TOWN OF HEBRON RECEIVED HES DRINKING WATER REMEDIATION BUILDING COMMITTEE REGULAR MEETING

2020 SEP

HES Load Remediation Building Committee Mon, Sep 21, 2020 6:30 PM - 8:30 PM (EDT)

Please join my meeting from your computer, tablet or smartphone. https://global.gotomeeting.com/join/621612357

> You can also dial in using your phone. United States: +1 (571) 317-3122

> > Access Code: 821-612-357

Monday, September 21, 2020

6:30 PM

AGENDA

- 1) CALL TO ORDER
- 2) PLEDGE OF ALLEGIANCE

3) PUBLIC COMMENT

This section of the agenda is reserved for persons in attendance who wish to briefly address the HES Drinking Water Remediation Building Committee. The committee requests that comments be limited to three minutes or less. Persons wishing to address the Committee regarding agenda items should request clarification from the Chair as to whether or not they should speak during the public comment portion of the meeting or at the time the agenda item is considered

4) CONSENT AGENDA APPROVAL OF MINUTES ET AL

- a) Regular meeting minutes 07-20-2020
- b) Regular meeting minutes 08-17-2020
- c) Special meeting minutes 08-31-2020
- d) Previous Meeting SP&A notes 08-17-2020

5) SUPERINTENDENT REPORT - ACTIVITIES

- a) Status Consent Agreement
- b) School opening and HES Water use

6) SILVER PETRUCELLI – NUTMEG COMPANIES

- a) Fuss and O'Neil new invoice
- b) Asbestos Documentation (see attached)
- c) Punch List Status
- d) "As Built's" project and calking required by DPH and Building official
- e) Drawing files for town

7) CONSIDER AND ACT ON "CERTIFICATE OF SUBSTANTIAL COMPLETION"

8) PAYMENT REQUISITIONS

a) Consider and Act on Approved Requisitions:

i) Hungerford	Inv #87091	\$540.00
ii) Silver Petrucelli	inv 20-2041	\$3,343.1
iii) Fuss & O'Neil	Inv 0225426	\$3,770.00
iv) Pheonix Environ. Lab	Inv 876476	\$1,099.00

9) OTHER PERTINENT PROJECT BUSINESS

10) ADJOURNMENT

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TOWN OF HEBRON HES DRINKING WATER REMEDIATION BUILDING COMMITTEE August 17, 2020 – Regular Meeting RECEIVED Virtual Conference

Members Present: M. Leichter, W. Warwick, D. Foster, R. Steiner, H. Petit

2020 SEP 14 _A 8: 24

Guests: Dr. T. Baird, K. O'Leary, W. Durocher, S. June, B. Silver, R. Haley, M. Larkin, M. Fitzgerald

The meeting was called to order at 6:30 p.m.

Consent Agenda:

<u>Regular Minutes 8-3-20 and Previous Meeting SP&A notes 8-3-20</u>: R. Steiner moved and H. Petit seconded a motion to approve the Consent Agenda. The motion passed unanimously.

<u>Superintendent's Report</u>: Dr. Baird reported that he was in the building today and it looked a lot different than the last time he was there. It is looking a lot closer to normal.

W. Durocher reported that they will be taking samples tomorrow morning for water testing.

<u>Availability of Documentation</u>: M. Leichter stated that he is still looking for the asbestos paperwork. S. June indicated that the last update he received indicated that the paperwork would be available in a couple of weeks.

Dr. Baird questioned about a Certificate of Occupancy. M. Fitzgerald stated that R. Blais would be able to help with that question.

K. O'Leary stated that she received a lot of the invoices for payment from the Town this week and should have all them by the end of the week.

<u>Clerk Report:</u> M. Fitzgerald reported that Nutmeg Companies considered themselves complete last Friday. There was one issue regarding the fire proofing on a section that did not pertain to the project. M. Fitzgerald indicated that they need to obtain design for this for approval. M. Fitzgerald noted that he has been in constant contact with R. Blais regarding this issue.

M. Fitzgerald reported that he created a punch list last week to ensure that the Town would be comfortable with the final analysis of the project. M. Fitzgerald also reported that he believes all of the issues that were noted have been taken care. The only outstanding one is the fire proofing in the tunnel area of the boiler room, which is not related to the project itself.

M. Leichter moved and W. Warwick seconded a motion that a letter of record be written for M. Fitzgerald because he has done such a great job. The motion passed unanimously.

Page 2

<u>Silver Petrucelli – Nutmeg Companies:</u> S. June reported that they will be going back out to the school to make sure that everything has been done on the punch list. S. June stated that he will let the Town know when they are done as well as when Nutmeg is completed.

It was reported that the Fire Marshal has been to the site to inspect the first floor and the only area left is the basement for him to review.

<u>Status Water Line Repair</u>: M. Leichter reported that they are figuring out the logistics on the money for this but the invoice will be getting paid.

Payment Requisitions:

<u>MMFC – Invoice #9:</u> M. Leichter moved and W. Warwick seconded a motion to approve MMFC's Invoice #9 in the amount of \$5,544.50. The motion passed unanimously.

<u>Silver Petrucelli – Invoice #20:</u> W. Warwick moved and D. Foster seconded a motion to approve Silver Petrucelli's Invoice #20 in the amount of \$2,625.00. The motion passed unanimously.

<u>CorrTech – Invoice #14457 01:</u> W. Warwick moved and R. Steiner seconded a motion to approve CorrTech's Invoice #14457 01 in the amount of \$3,770.00. The motion passed unanimously.

W. Warwick moved and D. Foster seconded a motion to have M. Leichter write a letter of appreciate for Silver Petrucelli's work on this project. The motion passed unanimously.

W. Warwick moved and D. Foster seconded a motion to adjourn the meeting at 7:25 p.m. The motion passed unanimously.

Tricia Schiavi Board Clerk

TOWN OF HEBRON HES DRINKING WATER REMEDIATION BUILDING COMMITTEE August 31, 2020 – Regular Meeting Virtual Conference

Members Present: M. Leichter, W. Warwick, D. Foster, R. Steiner (6:37 p.m.)

2020 SEP 14 A 8: 24 MEBRON TOWN CLERK

Member Absent: H. Petit

<u>Guests:</u> Dr. T. Baird, K. O'Leary, W. Durocher, J. Duhamel, K. Sullivan, E. Gawendo, R. Haley, K. Eldridge

The meeting was called to order at 6:31 p.m.

<u>Superintendent's Report</u>: Dr. Baird reported that all of the water testing came back great and are just waiting for a signature.

R. Steiner arrived at 6:37 p.m.

D. Foster questioned why the grab bars need to be replaced. R. Haley stated that they have increased the compliance with the ADA requirements and the bathroom across from the Media Center did not meet the requirement.

Payment Requisitions:

<u>MMFC – Invoice #10:</u> W. Warwick moved and D. Foster seconded a motion to approve MMFC's Invoice #10 in the amount of \$1,194.00. The motion passed unanimously.

<u>Hungerfords</u>: W. Warwick moved and D. Foster seconded a motion to approve Hungerford's invoice in the amount of \$855.00. The motion passed unanimously.

<u>Nutmeg Companies – Invoice #6</u>: D. Foster moved and W. Warwick seconded a motion to approve Nutmeg's Invoice #6 in the amount of \$65,221.83. The motion passed unanimously.

W. Warwick moved and D. Foster seconded a motion to adjourn the meeting at 6:52 p.m. The motion passed unanimously.

Tricia Schiavi Board Clerk



Certificate of Substantial Completion

PROJECT: (name and address) Hebron Elem, School Contaminated Water Piping Replacement	CONTRACT INFORMATION: Contract For: General Construction	CERTIFICATE INFORMATION: Certificate Number: 001
92 Church Street Hebron, CT 06248	Date: December 13, 2019	Date: September 2, 2020
OWNER: (name and address) Town of Hebron 15 Gilead Street Hebron, CT 06248	ARCHITECT: (name and address) Silver/Petrucelli+Associates, Inc. 3190 Whitney Avenue Hamden, CT 06518	CONTRACTOR: (name and address) The Nutmeg Companies, Inc. 1 Ohio Avenue Norwich, CT 06360

The Work identified below has been reviewed and found, to the Architect's best knowledge, information, and belief, to be substantially complete. Substantial Completion is the stage in the progress of the Work when the Work or designated portion is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use. The date of Substantial Completion of the Project or portion designated below is the date established by this Certificate. *(Identify the Work, or portion thereof, that is substantially complete.)*

Hebron Elementary School Containingted Water Piping Replacement (All areas of the Work)



WARRANTIES

The date of Substantial Completion of the Project or portion designated above is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below:

(Identify warranties that do not commence on the date of Substantial Completion, if any, and indicate their date of commencement.) ALL WARRANTIES COMMENCE ON THE DATE OF SUBSTANTIAL COMPLETION.

WORK TO BE COMPLETED OR CORRECTED

A list of items to be completed or corrected is attached hereto, or transmitted as agreed upon by the parties, and identified as follows: *(Identify the list of Work to be completed or corrected.)*

Refer to S/P+A Architectural Punchlist Report #2 and P/FP Punchlist Report #2 (Dated: 8/24/2020)

The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. Unless otherwise agreed to in writing, the date of commencement of warranties for items on the attached list will be the date of issuance of the final Certificate of Payment or the date of final payment, whichever occurs first. The Contractor will complete or correct the Work on the list of items attached hereto within THIRTY (30) days from the above date of Substantial Completion.

Cost estimate of Work to be completed or corrected: \$20,000.00

The responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work, insurance, and other items identified below shall be as follows:

(Note: Owner's and Contractor's legal and insurance counsel should review insurance requirements and coverage.) Per Contract

The Owner and Contractor hereby accept the responsibilities assigned to them in this Certificate of Substantial Completion:

The Nutmeg Companies, Inc.	Part L Gavenel	Evert L. Gawendo, VP	9/4/20
CONTRACTOR (Firm Name)	SIGNATURE	PRINTED NAME AND TITLE	DATE
Town of Hebron		Malcolm Leichter BC Chair	
OWNER (Firm Name)	SIGNATURE	PRINTED NAME AND TITLE	DATE

1

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH

Deidre S. Gifford, MD, MPH Acting Commissioner



Ned Lamont Governor Susan Bysiewicz Lt. Governor

Drinking Water Section

September 16, 2020

Mr. Thomas Baird Hebron Public Schools 580 Gilead St Hebron, CT 06248

PUBLIC WATER SYSTEM: CLASSIFICATION TYPE: PWSID: Hebron Elementary School, Hebron CT Non Transient Non Community CT0670112

SUBJECT: Consent Agreement DWS-19-067-056

Dear Mr. Baird:

Hebron Elementary School entered into the above-mentioned Agreement with the Department on November 8, 2019. Item 8 of the Agreement required that the School, on or before August 31, 2020, verify in writing to the Department that the piping replacement project has been completed. On August 28, 2020, the Department received an e-mail from Malcolm Leichter notifying the Department that the pipe replacement project was complete.

As a result of the completion of this project, in accordance with Item 8 of the Agreement, the Department will no longer require compliance with Item 3 of the Agreement which required monthly compliance with lead public education requirements. However, the Agreement will not be closed out until two rounds of lead and copper tap sampling are submitted in accordance with Section 19-13-B102(e)(8) of the Regulations of Connecticut State Agencies that meet the lead action level as noted in Item 9 of the Agreement.

The Department appreciates your commitment to resolving past lead action level exceedances by completing this project. If you have any questions, please contact Gary Johnson at <u>gary.r.johnson@ct.gov</u>

Sincerely,

ann

Lori Mathieu Public Health Branch Chief Environmental Health and Drinking Water Branch

 cc: Mr. Russell S. Melmed, Director of Health, Chatham Health District Mr. Brendan Rowley, Certified Operator Mr. Malcolm Leichter, Town of Hebron Mr. Andrew Tierney, Town of Hebron



Phone: (860) 509-7333 • Fax: (860) 509-7359 Telecommunications Relay Service 7-1-1 410 Capitol Avenue, P.O. Box 340308, MS#12DWS Hartford, Connecticut 06134-0308 <u>www.ct.gov/dph/publicdrinkingwater</u> *Affirmative Action/Equal Opportunity Employer*





Deidre S. Gifford, MD, MPH Acting Commissioner



Ned Lamont Governor Susan Bysiewicz Lt. Governor

Drinking Water Section

ACKNOWLEDGEMENT OF PROJECT COMPLETION AND PROJECT CLOSURE

September 3, 2020

Dr. Thomas Baird Superintendent of Schools Hebron Public Schools 580 Gilead Street Hebron, CT 06248

Public Water System/Applicant: HEBRON ELEMENTARY SCHOOLPWS ID (if applicable): CT0670112DPH Project #: 2020-0026Project Location: Hebron, CTProject Name: OCCT- Replacement Of All PlumbingsDate of Project Submission: 12/16/2019, 2/21/2020, 3/3/2020, 3/5/2020

Project Description: Replace all internal plumbings, taps, and water fountains

Based on the following items, the Approval for Construction and Installation of Water and Treatment Works dated March 17, 2020 and documents on record for this project, the project is acknowledged as being completed.

(XX) Receipt of a Certification of Completed Water or Treatment Works Construction/Installation form, dated August 28, 2020.

(XX) Submission of water quality test results meeting Regulations of Connecticut State Agencies.

This letter also serves as a record of project closure and project activation. Any changes to your system that are a result of this project will be added to our inventory database as warranted. An as-built drawing must be submitted to this office by October 31, 2020.

If you have any questions regarding this letter, please feel free to contact me at 860-509-7333.

Sincerely,

Lori J. Mathieu Public Health Branch Chief Environmental Health & Drinking Water Branch



Phone: (860) 509-7333 • Fax: (860) 509-7359 Telecommunications Relay Service 7-1-1 410 Capitol Avenue, P.O. Box 340308, MS#12DWS Hartford, Connecticut 06134-0308 <u>www.ct.gov/dph/publicdrinkingwater</u> Affirmative Action/Equal Opportunity Employer



Dr. Tom Baird September 3, 2020 DPH Project #: 2020-0026 Page 2

C: Heather Aaron, MPH, LNHA, Deputy Commissioner, Department of Public Health Mr. Russell S. Melmed, Director of Health, Chatham Health District Mr. Brendan Rowley, Certified Operator Mr. Thomas Chyra, DPH-DWS Ms. Cindy Sek, DPH-DWS Mr. Christopher Roy, DPH-DWS



Certificate of Compliance

as a

DESIGNATED RESPONSIBLE INDIVIDUAL

Is hereby granted on this day January 1, 2020 to:

John Chiangi Stonington Services dba Brand Fire Services

for successfully meeting all test criteria.

FM Approvals hereby certifies that the individual shown above met all test criteria contained in Approval Standard 4991, Approval of Firestop Contractors, to qualify as a Designated Responsible Individual (DRI).

Said recognition is subject to satisfactory field performance, accumulation of Continuing Education Units and periodic written re-examinations.

Chillip J. Smith

Phillip J. Smith VP - Manager, Materials FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062



Expires on December 31, 2022

Member of the FM Global Group

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Qualified Operator of Power-Actuated Tools 5485359 This certifies that	Qualified Operator of Power-Ac This certifies that (Name of the operator)	tuated Tools 5485859
has received the prescribed training on the operation of the following power-	has received the prescribed training on the op-	eration of the following power-
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I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.	I have received instruction on the safe operatic power-actuated tools and models specified, ar and regulations governing their use. Signature:	on and maintenance of the Hilti nd agree to comply with all rules
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Qualified Operator of Power-Actuated Tools 5486359 This certifies that AMIE ZEUNO	Qualified Operator of Power-Ac This certifies that	RRIS
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Hilli, Outperform, Outlest

Qualified Operator of Power-Actuated Tools 5488359

This certifies that _____

(Name of the operator)

has received the prescribed training on the operation of the following poweractuated Hitti tools: ________ on

actuated Hiltj tools: (Date) (Date) (Number of Authorized Instructor Card) (List tools covered by this card) (Signature of Authorized Instruction) I have received instruction on the safe operation and maintenance of the Hilti

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature: _

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools fisted above so long as Hiltit fasterners, cartridges and accessories, or products of the same level of safety and performance, are used.





Qualified Operator of Power-Actuated Tools 5489068 This certifies that OREY HORENCE (Name of the operator)

has received the prescribed training on the operation of the following poweractuated Hilti tools: on



I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature:

Failure to comply with any of the rules and regulations for sale operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the book listed above so long as Hilli fasteners, cartridges and accessories, or products of the same lavel of safety and performance, are used.

Hiki. Outperform. Outlast.	Hitti. Outperform. Outlast.
Qualified Operator of Power-Actuated Tools 5490068 This certifies that VINNY HEALY (Name of the operator)	Qualified Operator of Power-Actuated Tools 5490568 This certifies that BRANDON HECUE (Name of the operator)
actuated Hilti tools: on on on	actuated Hilti tools: on on (list tools covered by this card)
(Signature of Authorized Instructor) (Number of Authorized Instructor Card) I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules	(Signature of Authorized Instructor) (Number of Authorized Instructor Card) I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules
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Qualified Operator of Power-Actuated Tools 5491068 This certifies that ROSS LAGUERRE	Qualified Operator of Power-Actuated Tools 5491568 This certifies that PHIL MATEWSKI (Name of the operator)
has received the prescribed training on the operation of the following power- actuated Hilti tools: on on	has received the prescribed training on the operation of the following power- actuated Hilti tools: on
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Hitl, Outperform, Outlast.	Hilti. Outperform. Outlast.
Qualified Operator of Power-Actuated Tools 5492068 This certifies that ANCTEL MALDONADO	Qualified Operator of Power-Actuated Tools 5492568 This certifies that RALPH MAYO
(Name of the operator) has received the prescribed training on the operation of the following power- actuated Hilti tools:	(Name of the operator)
(Lister is covered by this card) (Date)	(List tiers covered by this card) (Date)

(Number of Authorized Instructor Card)

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

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power-actuated tools and models specified, and agree to comply with all rules Signature:

I have received instruction on the safe operation and maintenance of the Hilti

(Number of Authorized Instructor Card)

(Signature of Authorized Instructor)

and regulations governing their use.

Hill. Outperform. Outlast.

_ on _

88525

(Number of Authorized Instructor Card)

(Date)

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Hilti, Outperform, Outjast.

(Name of the operator)

(List tools covered by this card)

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(Signature of Authorized Instructor)

and regulations governing their use.

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Signature: _

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(Name of the operator)

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Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Hill fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Hilti. Outperform. Outlast. Qualified Operator of Power-Actuated Tools 5490070 This certifies that CHRLS DICKETT (Name of the operator) has received the prescribed training on the operation of the following poweractuated Hilti tools: on (Date) (Number of Authorized Instructor Card) List tools covered by this card) 4 (Signature of Authorized Instructor) I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use. Signature: Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Hilli fasteners, catridges and accessories, or products of the same level of safety and performance, are used. Hilti, Outperform, Outlast. (Name of the operator) has received the prescribed training on the operation of the following poweractuated Hilti tools: on tools covered by this card) BESLS ~ (Signature of Authorized Instructor) (Number of Authorized Instructor Card) I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use. Signature: Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Hilti fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Hiltl. Outperform. Outlast. Qualified Operator of Power-Actuated Tools 5492070

This certifies that BRYAN (Name of the operator) STARTZ

has received the prescribed training on the operation of the following poweractuated Hilti tools: on

88525 (List tools covered by this card) (Number of Authorized Instructor Card) (Skingfure of Authorized Instructor)

have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authoritation is valid of the bools listed above so long as Hillif asterners, cartridges and accessories, or products of the same level of safety and performance, are used.



(Name of the operator)

has received the prescribed training on the operation of the following power-

actuated Hilti tools (List tools overed by this card) (Date) 88525 (Signature of Authorized Instructor) (Number of Authorized Instructor Card)

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature: Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause to the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authoritation is valid for the look listed above so long as Hilti fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Qualified Operator of Power-Actuated Tools 5490570 This certifies that SAMMY PIZARRO This certifies that SAMMY (Name of the operator)

has received the prescribed training on the operation of the following poweractuated Hitti tools: on





Hiiti. Outperform. Outlast.

Hilti. Outperform. Outlast

Hill, Outperform. Outlast.

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the look silistic above so long as Hill fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

(Signature of Authorized Instructor)

Qualified Operator of Power-Actuated Tools 5491570 This certifies that PATRICK SHINE (Name of the operator)

has received the prescribed training on the operation of the following power-



I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools sized above so long as Hill fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Hilti, Outperform, Outlast.

Qualified Operator of Power-Actuated Jools 5492570 This certifies that FERNANDO URENA (Name of the operator)

has received the prescribed training on the operation of the following power-

actuated Hilti tools: on_ (List toolage overed by this card)

88525 (Number of Authorized I

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature: _

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authoritation is valid for the tools listed above so long as Hill lasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Signature:



Hilti. Outperform. Outlast.

