as the n the AMP Updat	he name of the school district where the facility is loca ame and address of the facility. Also indicate the date e is submitted.	on which
	be provided for being submitted	a containing more than one type of ACH, a separate Schedon each material. Please number the pages of each Schedon ed in the upper right hand corner. Containing Area: Pipe Lunnels	ule A must
	1. 'YZN62102	containing area: Pipe TONNEIS	
	2. Type of A	CM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation Duct Breeching Tank Other (specify)E\baw/fitting_Cement	•
		ously Identified ACM Newly Identified Basis :	S A
	4. Amount of	ACH: 300 elbows south.	
	5. Friability	y: High Moderate Low Non-friable	
	Addit	Damage High Moderate Low None None all Damage High Moderate Low None ional Comments (provide description) Three (3) elbows access to Lunnels, when frasable remove	~
	7. Abatement	/Remediation Hethod (Response Action)	•
	Removal	Enclosure Encapsulation and Maintenance Only	
	8. Date for 1	Implementation <u>Continue</u>	
	\wedge	for Abatement/Remediation Hethod (Response Action) selected to April 1990 AMP.	cted:
	•		
	•	•	.

ANNUAL ASBESTOS HANAGEHENT PLAN UPDATE ED076A Schedule A. Asbestos Haterial Summary

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

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		P.O. BOX 2219, Hartlord, CT 06145	3 of
CANTALE BION HYTE		FACILITY HAME AND ADDRESS	DATE OF AMP UPDATE
New Milfo	رط	Hill and Plain, 60 Old Town Park Road	10/8/92
	Gen	neral Instructions	
	wel the	Provide the name of the school district where the facility is locall as the name and address of the facility. Also indicate the date AMP Update is submitted. In an area containing more than one type of ACH, a separate Schedu	on which
	be bei	provided for each material. Please number the pages of each Scheduing submitted in the upper right hand corner.	le A must
	1.	. Asbestos Containing Area: Throughout Building.	
	2.	Type of ACM: Sprayed-on Troweled-on Boiler Lagging Pipe Insulation: Duct Breeching Tank Other (specify) Floor tile.	•
	3.	ACM Previously Identified ACM Newly Identified Basis S	A_
	4.	Amount of ACM: 33,445 sq. ft.	
		Friability: High Moderate Low Non-friable_	
	6.	Condition: Water Damage High Moderate Low None None Physical Damage High Moderate Low None	
		Additional Comments (provide description) Most aces h	
		been covered with new 12x12 VCT. Class	SSIGEM
•		9x9 VAT	
	7.	Abatement/Remediation Method (Response Action) Removal Enclosure Encapsulation Operation and Maintenance Only	
	8.	Date for Implementation Continue	
	9.	Rationale for Abatement/Remediation Method (Response Action) selection Refer to April 1990 AMP.	
		TO TO THE LITTER.	
			-
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			*
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ANNUAL ASBESIUS MANAGEMENT 1
PLAN UPDATE
ED076B
Schedule B. Documentation of Asbestos
Removal

Section 10-292a-7, Regulations, of Connecticut State Agencies
Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

Rev. 10/89	SCHOOL FACILITIES UNIT P.O. BOX 2219, Hartford, CT 05145				
TOWNING BION NAME		FACILITY NAME AND ADDRESS			DATE OF AMP UPDATE
New Milford	l	Hill and Plain E	lementary, 6	00 old Town Park Rd	1. 10/8/92
<u>Ger</u>	neral Instru	<u>ictions</u>	•		
	ll as the na			re the facility is lo Also indicate the dat	
riç	Please num thand cor		ch Schedule B l	being submitted in th	ne upper
1.	Asbestos (Containing Area	Through ou	+ Building.	·
2.	Material(s	;)			:
	Type AC f Type Tran Type	Pipe Fillings loortile and mostic usite Panels	Amount Amount Amount Amount Amount Amount Amount	70 elbows. 160 sq. ft. 144 sq. ft.	
3,	Name and A	ddress of Abatement	Contractor		
		ional Abatem Recreation P		ces, Inc.	<u>.</u>
	1	gham, MA			- -
4.	Name and A	ddress of School Di	strict Project	Coordinator	
	De.	STEPHEN C	TRACY - S	UPERINTEN DENT	_
	. 50	EAST STREET			
		MILFORD, CT.	0677 <i>6</i>		- -
5.	Name and A	ddress of Air Sampl	ing Professiona	al	
	Envir	Science Con:	sultants, 1	nc.	
			•		<u>-</u>
	Newin	igton, CT 061	77		<u>-</u>
6.	Air Sampli Attached	ng Clearance Result No		Samples Collected	· ·
7.	Date of Pr	oject Start	April 9.	1992	

Apr:1 16, 1992

B. Date of Project Completion_____

ASBESTOS ABATEMENT PROJECT MONITORING NEW MILFORD PUBLIC SCHOOLS HILL & PLAIN ELEMENTARY SCHOOL 60 OLD TOWN PARK ROAD NEW MILFORD CT 06776

INTRODUCTION:

EnviroScience Consultants, Inc., (ESC), was retained to provide asbestos abatement project monitoring services at the Hill and Plain Elementary School. Asbestos abatement was necessary due to renovation work in conjunction with renovations associated with the code violation and energy conservation projects.

Project specifications and bid documents were prepared by ESC. The Construction Management firm retained by the Town of New Milford was O & G Industries. The asbestos abatement contractor was National Abatement Services of Hingham, Massachusetts.

Prior to the commencement of abatement activities, preabatement air samples were collected by ESC. Preabatement samples establish the ambient, or existing, airborne fiber concentrations prior to the start of any abatement actions. Upon commencement of abatement activities, background air samples were collected. These background samples were collected at various locations such as the entrance to the worker decontamination facility, outside critical barriers, and at the negative air exhaust. These samples were collected and analyzed in order to monitor the air quality outside the containment during the abatement process. Comparisons were then made between preabatement samples and background samples. This was done in order to assess the air quality at the work site during the abatement project. Following the completion of final cleaning and encapsulation of the work area, aggressive final air clearance sampling was performed inside the work area to comply with state and federal regulatory requirements.

In addition to air sampling, ESC's Environmental Consultants James Gallagher, Ray Freuden and Peter Shannon performed job site inspections. Prior to the beginning of removal activities, a precommencement inspection was conducted. This was to document that work area preparations were performed in accordance with the written technical specifications. During removal activities, progress inspections were conducted inside the work area to assess work progress and work procedures for adherence to contract specifications. Presealant inspections were also conducted to verify that the work area met the non-visible dust criteria prior to conducting final air clearance. A post-teardown inspection was also performed to ensure that all ACM was removed.

Page 2

SCOPE OF WORK:

The scope of the abatement work included the removal and disposal of ACM as follows:

LOCATION	TYPE OF ACM	QUANTITY REMOVED
Main Hallway	Viny asbestos floor tile & mastic	100 SF
West Wing Classroom #	Vinyl asbestos floor tile & mastic	60 SF
Tunnel below west wing	Mud pack fittings	70 fittings
Exterior of building	Transite Panels	144 SF

DISCUSSION:

All specified work was performed during the 1992 spring vacation period between April 10 and April 18, 1992.

During the course of the removal project a specific schedule was established in order to accommodate additional work which was also to be performed during the spring vacation period. Work was sequentially performed to accommodate installation of new heating piping in the west wing crawlspace, a sanitary pipe in the main hallway, and the tie-in of the new concrete slab adjacent to the west wing classrooms. The transite panels were scheduled for removal because they were damaged.

Page 3

CONCLUSION:

All work was performed within the scheduled time frames with no delays incurred by the other trades on-site. The only acception was the exterior transite panels. Upon inspection of the suffit areas, only four damaged tiles were identified and hence, removed. The additional files will be addressed as to the base contract. All work areas passed presealant visual inspections prior to work area encapsulation by the contractor. Following encapsulation, aggressive final air clearance sampling was conducted in accordance with the requirements of the State of Connecticut Department of Health Services air clearance criteria.

All work was performed within the allotted time frame. There were no delays caused by, or incurred by, the asbestos abatement contractor.

Phase Contrast Microscopy (PCM) air samples were analyzed by a trained project monitor listed on the Asbestos Analyst's Registry maintained by the American Industrial Hygiene Association.

Transmission Electron Microscopy (TEM) analyses were performed by Electron Microscopy Services Laboratories, Inc., a Connecticut-certified laboratory. Laboratory results are attached.