Qualified Operator of Power-Actuated Tools 5487367 This certifies that JEFF ABREU

has received the prescribed training on the operation of the following power-

actuated Hilti tools: (List tools covered by this card) 88525 (Number of Authorized Instructor Card) (Si**crí**atu zed Instructor

have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

(Date)

Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demmad to the applicable authority. This authorization is valid for the tools islead above so long as Hild tastemers, cartridges and accessories, or products of the same level of safety and performance, are used.



and regulations governing their use.

actuated Hilti tools:

(Signature of Authorized Instructor)

and regulations governing their use.

Hilti. Outperform. Outlast.

Qualified Operator of Power-Actuated Tools 5488367 This certifies that JOHN ANDERSON (Name of the operator)

has received the prescribed training on the operation of the following power-

actuated Hilti tools: es covered by this card) 88252 h-(Number of Authorized Instructor Card) (Signature of Authorized Instructor)

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Hill fasteners, cartridges and accessories, or products of the same level of safety and performance, are used.

Qualified Operator of Power-Actuated Tools 5488867 This certifies that STEPHEN MEDBERY

(Name of the operator)

has received the prescribed training on the operation of the following power-

actuated Hiltitools (List tools covered by this card) (Signature of Authorized Instructor) (Number of Authorized Instructor Card)

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules and regulations governing their use.

Signature:

Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be sumendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Illifi latterens, cartridges and accessories, or products of the same level of safety and performance, are used.

Hilti. Outperform. Outlast.

Qualified Operator of Power-Actuated Tools 5486867

has received the prescribed training on the operation of the following power-

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules

Signature: ____ Failure to comply with any of the rules and regulations for safe operation of power-actuated tools shall be cause for the immediate revocation of this card, which must be surrendered upon demand to the applicable authority. This authorization is valid for the tools listed above so long as Hild fasteners, cartridges and accessories, or products of the same tevel of safety and performance, are used.

(List tools covered by this card)

This certifies that JOE CALASI (Name of the operator)

Qualified Operator of Power-Actuated Tools 5487867 This certifies that CHRISTOPHER SANTACROCE

has received the prescribed training on the operation of the following power-

Signature:

actuated Hilti tools: on (List tools covered by this card) (Date) 88525 (Signature of Authori

I have received instruction on the safe operation and maintenance of the Hilti power-actuated tools and models specified, and agree to comply with all rules

(Number of Authorized Instructor Card)

Hliti, Outperform, Outlast.

Hilti, Outperform, Outlast,

(Date)

(Number of Authorized Instructor Card)

(Name of the operator)

High performance intumescent firestop sealant FS-ONE MAX

Product description

Intumescent (expands when exposed to fire) firestop sealant that helps protect combustible and non-combustible penetrations for up to 4 hours fire rating

Applications

- Effectively seals most common through penetrations in a variety of base materials
- For use on concrete, masonry and drywall
- Mixed and multiple penetrations
- Metal pipe penetrations
- Insulated metal pipe penetrations
- Plastic pipe penetrations
- Cable bundles and trays
- HVAC penetrations

Advantages

- One product for a variety of common through penetrations
- Cost-effective and easy-to-use solution
- Water-based and paintable
- W-rated systems available
- Ethylene glycol-free
- Industry leading VOC results
- Convenient multi application firestop solution for penetrations



Technical Data*

Chemical basis	Water-based acrylic dispersion
Color	Red
Application temperature	41°F to 104°F
Storage and transportation range	41°F to 77°F
Approx. cure time *	4 mm / 3 days
Shelf life	12 months **
Temperature resistance range	-4°F to 212°F
Mold and mildew performance	Class 0 (ASTM G21-13)
Mold and mildew resistant	Yes
Surface burning characteristics (ASTM E 84-14)	Flame Spread: 0 Smoke Development: 10
Approvals	California State Fire Marshal - in progress
Tested in accordance with	ASTM G21 ASTM E 90 CAN/ULC-S115 UL 1479 ASTM E 814 ASTM E84

* At 75°F (24°C) and 50% relative humidity ** from date of manufacture







Hilti. Outperform. Outlast.



Hilti, Inc. (USA) 1-800-879-8000 | www.us.hilti.com | en español 1-800-879-5000 | Hilti (Canada) Corp. 1-800-363-4458 | www.hilti.ca

Flexible Firestop Sealant (CP 606)

Product description

An acrylic based firestop sealant that provides movement capability in fire rated joints and seals through-penetrations applications

Product features

- Silicone free
- Halogen, asbestos and solvent free
- Paintable
- Tested up to 33% movement with 500 cycles in accordance to UL 2079 and ASTM 1966
- Smoke and fume resistant
- Easy clean up with water
- Single component systems available
- Meets LEED[™] requirements for indoor environmental guality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application

- Sealing construction/expansion joints
- Top-of-wall joints
- Metal pipes
- Cable bundles
- HVAC penetrations

For use with

- Various base materials such as masonry, concrete, gypsum, etc.
- Wall and floor assemblies rated up to 3 hours

Examples

- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Sealing expansion joints to impede the passage of fire, smoke and toxic fumes
- Sealing around HVAC penetrations through fire-rated assemblies



Notice

- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- · Instructions below are general guidelines always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information
- The use of backing material is recommended to control the sealant depth and help ensure assembly seal is complete

Opening

1. Clean the opening. Surfaces to which CP 606 will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of firestop

- 2. Insert fill of mineral wool or backer (as required).
- 3. Apply firestop over backer.
- 4. Smooth firestop sealant with a trowel before the skin forms. Once cured, CP 606 can only be removed mechanically.
- 5. For maintenance reasons, a penetration seal can be

permanently marked with an identification plate and fastened in a visible position next to the seal.

Not for use

On areas immersed in water







1. Clean opening 2. Insert backing material









Fasten identification plate (if required)



Technical Data*	CP 606
Chemical basis	Acrylic based firestop sealant
Color	Available in red, white and gray
Application temperature	40°F to 104°F (5°C to 40°C)
Skin-forming time	Approx. 15 min
Curing time	Approx. 3 mm / 3 days
Average volume shrinkage (ASTM C1241)	22.2%
Movement capability	Approx. 10%
Temperature resistance	–22°F to 176°F (–30°C to 80°C)
Surface burning characteristics (ASTM E 84-96)	Flame Spread: 10 Smoke Development: 0
Sound transmission classification (ASTM E 90-99)	56 (Relates to specific construction)
Tested in accordance with • UL 2079 • ASTM E 814 • ASTM E 84 • UL 1479	• ASTM E 1966 • ASTM G21

*At 73°F (23°C) and 50% relative humidity





Storage

- Store only in the original packaging in a location protected from moisture at a temperature of 40°F to 77°F (5°C to 25°C)
- Observe expiration date on package



plate (if required)





Hilti, Inc. (U.S.) 1-800-879-8000 • www.us.hilti.com • en español 1-800-879-5000 • Hilti Firestop Systems Guide

Firestop Joint Spray (CFS-SP WB)

Product description

A sprayable fire-rated mastic for construction joints where maximum movement is required

Product features

- Sprayable or apply by brush
- Maximum flexibility, meets 500 cycle requirements (Class II and III Approval) (ASTM E 1966 and UL 2079)
- Quick and easy installation with the Titan 600 or 1100 Sprayers can help save you time and money
- Contains no halogens, solvents or asbestos
- Water based formulation so spills and over-spray clean up quickly and easily
- Paintable
- Meets LEED[™] requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

Areas of application

- Top-of-wall joints
- Curtain wall/edge of slab
- Expansion joints

For use with

- Concrete, masonry and gypsum wall assemblies
- Wall and floor/wall assemblies rated up to 4 hours

Fxamples

- Where a gypsum wall assembly meets the underside of a metal or concrete deck
- Where a concrete floor assembly meets with non-rated exterior wall (concrete, glass, etc.)
- Where two concrete floor/wall assemblies meet



Technical Data*	CFS-SP WB	
Density	Approx. 10.8 lb/gal (1.3 g/cm ³)	
Color	Available in red, white and gray**	
Application temperature	39°F to 104°F (4°C to 40°C)	
Temperature resistance	-40°F to 176°F (-40°C to 80°C)	
Consistency	Sprayable liquid	
Chemical basis	Acrylic-water-based-dispersion	
Curing time	Approx. 24 hours @ 73°F, 50% humidity for 1/8" depth	
Average volume shrinkage (ASTM C1241)	51.1%	
Ph-value	Approx. 8-9	
Movement capability	Up to 50%	
Surface burning characteristics (CAN/ULC-S102)	Flame spread: 15 Smoke development: 10	
Sound transmission classification (ASTM E 90-99)	59 (per tested construction type)	
Tested in accordance with • UL 2079 • ASTM E 1966 • ASTM E 84 • ASTM E 2837 • UL 1479 • ASTM E 814 • ASTM E 2307		

*At 73°F (23°C) and 50% relative humidity **Gray color requires six (6) weeks lead time





Installation instructions for Firestop Joint Spray CFS-SP WB

Notice

- Before handling, read Material Safety Data Sheet and product label for safe usage and health information.
- Instructions below are general guidelines always refer to the applicable drawing in the UL Fire Resistance Directory or Hilti Firestop Systems Guide for complete installation information

Opening

1. Clean the opening. Surfaces to which Firestop Joint Spray will be applied should be cleaned of loose debris, dirt, oil, wax and grease. The surface should be moisture and frost free.

Application of Firestop Joint Spray

- 2. Mineral wool packing: Install the prescribed back filling material type and depth to obtain desired rating.
- 3. Application of Firestop Joint Spray: Apply Firestop Joint Spray to the required depth in order to obtain the desired rating. Make sure Firestop Joint Spray contacts all surfaces and overlaps beyond all surrounding surfaces (Refer to UL System). Titan Sprayers have been successful in applying Firestop Joint Spray. Hilti recommends the use of the Titan 600 (for application temperatures above 50°F) or



Firestop Joint Spray may also be brushed on with a paint brush. Contact Hilti Technical Support for more information

- 4. Curing time: Allow approx. 24 hours for typical application thickness (@ 73°F / 23°C) 50% humidity for 1/8" depth for the Firestop Joint Spray to fully cure
- 5. Identification: For maintenance reasons all Firestop Joint Spray applications can be permanently marked with an identification plate and fastened in a visible position next to the seal.

Not for use

- In areas immersed in water
- On hot surfaces (above 176°F)

Storage

- Store only in the original packaging at temperatures 39°F to 77°F (4°C to 25°C)
- Observe expiration date on package

Firestop Spray compressed per UL System

(if required)

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Hilti, Inc. (U.S.) 1-800-879-8000 • www.us.hilti.com • en español 1-800-879-5000 • Hilti Firestop Systems Guide

ROXUL 🖉 SAFE 55

ROXUL SAFE® 55

Metal Building Insulation

Product Description & Application

ROXUL SAFE® 55 is a mineral wool insulation board approved for use in metal building assemblies where a two hour fire resistance rating is required from one side or both sides of the wall.

	Performance	Test Standard
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant	ASTM C612
Reaction to Fire	Flame spread index = 0 ; Smoke developed index = 0 Flame spread index = 0 ; Smoke developed index = 0 Determination of Non Combustibility of Building Materials - Non Combustible Test for Non-Combustibility - Non Combustible ULC 2 hr rated from interior side - W606 ULC 2 hr rated from both sides - W611 UL 2 hr rated from interior side - U655 UL 2 hr rated from both sides - U659 Consult UL and ULC Directories for fire rated designs	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136
Density	Nominal Density, Minimum - 4.5 lbs/ft ³ (72 kgs/m ³)	ASTM C303
Thermal Resistance	R-Value / inch @ 75°F 4.2 hr.ft2.F/Btu RSI value / 25.4mm @ 24°C 0.74 m2K/W	ASTM C518 (C177)
Dimensional Stability	Linear Shrinkage - <1% @ 1200°F	ASTM C356
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed	ASTM C795 ASTM C665
Reaction to Moisture	Moisture Sorption - 0.04% Determination of Fungi Resistance - Passed	ASTM C1104 ASTM C1338
Thickness Dimensions	Product is available in 4" thickness (101.6mm) 24"x48" (610mm x 1219mm), 31.5"x48" (800mm x 1219mm), 32"x48" (813mm x 1219mm)	



Issued 04-01-16 Supersedes 07-05-13 NOTE: *Mast Format 1995 Edition **Master Format 2004 Edition. As ROXUL Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's products. ROXUL Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.



ROXUL INC 8024 Esquesing Line Milton, On. L9T 6W3 tel: 800-265-6878 fax: 800-991-0110 www.roxul.com





UL SYSTEM NO. C-AJ-2109 PLASTIC PIPE THROUGH FLOOR/WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR. OR 3-HR. T-RATING = 0-HR., 2-HR., OR 3-HR. L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT (SEE NOTE NO. 9 BELOW) L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT (SEE NOTE NO. 9 BELOW) W-RATING = CLASS I (SEE NOTES NO. 7 AND 8 BELOW)

 5. HILTI CP 643N OR CP 644 FIRESTOP COLLAR WITH FASTENING HOOKS (SEE TABLE BELOW).
 6. EACH FASTENING HOOK SECURED TO BOTTOM OF FLOOR WITH 1/4" x 1-1/4" LONG STEEL EXPANSION BOLTS, MIN. 0.145" x 1-1/4" POWDER ACTUATED FASTENERS WITH 1-7/16" DIAMETER STEEL WASHER, 1/4" x 1-1/4" HILTI KWIK-CON II+ CONCRETE SCREW ANCHOR, 1/4" x 1-3/4" HILTI KWIK-BOLT 3 STEEL EXPANSION ANCHOR, OR HILTI X-DNI 27 P8 S15 POWDER ACTUATED FASTENER WITH INTEGRATED WASHER.

NOMINAL PIPE DIAMETER	PRODUCT DESCRIPTION	F-RATING
1-1/2"	CP 643 50/1.5" N	3
2"	CP 643 63/2" N	3
3"	CP 643 90/3" N	3
4"	CP 643 110/4" N	3
6"	CP 643 160/6" N	3
8"	CP 644 200/8"	2
10"	CP 644 250/10"	2

NOTES : 1. HILTI FIRESTOP COLLARS, HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT OR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT ARE REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

- 2. MAXIMUM DIAMETER OF OPENING = 12".
- 3. ANNULAR SPACE ON PIPES NOMINAL 6" AND SMALLER = MINIMUM 0", MAXIMUM 1/2".
- 4. ANNULAR SPACE ON PIPES LARGER THAN NOMINAL 6" = MINIMUM 0", MAXIMUM 1-1/4".
- 5. CLOSED OR VENTED PIPING SYSTEM (PVC, ABS, & FRPP = SCHEDULE 40, CPVC = SDR 13.5).
- 6. HILTI FIRESTOP SEALANT IS OPTIONAL ON PIPES HAVING A MAXIMUM DIAMETER OF NOMINAL 6" INSTALLED IN UNSLEEVED OPENINGS.
- 7. W-RATING DOES NOT APPLY IN SLEEVED OPENINGS.
- 8. W-RATING APPLIES ONLY WHEN ANNULAR SPACE IS MINIMUM 0", MAXIMUM 1/2", AND HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT IS USED.
- 9. L-RATING APPLIES ONLY WHEN HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT IS USED.

10. WHEN HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT IS USED, A MINIMUM 1/2" THICKNESS OF MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED IS TO BE INSTALLED WITHIN THE ANNULAR SPACE AND RECESSED FROM THE TOP SURFACE OF CONCRETE FLOOR TO ACCOMMODATE SEALANT.

		Sheet	2 of 2	Drawing No.
	HILTI, Inc. Plano, Texas LISA (800) 879 8000	Scale		CAJ
Hilti Firestop Systems	Hano, Texas 00A (000) 073-0000	Date	June 27, 2018	2109v
Saving Lives through Innovation and Education				













	UL/cUL SYSTEM NO. C-AJ-8143		
MULTIPLE PENETRATION	S THROUGH CONCRETE FLOOR/W	ALL OR BLOCK	WALL
	F-RATING = 2-HR		
	T-RATING = 0-HR		031
			d.01
			143(
			AJ8
			C C
	SEMBLY (2-HP FIRE-RATING)		
	WEIGHT CONCRETE ELOOR (MINIMUM $\Lambda_1/2$		
B LIGHTWEIGHT OR NORMAL	VEIGHT CONCRETE WALL (MINIMUM 5" TH	ICK)	
C ANY UL/CUL CLASSIFIED CO			
2. ONE OR MORE OF THE FOLLOW	ING PENETRATING ITEMS (ITEMS 2-7) AND	IN ANY COMBINATION	ON MAY
BE INSTALLED WITHIN THE OPEN			
	METER STEEL PIPE (SCHEDULE 40 OR HEA		
B. MAXIMUM 24" NOMINAL DIAI	METER CAST OR DUCTILE IRON PIPE.		
C. MAXIMUM 6" NOMINAL DIAM	ETER COPPER PIPE.		
D. MAXIMUM 6" NOMINAL DIAM	ETER STEEL CONDUIT.		
E. MAXIMUM 4" NOMINAL DIAM	ETER EMT.		
3. [OPTIONAL] ANY OR ALL PIPES	(8" OR SMALLER) MAY BE INSULATED WIT	H MAXIMUM 1-1/2" T	ніск
GLASS-FIBER PIPE INSULATION.	,		
4. [OPTIONAL] ANY OR ALL PIPES	(2" OR SMALLER) MAY BE INSULATED WIT	H MAXIMUM 2" THIC	K
GLASS-FIBER PIPE INSULATION	OR MAXIMUM 1" THICK AB/PVC PIPE INSUL	ATION.	
5. MAXIMUM 4" NOMINAL DIAMETE	R CABLE BUNDLE OR INDIVIDUAL CABLE	TO CONSIST OF AN	Y OF THE
FOLLOWING :			
A. MAXIMUM 500 KCMIL SINGLI	E COPPER OR ALUMINUM CONDUCTOR PO	WER CABLE WITH F	PVC
JACKET.			
B. MAXIMUM 300 PAIR NO. 24 A	WG TELEPHONE CABLE WITH PVC JACKE	Г.	
C. MAXIMUM 7/C NO. 12 AWG P	OWER CABLE WITH PVC JACKET.		
D. MAXIMUM 1/2" DIAMETER FI	BER OPTIC CABLE WITH PVC JACKET.		
E. MAXIMUM 3/C NO. 12 AWG S	TEEL CLAD CABLE.		
6. MAXIMUM 3/C NO. 2/0 AWG COPI	PER CONDUCTOR PVC JACKETED ALUMIN	UM OR STEEL CLAD), TECK
90 CABLE.			
7. MAXIMUM 4/C NO. 750 KCMIL AL	UMINUM OR COPPER CONDUCTOR WITH A	LUMINUM OR STEE	L CLAD,
WITH OR WITHOUT PVC JACKET			
8. MAXIMUM 24" x 6" ALUMINUM O	R STEEL OPEN LADDER CABLE TRAY (MA)	(. QIY. = 1). ANY	
COMBINATION OF THE TYPES AN	ID SIZE OF CABLES DESCRIBED IN ITEM NO	U. 5 ABUVE MAY BE	USED.
	CRUSS-SECTIONAL AREA OF TRAT AND HA	AVE A MAXIMUM 3	CABLE
	NE MAY INTI MESCENT EIDESTOD SEALA	LI PAGRED.	
10. WINIWOW 1/2 DEFTH HILLTF3-0	JNE MAX INTOMESCENT FIRESTOP SEALA	NI.	
		Sheet	_
		2 of 3	Drawing No.
	HILTI, Inc.	Scale -	CAJ
Hilti Fireston Systems	Piano, rexas USA (600) 879-8000	Date an 03 2017	81434
mu i nestop systems		Jan. JJ, 2017	U VITUU

Saving Lives through Innovation and Education

UL/cUL SYSTEM NO. C-AJ-8143 MULTIPLE PENETRATIONS THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 2-HR. T-RATING = 0-HR.

CAJ8143d.010317

ANNULAR SPACE	MINIMUM	MAXIMUM
BETWEEN INDIVIDUAL CABLES AND CABLE BUNDLES	1/2"	12"
BETWEEN INDIVIDUAL/BUNDLES CABLES AND OTHER PENETRANTS	1/2"	12"
-EXCEPTION : BETWEEN INDIVIDUAL/BUNDLED CABLES AND COPPER PIPES GREATER THAN 3", STEEL PIPE, IRON PIPE, AND CONDUITS GREATER THAN 4"		12"
BETWEEN INSULATED PIPES	2"	12"
BETWEEN METALLIC PIPES	2"	12"
- EXCEPTION 1) BETWEEN 3" AND SMALLER COPPER PIPES	1/2"	12"
-EXCEPTION 2) BETWEEN 2" AND SMALLER STEEL PIPES AND CONDUITS	0"	12"
-EXCEPTION 3) BETWEEN 4" AND SMALLER STEEL PIPES AND CONDUITS	1/2"	12"
BETWEEN INSULATED PIPES OR CABLE TRAY AND PERIPHERY OF OPENING	1/2"	12"
BETWEEN ALL OTHER PENETRANTS AND PERIPHERY OF OPENING		12"
BETWEEN CABLE TRAY AND ALL OTHER PENETRANTS	3"	12"
		E 49"
II NOTES . T. IVIANIVIUVI AREA OF OFEINING - 1440 SQ. IN. WITH A MANIVIUVI D		F 40 .

NOTES : 1. MAXIMUM AREA OF OPENING = 1440 SQ. IN. WITH A MAXIMUM DIMENSION OF 48". 2. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

Saving Lives through Innovation and Education						
Hilti Firestop Systems	HILTI, Inc. Plano, Texas USA (800) 879-8000	Date	Jan. 03, 2017	8143d		
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		Sheet	3 of 3	Drawing No.		





UL/cUL SYSTEM NO. HW-D-0264				
TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY				
ASSEMBLY RATING = 1-HR. OR 2-HR.	13			
CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION	1023			
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT				
L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT	D02(
	MΗ			
SPEED PLUGS TO BE TIGHTLY BUTTED WITH SEAMS SPACED MINIMUM 24" APART ALONG LENGTH OF				
THE PLUGS (SEE NOTE NO. 5 BELOW).				
3. MINIMUM 2" WIDE, 16 GA., STEEL STRAPS CUT TO A LENGTH TO SPAN THE FLUTE AND OVERLAP THE				
ADJACENT VALLEYS BY 1-1/2". STEEL STRAPS SPACED MAXIMUM 24" ON CENTER AND FASTENED TO				
FLOOR ASSEMBLY WITH APPROPRIATE HILTI ANCHORS (1/4" DIAMETER x 1-1/2" LONG) OR 1" LONG HIL	LTI			
X-U 27 P8S15 POWDER ACTUATED FASTENERS WITH 9/16" DIAMETER STEEL WASHERS.				
4. GYPSUM WALL ASSEMBLY (UL/CUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HR. OR 2-HR.				
5 CEILING RUNNER (MIN 25 GA WITH 2" FLANGES) INSTALLED PARALLEL TO DIRECTION OF STEEL				
FLOOR UNITS AND SECURED TO STEEL STRAPS WITH TWO NO. 8 SFI F-DRILLING. SFI F-TAPPING STEFL	L			
SCREWS PER STRAP.	-			
6. STEEL STUDS (MIN. 2-1/2" WIDE), CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING)			
IN CEILING RUNNER WITHOUT ATTACHMENT.				
7. HILTI CP 767 SPEED STRIPS OR MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COMPRESSED 50% AND				
INSERTED INTO JOINT, FLUSH WITH BOTH SIDES OF WALL.				
MINERAL WOOL AND TO OVERLAP A MINIMUM 1/2" ONTO GVPSUM WALL STEEL STRAPS AND METAL				
DECK.				
NOTES : 1. MAXIMUM WIDTH OF JOINT = 1-1/2".				
2. STEEL FLOOR UNITS MAY BE SPRAYED WITH A MINIMUM 5/16" TO MAXIMUM 1-3/4" THICKNES	ss			
OF UL CLASSIFIED MONOKOTE TYPE MK-6/HY (MANUFACTURED BY W.R. GRACE) OR CAFCO				
TYPE 300 (MANUFACTURED BY ISOLATEK, INT.) FIREPROOFING, PRIOR TO INSTALLATION OF	:			
CEILING RUNNERS.				
3. WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, HILLI FIRESTOP JOINT SPRAY	יינ			
ON BOTH SIDES OF GYPSUM WALL ASSEMBLY	<u>^</u>			
4. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 3. SLOTTED CEILING RUNNERS MAY BE	:			
USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.				
5. AS AN ALTERNATE TO HILTI CP 777 SPEED PLUGS (ITEM 2), MINERAL WOOL SAFING (MIN. 4				
PCF DENSITY) MAY BE CUT TO THE SHAPE OF THE FLUTED FLOOR TO COMPLETELY FILL THE				
FLUTES ABOVE STRAPS. ADJACENT LENGTHS OF SAFING TO BE TIGHTLY BUTTED WITH				
SEAMS SPACED 24" APART ALONG LENGTH OF FLUTES. ALTERNATELY, FLUTE MAY BE				
FILLED WITH FIREPROOFING ABOVE THE STRAPS.				
Sheet 2 of 2 Drawing	No.			
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Tulsa, Oklahoma USA (800) 879-8000	10			
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Saving Lives through innovation and Education				





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UL/cUL SYSTEM NO. HW-D-0460 TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY-RATING = 1-HR. OR 2-HR. CLASS II MOVEMENT CAPABILITIES - 100% COMPRESSION OR 50% EXTENSION

HWD0460d.050712

- 2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- 3. CEILING RUNNER (1-1/2" FLANGES) FASTENED TO UNDERSIDE OF DECK WITH STEEL MASONRY ANCHORS, STEEL FASTENERS, OR WELDS (SPACED MAX. 24" O.C.).
- 4. STEEL STUDS (MINIMUM 3-1/2" WIDE) CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT (SEE NOTE NO. 2 BELOW).
- 5. [OPTIONAL NOT SHOWN] WHEN SPRAY-APPLIED FIREPROOFING IS USED, CEILING RUNNER MAY BE SECURED TO DECK WITH Z-SHAPED CLIPS (MIN. 20 GA.) WITH THE FOLLOWING DIMENSIONS : MINIMUM 1" LONG, BUT NOT EXCEEDING THE WIDTH OF THE WALL, BY 1-1/2" OR 2" LONG UPPER AND LOWER LEGS. SUPPORT CLIPS SPACED MAXIMUM 24" OC.
- 6. 5/8" OR 1-1/4" THICKNESS GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. TOP ROW OF SCREWS SHALL BE INSTALLED INTO STUDS 3-1/2" TO 4" BELOW THE BOTTOM PLANE OF FLOOR/ROOF.
- 7. WALL CLADDING 5/8" OR 1-1/4" THICK GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. CLADDING TO BE BUTTED TIGHT TO VALLEY OF STEEL DECK AND EXTENDING DOWN TO BOTTOM OF THE CEILING RUNNER FASTENED TO CEILING RUNNER 24" C/C.
- WALL CLADDING 5/8" OR 1-1/4" THICK GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. CLADDING TO BE BUTTED TIGHT TO VALLEY OF STEEL DECK AND OVERLAPPING WALL MINIMUM 6-1/2" FASTENED TO CEILING RUNNER 6" C/C.
- 9. HILTI CP 777 SPEED PLUGS FRICTION FITTED TO COMPLETELY FILL FLUTE, FLUSH WITH OUTER SURFACES OF WALL CLADDING (SEE NOTE NO. 5 BELOW).
- 10. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL, OVERLAPPING MINIMUM 1/2" ONTO WALL CLADDING AND METAL DECK.
 - NOTES : 1. MAXIMUM WIDTH OF JOINT = 3/4".
 - 2. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 3, CEILING RUNNERS, MANUFACTURED BY THE STEEL NETWORK, INC., MAY BE USED. WHEN ALTERNATE CEILING RUNNERS ARE USED, CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR INSTALLATION INSTRUCTIONS.
 - 3. STEEL FLOOR UNITS MAY BE SPRAYED WITH A MIN. 5/16" THICKNESS TO MAX. 1-3/4" THICKNESS OF UL CLASSIFIED MONOKOTE TYPE MK-6/HY FIREPROOFING MANUFACTURED BY W.R. GRACE PRIOR TO OR AFTER INSTALLATION OF CEILING RUNNERS.
 - 4. WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, HILTI FIRESTOP SPRAY SHALL OVERLAP THE WALL A MINIMUM 1/2" AND OVERLAP THE FIREPROOFING A MINIMUM 2" ON BOTH SIDES OF GYPSUM WALL ASSEMBLY.
 - 5. AS AN ALTERNATE TO HILTI CP 777 SPEED PLUGS, MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 50% MAY BE USED.

Saving	Lives through Innovation and Educ	ation		
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	HILTI, Inc. Tulsa. Oklahoma USA (800) 879-8000	Scale	-	HWD
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UL/cUL SYSTEM NO. HW-D-1044		
TOP OF WALL JOINT : CONCRETE BLOCK WALL A	ASSEMBLY	
CLASS II MOVEMENT CAPABILITIES - 14% COMPRESSION OF	REXTENSION	00517
FRONT VIEW	SECTION A-	044c.1
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		MIN.I
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$A \triangleleft (2) (3)$		
1. FLOOR OR ROOF ASSEMBLY (2-HR. FIRE-RATING) : A. LIGHT WEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MIN. 2-1/2" THI	CK) OVER METAL D	ECKING
(UL/cUL CLASSIFIED D700 OR D900 SERIES).		
P700 SERIES).		LASSIFIED
2. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :		
B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.	ы с ј.	
3. STEEL ANGLES (MAXIMUM SIZE : 5" x 3" x 12 GA., OR THICKER) CUT MAXIMU TO METAL DECK AT MINIMUM 24" C/C. STEEL ANGLES TO BE STAGGERED O	JM 12" LONG AND F	FASTENED
4. MINIMUM 8" THICKNESS MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COM	IPRESSED 50% AND	D INSERTED
INTO JOINT, BEHIND STEEL ANGLES AND INTO FLUTE.		OVER
MINERAL WOOL AND TO OVERLAP MINIMUM 1/2" ONTO BLOCK WALL, STEEL	ANGLES, AND ME	TAL DECK
UN BUTH SIDES OF WALL ASSEMBLY.		
NOTES : 1. MAXIMUM WIDTH OF JOINT = 3-1/2".		
2. STEEL FLOOR UNITS MAY BE SPRAYED WITH A MINIMUM 5/16" TH THICKNESS OF UL CLASSIFIED MONOKOTE TYPE MK-6/HY FIREPR	IICKNESS TO MAXII OOFING MANUFAC	MUM 1-3/4"
W.R. GRACE & CO.		
3. WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, HILTIF	MINIMUM 2", ON BO	HALL
OF THE WALL.		
	<u> </u>	
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Plano, Texas USA (800) 879-8000	3/32" = 1"	
Saving Lives through Innovation and Educa	Oct. 05, 2017	10446















UL/cUL SYSTEM NO. W-L-7151 INSULATED SHEET METAL DUCT THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR. T-RATING = 0-HR.

- 1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- 2. [NOT SHOWN] WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 3-1/2" WIDE. OPENING TO BE FRAMED OUT WITH STUD MATERIAL.
- 3. MAXIMUM 60" x 36" RECTANGULAR SHEET METAL DUCT CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.
- 4. MAXIMUM 2" THICK GLASS-FIBER DUCT INSULATION (MIN. 3/4 PCF) WITH FOIL-SCRIM-KRAFT FACING (SEE NOTE NO. 2 BELOW). JOINTS SEALED WITH ALUMINUM FOIL TAPE.
- 5. MINIMUM 3-1/2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED, RECESSED TO ACCOMMODATE SEALANT.
- 6. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
- 7. STEEL RETAINING ANGLE (SEE NOTES NO. 3 AND 4, AND TABLE BELOW).

MAXIMU M DUCT DIMENSI ON	DUCT THICKNESS	MAX. INSULATION THICKNESS (ITEM 4)	ANNULAR SPACE (MIN MAX.)	PACKING MATERIAL (ITEM 5) REQUIRED	ANGLE (ITEM 7 REQUIRED)	T-RATING
24 IN. **	24 GA. (OR HEAVIER)	1-1/2"	1/4" TO 1"	NO	NO	0
25" BY 45"	24 GA. (OR HEAVIER)	2"	1/4" TO 3-1/2"	YES	NO	1 OR 2 (SAME AS WALL RATING

NOTE ** INDICATES THAT WHEN MAX. 1-1/2" THICK INSULATION IS USED, STEEL ANGLES ARE OPTIONAL ON THOSE SIDES OF THE DUCT THAT DO NOT EXCEED THE DIMENSION SPECIFIED.

NOTES : 1. MAXIMUM SIZE OF OPENING [FOR STEEL STUD FRAMING] = 63" x 39". MAXIMUM SIZE OF OPENING [FOR WOOD STUD FRAMING] = 14-1/2" x 14-1/2".

2. INSULATION TO BE COMPRESSED MINIMUM 50% SUCH THAT THE ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3-1/2".

3. AFTER SEALING SPACE BETWEEN DUCT AND GYPSUM WALL ASSEMBLY WITH HILTI FIRESTOP SEALANT, FASTEN STEEL ANGLE (MIN. 18 GA. OR 16 GA. WHEN DUCT DIMENSION EXCEEDS 48") TO DUCT, THROUGH INSULATION, WITH 3/4" LONG NO. 8 SHEET METAL SCREWS SPACED 6" C/C. STEEL ANGLE TO OVERLAP DUCT MINIMUM 2" AND GYPSUM WALL ASSEMBLY BY MINIMUM 1". ANGLE DOES NOT HAVE TO BE FASTENED TO GYPSUM WALL ASSEMBLY.



HILTI, Inc. Plano, Texas USA (800) 879-8000

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Saving Lives through Innovation and Education

Asbestos Abatement and Lead Removal Project Monitoring Report

June 22 – June 29, 2020 Hebron Elementary School 92 Church Street, Hebron, Connecticut

Silver Petrucelli & Associates

Hamden, Connecticut

September 4, 2020



Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040



September 4, 2020

Mr. Ryan Haley, Assoc. AIA Silver Petrucelli + Associates 3190 Whitney Avenue, Building 2 Hamden, Connecticut 06518

RE: Asbestos Abatement and Lead Removal Project June 22 – June 29, 2020 Hebron Elementary School, 92 Church Street, Hebron, Connecticut Water Remediation Project Fuss & O'Neill Project No. 20160168.W30

Dear Mr. Haley:

Enclosed please find the report for the asbestos abatement and lead removal project completed at Hebron Elementary School located at 92 Church Street, Hebron, Connecticut.

Additionally, this report is important documentation that must be placed with the Asbestos Hazard Emergency Response Act (AHERA) Management Plan that was generated for the School. A copy should be placed at the School, as well as the central location where the Asbestos Management Plans (AMPs) are stored.

If you have any questions regarding the enclosed report, please do not hesitate to contact me at (860) 646-2469, extension 5585. Thank you for this opportunity to have served your environmental needs.

Sincerely,

146 Hartford Road Manchester, CT 06040

t 860.646.2469

www.fando.com

Massachusetts New Hampshire Rhode Island

800.286.2469 f 860.533.5143

California Connecticut Maine

Vermont

Kathleen C. Pane

Associate

KCP/kr

Enclosure



Table of Contents

Asbestos Abatement and Lead Removal Project Monitoring Report Hebron Elementary School, 92 Church Street, Hebron, CT Silver Petrucelli & Associates

1	Introduction	. 1
2	Scope of Work	. 1
3	Discussion	. 2
4	Conclusion	. 3

Appendices

End of Report

APPENDIX A	- FUSS & O'NEILL LICENSES AND CERTIFICATIONS
APPENDIX B	- CONTRACTOR'S LICENSE & WORKERS' CERTIFICATIONS
APPENDIX C	- CTDPH ASBESTOS ABATEMENT NOTIFICATION FORM
APPENDIX D	- PCM FINAL AIR CLEARANCE REPORTS
APPENDIX E	- FUSS & O'NEILL SITE LOGS
APPENDIX F	- FUSS & O'NEILL SIGN-IN SHEETS
APPENDIX G	- CONTRACTOR SIGN-IN LOGS
APPENDIX H	- CONTRACTOR DAILY LOGS
APPENDIX I	- CONTRACTOR PERSONAL AIR SAMPLE RESULTS
APPENDIX J	- TCLP LEAD LABORATORY RESULT AND CHAIN OF CUSTODY FORM
APPENDIX K	- FINAL VISUAL INSPECTION FORMS
APPENDIX L	- WASTE SHIPMENT RECORDS



1 Introduction

Fuss & O'Neill, Inc. (Fuss & O'Neill) was retained to provide asbestos abatement and lead removal project monitoring services at the Hebron Elementary School located at 92 Church Street, Hebron, Connecticut (the "Site"). Asbestos abatement was necessary due to the water remediation project. The work occurred from June 22 to June 29, 2020. Please refer to *Appendix A* for the Fuss & O'Neill Licenses and Certifications.

Project specifications were prepared by Fuss & O'Neill and provided under separate cover. The General Contractor was Nutmeg Companies, Inc. of Norwich, Connecticut. The Asbestos Abatement Contractor was Selective Service, LLC of Manchester, CT (the "Contractor"). Please refer to *Appendix B* for the Contractor's License and Contractor's Workers' Certifications. Despite requests to the Contractor, the respirator fit tests for the workers were not provided.

The Contractor filed an Asbestos Abatement Notification with the State of Connecticut Department of Public Health (CTDPH) prior to the commencement of abatement activities; these can be found in *Appendix C*.

All abatement work was conducted while no person at or under eighteen years of age was allowed into the building. All entrances to the building were posted with signs stating that asbestos abatement activities were underway, and no one under 19 years of age is allowed into the building.

Following the completion of final cleaning and encapsulation of the work area, aggressive Phase Contrast Microscopy (PCM) final air clearance sampling was performed inside the work areas to comply with state and federal regulatory requirements. PCM air samples were analyzed by a trained Asbestos Project Monitor listed on the Asbestos Analyst's Registry (AAR) maintained by the American Industrial Hygiene Association (AIHA). Please refer to *Appendix D* for the PCM Final Air Clearance Reports.

Pre-sealant inspections were also conducted to verify that the work area met the no visible dust criteria prior to conducting final air clearance. Please refer to *Appendix E* for the Fuss & O'Neill Site Logs and *Appendix F* for the Fuss & O'Neill Sign-In Sheets. In addition, Fuss & O'Neill was provided copies of the Contractor's Sign-In Logs (*Appendix G*), Daily Logs (*Appendix H*), and Personal Air Sample Results (*Appendix I*); however, the results were not calculated and shown on the Contractor's Personal Air Sample Results.

2 Scope of Work

The scope of the abatement work included the removal and disposal of the asbestos-containing material (ACM) and lead containing material listed for each of the following locations summarized in Table 1 below:



Removal Location	Material Removed	Quantity Removed
Girls' and Boys' Lavatory – 1963 Wing – Toilet 57 and 59	Asbestos-Containing White Caulk at Counter/Ceramic Wall Tile Junction	40 LF
Classrooms 5, 6, 7, and 8 – 1957 Wing	Asbestos-Containing Air Cell Pipe Insulation and Fittings	8 LF
Girls' and Boys' Lavatories – 1947 Wing – Toilet 08 and 09 1963 Wing – Toilet 66, 67, 57 and 59	Asbestos-Containing Pipe insulation in Wet Walls	125 LF
Girls' and Boys' Lavatories – 1947 Wing – Toilet 08 and 09	Lead Containing Black 4" Ceramic Wall Tile Cove Base	All
Girls' and Boys' Lavatories –1963 Wing – Toilet 57, 59, 66 and 67	Lead Containing Pink and Blue 4" Ceramic Wall Tile	All
Throughout Where Needed for to Accommodate Work	Lead Soldered Plumbing Lines	Unknown

 Table 1

 Summary of Asbestos and Lead Removal Work Areas and Inspection Duties

3 Discussion

The Contractor conducted exploratory demolition within the wet walls associated with the 1963 Wing Girls' and Boys' Lavatories (Toilets 57 and 59) and reported that suspect asbestos-containing pipe insulation was not observed in the wet walls; therefore, pipe insulation abatement specified for this area was not necessary. Asbestos-containing pipe insulation in the Classrooms was approximately 1 foot long at the sink plumbing penetration through to the crawlspace; therefore, glove bag removals were performed in each function classroom space. The total quantity removed was approximately 4 LF, not 8 LF as originally specified.

The Contractor performed exploratory demolition and pipe insulation was found in 1947 Wing Toilet 08, but not 09. In addition, pipe insulation was not found in 1963 Wing Toilet 66 and Toilet 67. A total of 38 LF of asbestos pipe insulation was abated, not 125 LF as originally specified.

Vermiculite insulation assumed to be asbestos contaminated was discovered by the Contractor within an electrical closet in the 1988 Wing within a wall cavity that required partial removal for the work scope. The Contractor constructed an asbestos abatement work containment and removed 15 SF of vermiculite insulation and associated contaminated debris. This was not identified in the original scope of work.

Blue ceramic wall tile associated with the 1963 Wing Toilet 72 required demolition. This ceramic tile had not been tested for lead content by x-ray fluorescence (XRF) analyzer by Fuss & O'Neill as part of our inspection. The tile was XRF tested and found to contain lead, i.e. greater than 1.0 mg/cm². The lead containing tile was removed within a containment. Fuss & O'Neill was not contacted for this work and did not witness the removal or conduct a final visual inspection prior to the containment being removed from the area. Fuss & O'Neill collected a representative sample of the ceramic tile and submitted the sample for Toxicity Characteristic Leaching Procedure (TCLP) lead sampling at EMSL Analytical, Inc. According to the laboratory analytical results the sample was reported to leach lead less than 5.0 mg/L



(<4.0 mg/L) and therefore supported disposal of the material as regular construction debris. Refer to *Appendix J* for a copy of the TCLP Lead Laboratory Result and Chain of Custody Form.