Report prepared by:

Peter T. Shannon

Environmental Consultant

4/2///

Reviewed b

roject Manager

91-0126E:PC9 PTS/kvb

GENERAL:

	DATE:	4-15-92	<u> </u>		
	TECHNICIAN:	Peter Shannon		AAR #:	2548
	BUILDING:	Hill and Plain E	lementary	School	
	AREA:	CLASSIDOM ARG	<u>-</u> A		
TECH	NICAL:				
LOCA	ATION OF OPERA	ation: <u>class</u>	00~		-
	INSPECTIONS I		AREA		TIME
1.	FINAL VISUA	INSPECTION	CLASSODO	n	Pn.
2.					
3.					
4.					
					<u> </u>
5.					
	SAMPLE #	LOCATION	<u>ACTIVITY</u>		RESULTS fice
		AT NEGATIVE Air E. haust			
2.	4-15-15-02	ACTACENT TO CASSICOOM	Drin	g Removal	0.005
3.	4-15-83-14	INSIDE CONTRINMENT	Fina Ai	's Clearance	0.005
4.	4-15-P5-15	INSIDE CONTAMINENT	Finan Air	Chearance	< 0.005
5.	4-15-85-16	INSIDE CONTAINMENT	FINALAIN	Clearance	0.006.
6.	4-15-05-17	INSIDE COMPAINMENT	FINAL Air	- degrance	<0.005
7.	4-15-15-18	INSIDE CONTAINMENT	FINAL AL	r clearance	0,005
		AT ENTRANCE TO PIPE TO			0.014
	Y-15-P5-20				1.27 f/mm2
10.			****		

GENERAL:

	DATE:	4-16-92		•
	TECHNICIAN:	Peter Shannon	AAR #:	2548
	BUILDING:	Hill + Plain Eleme	Mary School	
	AREA:	Pipe Trankl A	A&A	
		·		
	HICAL:	Oa	Γ. Ι.Ο	·
LOCA	ATION OF OPERA	TION: Tipe	Tinnel Arce	
	INSPECTIONS P		AREA	TIME.
1. (P.pe Tunnel	
2.	Final Visian	INSPECTION	Pipe Tunnel	<u>om</u>
3.				
4.				
5.				
				RESULTS flee
	SAMPLE #	LOCATION		overloaded - unable to analyce
1.	4-16-PS-01 A	T DECON ENTRANCE		
2.	4-16-P5-02 C	USTIDIAN OFFICE	Prip work	₹0.00₹
3.	4-16-PS-03 I	MUIDE CMAMMENTI	FINAL Air cheurance	0.006
4.	4-16-RS-04 I	MSIDE CMMINIMENT	Finar Air Clearance	0.335
5.	4-16-PS-05 F	Nrios CATAINMENT	Final Air chearance	
6.	4-16-85-06 3	ENSIDE CATAMENT	Final Air clearance	0.005
7.	4-16-85-07	INSIDE CONTAINMENT	FINAL Air Chevance	0.005
	4-16-85-08			1.27 f/mm2
9.				
10				

4-16-92 0800-EBC'S Pere Grannon arrived on SITE. Prep work is continuing in she Pipe Tunnel. 0930- TEAR DOWN OF CONTAINMENT Completed in the clustroom. 1100.1200 Ese's Pere Shannon conducto pre-commencement visige inspection. Contractor allowed To Start removal following spot repair of penetrations 1130 ESC'S PUTER 5h annon informed contractor (NATIONAL Abdenier) Services) of passing of Final charance for South Wing/Lockerroom ARSAT at PettiBONE School ONLY 4 workers on SITE representing NATIONAL Abukment Services. 1300- Escis Pete Shannon entered aminiment (pipe Tranel) To perform FINAL Visual Prospection, SPOT AREAS required redeaning, work area

encupsulated. En 1530 Finge Dir Clearance SAMPLES PASSED. CONTRACTOR

Allowed TO TEAR DOWN CONTAINMENT.

ANNUAL ASSESTED MANAGEMENT
PLAM UPDATE
ED076B
Schedule B. Documentation of Asbestos
Removal

a special will make the special of charter measurements and a special property of the special of the special of

Section 10-292a-7, Regulations of Connecticut State Agencies Rev. 10/89

STATE OF CONNECTICUT Department of Education BUREAU OF GRANTS PROCESSING SCHOOL FACILITIES UNIT

(ev. 10/89		P.O. BOX 2219, Hardord, CT 06145	
TOMN/REGION NAME	<u> </u>	FACILITY NAME AND ADDRESS	DATE OF AMP UPDATE
New Mil		d Hill and Plain Elementary, 60 old TownPark Rd. I neral Instructions	10/8/92
	we 1	Provide the name of the school district where the facility is locally as the name and address of the facility. Also indicate the date of AMP Update is submitted.	
	rig	Please number the pages of each Schedule B being submitted in the split hand corner.	upper
	1.	Asbestos Containing Area Through out School	
	2.	Material(s)	:
		Type AC Pipe fiftings Amount 60 elbows Type AC Floor file and Mastic Amount 1500 Sq. ff. Type Amount Type Amount Type Amount Type Amount Type Amount	
	3.	Name and Address of Abatement Contractor National Abatement Services, Inc.	
		150 Recreation Park Prive Hingham, MA 02043	
	4.	Name and Address of School District Project Coordinator Pr. Stephen C. Tracy - Superintendent	
		50 East Street	
•		New Milford, Ct 06776	
	5.	Name and Address of Air Sampling Professional	
		Enviro Science Consultants, Inc.	
		252 Hartford Avenue	
		Newington, CT 0611)	
	٤.	Air Sampling Clearance Results Attached No Clearance Air Samples Collected	<u>.</u>
	7.	Date of Project Start June 20, 1992	

B. Date of Project Completion August 17, 1992

ASBESTOS ABATEMENT PROJECT MONITORING

Hill & Plain Elementary School 60 Old Town Park Road New Milford, Connecticut

INTRODUCTION:

EnviroScience Consultants, Inc., (ESC), was retained to provide asbestos abatement project monitoring services at the Hill & Plain Elementary School. Asbestos abatement was necessary due to demolition.

The project required EnviroScience Consultants and National Abatement Services to provide abatement and monitoring services on an as-needed basis. As demolition progressed through the building, any asbestos-containing material (ACM) discovered was promptly addressed to expedite the renovation process. The bulk of work consisted of vinyl-asbestos floor tile (VAT) removal necessitated by the General Contractor's construction needs.

In addition to air sampling, ESC's Environmental Technicians James Gallagher, Peter Folino, James Ciaglo, Robert Quinn, Jason Krantz and Ray Freuden performed job site inspections. Prior to the beginning of removal activities, a precommencement inspection was conducted. This was to document that work area preparations were performed in accordance with the verbal specifications. During removal activities, progress inspections were conducted inside the work area to assess work progress and work procedures. Presealant inspections were also conducted to verify that the work area met the non-visible dust criteria prior to conducting final air clearance. A post-teardown inspection was also performed to ensure that all ACM was removed.

SCOPE OF WORK:

The scope of the abatement work included the removal and disposal of the ACM listed for each of the following locations:

LOCATION ACM REMOVED

- Numerous small work areas where All < 160 sq. ft. renovations required the removal of existing VAT and associated mastic.
- 2. Spot repairs when ACM was revealed All < 3 sq. ft. during the course of scheduled demolition. Usually consisted of three to four suspect elbows and/or fittings.

DISCUSSION:

Due to the numerous trades present on site, as well as heavy demolition and construction activities, the background dust levels were extremely high prior to commencing with any removal work. In addition, the General Contractor's constricted time schedule prohibited the hold up of any demolition or tradeswork to aid in decreasing background dust levels. Therefore, due to the non-friability of the VAT being removed (negliable fiber release within a small containment under heavy negative air pressure), it was deemed necessary only to run final air clearance samples, analyzed on site by PCM analysis. Quantities of ACM removed that were not in excess of 3 linear feet or 3 square feet were treated as spot repairs, and final clearance samples were not required as per EPA, AHERA and State of Connecticut Department of Health Services regulations.

Page 3

CONCLUSION:

All work areas passed presealant visual inspections prior to work area encapsulation by the contractor. Following encapsulation, aggressive final air clearance sampling was conducted in accordance with the requirements of the State of Connecticut Department of Health Services air clearance criteria.

All work was performed within the allotted time frame. There were no delays caused by, or incurred by, the asbestos abatement contractor.

Phase Contrast Microscopy (PCM) air samples were analyzed by a trained project monitor listed on the Asbestos Analyst's Registry maintained by the American Industrial Hygiene Association.