Table 2 below summarizes the abatement locations, material type, and quantity abated as well as the final visual inspection date and when re-occupancy final clearance was conducted.

Summary of Asb	Summary of Asbestos and Lead Removal Work Areas and Inspection Duties			
Abatement Location	Material Type	Quantity Abated	Final Visual Inspection Date	Final PCM Air Clearance Date
Boys' Lavatory–1963 Wing– Toilet 59	Asbestos-Containing White Caulk at Counter/Ceramic Wall Tile Junction	20 LF	6/22/20	6/22/20
Girls' Lavatory–1963 Wing– Toilet 57	Asbestos-Containing White Caulk at Counter/Ceramic Wall Tile Junction	20 LF	6/22/20	6/22/20
Classrooms 5, 6, 7, and 8–1957 Wing	Asbestos-Containing Air Cell Pipe Insulation and Fittings	4 LF	6/25/20	Only visual – glove bags
Boys' Lavatory–1947 Wing– Toilet 08	Asbestos-Containing Pipe insulation in Wet Walls	15 LF	6/25/20	6/25/20
1988 Wing–Electrical Closet	Assumed Asbestos Contaminated Vermiculate Wall Insulation	15 SF	6/25/20	6/25/20
Girls' and Boys' Lavatories– 1947 Wing–Toilet 08 and 09	Lead Containing Black 4" Ceramic Wall Tile Cove Base	All	6/25/20	Only visual noted in logs
Girls' and Boys' Lavatories – 1963 Wing–Toilet 57, 59, 66 and 67	Lead Containing Pink and Blue 4" Ceramic Wall Tile	All	6/22/20	Only visual noted in logs

 Table 2

 Summary of Asbestos and Lead Removal Work Areas and Inspection Duties

4 Conclusion

All work areas passed pre-sealant visual inspections prior to work area encapsulation by the Contractor. Following encapsulation in asbestos abatement work areas, aggressive final air clearance sampling by PCM was conducted in accordance with the requirements of the CTDPH Standards for Asbestos Abatement (19a-332a-1 through 19a-332a-16) and the EPA Asbestos Hazard Emergency Response Act (AHERA) Regulation (40 CFR Part 763 Final Rule and Notice). All asbestos abatement work areas passed final air clearance. Please refer to *Appendix K* for a copy of the Final Visual Inspection Forms.



A copy of the Waste Shipment Records was provided by the Contractor and can be found in *Appendix* L.

Sincerely:

Kathleen C. Pane Associate



Appendix A

Fuss & O'Neill Licenses and Certifications

1000070 SP

106-1

CO1 P00072 1



SCOTT M. MOSSEY 146 HARTFORD RD C/O FUSS O'NEIL MANCHESTER CT 06040-5992

Dear SCOTT M. MOSSEY,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 M.S.#12MQA Hartford, CT 06134-0308 (860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

DEIDRE S. GIFFORD, MD, MPH, ACTING COMMISSIONER DEPARTMENT OF PUBLIC HEALTH



	EMPLOYER'S COPY	
SL	ATE OF CONNECTION	СИТ
DEPAI	RTMENT OF PUBLIC H	EALTH
	NAME	
	SCOTT M. MOSSE	Y
VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-821438	000295	04/30/21
	PROFESSION	
/ ASBESTO	S CONSULTANT-PROJECT	MONITOR
	/	
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INSTRUCTIONS:

17

1. Detach and sign each of the cards on this form

Display the large card in a prominent place in your office or place of business.
 The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.

4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

	WALLET CARD	
ST/ DEPAI	ATE OF CONNECT	ICUT HEALTH
	NAME	
	SCOTT M. MOSSE	Y
VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-821438	000295	04/30/21
	PROFESSION	
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Certificate of Training Avandet to Avandet to Avandet to Avandet to Avandet to Avandet to Avandet to Scott Mossey J157 (DOB 4/1/10) For successful combelion of a 40 Hour, 5 Day J157 (DOB 4/1/10) For successful combelion of a 40 Hour, 5 Day D157 (DOB 4/1/10) For successful combelion of a 40 Hour, 5 Day To avandet to For Supervisors Avandet for Superviso	Certificate of Training Awarded to Scott Mossey	For successful completion of a 40 Hour, 5 Day Principles and Practices of Asbestos Abatement Course for Asbestos Supervisors June 16 - 20, 1997	Required by OSHA and the EPA Revised MAP for accreditation under the TSCA Title 11 as self -certified by Trainer 4/4/94 <i>Presented by</i> Mystic Air Quality Consultants, Imc. 1204 North Road, Groton, Connecticut	Certificate Number: 1125 P&P Exam Grade: 99% Expiration Date: 6/20/98 Christopher J. Eident, CIH, CSP, RS George Williamson, Training Director	
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George Williamson, Traming Director Richard Haffey, Training Director

Expiration Date: 12/05/2020 Kichoud Uchry

Exam Date: 12/05/2019

Terdag

Christopher J. Eident, CIH, CSP, RS

1204 North Road, Groton, CT 06340 (800) 247-7746 **Exam Grade: 100** Certificate Number: APM/R27900

requirements for the EPA Revised MAP under TSCA Title II of 4/4/94 This training was approved and given in accordance with RCSA 20-440 - 1-9 and RCSA 20-441 and meets the **Regulations for Connecticut State Agencies**

Mystic Air Quality Consultants, Inc. Presented by

Asbestos Project Monitor Refresher Course

DECEMBER 3 & 5, 2019

For successful completion of an 8 (eight) hour

SCOTT MOSSEY

and course approval by the CT DPH.

This program was presented at the offices of Fuss and O'Neill Inc, in Manchester CT with the prior site

Awarded to

Certificate of Training

	CONNECTICUT OCCUPATIONAL MEDICINEPARTNERS, LLCSt. Frands/ArtfordSt. Frands/WirdsorMed/Works/BitstolMed/Works/BitstolCorpCare/SWindsorSt. Francis/Torrington114 Woodard Street100 Deerfield RoadSt. Frands/WirdsorMed/Works/BitstolMed/Works/NewlingtonCorpCare/SWindsorSt. Francis/Torrington144 Woodard Street100 Deerfield RoadSt. Francis/TorringtonSt. Francis/TorringtonSt. Francis/TorringtonSt. Francis/Torrington860-714-9444860-889-0114860-889-0114860-667-4418South Windsor, CT 06074St. Francis/TorringtonFAX 880-714-8068FAX 880-714-8900FAX 860-589-1996FAX 880-667-1503FAX 860-667-3945FAX 860-482-3867
	Job Placement Examination Recommendations
	NAME: Scott Mossey DATE: 64000
	COMPANY: <u>Fuss Oreal</u> PROSPECTIVE JOB: ENV. Jech
	TYPE OF EXAMINATION:
	Pre Placement Return to Work Periodic Fitness for Duty
,	The above named employee/applicant has been physically examined and pertinent medical history has been reviewed. Based upon this health assessment and knowledge of the job requirements as provided by the employer as described by the applicant, the following recommendations are made.
/	No work restrictions. The employee is medically qualified to perform all necessary job functions safely under the indicated working conditions and environment.
	Medically qualified to perform all necessary job functions safely under the indicated working conditions and environment, provided the restrictions listed below can be accommodated, and/or the recommendations listed below can be accommodated.
	Not medically qualified for the prospective job for which he/she has been examined. Reasons
	RESTRICTIONS, RECOMMENDATIONS, COMMENTS:
	11111 114 12
	DATE: PHYSICIAN: SIGNATURE:

X



2800 Tamarack Ave., Suite 001 South Windsor, CT 06074 Phone: (860) 647-4796 Fax: (860) 644-0287

RESPIRATOR CLEARANCE FORM

	Satt Mose
Employee Name:	(dillas
Date of Evaluation:	$-\frac{qq}{6}$
Employer:	russ concert
Consistent with OSE to use an industrial	IA standard 29 CFR 1910.134(e), the above named employee has been evaluated for ability respirator. This evaluation was based upon:
□ Review of Medical (□ Review of Medical (Questionnaire, adapted from 29 CFR 1910.134, Appendix C. Questionnaire <u>and</u> follow-up examination.
 All of the below N, R or P disposabl Half-facepiece cartri Full-facepiece cartri Supplied air (airline Self-contained breat 	e respirators (filter-masks, non-cartridge type) idge respirators dge respirators e) respirators thing apparatuses
□ Other:	
The share set of share so that	
The energy is the	CorpCare physician or licensed health care professional:
Line employee is <u>P is</u>	$/ \square$ <u>is not</u> medically able to use the above-cited respirator(s) without limitations.
Limitations on the emj	ployee's respirator use related to his medical condition are:
Ulyone, or U	
Limitations on the emp	loyee's respirator use related to workplace conditions in which the respirator will be used are:
UNone, or U	
Further medical evaluat	ions \Box are / \Box are not required. Required additional medical evaluations are:
NOPTTS-101	SUS PET 4(B/19 NML
	Signature



Fors & O'Neill, Inc. 146 Hartford Road, Manchester, CT 06040 Phone: (860) 646-2469; Fax: (860) 649-6883

QUALITATIVE" FIT TEST RECORD EMPLOYEE INFORMATION Scott Mossey Due of Birth: 04/07/1970 Name ____ Date of Last Polmonary Function Test: Passed Palled RESPIRATOR(S) FIT TESTED Manufacturer Mbr U 1/2 Face Type: 7700-306 Modeli las Size Approval Number: TEST AGENT AND RESULTS OF TEST Thinant Smoke Scenario Acetate Saccharin Aerosol Failed Passed Comments: TEST ADMINISTRATOR Date: ______ Le / 1/2020 Next Test Due Date: ______ Le / 1/2021 Name: STACY VANDERVER Signature: Z

*Qualitative fit tests are valid for contaminant exposure levels less than ten (10) times the respective occupational exposure limit.



40 Hour Asbestos Abatement Supervisor/Contractor Training Asbestos Accreditation Under TSCA Title II 40SS-2452 CERTIFICATE OF ACHIEVEMENT May 17, 1996 Certificate Number Regional Manager Examination has successfully completed the Con-Test/ATC Environmental, Inc. East Longmeadow, MA 01028 (413) 525-1198 40 CFR Part 763 **Paul Bateman** This certifies that 39 Spruce Street conducted by Bacon May 13 - 17, 1996 Date of Course May 17, 1997 er h Principal Instructor



George Williamson, Training Birector Richard Haffey, Training Director

Expiration Date: 12/05/2020 Richard Neffer

Christopher J. Eident, CIH, CSP, RS

Exam Date: 12/05/2019

Terder

1204 North Road, Groton, CT 06340 (800) 247-7746 **Exam Grade: 100**

Mystic Air Quality Consultants, Inc.

Presented by

Certificate Number: APM/R27897

This training was approved and given in accordance with **Regulations for Connecticut State Agencies**

DECEMBER 3 & 5, 2019

Asbestos Project Monitor Refresher Course

For successful completion of an 8 (eight) hour

PAUL BATEMAN

and course approval by the CT DPH.

offices of Fuss and O'Neill Inc, in This program was presented at the

Manchester CT with the prior site

Awarded to

Certificate of Training

requirements for the EPA Revised MAP under TSCA Title II of 4/4/94 RCSA 20-440 - 1-9 and RCSA 20-441 and meets the

	CONNECTICUT OCCUPATIONAL MEDICINE PARTNERS, LLC St. Frands/Hattori 114 Woodard Steet Heatbord, CT06105 860-714-0270 FAX 860-714-0260 Heatbord, CT06095 860-714-0270 FAX 860-714-0260 Heatbord, CT06095 860-714-0270 FAX 860-714-0200 FAX 860-714-0200 FAX 860-714-0200 FAX 860-71503 FAX 860-667-1503 FAX 860-
	Job Placement Examination Recommendations
	NAME: Paul Baternan DATE 9/4/19
	COMPANY: TUSS Env. PROSPECTIVE JOB: Environ
	TYPE OF EXAMINATION:
	Pre Placement Return to Work Reriodic Fitness for Duby
	 as provided by the employer A as described by the applicant, the following recommendations are made. No work restrictions. The employee is medically qualified to perform all necessary job functions safely under the indicated working conditions and environment. Medically qualified to perform all necessary job functions safely under the indicated working conditions and environment, provided the restrictions listed below can be accommodated, and/or the recommendations listed below can be satisfied. Not medically qualified for the prospective job for which he/she has been examined. Reasons are listed below.
	RESTRICTIONS, RECOMMENDATIONS, COMMENTS:
2	

aceived Fax :	Sep 17 2019 11:19AM Fax Stati	on : FUSS & ONEILL	p., 2
Sep. 17. 20	19 11:00AM		No.0669 P. 2
а Есн _М С	OrpCare		2800 Tamatack Ave., Suite South Windsor, CT 06074 Phone: (860) 647-4796 Fax: (860) 644-0287
	RESPIRATOR	CLEARANCE FOR	M
Employee Nar Date of Evalu Employer:	ne: Paul Ba- ation: 914109 FUSS (Poviro	
Consistent wi to use an indu	th OSHA standard 29 CFR 1910.134(e Istrial respirator. This evaluation was	e), the above named employe s based upon:	e has been evaluated for ability
Review of M	edical Questionnaire, adapted from 29 C edical Questionnaire <u>and</u> follow-up exam	FR 1910 134, Appendix C ination.	
All of the be N, R or P dis Half-facepied Full-facepied Supplied air	low sposable respirators (filter-masks, non-car se cartridge respirators se cartridge respirators (airline) respirators ed breathing apparatuses	tridge type)	. '
🗌 Other:			-
In the opinior	of the CorpCare physician or license	d health care professional:	
The employee i	s $\mathbb{B}_{\underline{is}} / \square \underline{is not}$ medically able to use t	he above-cited respirator(s) wit	thout limitations.
Limitations on \square None, or \square	the employee's respirator use related to h	is medical condition are:	
Limitations on	the employee's respirator use related to wo	rkplace conditions in which the	respirator will be used are:
Further medical	evaluations \Box are $/D^{are}$ are not required	, Required additional medical	evaluations are:
-			
	Additional recommendation	s are on the reverse of this d	ocument.
		Daudul Do	9/4/19

WHITE - Chart

YELLOW - Company

PINK - Patient



Fuss & O'Neill, Inc. 146 Hartford Road, Manchester, CT 06040 Phone: (860) 646-2469; Fax: (860) 649-6883

QUALITATIVE* FIT TEST RECORD

EMPLOYEE INFORMATION						
Name: Paul B	sa tenan	Date of Birth: _	09/29/66			
Date of Last Pulmonar	y Function Test: 94	II9 XPas	sed 🔲 Failed			
RESPIRATOR(S) FI	T TESTED					
Manufacturer:	North		÷;			
Туре:	1/2 Face					
Model:	7700-30M					
Size:	Medium					
Approval Number:			·			
TEST AGENT AND	RESULTS OF TEST					
Irritant Smoke	Isoamyl Acetate		narin Aerosol			
Passed	Failed Comments:					
	<u></u>					
TEST ADMINISTRATOR						
Name: Ulkens	AnguSTE	Date:	10/4/19			
Signature: Ulkur	-August	Next Test Due I	Date:			

*Qualitative fit tests are valid for contaminant exposure levels less than ten (10) times the respective occupational exposure limit.

.



Appendix B

Contractor's License and Workers' Certifications





State of Connecticut

Lookup Detail View

Name

Name

SELECTIVE SERVICE LLC

License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status		Licensure Actions or Pending Charges
Asbestos Contractor	655	07/31/2020	07/23/2012	SELECTIVE SERVICE LLC	ACTIVE	CURRENT	None

Generated on: 8/10/2020 2:27:38 PM

EMPLOYER'S COPY STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH ----NAME SHAUN M MICHAUD CERTIFICATE NO. CURRENT THROUGH 006576 09/30/20 VALIDATION NO. 03-779565 45 PROFESSION ASBESTOS ABATEMENT SUPERVISOR Commissioner SIGNATURE


Certificate of Training Awarded of Amining Awarded to Awarded to SHAUN MICHAUD For successful completion of a 8 (eight) Hour For successful completion of a 8 (eight) Hour Asbestos Site Supervisor Refresher Course IANUARY 21.2020	This training was approved and given in accordance with Regulations for Connecticut State Agencies RCSA 20-440 - 1-9 and RCSA 20-441 and meets the RCSA 20-440 - 1-9 and RCSA 20-441 of 4/4/94. RCSA 20-440 - 1-9 and RCSA 20-441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94. <i>Presented by</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>Presented NAP under TSCA Title II of 4/4/94.</i> <i>Presented by</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>RCSA 20-440 - 1-9 and RCSA 20-441 and meets the</i> <i>Resented by</i> <i>Resented by</i> <i>Resented by</i> <i>Represented by <i>Represented by <i>R</i></i></i></i></i></i></i></i></i>	
--	--	--



DOB: 09/20/1978

Service Date: 07/15/2019

Concentra Medical Centers (CT) 701 Main Street EAST HARTFORD, CT 06108 Phone: (860) 289-5561 Fax: (860) 291-1895

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134. (La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee <u>may</u> wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarkation *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación Indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobre las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se Indíque lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiere una nueva autorización médica para respiradores.)

Disposable N, P or R. 95, 99 or 100 filtering face piece (Desechable pieza facial filtrante)

Half face respirator with particulate gas/vapor cartridges (Respirador de media cara con cartuchos de particulas de gas / vapor)

Full face respirator with particulate gas/vapor cartridges (Respirador de cara completa con cartuchos de gas / vapor de particulas)

[] Self contained breathing apparatus (SCBA) (Un equipo de respiración autónomo)

Supplied air (loose fitting) (Aire suministrado (ajuste suelto))

The employee may not wear a respirator. (El empleado no puede usar un respirador.)

_____The following restrictions or limitations are indicated: (Se indican las siguientes restrictiones o limitationes)

[] Positive air purifying respirator (PAPR). (Respirador purificador de aire positivo)

[] No emergency response or immediately dangerous to life and health (IDLH) work

(Trabajo sin respuesta de emergencia o peligro Inmediato para la vida y la salud

[] Other (otro):____

The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement: (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

Kin person (En persona)

[] In writing (Questionnaire review only, without the employee present) (escrito (solo una revisión del Cuestionario, empleado no presente))

This medical evaluation expires on (Esta evaluación médica expira el):

_ Comments: (Comentarios)

- [] Eyewear conversion kit needed. (Se necesita un kit de conversión de gafas.)
- Facial hair needs to be shaved to assure a tight seal on tight fitting masks.

(El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)

[] Other (otro): _

Clinician name printed

Clinician Signature

2020

Date

121 SPCLEAREXAM-2

EasyOne™ DIAGNOSTIC 6.7 © ndd 2000-2010 SN 111890 RecNo 55 05/22/2018 01:04pm

Name	MICH	AUD			Test Dat	e/Time	
ID	0496	89421			Post Tim	Ie	
Age	39				Test Mo	de	
Height	5ft 1	0 in			Interpret	ation	
Weight	1601	bs,BMI 23.2			Predicte	d Ref	
Gender	MAL	E			Value Si	elect	
Ethnic	CAU	CASIAN			Tech ID		
Smoker	YES				Automai	ed QC	
Asthma	NO				BTPS (I	N/EX)	
Test Results	Your	FEV1 is 929	% Predicted	Your Luna A	de is 51		
	Pre-Test			, ear ann gri	94.55.		
Parameter	Best	Trial7	Trial8	Trial2	Pred	%Pred	
FVC[L]	5.03	5.03	4.37	4.06*	5.26	95	
FEV1[L]	3.86	3.86	3.34*	3.39*	4.20	92	
FEV1/FVC[%]	76.8	76.8	76.6	83.4	80.0	96	
PEF[L/min]	516.8	516.8	412.7*	479.0	607.2	85	
FEF25-75[L/s]	3.39	3.39	2.91	3.28	3.99	85	
FET[s]	8.25	8.25	7.16	5.56		-	
* Indicates Below L	LN or Significan	t Post Chan	ge				

Pre-Test FEV1 Var=0.47L 12.2%; FVC Var=0.66L 13.1%; Session Quality D Interpretation Normal Spirometry

Caution: Maneuvers Not Reproducible - Interpret With Care.

Patient Information



Test Information

05/22/2018 01:03pm

DIAGNOSTIC GOLD/Hardie NHANES III BEST VALUE

ON ---/ 1.02

05/22/18 N

1000474 SP 1264 -C01-P00476-1



STEVEN J MICHAUD 338 GOODWIN ST EAST HARTFORD CT 06108-1214

Dear STEVEN J MICHAUD,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health P.O. Box 340308 **M.S.#12MQA** Hartford, CT 06134-0308

(860) 509-7603 oplc.dph@ct.gov www.ct.gov/dph/license

Sincerely,

Milchell

RENÉE D. COLEMAN-MITCHELL, MPH, COMMISSIONER DEPARTMENT OF PUBLIC HEALTH

	EMPLOYER'S COPY	and a second
ST.	ATE OF CONNECTI	CUT
DEPA	RTMENT OF PUBLIC I	HEALTH
	NAME	
10 mar 10 1	STEVEN J MICHAL	JD
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-768343	006260	09/30/20
	PROFESSION	
ASBE	STOS ABATEMENT SUPE	RVISOR
1 101 1		
SALL	00	100.
		Africantitchell

Display the large card in a promisent place in your office or place of business.
 The wallet card is for you to carry on your person. If you do not wish to carry the wallet

eard, place it in a secure place. 4. The employer's copy is far persons who must demonstrate eurrent licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the

employer and kept by them as a part of your personnel file. Only one copy of this card can

INSTRUCTIONS:

he supplied to you.

SIGNATU

÷-

1. Detach and sign each of the cards on this form

STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT THE INDIVIDUAL NAMED BELOW IS CERTIFIED BY THIS DEPARTMENT AS A ASBESTOS ABATEMENT SUPERVISOR

STEVEN J MICHAUD

CERTIFICATE NO. 006260

CURRENT THROUGH 09/30/20

VALIDATION NO. 03-768343

SIGNATURI

COMMISSIONER

	WALLET CARD	
ST.	ATE OF CONNECTI	ICUT
DEPA	RTMENT OF PUBLIC I	HEALTH
	NAME	
	STEVEN J MICHAL	JD
VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-768343	006260	09/30/20
	PROFESSION	
ASBE	STOS ABATEMENT SUPE	RVISOR
11-01	1	
-ALLI	1 00	100
the second se		

COMMISSIONER

SUPERIOR SUPERIOR SUPERIOR SUPERIOR SUPERIOR Committed to a Clean Environment Committed to a Clean Environment Committed to a Completion Awarded to Steven Michaud DOB 09-20-1986) Has completed a 40 Hour 5 Day Approved Course of Instruction in Aspestos Abatement Removal and Disposal (AARD) Supervisor Initial Training November 14 - November 18, 2016 Required by OSHA and the EPA Revised MAP for accreditation under the TSCA Title 11 as self-certified by Trainer 8/5/97	19a-332-21 tamination Date: November 18, 2016 piration Date: November 18, 2017 ertificate Number:ASI-SM-09-20-86-16 arl R. Clark, Training Director
Superior Suburstices Inburstices Committed to a Clean Environment Committed to a Clean Environment Committed to a Clean Environment Committed to a Clean Environment Committed to a Clean Environment Steven Michaud	rainer 8/5/97 19a-332-21
	urse of Instruction in posal (AARD) ing '8, 2016 for accreditation under
SUPERIOR INDUSTRIES L.L.C Committed to a Clean Environ Contribution Awarded to Awarded to Awarded to DOB 09-20-1986) Has completed a 40 Hour 5 Day Approved Co Asbestos Abatement Removal and Dis Supervisor Initial Traini November 14 – November 1 Required by OSHA and the EPA Revised MAP	NOV 100 813

Certificate of Training Availation Availation For successful completion of a 8 (eight) Hour For successful course ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY 21, 2020 This training was approved and grven in accordance ANDARY

701 Main Street EAST HARTFORD	ters (CT) 0, CT 06108	
		EVALUATION
EMPLOYER AUTHORIZATION AND INFORMAT	Address:	
MPLOYER TO COMPLETE THE FOLLOWING .	338 Goodwin Street	
ipioyee Name: Michaud, Sleven	E HARTFORD	CT 06108
nniover Selective Service LLC	Employee SSN: XXX-XX-6976	
Ineck Type of Respirator(s) To Be Used (Check Air-purifying (non-powered) Air-purifying (powered) Atmosphere supplying Respirator Combination air-line and SCBA Continous-Flow Respirator Continous-Flow Respirator	Extent of Useage Check ✓ALL On a daily basis Total H Occasionally - but not more the Rarely - or for Emergency situa Expected Physical Effort Require	that apply) ours an twice a week Total Hou ations only Total Hours d (Check ALL that apply)</td
Supplied-Air Respirator	Light Moderate	Heavy
Open Circuit SCBA Closed Circuit SCBA Drust Maak T1/2 Face with Canisters Full Face with Canisters	Exposure to Hazardous Materials	(Check VALL that apply)
Alake:	Arsenic Coke Oven Cadmium Methylene Chloride Textiles Other(s):	Benzene Cotton Seed / Dust Formaldehyde Lead Chromium
	EVALUATION AUTHORIZATION B	Y:
uestionare will be: HAND CARRIED MALED DOTTER		Signature of Employer Representative
PHYSICIAN WILL COMPLETE THE FOLLOWING This report may contain confidential medical information and is intended for the designated empl ADA) imposes very strict limitations on the use of information obtained during physical examinar ADA) imposes very strict limitations on the use of information obtained during physical examinar	loyer contact only. The Americans with Disabiliti tion of qualified individuals with disabilities. All i confidential medical record with the following (es Act nformation exceptions:
PHYSICIAN WILL COMPLETE THE FOLLOWING This report may contain confidential medical information and is intended for the designated empi ADA) imposes very strict limitations on the use of information obtained during physical examina nust be collected and maintained on seperate forms, in seperate files, and must be treated as a • Supervisors and managers may be informed about necessary restrictions on the work or dut • First aid and safety personnel may be informed, when appropriate, if the disability might requ Based upon my findings, I have determined that this individual [Check Class I - No Restrictions on Respirator Use Class II - Some Specific Use Restrictions To be used for Emergency Respond Class III - Respirator Use is NOT PERMITTED Fit Test Performed Unsatisfactorily Fit Test Performed Unsatisfactorily Fit Test NOT Performed at: Concert Special prescription eyewear needed to accommodate respirator Special fair needs to be shaved to assure tight seal on certain face masks. Physician or other Licensed Healthcare Professional	loyer contact only. The Americans with Disabiliti tion of qualified individuals with disabilities. All i confidential medical record, with the following i ties of an employee and necessary accommoda uire emergency treatment. (y) ers (CT) prior to respirator approve rese or Escape Only Other: other: I prescription eyewear needed to accommodate execut to Concentra Medical Centers	es Act nformation axceptions: tions. al and usage. respirator respirator
PHYSICIAN WILL COMPLETE THE FOLLOWING This report may contain confidential medical information and is intended for the designated empi (ADA) imposes very strict limitations on the use of information obtained during physical examina must be collected and maintained on seperate forms, in seperate files, and must be treated as a • Supervisors and managers may be informed about necessary restrictions on the work or dut • First aid and safety personnel may be informed, when appropriate, if the disability might requipate must schedule a medical examination with Concentra Medical Centre • Class I - No Restrictions on Respirator Use • Class II - Some Specific Use Restrictions To be used for Emergency Respon • Class II - Respirator Use is NOT PERMITTED • Firt Test Required Pit Test NOT Performed Satisfactorily • Fit Test Performed Unsatisfactorily Fit Test NOT Performed at: Concentra Co	Ioyer contact only. The Americans with Disabilitition of qualified individuals with disabilities. All is a confidential medical record, with the following in the soft of an employee and necessary accommodation emergency treatment. (intermedical record, with the following intermediation emergency treatment. (intermedical conters) accommodation environment of the soft	es Act nformation axceptions: tions. al and usage. respirator respirator
PHYSICIAN WILL COMPLETE THE FOLLOWING This report may contain confidential medical information and is intended for the designated empi ADA) imposes very strict limitations on the use of information obtained during physical examinanus to collected and maintained on seperate forms, in seperate files, and must be treated as a supervisors and managers may be informed about necessary restrictions on the work or dut First aid and safety personnel may be informed about necessary restrictions on the work or dut Based upon my findings, 1 have determined that this individual [Check / ALL that app] Employee must schedule a medical examination with Concentra Medical Centra [Class I - No Restrictions on Respirator Use] Class II - Some Specific Use Restrictions [To be used for Emergency Respon] Class III - Respirator Use is NOT PERMITTED Fit Test Required [Fit Test Performed Satisfactorily] Fit Test Performed Unsatisfactorily [Fit Test NOT Performed at: Concer] Special prescription eyewear needed to accommodate respirator [Special] Special prescription eyewear needed to accommodate respirator [Special] Physician or other Licensed Healthcare Professional [Physician who must submit a report his/her findings to [Check / ALL that apply] Check / ALL that apply] The above individual HAS been examined for respirator fitness in accordance with 29 CFR use only. Employees should be instructed to report any difficulties in using r	loyer contact only. The Americans with Disabilitition of qualified individuals with disabilities. All is a confidential medical record, with the following in the soft an employee and necessary accommodative emergency treatment.	es Act nformation exceptions: tions. al and usage. respirator respirator or physician. DSHA's Medical Evaluation by Employees would be instructed Respiratory Questionnaire nedical conditions resulting from eased risk of lung cancer Durinted) The Condition of the test of test of the test of test o

To be maintained in the employee's file with a copy to the employee

06/29/1999

Concen 701 Main S Phone: (8	tra Medical Centers (CT) Street EAST HARTFORD, CT 06108 360) 289-5561 Fax: (860) 291-1895	
PLHCP ¹ WRITTEN STA	TEMENT for RESPIRATORS	(EMPLOYEE)
Service Date: 07/09/2019 Employee Name: Michaud, Steven Address:	Employee SSN:	XXX-XX-6976
E HARTFORD CT 06108		
Employer: Selective Service LLC		
Based upon the results of this evaluation it is a ARE qualified to wear a respirator. Have the following restrictions concerning respi ARE NOT qualified to wear a respirator. Require further testing by your private physician Concentra Medical Centers (CT)	my opinion that you: (Check irator usage: n who must submit a written re so that a final decision of	ALL that apply)
 Must wear Special prescription eye-wear needed Must use an Eye glass conversion kit. May need to shave Facial hair to assure tight s Need to stop smoking. 	ed to accommodate respirator. eal on certain face masks.	
 Check ALL that apply) The above individual <u>HAS</u> been examined for respirator fitness in a use only. Employees should be instructed to report any difficulties in This evaluation included the Respiratory Questionnaire outlined in The above individual <u>HAS</u> NOT been examined by me for respirate Questionnaire in Appendix C Part A Section 2. In accordance with to report any difficulties in using respirators or change of any physic outlined in 29 CFR 1910.134. Linfaccordance with specific OSHA requirements, I have informed the exposures that may require further explanation or treatment. Where attributable to the combined effect of smoking and asbestos, lead 	accordance with 29 CFR 1910.134. This lim n using respirators or change of any physic 29 CFR 1910.134. or fitness. The employee's medical evaluati 29 CFR 1910.134, this limited evaluation is cal status to their supervisor or physician. T he above named individual of the results of re applicable, the above named individual h	ited evaluation is specific to respirator al status to their supervisor or physician. ion consisted of a review of OSHA's Medical Evaluation specific to respirator use only. Employees should be instructed 'his evaluation included the Respiratory Questionnaire this evaluation and of any medical conditions resulting from as been informed of the increased risk of lung cancer
	and/of other chemical exposure(s).	
Respirators must be properly selected based on the containment and and warnings for proper use contained on the respirator packaging and and result in elickness or death. Wearer must be trained in the proper of use and/or limitations. PLHOP Signature DLHOP Name (printed)	and/or other chemical exposure(s). concentration levels to which the worker will b d/or failure to wear the respirator during all th care of any respirator.Refer to product literatur	e exposed. Failure to follow the use and fitting instruction nees of exposure can reduce the respirator's effectiveness e and packaging for specific information regarding fit, Stable Employee's Signature 7/9/20 L Expiration Date
Respirators must be properly selected based on the containment and and warnings for proper use contained on the respirator packaging and and result in sickness or death. Wearer must be trained in the proper use and/or limitations. PLHOP Signature PLHCP Name (printed)	and/or other chemical exposure(s). concentration levels to which the worker will b d/or failure to wear the respirator during all th rare of any respirator.Refer to product literatur	the exposed. Failure to follow the use and fitting instruction mes of exposure can reduce the respirator's effectiveness are and packaging for specific information regarding fit, Siddle Employee's Signature 7/9/20 L'Expiration Date

EasyOne™ DIAGNOSTIC 6.5 ©ndd 2000-2010 SN 80447 RecNo 11436 07/09/2019 11:14am

Patient Information					Test Info	rmation
Name	MICH	AUDSTEVE	EN		Test Dat	e/Time
ID	0438	26976			Post Tim	10
Age	32				Test Mo	de
Height	5 ft	7 in			Interpret	ation
Weight	1951	bs, BMI 30.6			Predicte	d Ref
Gender	MAL	É			Value Si	elect
Ethnic	CAU	CASIAN			Tech ID	
Smoker	NO				Automat	ed QC
Asthma	NO				BTPS (I	VEX)
Test Results	Your	FEV1 is 929	% Predicted			
	Pre-Test					
Parameter	Best	Trial2	Trial3	Trial1	Pred	%Pred
FVC[L]	4.99	4.99	4.94	4.81	4.94	101
FEV1[L]	3.70	3.66	3.70	3.44	4.03	92
FEV1/FVC[%]	74.1	73.3	74.9	71.6*	81.4	91
PEF[L/min]	543.3	543.3	571.0	476.7	574.8	95
FEF25-75[L/s]	2.66	2,66	2.87	2.38*	4.09	65
FET[s]	11.03	11.03	8.04	10.59		
* Indicates Below LI	N or Significat	nt Post Chan	ge			
		a state .	Sered	transfer al and	States and	Contraction of

Pre-Test	FEV1 Var=0.04L 1.1%;	FVC Var=0.06L 1.1%;	19
Interpretation	Normal Spirometry		

Session Quality A

Test Information



07/09/2019 11:13am

DIAGNOSTIC GOLD/Hardie NHANES II BEST VALUE

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Appendix C

CTDPH Asbestos Abatement Notification Form



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH ASBESTOS ABATEMENT NOTIFICATION FORM STATE USE ONLY

Post Mark Date	
Check #	
Amount	\$
Transmittal #	
Record #	

This form is to be completed and postmarked or hand delivered to the Connecticut Department of Public Health at least ten (10) days prior to the start of asbestos abatement, as required by the Regulations of Connecticut State Agencies, Section 19a-332a-3. In case of an emergency, this form is to be completed and postmarked within one (1) working day following the start of asbestos abatement. Faxed originals are not acceptable. Revisions may be faxed unless an additional fee payment is due.

I. IYPE	2 OF NOTIFICATION:			
A. NEW	X B. BLANKET C. CANCELLATION / POSTPONED	С	Р	
D. REVISE	ED (ITEMS REVISED)	REVISIO	N #	
E. EMERC	GENCY DESCRIBE NATURE OF EMERGENCY	7 .)		
2. ABATE	EMENT CONTRACTOR:			
NAME:	Selective Service LLC	LIC	CENSE #	53.000655
ADDRESS:	555 Main Street			
CITY:	Manchester STATE: CT	ZIP:	06040	
PHONE #	860 649-5500 CONTACT PERSON: Joel Mrosek	E.		
3. FACILI	ITY (OWNER'S NAME) OWNER/OPERATOR:			
NAME:	Town of Hebron			
ADDRESS:	15 Gilead Street			
CITY:	Hebron STATE: CT	ZIP:	06248	
PHONE #	860 228-5971 CONTACT PERSON: Andrew Tierney	y, Town	Manager	
		-		
4. NAME	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA	TED)		
4. NAME ADDRESS:	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School)	TED)		
4. NAME ADDRESS: CITY:	OF FACILITY:(FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT	ATED) ZIP:	06248	
4. NAMEADDRESS:CITY:5.(A) ABAT	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT IEMENT START DATE: 6/15/20	TED) ZIP: DATE:	06248 8/20/20	
4. NAMEADDRESS:CITY:5.(A) ABAT	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT TEMENT START DATE: 6/15/20 5.(B) COMPLETION 6.(B)	TED) ZIP: DATE:	06248 8/20/20	
4. NAMEADDRESS:CITY:5.(A) ABAT	OF FACILITY:(FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT TEMENT START DATE: 6/15/20 6.(B) Month/Day/Year format	TED) ZIP: DATE:	06248 8/20/20 Month/Do	ıy/Year format
4. NAMEADDRESS:CITY:5.(A) ABAT	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT TEMENT START DATE: 6/15/20 6.(B) Month/Day/Year format	TED) ZIP: DATE:	06248 8/20/20 Month/Do	uy/Year format
 4. NAME ADDRESS: CITY: 5.(A) ABAT Notification 	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT IEMENT START DATE: 6/15/20 5.(B) COMPLETION 6.(B) Month/Day/Year format (#6 only) TO BE COMPLETED IF PROJECT IS GREATER THAN Fee Due: \$100 00 ± 1% total asbestos abatement of	TED) ZIP: DATE: N 160 SQ ost \$21	06248 8/20/20 Month/Da	ty/Year format ET
 4. NAME ADDRESS: CITY: 5.(A) ABAT Notification 6. TOTAL 	OF FACILITY: (FILL IN ADDRESS WHERE ABATEMENT PROJECT IS LOCA 92 Church Street (Hebron Elem School) Hebron STATE: CT TEMENT START DATE: 6/15/20 5.(B) COMPLETION 6.(B) Month/Day/Year format (#6 only) TO BE COMPLETED IF PROJECT IS GREATER THAN a Fee Due: \$100.00 + 1% total asbestos abatement complete to the sector of the sector	TED) ZIP: DATE: N 160 SQ ost _\$21	06248 8/20/20 Month/Da UARE FE 3.00	ty/Year format ET
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Phone: (860) 509-7367/ Fax: (860) 509-7378 Telephone Device for the Deaf: (860) 509-7191 410 Capitol Avenue- MS # 51 AIR PO Box 340308 Hartford CT 06134-0308 Hartford CT 06134 Affirmative Action/ An Equal Opportunity Employer

ASBESTOS ABATEMENT NOTIFICATION FORM- PAGE 2

			ADDRESS:
9 DIVIDING DATA			TOWN:
o. DUILDING DATA:		1	AGE: 1047
SQUARE FEET: 38,500	NUMBER OF FLOORS:	1	AGE:1947
9. ABATEMENT CLASSIFI	CATION:		SENCY ISSUING
	ORDERED L	IST ATT	ACH COPY OF
RENOVATION X DEM	OLITION DEMOORL	DER	
10. Abatement Techni	QUE:		
A. FULL CONTAINMENT V	VITH NEGATIVE AIR X	B. AI	TERNATIVE WORK PRACTICE (PRE-APPROVAL REOUIRED
(IF AWP, include) Pro	ect Designer & LICENSE #		
C. EXTERIOR ABATEMEN	Т	D. SP	OT REPAIR (>25 SQ. FT. TOTAL)
11. ABATEMENT METHO);		
A REMOVAL X	B ENCAPSII ATION	C	ENCLOSURE
12. Type of Decontami	NATION SYSTEM:		
	D DEMOTE		
13 TYPE AND AMOUNT O	B. REMOIE	EBOBT	
15. I YPE AND AMOUNI O	F ASBESTOS TO BE ABATED: (F	LEPORT	LU IN SQUARE FEET) NONEDIADI E MATEDIAI
A. SPRAYED/TROWELED	ON:		
B. BOILER INSULATION:		I.	FLOOR COVERINGS/TILES: Caulking 40
C. TANK INSULATION:		J.	ROOFING, SPECIFY:
D. BREECHING INSULATION	DN:	K.	GASKETS, PACKINGS:
E. DUCT INSULATION:			Category II
F. CEILING TILES:		L.	TRANSITE BOARD:
G. OTHER, SPECIFY:		М.	OTHER, SPECIFY:
H.* PIPE INSULATION:	Use conversion table	Tot	al Square Feet
		-	stal Course Fact
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(Pipe diameter)" 3"	Multiply LF by CF 133 * 1	=10	
(Pipe diameter)" 3"	Multiply LF by CF 133 * 1	133	s square reel
(Pipe diameter)" 3"	Multiply LF by CF 133 * 1	133	sai square reei

14. WASTE DISPOSAL SITE (IF MULTIPLE SITES, LIST SEPARATELY)

NAME:	Minerva Enterprises
ADDRESS:	9000 Minerva Road
CITY, STATE, ZIP:	Waynesburg, OH 44688
OWNER, OPERATOR:	Frank Stufano
15. HAULER/WASTE	TRANSPORTER
NAME:	Red Technologies
ADDRESS:	10 Northwood Drive
CITY, STATE, ZIP:	Bloomfield, CT 06002

Signature and Title of Person Completing this Form:

Mail to: DPH ASBESTOS PROGRAM 410 CAPITOL AVENUE, MS # 51 AIR PO BOX 340308 HARTFORD CT 06134-0308



Appendix D

PCM Final Air Clearance Reports

FUSS&O'NEILL

146 Hartford Road, Manchester, CT 06040 (860) 646-2469

PCM Air Monitoring Worksheet For Asbestos Analysis

Form 7400-05 Edition June 2019 Supersedes previous editions

Project Name: <u>He</u> <u>1763</u> 3.	ben Elencting School is lactory School Deleoice . with	Rofometer Number:	Cassette Lo	#_2e181117	Sampler Name: <u>S</u> Analyst Name: <u>S</u>	with mary	AAF	th 76.52
Project Manager: Project Address: <u>?</u>	K. June	Microscope Number: Phase Ring Aligned? HSE/NPL checked	N ALV		Analyst Signature: Sample Date: 6/22	leve y	sis Date: 621	50
Sample ID Number	Sample Location	Activity Code/ Comment On On On	Sample Duration (Minutes)	Flow Rate (LPM) Pre Post Avg.	Total Total Volume (=2 (Litters) To	tt of st. /cc Fiber 7/ Fib/Fids	Fiber Density (Fib/mm ²)	Fiber Conc. (Fibers/cc)
0. 12 . D. Jun - 0	Field Blank #1 Field Blank #2	Submit at least 2 field bls samples collected in 1 w	anks or 10% of th ork shift.	e number of	Vo	0/100	27.01	
08 63 10	IC - (76) Buys Lowly FL - (76) Buys Lowly IL - (76) Buys Lowly IL - (76) Buys Lowly	7 111 2 174 7421 2111 7 7421 2111 7	92 92 92	3.4 13.4 13.4 13.6 13.6 13.6 13.6 13.6 13.6	135146 100 1351,26 100	* 1100 * 4/1100 * 3/100	27.01 27.01 27.01	, Taoi 7
11	IL - 17(3) Ougs Levely	4 113 1245 7 1113 1245	22	134 134 134 134	1313-20 100	2 5/1w	10.12	4000
(22, 20-Jour - 10 Reference Method: NIO	Duplicate Count SH 7400 Issue 2 8/15/04 Matt 11: 200					71		
Sample Type: 25 mm 3 _I FIBER DENSITY (Fibe: CONCENTER ATTACK	riece 0.8µ mixed cellulose ester PCM Air Monitor rs/mm2) = <u>(SAMPLE fibers/field) - (Average B</u> J (0.00785mm ² /fiel	Jetectuon: 5.5 Fibers/100 Fields r LANK fibers/field] ld]	IC OCB Decon	Decontamin	ontainment iticial Barriet ation Facility		Project Activit Code 7 1 Backg	L' CUJ
Q:\EarviroScience\Admin\F	ibers/ cc) = <u>(SAMPLE fibers/field) - (Average BI</u> (0.00785mm/field) x liters x ORMSN Asheene') Device March 1.170, march	LANK fibers/field) x (385) mm²/filter : 1000 cc/liter	r 1 (5-20 fibers 2 (>20-50 Fib 3 (>50 Fibers	/100 fields) 0.40 ers/100 fields) 0.45 /100 fields) 0.45	ab Sr inter Lab Sr 0.50 0.35 0.35		2 Setup 3 Durin 4 Cleara 5 Enviro 6 Persoi	g nce nmental

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146 Hartford Road, Manchester, CT 06040 (860) 646-2469

PCM Air Monitoring Worksheet For Asbestos Analysis

Form 7400-05 Edition June 2019 Supersedes previous editions 1

 Sampler Name: Such through Analyst Name: Such through Analyst Signature: Low the second second	PM) Limit of Limit of Potal Det. Det. Total Det. Fiber Volume Fib/cc Count Total Total Fib/cc Total Fib/cc Count Total Total Fib/cc Total Total Fib/rms) Total Total	11 11 11 11 11 11 13 10 11 11 11 11 13 10 10 11 11 11 13 10 10 11 11 12 13 10 10 11 11 12 13 10 10 10 10 15 13 10 10 10 10	algo Containment B/hw Co.17 .0.0 alge Containment Project Activity: Code Type alge Critical Barrier 1 Background alge Critical Barrier 2 Setup Intra Lab Sr Inter Lab Sr During
is 1754 Rotometer Number: Cassette Lot# 2018.11 Rotometer Cal. Date: 2-12- 20 Microscope Number: is 01 40 Phase Ring Aligned? CN HSE/NPL checked CN	Sample Time Sample Time Flow Rate (L) Activity Code/ Comment On Off Duration On Off (Minutes) Pre Post	Y // // // // // // // Y // // // // // // // // Y // // // // // // // // // Y // // // // // // // // // Y // // // // // // // // // Y // // // // // // // // // Y // // // // // // // // // Y / // // // // // // // // Y / // // // // // // // // Y / // // // // // // // // Y / // // // // // // // Y // // // // // // // Y // //	etection: 5.5 Fibers/100 Fields ANK fibers/fields ANK fibers/field x (385) mm ² /filter 100 occ/liter
lelan Elemanty Schul 1. lenated Deriles ILE w 20 K. June S. Helen	Sample Location	 Field Blank #2 FC 1903 Girls Leuchy 	Duplicate Count Duplicate Count IOSH 7400 Issue 2, 8/15/94 Method Limit of De 3 piece 0.8µ mixed cellulose ester PCM Air Monitor bers/mm2) = (SAMPLE fibers/field) - (Average BL (0.00785mm²/field (fibers/cc) = (SAMPLE fibers/field) - (Average BL
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PCM Air Monitoring Worksheet For Asbestos Analysis

146 Hartford Road, Manchester, CT 06040 (860) 646-2469

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2	102t #	Fiber Conc. (Fibers/cc)			1400.	. 0037	1200 :	00400 -	1200.						10065	y: Type Bround	ance ronmental onal
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	By Long	Fiber Count Fib/Flds	8160	001/0	21	10/100	intras	11/10	15/10			•			18/100		
	e (u) aute (u) ure (u)	Limit of Det. Fib/cc (=2.7/Total Vol.)			0200	0200.	0200.	0200.	0200				-				Inter Lab Sr 0.50 0.39 0.35
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	meter Num ometer Cal. I oscope Nur oscope Nur <u>se Ring Alig</u>	Sampl	mit at least	ples collecte	1 10.30	1 101.31	1 12.32	1 10.33	1 10.31	-						.5 Fibers/100 ts/field)	s/field) x (38 er
	Note Rote Mict Phase	Activity Code/ Commen	Sub	sam	C	ر ا		J				_				Detection: 5 or <u>BLANK fibe</u> ield)	<u>BLANK fiber</u> x 1000 cc/lit
	the the				Pacs											thod Limit of M Air Monit <u>1) – (Average</u> 100785mm²/f	<u>l) – (Average]</u> /field) x liters
-	1 Mun Park 1 J J J Task 1 Park	ple Location	ld Blank #1	ld Blank #2	CL Ma	Front		L	Je ou						plicate Count	/15/94 Me llulose ester P(<u>LE fibers/fiel</u> d ((<u>L.E. fibers/fiel</u> (0.00785mm
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PCM Air Monitoring Worksheet For Asbestos Analysis

146 Hartford Road, Manchester, CT 06040 (860) 646-2469

Project Name: Ht Dron Elenn Jory Juhus I Project Number: 2016 0168. W3Grask # Project Manager. Haythlyen Cany Project Address: 32 Church 57 Hetron	Rotometer Number: UNF My Rotometer Cal. Date: 514 Microscope Number: 1 Phase Ring Aligned? HSE/NPL checked	Lassette Lot#: Cassette Lot#: 00 7 82 00 7 82 00 7 82	- Sampler Nam Analyst Nam Analyst Signa Sample Date:	in Paul B	Gy Roman Analysis I Analysis I	AAR+ AAR+ Date: (125	(#2E =
Sample ID Number Sample Location	Activity Code/ Comment On Off	Sample Flow Rate (LP Duration Pre Post	M) Total Volume Avg. (Liters)	Limit of Det. Fib/cc (=2.7/Total Vol.)	Fiber Count Fib/Flds	Fiber Density (Fib/mm ²)	Fiber Conc. (Fibers/cc)
V. 2 \$ PS OL Field Blank #1 0 Field Blank #2	Submit at least 2 field blank samples collected in 1 work	s or 10% of the number of shift.			01/00	55	
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it Right roar	A initial nitial	51 51 Ch	0551 51	0200-	catis	2	< USC)
Duplicate Count					4/12	t v	<. 000 V
Reference Method: NIOSH 7400 Issue 2, 8/15/94 Method Limit of D. Sample Type: 25 mm 3 piece 0.8µ mixed cellulose ester PCM Air Monitor FIBER DENSITY (Fibers/mm2) = <u>(SAMPLE fibers/field) – (Average BL</u> (0.00785mm ² /field	retection: 5.5 Fibers/100 Fields <u>ANK fibers/field</u>) d)	Decon D	Inside Containment Dutside Critical Barrier econtamination Facilit			Project Activity Code T. 1 Backgr 2 Setup	be
CONCENTRATION (fibers/cc) = <u>(SAMPLE fibers/field)</u> – <u>(Average BL</u> (0.00785mm/field) x liters x :	ANIK fibers/field) x (385) mm²/filter 1000 cc/liter	Range 1 (5-20 fibers/100 fields) 2 (>20-50 Fibers/100 fields) 3 (>50 Fibers/100 fields)	Intra Lab Sr 0.40 0.45 0.26	Inter Lab Sr 0.50 0.39 0.35		5 During 5 Enviro 6 Person	ce nmental al

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PCM Air Monitoring Worksheet For Asbestos Analysis

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	MUM UD AAR	Date: UZ	Fiber	Density (Fib/mm²)	5	5	0-11	11.4	15.3	29	12.71						5.02	Project Activit	Code 1 1 Backs 2 Setup	3 Durir 4 Clear 5 Envir 6 Perso
	Si tem	Analysis	Fiber	Count Fib/Flds	6170	300	1/100	gin	12/40	13/14	12,10						16-12			
((152)	Limit of Det.	Fib/cc (=2.7/Total Vol.)			. 00	-032	(00.	, 100 ·	100.								y	Inter Lab Sr 0.50 0.39 0.35
	Sampler Nam Analyst Namo	Antaryst olgna Sample Date;	Total	Volume (Liters)			0521	LESI	1350	0551	1377							Containment	mination Facilit	tra Lab Sr 40 26
			(LPM)	Avg.			12	15.3	Sc	15	15.7		5	u ^{lly}				Inside	Decontar	() () () () () () () () () () () () () (
			Flow Rate	e Post	umber of		ī Z	C.21 C	15	15	10									s/100 fields) bers/100 field s/100 fields)
	ette Lot#:		l	ion tes) Pr	% of the n		N V	0 15.	0 15	21 01	10 15							IC	Decon	Range 1 (5-20 fiber 2 (>20-50 Fi 3 (>50 Fiber
ive	VI Casse	3	Samp	Durat (Minu	nks or 10°	ork shift.	3	9	5	5	2					ti.				يندين ال
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	Rotor	Phase HSE,	Activity	Code/ Comment	Subn	samp	,	2	2	3						5,		stection: 5.5	ANK fibers I)	<u>ANK fibers</u> 1000 cc/lite
ام مع	Icho,																	d Limit of De Air Monitor	(Average BL. 785mm²/field	(<u>Average BI_</u> ld) x liters x 1
	tory.	Lask#	1	ocation	ank #1	ank #2					201-		P				e Count	4 Method tester PCM	o.007 (0.007)	ers/field) – 0785mm/fie
1	8 PMB4	o Can		Sample L	Field Bla	Field Bla	Decor	Fast	17	Con	A G						Duplicate	te 2, 8/15/9 ted cellulose	SAMPLE fit	AMPLE fib (0.00
	H Q	Charle		Bull			Nen,	1,51	Co.	(Jo	S	7			•			SH 7400 Issu iece 0.8u mix	s/mm2) = (S	bers/cc) = (S
	e Ha	ger:		umber	10	02	63	64	50	Ś	6						~	thod: NIOS 25 mm 3 p	sITY (Fiber	ATION (fil
	roject Nam [3 û]]	roject Man roject Man roject Addı		mple ID N	29,25.	A 62.1					\rightarrow						6.2 gp	eference Me ample Tvpe:	TBER DEN	CONCENTI
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Appendix E

Fuss & O'Neill Site Logs



146 Hartford Road, Manchester, CT 06040

www.fando.com (860) 646-2469 Fax (860) 649-6883

Daily Site Log	5101 31
Project Name/Number: Hebran Elimentary School Project Address: <u>92 Chu-uh SY</u> Hebran, CT	Date: $(29)20$ Page Number: 1 of 1
On-Site Technician: Paul Buleman	

Time	Comments	Initials
10.05	re on site. Delective Devices is not on s	le
10:30	PB performent.	Buthan
	#9 where Z4 LF of pipe insulution of	am
	and leiting wire free of debry	- Wally
10:50	The Aroa paller time viewal inspection PB lite up final are clour and some	9n/
	6.29PB03207 in the area	
12:20	And the there and the south of the second of	and
12:50	FAG sumple 6.29 PB 03-07 and 5-0	ob Fra
1.00	The bathround area passe from Juff-	Ht G
	Contain max!	
11.30	PD performent of post time parme Vilva	1 or
11.45	All debris has see amoved from the a	rleg
7.00	PB lenner the rite	

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Appendix F

Fuss & O'Neill Sign-In Sheets



146 Hartford Road, Manchester, CT 06040

www.fando.com (860) 646-2469

WORKER SIGN-IN LOG

Project Name/Address: 14-60- Slemen	leg shool Da	tte: 6/22/20
Project No. Jol60168. W30	Work Area: 1963 Buys	, Gards, Shell Learly

Worker's Name (Print Neatly) (Nombre del Trabajador - Escriba claramente)	Signature (Firma)	Social Security No.	Type of Work
1. Shown Michaud			Abotemf
2. Steve Michaud	SAR.D	6976	Abstancent
3.			
4.			
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7.			
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20.			- 19 -



www.fando.com

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108 Myrtle Street, Suite 502, Quincy, MA 012171	ŀ	Phone (617) 282-4675 Fax (617) 481-5885	
WORK	KER SIGN-IN LOG		
Project Name: Hebron Elementar	-y School	Date: 6/25/20	
Project No. 20160148.W15 Worker's Name (Nombre del Trabajador)	Signature (Firma)	Work Area: Ball 819 7 9190 License # (Licencia #)	fin room
1. Steve Michaud St	HA.D		
2. Shavn Michael			
3.			
4.			
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 $\label{eq:constraint} Q:\label{eq:constraint} Q:\label{eq:constraint} Project Monitoring\Boston\BSN Worker Sign-in Log.docx$



146 Hartford Road, Manchester, CT 06040

www.fando.com (860) 646-2469

WC	RKER SIGN-IN LOG		`	
Project Name/Address: 1416-2 Eler Project No. 2016 DIG 2000	Work Area: Bel	Date:	0512513 49	
Worker's Name (Print Neatly) (Nombre del Trabajador - Escriba claramente)	Signature (Firm	a)	Social Security No.	Type of Work
1. Steven Michael	GAA:		6976	Abstement
2.				
3.		5		
4.		'		
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6.				-
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Appendix G

Contractor Sign-In Logs

Name	Date	Respirator	Time In	Time Out
Steven Michaud	611612020	halfmask	Tam	4:02.0M
Shipon Michael	6-16-2020	half mask	705 am	403pm
Steven Michaud	6117/2020	halfmask	Tioban	4:24 m
Shown Michaed	6-17-2020	hatt mask	710 am	4:30 pm
Steven Michaud	6/18/2020	half mask	6:10am	4:10pm
Sharm Michael	6-18-2020	half mask	615am	HIOPM
C				
Steven Michaud	6/22/2020	halfmask	7:01am	4:29pm
haon Michaul	6-99-9090	halfmask	70 Sam	430pm

	Name	Dute	Respirator	Time In	Time Out
	Sieve Michaed	6/23/2020	PAPR / HANF Face	Tam	4:06 pm
5	havn Michael	6-23-2020	Half mask	700 am	406pm
	Steve Michaud	6/24/2020	PAPR	6:02am	4:150M
Sh	source madual	6-24-2000	Poupr	620 am	430 pm
		·			
	Steve Michaed	6125 /2020	PAPR	10:25 m	4:20pm
55	Than Michael	6-25-2020	pape	1100 am	430pm
	Sieve Michael	6129/2020	PAPE	6:01 am	4:0500
SI	waan Missinauz	6-39-3020	Papp	630am	430pm
	-				1
-					



Appendix H

Contractor Daily Logs

GC: Nutmeg Construction, Supervisor: Steven Michauel Date: June 16 2020 Time In: 10 Time Out: 4:30 pm

Project: Lead/Asbestos Abatement **Project Location: Hebron Elementary School** Weather: 75 Clear

Work Location: 2000 WING

Task: Remarked block wall (no lead or askestos present)

Issues: arrived from office about 10am

Employees On Site: 1. Shaun Michaup 2. Store Michaud 3. 4.

5.

Supervisor Signature: St. M. A

GC: Nutmeg Construction, Supervisor: Stese Michaud Date: June 16 2020 Time In: GamTime Out: H: 30pm

Project: Lead/Asbestos Abatement **Project Location: Hebron Elementary School** Weather: High 70's Clear

Work Location: Room 8 29 (chase asbestos free), 2000 wing Set up containment in 1960's wing

Task: Containment Setup, debris removal from 2000 wing (performed by Kindy Gilmore)

Issues: N/A

Employees On Site:

- 1. Andy Gilmore 2. Steve Michaud 3. Shaon Michaud 3.
- 4.
- 5.

Supervisor Signature: Ath

GC: Nutmeg Construction Supervisor: Stelen Michael Date: June 17 2020 Time In: (Time Out: 4:30pm

Project: Lead/Asbestos Abatement Project Location: Hebron Elementary School Weather: Los 50's Clear

Work Location: 1960's wing, 2000 wing (work performed by Andy Gilmore

Task: 1960's wing opened up large sections of wall to confirme no asbestos, removed sink Èwrapped along w/ ass charulking to be thrown away as asbestos waste, removed and bagged lead tile, Finished debris clean up of 2000 wing

Issues:

NIA

Employees On Site: 1. Sieve Michard 2. Shawa Michard 3. Andy Gilmore 4. 5.

Supervisor Signature: 5tm?

GC: Nutmeg Construction Supervisor: State Michaud Date: June 18 2020 Time In: 6 Time Out: 4:30 pm

Project: Lead/Asbestos Abatement Project Location: Hebron Elementary School Weather: 65 Clear

Work Location: 1960's wing, Small both noom in 40's wing with no asbestos, small both noom in 40's wing load / wall removal

Task: 1960's wind find I clean for cleannace on Mon, removed lead tile from small bathrooms bagged and drapped of in trailer, made exploratory holes in wall no asbestos present in small bathrooms. Andy how out CMUST

Issues: NIA

Employees On Site: 1. Shah Michael 2. Stelle Michael 3. Andy Gilmore 4. 5.

Supervisor Signature: Stand

Selective Service LLC 555 Main St Manchester Ct 06040 GC: Nutmeg Construction Project: Lead/Asbestos Abatement Supervisor: Steve Michaud **Project Location: Hebron Elementary School** Date: June 2Z 2020 Weather: low 90's Clear Time In: 6 Time Out: 480 pm Work Location: 60's wing , hygenist arrives, debris carry out from clean areas Task: finished final Clean of residual dust per Scott request looked of class noom piper from within tunnel, carried out debris, clearance for small bathrooms in 60's wing Apple Managine given by Scott **Issues:** NIA **Employees On Site;** 1. Stele Michgud 2. Shown Michaud 3. Dorrick Smith 4. 5. thil Supervisor Signature: <

GC: Nutmeg Construction Supervisor: Store Michaeld Date: June 23 2020 Time In: 6 Time Out: 4:30 pm

Project: Lead/Asbestos Abatement **Project Location: Hebron Elementary School** Weather: Clay 805

Work Location: Small solo bothoom baside class norm (1960's wing), wall ponetrations Set up Containment in 40's wing

Task: Cut wall penetrations in 2005's wing began containment setup in 40's week (contained class poorn on opposite wall inside class room in case of any and breakage), along with bathroom, cut wall peretrations in 2000 wing to access new pipe install

Issues: NIA

Employees On Site: 1. Ster Manual

- 2. Shun Mahard
- Dencek Smith 3.
- Andy Gilmore 4.
- 5.

Supervisor Signature: JACO

GC: Nutmeg Construction Supervisor: Sturn Michard Date: June 24 2020 Time In:6 Time Out:4:30 pm

Project: Lead/Asbestos Abatement Project Location: Hebron Elementary School Weather: Cleur low 90's

Work Location: Containment for vernuclite form, abotement in 40's wing debris, crawl space

Task: Cut block and removed in Boys room of 40's wing, removed asbests insulation, bygged and removed, in 80's wing small solo bath nom removed wall (no lead or asbestos) Set up containment for vermuchte, remove timel albestos Issues:

Issues: NIA

Employees On Site: 1. Steven Michael 2. Shan Michael 3. Andy Gilmore 4. Derrick Smith 5.