Report prepared by:

Reviewed by:

James Gallagher Environmental Consultant

Raymond R. Folino Project Designer

910126C:PC6

<u>DATE</u> TECH	: <u>06-20-</u> NICIAN: <u>P. FOL</u>	72 INO J- GALLAG	her		# 91-0126
BUIL	DING: #//	1			
AREA	: Entrance 7	o Room A	REA #	Room 2	3 ANEH#2
INSP	ECTIONS* (PC, 1	PR, PS, TD)	WORK 1	AREA	TIME
1.	PC .		AREA #	:)	3:00
2.	PC:		AREA	2 4 # 3	3:05
3.	PS.		AREA*	<u> </u>	5:00
4.	P.S		AREA	#Z	5:05
5.	P≾		AREA	#3	6:45
	. •				
	SAMPLE #	<u>LOCATION</u> **	ACTI	<u> </u>	RESULTS (f/cc)
1.	6-20-PF-01	AREA #2		FAC	.067
2.	02				
3.	. 03				<u> </u>
4.	04				<u> </u>
5.		<u> </u>			,006
6.	6-20-PF-06.	AREA#3			<u> </u>
7.	07				.008
8.	. 08				<u> </u>
9.	09		***************************************		<1005
10.		<u> </u>	_	<u>\(\psi\) \(\psi\) \(\psi\)</u>	<.005

^{*}Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

^{**}Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 6-21-92		r # <u>91-0136</u>
DATE: 6-21-92 TECHNICIAN: PETO FOLWO	<u>AAR #:</u>	
BUILDING: Hugpeand SCH	_	\
AREA: ACEA # 4 ROOM 20 +	HALL AREA #5 C.	AFETELIA-
INSPECTIONS* (PC, PR, PS, TD)	WORK AREA	TIME
1. <u>PC</u>	AREA #4	1600
2. <u>fc</u>	AREA 45	1610
3. PS	AREA #4 '	1745
4. <u>PS</u>	HREA#5	1755
5.		
SAMPLE # LOCATION*	* <u>ACTIVITY</u> ***	RESULTS (f/cc)
1. 6-21-PF-01 AREA # 3	FAC	0.005
2		<0.005
303		<0.005
404		50.005
5. V -05 V		(0.005
6. 6.21-PF-DG AREA # 4		0.005
7. -07		0.008
808		0.009
9		0.006
10. V -10	$\overline{}$	0.005
*Inspection Kev: PC = Pre-com	mencement; PR = Pr	ogress;

^{*}Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

^{**}Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 6-21-92 TECHNICIAN: PETE FOUNTS	ESC PROJ AAR #:	# <u>91-0136</u>
BUILDING: HILL & PLAN SC.	HOOL	
AREA: AS PREVIOL		
INSPECTIONS* (PC, PR, PS, TD)	WORK AREA	TIME
1. <u>see</u> P.		
2		
3.		
4.		•
5.		
SAMPLE # LOCATION**	* <u>ACTIVITY</u> ***	RESULTS (f/cc)
1. 6-21-PF-11 AREX #5	FAC_	20.005
2		<0.005
313		0,004
414		40.005
515		<0.005
6. 6-21-PF-4 BLANK	- V	3 fib/100 flds
7.		
8.	**************************************	
9		
10		
*Inspection Key: PC = Pre-comme PS = Pre-sealant; TD = Teardown		gress;
**Location Key: NAE = Negative Outside Critical Barrier	Air Exhaust; DECO	N; OCB =
***Activity Key: PA = Pre-abate During Removal; FC = Final Clean		

DATE:	<u>6-23-92</u> ICIAN: <u>6</u> A.	NAGHER	ESC PROJ	1980 1980
BUILD	ING: HILL	& PLAIN EL	EMENTARY	
AREA:	Nume			
INSPE	CTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1	PC		#3 11 412	/300
2	PS		п (4	
3				
4.				
5				
	SAMPLE 1	LOCATION**	VCLIAILX * * *	RESULTS (f/cc)
		Work Aven #10	FAC	0,0056
2	1 -02			0.0082
3	-03		_	0.0084
4	-04			0.0049
	-05			0,0065
5	-04	Work Area #8		10.0042
6	-07	1		0.0056
7	-08			(0.0037
8	-09			0.0043
9				<0.0038
10	V ~10	<u> </u>	<u></u>	10.0000

*Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

**Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

***Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 6-23-92 TECHNICIAN: GALLAGHER	ESC PROJ 11 <u>91-0126</u> AAR 11: 1980
AREA: NUMEROUS	OORK AREA TIME
INSPECTIONS* (PC, PR, PS, TD)	ORK AREA TIME
1.	
2.	
3.	
4.	
5	
SAMPLE # LOCATION**	ACTIVITY*** RESULTS (f/cc)
· 23 TC 11 1 lack Ame H1.	FAC 0.0080
1 -12	0.0085
_/3	0.0091
3. <u>-14</u>	0.0075
115	0.0085
5.	0.0085
614 WORK AREA #7	
7	0.0067
818	8.0059
919	0,0083
10	0,0083