Supervisor Signature:
Selective Service LLC 555 Main St Manchester Ct 06040 GC: Nutmeg Construction Project: Lead/Asbestos Abatement Supervisor: Steve Michael Project Location: Hebron Elementary School Date: June 25 2020 Weather: Sos Clear Time In:6 Time Out: 4:30 Work Location: 40's wing, more wall penetrations, debris hall out from solo both norm in 80's wing, Kermuchte abatement Task: Pruthatement (hygienst) cleved boys nom, to be locked down i giv test, continued work in temples, began vermulte abatament, test pussed & ven born tear down debris how out, tunnel poisses visual, need lead results prior to remaining trailer Issues: **Issues:** N/A Employees On Site: 1. Steve Michaud 2. Showh Michaud 3. 4. 5. Supervisor Signature: Stan

Selective Service LLC 555 Main St Manchester Ct 06040

GC: Nutmeg Construction Supervisor: Storn Michael Date: June 29 2020 Time In: 6 Time Out: 4:30pm

Project: Lead/Asbestos Abatement Project Location: Hebron Elementary School Weather: Okcest 80's

Work Location: female bathroom 40's wing, vermiculite from

Task: final clean female 40 wing bathroom, and final dean verniculte both passed (taul batement hygenist), proceed with tear down in Issues: **Issues:** NIA

Employees On Site: 1. Store Michael 2. Shown Michael 3. 4. 5.

Supervisor Signature: StAC.

Selective Service LLC 555 Main St Manchester Ct 06040

GC: Nutmeg Construction Supervisor: Store Miland Date: 100 - 2020 July 12 Time In: 6 Time Out: 4:30

Project: Lead/Asbestos Abatement Project Location: Hebron Elementary School Weather:

Work Location: 40's wall channels

Task: cut channels in brick for now pipes

Issues:

Saw wouldn't a-op

Employees On Site:

- 1. Steve Midraud
- 2. Shavn Michque
- 4.
- 5.

Supervisor Signature:



Appendix I

Contractor Personal Air Sample Results

555 Main Street

Manchester, CT 06040

roject #:	TE)		Date:	11612020 Supe	rvisor Name: S	oteve Michau
batement S	ite: <u>Hebion Ele</u>	ementary v	Vork Area: 60 W.	d Rann Supi	rervisor Signatu	ire: StM
Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1 60 A	Dia 1	PR	Situe Michard	Zim / Z.HLPM	7.4 Lin /2.4	\$ 98,46PM
2 60B 3 Blank	1	PR	Shrian Mehrul	Sam / 2,447M	4:02pm/2.4	1156.8 LPM
4 Blough						
5	1					
7						
8						
9		1		11.		

Sample	Results (F/CC)
1	
2	
3	
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5	

Sample #	Results (F/CC)
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9	
10	

Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

1/2 Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street

Manchester, CT 06040

Project #:	HEJ		Date:	117/20 Sup	ervisor Name: S	tere Michard
Abatement S	ite: <u>Hebron El</u>	emertery v	ان که) - Rivers	NG Sup	orervisor Signatu	re: HAA
Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1 600	1	EX	Shawn Michael	7.01am 12.4	7.35m/2.4	SI.6LPM
2 60D 3 Bhink	1	GR	Siever Michael	7:15mm / 2.4	4:24 pa 12.4	1310.4 LPP
4 Blenk			1			
6			-			
7	111		1		-	
8				-		
9	1.1.1					

Sample	Results (F/CC)
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4	1.4
5	

Sample #	Results (F/CC)
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9	1
10	

Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Final Clean (FC)

Gross Removal Excursion (EX)

_	 _	
	 _	

½ Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street

Manchester, CT 06040

Abatement Si	te: Hebron Ele	imentary v	Vork Area: 60 W	Sup	rervisor Signatu	re: Stal
Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1 60E	1	EX	Steven Midneyed,	6 km / 2.4	6:42m12,4	76.SLPM
2 GOT 3 Blank	1	GR	Shawn Michael	7:05-0M / 2.4	4 icpm 12.4	1308 LPM
4 Blank						
5	L					
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7			-			
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9						

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Sample #	Results (F/CC)
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Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

1/2 Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street

Manchester, CT 06040

Project #:	HES		Date: 6	izzizo Super	visor Name Q	an Milad
Abatement S	ite: <u>Hebron</u> Ele	mentary v	Vork Area: 60 cui	NG Supr	ervisor Signatur	e: State
Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1606	1	FC	Steven Michigal	Tiolom / Z.HLM	7:47am 12.41m	48.41.PM
2 GOH 3 Blank	1	FC	Shin Michaed	7:01m12.46PM	4:29pm/2.447A	1363.2 LPM
4 Blank						
6						
7						
8						
9						

Sample	Results (F/CC)
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Sample #	Results (F/CC)
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10	

Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

½ Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street

Manchester, CT 06040

Project #: HES Date: 6/23/20 Supervisor Name: Stice Michael Abatement Site: Heben Elementary Work Area: 40000 By 1611 Suprervisor Signature: Stud-1

Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1 40A	1	PR	Show Mond	Zun 12.46M	7:48-174	1152LPM
2 40B	1	PR	Steie Michard	7:05-M1 2.46PM	4:06pm 1:2.4	1298.4 LPM
4 Blank						
5			201			
6						
7						
8						-
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Sample	Results (F/CC).
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Sample #	Results (F/CC)
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Respirator Type:

½ Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

555 Main Street

Manchester, CT 06040

Project #: HES

____ Date: 6124120 Supervisor Name: Steve Michaud

Abatement Site: Hebran Elementary Work Area: 40 wing _____ Suprervisor Signature: State

Sample #	Resp In Use	Abate Activity	Name SS #	Time Start	Time Finish	Volume
1 40C 2 46D	3	EX	Shain Midnight	6 in Zam 1 Z.4LPM	6.40mm 12.41	91.2 LPM
3 BHAK 4 Black		-90	Other Michael	I.CHIN / Z.HLPM	7.18pm 12.4	1329.6 LPM
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8 9			-			

Sample	Results (F/CC)
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Sample #	Results (F/CC)
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Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

½ Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street.

Manchester, CT 06040

Abatement Site	e: <u>Helbran El</u>	ementary v	Vork Area: 40 u	lite nam/ uningSup	rervisor Signatu	re: SM
Sample #	Resp In Use	Abate Activity	Name SS #	Time Start Flow Start	Time Finish Flow Finish	Volume
1 VA	1	GR	Shan Michaid	6:40 m 17.4	10:10-174	SOULPM
2 VB 3 BLAKVA	1	ÉX	Steve Michnud	6:060m / Z.H	6:36am/2.4	72 LPM
4 BIANKVB						
5 40E	3	NA GR	Sieve Mehuil	10:45cm 12:4	4:20 - 17.4	8-41PM
6 40F	3	έx	Shown Mehruel	10:25 m 12.4	10:562m/2.4	74.4 LPM
8 Blunk						
9						

Sample	Results (F/CC)
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Sample #	Results (F/CC)
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10	

Addition Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

1/2 Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	

555 Main Street

Manchester, CT 06040

HES Project #: ____ Date: 6/29/20 Supervisor Name: Steig Michael Abatement Site: Hebron Elementery Work Area: How No _____Suprervisor Signature: Final Clean Sample # Resp In Use Abate Name SS # Time Start **Time Finish** Volume Activity Flow Start Flow Finish 406 1 1 FC Stailer Mehr 6:01am /2.4 \$1.6 LPM 6:35m12.4 240H L FC Shrin Mehud 6:20am 12.4 4:05pm/2.4 1404 LPM 3 4 5 6 7 8 9

Sample	Results (F/CC)
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Sample #	Results (F/CC)
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Addition	Activies:

Work Ara Prep (PR)

Gross Removal (GR)

Gross Removal Excursion (EX)

Final Clean (FC)

½ Face Neg Pressure	1	
Full Face Neg Pressure	2	
Power Air Positive Pressure	3	
SAR/Continuous Flow	4	



Appendix J

TCLP Lead Laboratory Result and Chain of Custody Form

202005548



www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

roject Name: <u> }</u> suilding: <u> </u>]2 C	bron Elementary	School Project	Number: 20160 Manager: 444h	168.430 1 Leen Pano
ample ID Number	Sample Location/Building	Material Type	Result (ppm)	Lab Number
0.25PB 01	Bulhrow, 72 Hebron E.S.	4" cerumic Wall file		
nalysis Method: TC	LP Lead	Т	urnaround Time	8 ha
nalysis Method: TC ased on the turnaroun ease call the Fuss & C ax Results To: Fuss pecial Instructions:	LP Lead Id time indicated above, analyses a D'Neill EnviroScience laboratory a & O'Neill Laboratory at 888-8	T are due to Fuss & O'Neill on or at 860-646-2469 if analyses will 38-1160	urnaround Time r before this date: be late.	lå ha
nalysis Method: TC ased on the turnaroun lease call the Fuss & C ax Results To: Fuss pecial Instructions: amples Collected By amples Received By	LP Lead ad time indicated above, analyses a D'Neill EnviroScience laboratory a & O'Neill Laboratory at 888-8 . : Pay By Pay Dat By: Pay By Dat Com BAN Dat Dat	T are due to Fuss & O'Neill on or at 860-646-2469 if analyses will 38-1160	urnaround Time r before this date: be late. Time: Time:	18 ha
nalysis Method: TC ased on the turnaroun lease call the Fuss & C ax Results To: Fuss pecial Instructions: amples Collected By amples Received By amples Received By upped To:	LP Lead ad time indicated above, analyses a D'Neill EnviroScience laboratory a & O'Neill Laboratory at 888-8 . : Pay Bytomus Dat By: Pay Bytomus Dat By: Pay Bytomus Dat Dat Dat EMSL (State) MJ	T are due to Fuss & O'Neill on or tt 860-646-2469 if analyses will 38-1160 Te: $4/25/20$ Te: $4/25/20$ Te: $4/25/20$ Te: $4/25/20$ Te: $4/25/20$ Te: $4/25/20$	urnaround Time r before this date: be late. Time: Time: Time:	18 ha
nalysis Method: TC ased on the turnaroun lease call the Fuss & C ax Results To: Fuss pecial Instructions: umples Collected By umples Received By umples Received By upped To:	LP Lead ad time indicated above, analyses a D'Neill EnviroScience laboratory a & O'Neill Laboratory at 888-8 . : Pay By My Dat By: Pay BAM Dat By: Pay BAM Dat [] EMSL (State) MJ [] Fed Ex. UPS Overnight	T are due to Fuss & O'Neill on or at 860-646-2469 if analyses will 38-1160 are: $\frac{4}{25}$ by are: $\frac{1}{25}$ by ar	urnaround Time r before this date: be late. Time: Time: Time: O`Y] Other	18 ha

1

•	EMSL	EMSL Analytical 200 Route 130 North, Cinnan Phone/Fax: (856) 303-2500 http://www.EMSL.com	, Inc. hinson, NJ 08077) / (856) 786-5974 <u>cinnaminsonleadlab@</u>	<u>emsl.com</u>		EMSL Order: CustomerID: CustomerPO: ProjectID:	202005548 ENVI54 20160168.W30
Attn:	Kathleen	Pane		Phone:	(860) 646-2469		
	Fuss & O'	Neill Inc.		Fax:			
	146 Hartford Road			Received:	06/26/20 12:37	PM	
	Manchest	er, CT 06040		Collected:	6/25/2020		

Project: 20160168.W30 Task 15 / Hebron Elementary School / 92 Church St

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

				Lead
Client Sample Description	Lab ID	Collected	Analyzed	Concentration
6-25PB01	202005548-0001	6/25/2020	7/1/2020	<0.40 mg/L
	Site: Bathroom 7	72 / Hebron E	.S.	

Hing le and

Phillip Worby, Lead Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 07/03/2020 15:46:22



Appendix K

Final Visual Inspection Forms



Final Visual Inspection Form

Date: 6/22/20	BRemoval	□ Encaps	ulation 🛛 En	closure 🛛 Rep	air 🗆	l Cleanup	
PROJECT NAME: /	teson Elemente	5 Subar 1		PROJECT NO.:	201601	68,42	
SITE LOCATION: 5	2 church st	Itebry C	BUILDING:			PASS	
WORK AREA: 1963 - Girls Lancher							
CONTRACTOR:	Selective Ser	vices					
Neg Pressure C	ontain. □ Mini-E	nclosure E] Glovebag 🛛 C	ther (Describe B	elow)	□ None	
MATERIALS ABATE	D IN THIS SPECIFI	C WORK AR	EA:	Statistics of			
1. White Carlins	QTY:	204	2.		QTY:		
3.	QTY:		4.		QTY:		
5.	QTY:	1	6.		QTY:		
7.	QTY:		8.		QTY:		
9.	OTY:	1	10		OTY		
SUSPECT ACM RE	MAINING IN CONTA		T SPECIFIED FOR	REMOVAL	L serr.	100-00	
1.	QTY:		2.	TTEMOTAL	OTY:	T	
3	OTY:		4		OTY		
SUPEACES INSPECT	TED .	CHRENE LT			Gerr.	-	
El-Fixtures FIELD OBSERVATIO	Enclosed Iten	ns IW	wet Load	(Carrier / c	hen		
Work Area Clearance:	BPCM E] TEM	□ Visual Only	□ None F	Perform	ned	
acknowledge that	Linspected this	work area	on this day				
Fuss & O'Neill Insp	pector: <u>Sc</u>	RINTED		SIGNATURE		-	
I have read and un Contractor's Super	derstand the ins visor: <u>Stele</u>		ults.	SIGNATURE	D		

Final Visual Inspection Form

Date: 6/22/20 ARe	moval	Encaps	ulation		closure	Re	pair 🗆] Cleanup
PROJECT NAME: Heber	Elementer	S. heril			PROJECT	NO.:	20160	168. 630
SITE LOCATION: 92 cha	whe st.	Hebra	BUILD	ING:			T	DDASS
WORK AREA: 1963	Bous	Caucho					1	
CONTRACTOR: Salet	ve Sa	Tree						
Neg Pressure Contain.	D Mini-E	nclosure E	Gloveba	gПC	ther (Des	cribe I	Below)	
MATERIALS ABATED IN THI	S SPECIFI	C WORK AR	EA:					
1. White country of	QTY:	20 Ct	2.				QTY:	
3.	QTY:		4.				QTY:	
5.	QTY:		6.				QTY:	
7.	QTY:		8.				OTY	
9.	QTY:		10				OTV	
SUSPECT ACM REMAINING	IN CONTA	INMENT NO	SPECIFIE	DEOP	REMOVAL	210		11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
1.	QTY:		2.	- I UN	I CLINOVAL		OTY.	1
3.	QTY:		4	-		-		
SURFACES INSPECTED	1	1000	1				<u></u>	
Instructions: Check	surfaces	s that pass	Circle su	urface	es that fai	I Str	ike thro	
Field Observations	ee to	ut insuf	Ccus	it ا Out	Contrac E-Ot	tor's f	Equipmo	ent
					•			
WORK AREA		ITEM	D Visual	Only		None	Perform	ned
ACKNOWLEDGEMENT	-							10.10
acknowledge that I inspe	cted this	work area o	on this day	<i>.</i>				
Fuss & O'Neill Inspector: _	Scor	t mosy		-	SIGNATU	RE	-	_
have read and understand	d the insr	ection rese	lts				1	
Contractor's Supervisor:	30 PR	INTED)	S	SIGNATU	licha	od	
				_				



Final Visual Inspection Form

Date: 4 25 20 0	Removal	Encapsulati	ion 🛛 Enclosure 🖾 Rep	oair 🗆 Cleanup
PROJECT NAME: N.	For Elec	mentary s	chool PROJECT NO .:	20100168.1
SITE LOCATION: 97 C	hurch ST +	HScara Ct	BUILDING: 1947-Section	Bything PASS
WORK AREA: B. 11 8	i lin F	Vinting	blalle	
CONTRACTOR: Sele	utine Ser	mos		
ANeg Pressure Conta	in. 🗆 Mini-Er	nclosure 🛛 Gl	ovebag Other (Describe B	Below) None
MATERIALS ABATED IN	THIS SPECIFIC	WORK AREA:	Bythroom &	
1. Pipe and Mulde	QTY:	15 LF 2.	,, 0	QTY:
a insulation	QTY:	4.		QTY:
5.	QTY:	6.		QTY:
7.	QTY:	8.		QTY:
9.	QTY:	10).	QTY:
SUSPECT ACM REMAIN	ING IN CONTA	INMENT NOT SP	PECIFIED FOR REMOVAL	
1.	QTY:	2.		QTY:
3.	QTY:	4.		QTY:
SURFACES INSPECTED				
Instructions: Ch	eck surfaces	that pass. Ci	rcle surfaces that fail. Str	ike through N/A.
Floor D/H	lorizontal Sur	faces DPip	bes El Mechanical E	quipment-
Duct Work DV	ertical Surfac	ces 🗹 Dec	con Unit 🛛 🖾 Contractor's I	Equipment
D Duct Work 🗹 V D Fixtures 🗗 E	ertical Surfac	ces 🖾 Dec is 🗄 Waste	con Unit ⊠rContractor's I : Load Out □ Other:	Equipment
Duct Work D Fixtures Field Observations	ertical Surfac	ces 🗹 Dec is 🛛 Waste	con Unit ⊠rContractor's l : Load Out □ Other:	Equipment
Duct Work V Fixtures Field Observations	ertical Surfac	ces di Dec is E Waste	con Unit ⊠rContractor's I : Load Out ☐ Other:	Equipment
Duct Work V D-Fixtures Field Observations	ertical Surfac	ces ⊠́Deo s- ⊟Waste	con Unit ⊠rContractor's I : Load Out ☐ Other:	Equipment
Duct Work V Fixtures Field Observations	ertical Surfac	ces 🗹 Dec is 🛛 Waste	con Unit ⊠r⊄Contractor's I - Load Out □ Other:	Equipment
Duct Work V D Fixtures Field Observations	ertical Surfac	ces ⊠́Deo is_ I Waste	con Unit ⊠rContractor's l : Load Out ☐ Other:	Equipment
☐ Duct W ork ☐ Fixtures ☐ E FIELD OBSERVATIONS	ertical Surfac	ces 🗹 Dec ns 🛛 U Waste	con Unit ⊠iContractor's I : Load Out ☐ Other:	Equipment
U Duct Work V Fixtures DE FIELD OBSERVATIONS	ertical Surfac	ces 🗹 Dec is 🛛 Waste	con Unit ⊠r Contractor's I - Load Out □ Other:	Equipment
WORK AREA CLEARANCE:	ertical Surfac	ces di Dec ns di Waste I TEM D	con Unit In Contractor's I → Lead Out In Other: Visual Only In None	Equipment
U Duct Work Fixtures Field Observations	ertical Surfac	ces ⊠ Dec ns_ □ Waste I TEM □	con Unit In Contractor's I → Lead Out In Other: Visual Only In None	Equipment
Unit Duct Work Fixtures Field Observations Work Area CLEARANCE: Acknowledge that I instant	ertical Surface nclosed Item CM spected this v	res ⊠ Dec ns_ □ Waste I TEM □ work area on t	con Unit ⊠r Contractor's I	Equipment
U Duct Work Fixtures Field Observations Work Area CLEARANCE: Acknowledge that I ins Fuss & O'Neill Inspector	CM	ITEM □ work area on the second secon	con Unit ⊠r Contractor's I → Lead Out □ Other: Visual Only □ None his day. Pon G	Equipment Performed
U Duct Work Fixtures Field Observations Work Area CLEARANCE: Acknowledge that I ins Fuss & O'Neill Inspector	Price Price Price	ITEM C work area on the Superatory of the RINTED	con Unit ⊠r Contractor's I → Lead Out □ Other: Visual Only □ None his day. →	Equipment Performed
Unit Duct Work Fixtures Field Observations Field Observations WORK AREA CLEARANCE: Acknowledge that I ins Fuss & O'Neill Inspector I have read and unders	rectical Surface nclosed Item conclosed Item concl	ITEM □ work area on the Superior results.	con Unit ☑ Contractor's I ► Lead Out □ Other: ► Visual Only □ None his day.	Equipment Performed
Duct Work Field Observations Field Observations Work Area CLEARANCE: Acknowledge that I ins I acknowledge that I ins Fuss & O'Neill Inspector I have read and unders Contractor's Superviso	PR CM Spected this vor: PR stand the insport: Stand the insport:	ITEM work area on the Superior results.	con Unit Incontractor's Incontract	Equipment Performed