*Inspection Key: PC = Pre-commencement; PR = Progress; PS = Pre-sealant; TD = Teardown

**Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

***Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE	: <u>6-23-92</u> NICIAN: <u>64</u>	NAGHER	ESC PROJ	1980
	DING: HILL	& PLAIN ELE		
AREA	. /	KOUS		
	ECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1				
2				
3.				
4.				
5.				
	SAMPLE #	LOCATION** Work Area #9	ACTIVITY*** FAC	RESULTS (f/cc)
	1 -22	1	\	<0.0049
2.	-23			<0.0036
 4. 	-2+			0.0032
5.	-25			<0,0031
٥. د.	-24	BLANK	•	0 fib/100 flds
7.	-27	BLANK		1.5 Ab/100 flds
8.	V -28	BLANK	<u> </u>	o fib/100 flds
9.				
10.				
*Ins PS =	·	<pre>PC = Pre-commen TD = Teardown</pre>		
**Lo	ocation Key: side Critical	NAE = Negative A Barrier	ir Exhaust; DEC	ON; OCB =

^{***}Activity Key: PA = Prc-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 6-24-92. TECHNICIAN: J. Ciaglo	ESC PROJ	11 41-0126€
TECHNICIAN: J. Ciagio		
BUILDING: Hill & Plain Ele.	mentary	-
AREA: Kitchen areas #'s	11 € 12.	-
INSPECTIONS* (PC, PR, PS, TD)	WORK AREA	TIME
1	#/3	
2.		
3.		
4.		
5.		
SAMPLE # LOCATION*	** <u>NCTIVITY</u> ***	RESULTS (f/cc)
1. 6-24-JC-01 Kitchem W.A. #	·11 FAC	<0.0044
2. -02		10,0044
303		10,0045
104		0.0052
505		0.0050
604 Kitchen WiA. A	‡12	10,0047
707		8:0059
808		10.0047
909		T0,0046
10		50.0047
11 -11 Blank	V mencement; PR = Pr	ogress;
PS = Pre-sealant; TD = Teardown		
**Location Key: NAE = Negative	e Air Exhaust; DEC	ON; OCB =

Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 6-25-92	ESC PROJ # 91-0126 E	
TECHNICIAN: GAILAGHER	AAR #: 1980	
BUILDING: Hill & Plain	A	
AREA: Work Areas #1.	3 J # 14	
INSPECTIONS* (PC, PR, PS, TD	WORK AREA TIME	
1. <u>PC</u>	#'s 14 £ 15 1200	
2. <u>P</u> S	# 14 ~ 1430	
3. <u>ρ</u> 5	# 15 ~ 1500	•
4.	-	
5.		
CANDIE 4 TOGAMIC	ONAL ACMINITANAL DECIME (5/22	,
SAMPLE # LOCATIO		1.
1. 10-15-56-01 Work Are	1	,
2	(0.0042	
3	(0.0042	
404	(0.0036	•
5. <u>-08</u> V	0.0083	•
604 NURUS OF		
707 BLANK		Ĺ
8. V -08 BLANK	N/A 5 46/100 Fld.	5
9.	·	-
10.		•
*Inspection Key: PC = Pre-c PS = Pre-sealant; TD = Teard	ommencement; PR = Progress; own	٠
**Location Key: NAE = Negat Outside Critical Barrier	ive Air Exhaust; DECON; OCB =	
***Activity Key: PA = Pre-a During Removal; FC = Final C	batement; SU = Prep Setup; DR = leaning; FAC = Final Air Clearance	

DATE: 6-26- TECHNICIAN: 64 BUILDING: Hill		<u>AAR #:</u>	# <u>91-0126E</u> 1980
AREA:	7	,	
INSPECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1.	_		
2.			
3.			
4.			
5.			
SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 6-26-54-01	Work Area # 14	FAC	<0.0041
2. -02			\$0,0062
3			0.0047
4			10,0037
505			(0,0047
606	Work Area # 15	FAC	(0,003/
7			(0,0047
8			0.0041
9. , -09			<0.0035
10. V -10			0.0030
*Inspection Key: PS = Pre-sealant;		cement; PR = Pro	ogress;
**Location Key: N Outside Critical F	NAE = Negative Ai Barrier	ir Exhaust; DECC	ON; OCB =
***Activity Key: During Removal; FO	: = Final Cleanir	ng; FAC = Final	Setup; DR = Air Clearance
6-26-59 -11	Blank	NA	1 46 /100 Ads
6-26-56 -12	Blank	NA	0 fib /100 file

Page _	of
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DATE: 6-29-92 TECHNICIAN: J. GALLAGO	HER	ESC PROJ AAR #:	# <u>91-0136</u> 1980
	PLAIN SC		
AREA:	·		
INSPECTIONS* (PC, PR,	PS, TD)	WORK AREA	TIME
1. PC		#16	1100
2 PS		#16	1230
3.		,	
4.			
5.			
SAMPLE #	LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 6-29-JG-01 WORK	ACEA # 16	FAC	(0.0047
2			0.0049
3			0.0069
404			0.0055
5			0.0075.
6	$\sqrt{}$		2 Abers/100 flds
7			
8			
9.			
10.			
*Inspection Key: PC = PS = Pre-sealant; TD =	Pre-commend Teardown	ement; PR = Pro	ogress;
**Location Key: NAE = Outside Critical Barri		r Exhaust; DECO	ON; OCB =
***Activity Key: PA = During Removal; FC = F	Pre-abateme	ent; SU = Prep S ng; FAC = Final	Setup; DR = Air Clearance

BUILDING: HILL & PLAIN SCH AREA: AREAS # 18-21 INSPECTIONS* (PC, PR, PS, TD) 1. PS 2. PC 3. P5	WORK AREA # 18 # 19 # 19	TIME (030 (206
1. PS	# 18· # 19	1030
2. <u>PC</u>	#19	
		[206
3 P5	# 19	
		1400
4. PC	#15 20 & 21	1445
	DA #21	1550
SAMPLE # LOCATION**	ACTIVITY***	RESULTS (f/cc)
1. 7-1-J6-01 AREA #17	FAC	0,0042
2. -02		0.0040
3		0.0069
4		0.0034
5		0.0054.
6OL AREA # 18		40.0038
7		40.0039
8		0.0049
9		0.0043
10. \ \ -10		0,0045
*Inspection Key: PC = Pre-commen PS = Pre-sealant; TD = Teardown	ncement; PR = Pro	ofibers 100 flds

Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

Page	 of	

DATE: 7-2-92.			# 91-0136
	GALLAGHER	<u>AAR #:</u>	1980
BUILDING: HA	LL & PLAIN SC	400 <u>1</u>	
AREA: AREA	15 #21 \$ 20	<u> </u>	
INSPECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1. <u>PS</u>		#20	1030
2			
3.			
4.			
5.			
			•
SAMPLE #	<u>LOCATION</u> **	ACTIVITY***	RESULTS (f/cc)
7-2-56-01	AREA #19	FAC	0.0055
2			<0.0032
3			0,0058
4			<u> </u>
5			<0.0039
6	AREA #21		0.0070
7			0.0047
8			0.0040
9			40,0039
10			0.0049
*Inspection Key: PS = Pre-sealant;		cement; PR = Pr	Is fibers/100 fids ogress;
	NAE = Negative A	ir Exhaust; DEC	ON; OCB =

Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 7-7-92, TECHNICIAN: Robert Qvin.		ESC PROJ #	91-0126€
	•		
BUILDING: HILL & PLAN	N CLEMENTARY		1
AREA:			
INSPECTIONS* (PC, PR, PS,	TD) WORK	AREA	TIME
1	Area =	123	1400
2 <u>PS</u>			1530
3.			•
4.			•
5.			
SAMPLE # LOCA	ATION** ACTI	VITY*** R	ESULTS (f/cc)
1. 7-7-RQ-OI WOLK ARE	EA #20 FA	10	(0.0040
2. -02			20.0042
303			20.0031
404			<0.0037
505 V			0.0041.
6OL WORL A	2EA # Z2		0.0044
7			0.0058
808			0.0039
909			0.004)
1010 BLAN *Inspection Key: PC = Proposition Formula TD = Technology	e-commencement;	PR = Progr	0.0041 2 fibers/100 fields cess;
**Location Key: NAE = Nec Outside Critical Barrier	gative Air Exha	ust; DECON	; OCB =
The state of the s	o-shatomost. CI	I - Dran Cai	tune DD -

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

Page	of	

DATE			ESC PRO	# <u>91-0126</u>
TECHI		· 1	allagher AAR #:	1980
BUILI	DING: HIL	L & PLAIN	ELEMENTARY	•
AREA	:			·
INSPI	ECTIONS* (PC,	PR, PS, TD)	WORK AREA	TIME
1.	PC .		Area # 24	1800
2	PS		Area #24	1435
3.	· -		,	
4.	<u> </u>		·	
5.			•	
•	SAMPLE #	<u>LOCATION</u> **	ACTIVITY***	RESULTS (f/cc)
1. 3	7-8-JK-01	AREA # 23	· FAC	0.0072
2.	-02			0,0066
3.	-03			0.0065
4	-04			0.006)
5.	-05	V		0.0082
6.	-06	AREA #24		0.0048
7	-07			0.0048
8.	-08			0.0038
9.	-09			0.0053
10.	~10			0.0060
il. *Ins	v - 11 pection Key:	N/A - BLAN $PC = Pre-comme$	encement; PR = Pro	ogress:
PS =	Pre-sealant;	TD = Teardown		- 3
****		77K 77K		

**Location Key: NAE = Negative Air Exhaust; DECON; OCB = Outside Critical Barrier

***Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

Page	of	

DATE: 7-14-92, TECHNICIAN: Robert Quinn	ESC PROJ # <u>91-0126</u>	•
BUILDING: HILL & PLAIN ELEME	·	
AREA:		
INSPECTIONS* (PC, PR, PS, TD) WO	DRK AREA TIME	
1. PC #	25. 1000	·
2. <u>P5</u> #	25 1200	
3.		
4.		
5.		
SAMPLE # LOCATION** A	ACTIVITY*** RESULTS (f/	<u>cc)</u>
1. 7-14-RQ-01 work area #25	FAC	
202		
3		
404		
505 V		
6. V -06 BLANK		
7.		
8.		
9		
10.	,	
*Inspection Key: PC = Pre-commenceme PS = Pre-sealant; TD = Teardown	ent; PR = Progress;	
**Location Key: NAE = Negative Air E Outside Critical Barrier	Exhaust; DECON; OCB =	
***Activity Key: PA = Pre-abatement; During Removal; FC = Final Cleaning;	; SU = Prep Setup; DR = FAC = Final Air Clearanc	:e
•		

DATE: 3-14-92 TECHNICIAN: PAR J. HENT	ESC PROJ	#
BUILDING: HILL + PLAN G		
	with they wrote	
AREA: CASETISUA		
INSPECTIONS* (PC, PR, PS, TD)	WORK AREA	TIME
1.		
2		
3.		•
4.		
5.	**,	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SAMPLE # LOCATIO		RESULTS (f/cc)
1. 8-14-05H-01 CAFARLIA	FAC	OUELLONOFO
2		
3		
4		
5		
6.		
7.		
8.		
9		
10.		
*Inspection Key: PC = Pre-co PS = Pre-sealant; TD = Teardo	ommencement; PR = Pro	gress;
**Location Key: NAE = Negati Outside Critical Barrier	ve Air Exhaust; DECO	N; OCB =

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance

DATE: 8-17-92 TECHNICIAN: Tim Cigalo	ESC PROJ	# 91-012bE 3329
BUILDING: Hill+ Plain Elementary	•	•
AREA: Cafeteria / Hall		
	WORK AREA	TIME
INSPECTIONS* (PC, PR, PS, TD)	Hall Gloveban	1000
0.0	1 Clove Day	_
	-	1010
3. <u>TP</u>	<u> </u>	1015
4. 1	Citeteria	1235
.5	•	-
SAMPLE # LOCATION**  1. 08-17-HP-BIK left Forte:  201 left side:  Cate Contain.  ieft center	* ACTIVITY***  Feld Blank  FAC	2,55 f/mm ² 0,008 f/cc 0.007
403 Cafe Contain.		0.007
5oy Cife. Contain.		0.005
6OS Caté. contain.		0.007
7.		
8.		
9.		
10.		
*Inspection Key: PC = Pre-comm PS = Pre-sealant; TD = Teardown **Location Key: NAE = Negative	encement; PR = Pro	

Outside Critical Barrier

^{***}Activity Key: PA = Pre-abatement; SU = Prep Setup; DR = During Removal; FC = Final Cleaning; FAC = Final Air Clearance