Final Visual Inspection Form





Final Visual Inspection Form

P					Asl	pestos /	Abatement
Date: 629 20	Rem	oval	Encapsu	lation D E	nclosure 🛛 Re	pair E	I Cleanup
PROJECT NAME:	Hebeon	Elen	rentary S	Uhost	PROJECT NO .:	2016	0168.W30
SITE LOCATION:	92 Chur	h sĩ	Hebrua	CT BUILDING:	1947 Section	-Ball	PASS
WORK AREA:	Bathrow	n 9	in Plum	Ling Wal	1		
CONTRACTOR:	Selevi	M Se.	ivices	<u> </u>			Star y Star
ANeg Pressure	Contain. 🗖	Mini-E	nclosure	Glovebag 🗆	Other (Describe	Below)	□ None
MATERIALS ABAT	ED IN THIS	SPECIFIC	WORK ARE	A:			10.5-01-5
1. Pipe and n	wided	QTY:	the m	2.		QTY:	
4. Insulut	100	QTY:	ZYLF	4.		QTY:	
5.		QTY:		6.		QTY:	
7.		QTY:		8.		QTY:	
9.		QTY:		10.		QTY:	
SUSPECT ACM R	EMAINING IN	CONTA	INMENT NOT	SPECIFIED FO	R REMOVAL	1.1	
1.		QTY:		2.		QTY:	
3.		QTY:		4.		QTY:	
SURFACES INSPEC	CTED		a second	12 S. S. C. S. W.S.			31/4 335 335
Instruction	s: Checks	surfaces	s that pass.	Circle surfa	ces that fail. St	rike thro	ugh N/A.
IZ, Floor	Horizo	ontal Su	rfaces 🛛	Pipes	Mechanical	Equipme	ent_
Duct Work	🗖 Vertica	al Surfa	ces 🗹 🛛	Decon Unit	Contractor's	Equipm	ent
D Fixtures	C Enclos	sed-Iten	as 🖬 Wa	ste Load Out	□ Other:		
FIELD OBSERVATI	ONS		12.5.123	0.00	611-2002-201		
				7			
WORK AREA CLEARANCE:	р РСМ	Γ	TEM	□ Visual On	ly 🗆 None	e Perforr	med
ACKNOWLEDGEME	INT			2.12		20122	
I acknowledge th	at I inspec	ted this	work area o	on this day.	0		
Fuss & O'Neill In	spector:) () P	Saleman_ RINTED		SIGNATURE		
I have read and u	Inderstand	the ins	pection resu	ults.		$\overline{\Lambda}$	
Contractor's Sup	onvieor:	Stert	2 Milliant		CAL	(
Contractor S Supr		P	RINTED		SIGNATURE		



Appendix L

Waste Shipment Record

NIFORM HAZAR	DOUS 1. Gene	rator ID Number	2.12	2. Page 1 of	3. Emerge	ncy Response	Phone .	4. manifest		1557		1 1
WASTE MANIFE	EST	CTP0000334	308	1	180	\$ -424-2	CENCO.424	HOOT C	2004	1001	1	LL
Generator's Name Town 25 Gi Hebr	and Mailing Address of Hebron llead Street on, CT 0624	** ***			Generators	Sile Address Town of 93 Chur Hebron,	(if different the Hebron ch Street CT 0624	an malang adores 8	(5)			
enerator's Phone: Transporter 1 Com	voany Name	-001-1002						U.S. EPA ID	Number	1.1.1.1.1		
RED	Technolog	les LLC (Portland)						1 1	CTROOC	505958		
Transporter 2 Com	noany Name							U.S. EPA ID	Number	NYT	1006	âx
EQN	tortheast	TRANSPOLO	Foren	o LATE	3.			1	MAD084	814136	-	
Designated Facilit	v Name and Sile A	ddress						U.S. EPAID	Number			-
Stab 760 Blair	lex Canada Boulevard In nville, QC J7 450	inc. ndustriel /C3V4 .430.9230					Ð	1	NYD98	0756415		
a. 9b. U.S. DO and Packing	T Description (Incluing Group (if any))	uding Proper Shipping Name, H	azard Class, ID Numbe	er,		10. Conta No.	ainers Type	11. Total Quantity	12, Unit Wt_Vol.	13.	Wasle Code	s
1. 11	N3077 Was	to Environmentally	hazardous su	bstances.	solid.		CE	180	D	Doug	608	
х п.	o.s. (LEAD)	,9,111, RQ				001	1	500	60 ^r	P	000	
2.												
3.		and the second			-		-		-		-	-
		(4)										-
4.												
C. Barris												
14. Special Handlin 1)Pro	ng instructions and ofile#AOC 0	Additional Information D L 2361811E19020 L	LC is acting as EAD DEBRIS	2998 Sales s intermed DOTERG	s Order tlary to f #171	3634 J facilitate (ob 20-00 export	 1; Weight I	s estim	ated RE	D Tech	nok
14. Special Handlin 1)Pro 15. GENERATOR marked and la Exporter, I cer I certify that th Generator's/Offeror	g Instructions and offile#AOC 0 2/S/OFFEROR'S C abeled/placarded, a tify that the conten te waste minimizat 's Printed/Typed N	Additional Information	LC is acting as EAD DEBRIS are that the contents of condition for transport to the terms of the atta FR 262.27(a) (if I am a	2998 Sales s intermed DOT ERG this consignme according to ap according to ap according to ap according to ap	s Order tlary to f #171 ht are fully a plicable inter owledgment enerator) or Signalure	3634 J facilitate ind accurately mational and r of Consent. (b) (if I am a s	ob 20-00 export described abover rational govern mail quantity g	1; Weight is we by the proper s mental regulation experiator) is true.	s estima shipping nam is. If export s	ated RE	D Techi assilied, pac I am the Prir	kage
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EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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	E.P.A.	AGENCY	# 127938
	EMERGENCY CONTACT	800-424-9300 (CCN 836445	
173 Pickering Street Portland, CT 06480 (860) 342-1022 Fax: (860) 342-1042	EPA New England 1 Congress Street Boston, MA 02114-2023 (617) 918-1111	EPA Region 2 290 Broadway, 26th Floor New York, NY 10007-1866 (212) 264-6770	392404
TK#127938	WASTE SHIP	MENT RECORD	MassDEP Asbestos Notification Number
Job Number P.O Contractor SERCETIVE SER Address MAIN ST City MAN CHESTER Sta Contact Name DEL Tele Date Container Del Dat Type of Container Address Dat VOLUME SCY MUST BE IN CUBIC MADS Friable RQ, NA2212, Asbestos, 9, 1 Bag Drum Wrapped Othe I certify the above named material does not contain any applicable state law, has been properly describe found in 40 CFR part 61.150. Shipper's Certification: I hereby declare that the marked and labeled/placarded, and are in all respect	.# VICE; LLC te_CT_zip_DG040 phone_\$60324-8000 e of Pickup DX Non-Friable PG, III Cubic Yard Box r free liquid as defined by 40 CFR part rd, classified and packaged, and is in p contents of this consignment are fully ts in proper condition for transportace Mathematical Construction for transportace	GENERATO TOWN OF HOBAG Address 15 GILEAD ST City HENSRON Phone Number 860 22 WORKSITE / O HEDRON ELEMENT Address CHURCH City HEDRON Phone Number 860 22 CITY Address CHURCH City HEDRON Phone Number 860 22 CITY Address CHURCH City Phone Number 860 22 CITY Address CHURCH City Phone Number 860 22 CITY	DR/BUILDING OWNER W, CT State $2ip$ $\delta = 5971$ GENERATING LOCATION WAY SCHODL ST CT 06248 State Zip 28-5971 a hazardous waste as defined by 40 CFR part 261 o ing to NESHAP standards for asbestos waste disposa roper shipping name, and are classified, packaged onal government regulations.
Transporter 1: SAME	ts TRANSPORTE	R 2	
Driver: Signature Transporter 1 Certifica	Top MROST	Registration #: <u>COCCOC</u> State / state	$\frac{1}{\frac{1}{20}}$
	ansport according to applicable inter	national, federal, state, and local regula	tion."
Driver: Name A	2, 10 Northwood Drive Bloom	Address Registration #:	860-218-2428 Telephone # Date:
Signature Transporter 2 Certifica for tra	ation: "I hereby certify that the conte	State / a nts of this shipment are in all respects ir national, federal, state, and local regula	# n the proper condition tion."
Transfer Facility: RED Technologies	LLC, 203 Pickering Street, Po	ortland, CT 06480	860-342-1022
By: Broules W.	Farker	Transfer Date: 7/20/2	Telephone #
Discrepancy:		1 1	
Т	ransfer Facility: Certification of trans	fer of materials covered by this manifes	t
Transporter 3:			330929-7076
Driver:		Address Registration #:	Telephone # Date: 1/2// Co
Signature Transporter 3 Certifica for tra	tion: "I hereby certify that the conte nsport according to applicable inter	State / # hts of this shipment are in all respects in national, federal, state, and local regular	# The proper condition tion."
Landfill Name:Minerva Enterprises		Q Landfill Name:	
_ocation: _9000 Minerva Rd. Waynesburg	g, OH 44688	H Location:	
Ph: <u>330-866-3435</u> Perm	it #_ P0104984	E R Ph:	Permit #
Approximate Volume of Asbestos Received			

Adauto	
Province	
Certification of transfer of materials covered by this manifest	

Adaito

Discrepancy If Any: _

Received by:___

DESIGNATED FACILITY TO GENERATOR

Date: 7/22/20

Silver Petrucelli & Associates, Inc.

3190 Whitney Avenue, Bldg 2 Hamden, CT 06518 2032309007 bpetrucelli@silverpetrucelli.com http://www.silverpetrucelli.com



BILL TO

Town of Hebron Mr. Andrew Tierney 15 Gilead Street Hebron, CT 06248



INVOICE # 20-2041 DATE 09/01/2020 DUE DATE 10/01/2020 TERMS Net 30

PLEASE DETACH TOP PORTION AND RETURN WITH YOUR PAYMENT.

SP&A JOB NUMBER PROJECT MANAGER 19.003 KE

ACTIVITY	FEE AMOUNT	RATE	AMOUNT
Services Grant pre-application services	7,750	1.00	7,750.00
SD-Schematic Design Schematic Design	9,200	1.00	9,200.00
CD-Const Docs Construction Documents	22,900	1.00	22,900.00
BID Bid Phase	3,600	1.00	3,600.00
CA-Const Admin Construction Administration 95% completed, 5% billed this month	17,500	0.95	16,625.00
Total Fee Total Fee	60,950		
Add. Services cost per meeting beyond those specified in the RFP	530		
Add. Services costs per week for CA beyond the schedule in the Construction C	820 D		
Printing Services printing previously invoiced	800	1.681275	1,345.02
Consultant Fuss&O'Neill CO1, CO2, Hazmat svc, CA, Health Risk Assessmt	70,188.60	0.9648356	67,720.46
-Fuss and O'Neill \$2468.14 billed this month			2,468.14
Previously Billed			-128,265.48
Drinking water-contamination remediation project BA	ALANCE DUE		\$3,343.14

Hebron Elementary School mailto:EGriffin@hebronct.com EMAIL

				Al	A DOCUM				
							INV	VOICE NO:	20-2041
							INVO	ICE DATE:	9/1/2020
							P	8/31/2020	
Hebron Elementary School					AR	ARCHITECT'S PROJECT NO:			19.003
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А		В	С		D		Е		F
DESCRIPTION OF WORK	0	CONTRACT	WORK CON	MPL	ETED		TOTAL	%	
		AMOUNT	PREVIOUSLY		THIS	0	COMPLETED		
BASE CONTRACT			BILLED		INVOICE		TO DATE		
SCHEDULE OF VALUES				I	ncludes 10%				
			Includes 10%	ma	arkup on F&O				BALANCE TO
			markup on F&O fees		fees				COMPLETION
Grant pre-application	\$	7,750.00	\$ 7,750.00			\$	7,750.00	100.00%	\$ -
Schematic Design	\$	9,200.00	\$ 9,200.00			\$	9,200.00	100.00%	\$ -
Construction Documents	\$	22,900.00	\$ 22,900.00			\$	22,900.00	100.00%	\$ -
Bid	\$	3,600.00	\$ 3,600.00			\$	3,600.00	100.00%	\$ -
Construction Administration	\$	17,500.00	\$ 15,750.00	\$	875.00	\$	16,625.00	95.00%	\$ 875.00
Add. Service/cost per meeting beyond specified \$530.00	\$	-							
Add. Service/cost per week for CA beyond schedule \$820.00	\$	-							
Printing Services	\$	800.00	\$ 1,349.09	\$	-	\$	1,349.09	168.64%	\$ -
CONSULTANT: F&O Addendum #1 (Hazmat Svc & CA)	\$	29,755.00	\$ 27,776.10	\$	1,978.90	\$	29,755.00	100.00%	\$ -
CONSULTANT: F&O Addendum #2 (Heath Risk Assessmt)	\$	34,293.60	\$ 33,966.54	\$	327.06	\$	34,293.60	100.00%	\$ -
CONSULTANT: F&O Addendum #3 (Water Sampling+PM)	\$	6,140.00	\$ 5,977.82	\$	162.18	\$	6,140.00	100.00%	\$-
Totals	\$	131,938.60	\$ 128,269.55	\$	3,343.14		\$131,612.69	99.75%	\$ 875.00

F+O Invoice #0220751 (MAR) + #0223245 (JUN) + #0223739 (JUL) Backup Per S/P+A Invoice #20-1539

Addendum #3 - 6/7/2019 - Lead in Water Consulting Services										
Task		Total Fee:		Previously Billed		This Period:		Balance to Completion:		
Task: 10 (Prop 2) Water Sampling - Labor	\$	2,150.00	\$	2,188.00	\$	-	\$	(38.00)		
Task: 15 (Prop 3) Laboratory Analysis	\$	220.00	\$	143.90	\$	21.10	\$	55.00		
Task: 34 (Prop 2) Project Management & Meetings	\$	2,071.50	\$	2,147.00	\$	-	\$	(75.50)		
Task: 35 (Prop 1) Building Committee Meetings	\$	1,140.00	\$	1,081.50	\$	-	\$	58.50		
F&O Totals:	\$	5,581.50	\$	5,560.40	\$	21.10	\$	0.00		
Totals Including 10% S/P+A Markup	\$	6,140.00	\$	5,977.82	\$	162.18	\$	0.00		

Note: \$138.63 of the \$162.18 above is for the markup that was not collected due to the town paying F&O directly on F&O's first invoice under Amd #3, which did not include S/P+A markup.

Addendum 1 - 9/17/2019 - Additional Services to Provide Hazmat Consultating Services										
Task		Total Fee:		Previously Billed		This Period:		Balance to Completion:		
Task: 10 (A1+A3) Inspection, Labor and Report	\$	7,950.00	\$	7,950.00	\$	-	\$	-		
Task: 15 (A2) Laboratory Analysis	\$	6,850.00	\$	6,320.00	\$	92.25	\$	437.75		
Task: 22 (B1+B2) Pre-Bid Meeting/RFIs	\$	824.00	\$	1,223.00			\$	(399.00)		
Task: 25 (B3) Specifications	\$	2,000.00	\$	2,000.00	\$	-	\$	-		
Task: 28 (B4) Contractor Submittal Review	\$	412.00	\$	721.00	\$	-	\$	(309.00)		
Task: 30 (C1) Project Monitoring	\$	3,920.00	\$	2,853.60			\$	1,066.40		
Task: 34 (C3) Project Management	\$	2,060.00	\$	4,183.40	\$	428.55	\$	(2,551.95)		
Task: 36 (C1.1+C1.2) PCM Bkgrnd/Final Air Analysis	\$	850.00	\$	-	\$	-	\$	850.00		
Task: 38 (C2+C4) Air Samp Pumps/Reimb. Expenses	\$	675.00	\$	-	\$	-	\$	675.00		
Task: 40 (C5) Documentation Report	\$	1,500.00	\$	-	\$	1,269.20	\$	230.80		
F&O Totals:	\$	27,041.00	\$	25,251.00	\$	1,790.00	\$	-		
Totals Including 10% S/P+A Markup	\$	29,755.00	\$	27,776.10	\$	1,978.90	\$	0.00		

Addendum 2 - 10/9/2019 - Health Risk Assesment

<u>Task</u>	Total Fee:	Previously Billed	This Period:	Balance to Completion:
Task: 10 Gradient Corporation plus 15% Markup	\$ 29,900.00	\$ 29,893.42	\$ 6.58	\$ 0.00
Task: 20 Fuss & O'Neill Meeting Support	\$ 1,276.00	\$ 985.25	\$ 290.75	\$ -
F&O Totals:	\$ 31,176.00	\$ 30,878.67	\$ 297.33	\$ 0.00
Totals Including 10% S/P+A Markup	\$ 34,293.60	\$ 33,966.54	\$ 327.06	\$ 0.00



Remit to: Fuss & O'Neill, Inc. 146 Hartford Road Manchester, CT 06040 t 860.646.2469 f 860.649.6883

 Remit to:
 For EFT/ACH:

 Neill, Inc.
 Bank of America

 ord Road
 ABA 011900254

 CT 06040
 Acct 385016029253

 .646.2469
 FEIN: 06-0845648

 .649.6883
 INVOICE

Beth Petrucelli Silver/ Petrucelli + A 3190 Whitney Aven Building 2 Hamden, CT 06518	Associates ue 3			September 17, 2 Invoice No: Project Manager Purchase Order:	020 0225426 Kathleen F	ane
				Invoice Total	\$927.00	+ 10% S/P Markup = \$1,019.70
Project <u>Professional Servi</u>	20160168.W30 ces through Augus	Hebron Eleme <u>t 22, 2020</u>	ntary School-Haza	rdous Materials Consult	ng Services	
Task	000034	Project Management				
Professional Perso	onnel					
			Hours	Rate	Amount	
Associate						
Pane, Kat	hleen		4.50	206.00	927.00	
	Totals		4.50		927.00	
	Total Labor					927.00
				Total this Tas	sk	\$927.00
				Total this Invoid		\$927.00
Outstanding Balar	ices as of Invoice D	ate				
	Number	Date	Balance			
	0219530	2/10/2020	97.50			
	0224679	8/17/2020	520.80			
	Total Outstanding		618.30			
		Current	Prior	Total		
Invoiced to Date		927.00	25,771.80	26,698.80		

Hungerfords Incorporated Pump Service

PO Box 748 PO Box 748 North Haven, CT 06473-0748 Phone (203)248-5541 Fax (203) 230-4799 www.HungerfordsPumpService.com

Bill To:

Hebron Board of Education 580 Gilead Street Hebron, CT 06248

SERVICE INVOICE

Date	Invoice #
8/31/2020	87091

CT Lic# P1-0204646

Service Site:

Hebron Elementary 92 Church Street Hebron, CT

Service Date	P.O. Number	Terms		Due Dat	le	Rep		Account #		Project
8/25/2020		NET		8/31/202	:0	BR				
	Description		Q	uantity		Serviced		Price Each		Amount
Commercial Ser Ordered sample from five locatio getting samples	rvice Call bottles and pull ns. Wayne will t to the lab. OK PO/Acc S	ed samples ake care of count Number Date			8/25	/2020		54	0.00	540.00
						;	Sub	total		\$540.00
							Sale	s Tax (0.0%	%)	\$0.00
							Tota	1		\$540.00
		Payments/	Credi	ts	\$C).00	Bal	ance Du	е	\$540.00



<u>Invoice</u>

Invoice #: 876476 Invoice Date: 09/04/20

- From: Phoenix Environmental Laboratories, Inc 587 E. Middle Turnpike, Box 370 Manchester, CT 06045-0370 (860) 812-0270 Fax (860) 645-0823
- To: Attn: Accounts Payable Hebron Board of Ed 580 Gilead Street Hebron, CT 06248

Submittal Date: Purchase Order #:	08/25/20	Project Manager:	Mr. Wayne Durocher
Turnaround Time: Lab SDG:	Standard GCG60881		
Project ID:	SPECIAL WELL SAMPLING		
Sample ID:	CG60881, CG60882, CG60883, CG608	84	

The following charges are due for the indicated samples(s) which were submitted to this laboratory.

Description	Qty	Unit Price	Total Price
Field Services	1	\$45.00	\$45.00
Tot. Diss. Solids	. 4	\$12.00	\$48.00
Sulfate	4	\$15.00	\$60.00
Silica	4	\$85.00	\$340.00
pH	4	\$10.00	\$40.00
Manganese	4	\$12.00	\$48.00
Lead	4	\$12.00	\$48.00
Iron	4	\$12.00	\$48.00
Free Chlorine	4	\$12.00	\$48.00
CT EDI Reporting	1	\$10.00	\$10.00
Copper	4	\$12.00	\$48.00
Conductivity	4	\$12.00	\$48.00
Chlorine Residual	4	\$12.00	\$48.00
Chloride	4	\$15.00	\$60.00
Calcium	4	\$12.00	\$48.00
Alkalinity-CaCO3	4	\$14.00	\$56.00
Hardness (CaCO3)	4	\$14.00	\$56.00

Continued on Next Page...

Remit To: Phoenix Environmental Laboratories, Inc Box 370 Manchester, CT 06045-0370 FID#: 06-1240980 ACH (Updated Oct 2018):

Sylena Edlund accountsreceivable@phoenixlabs.com (860) 647-1785 Invoice Inquiries:

Sarah Bell sarah@phoenixlabs.com (860) 558-0726

For each ACH transfer please note invoices to be paid and email accounts receivable at accountsreceivable@phoenixlabs.com Interest at 1.5% per month charged to accounts due over 30 days. Collection expenses incurred will be charged.

Cust Code: HEBRON Cust Id: H17302 Quote #: Page: 1 of 2



<u>Invoice</u>

Invoice #: 876476 Invoice Date: 09/04/20

Cust Code: HEBRON Cust Id: H17302 Quote #: Page: 2 of 2

Invoice Total

\$1,099.00

- From: Phoenix Environmental Laboratories, Inc 587 E. Middle Turnpike, Box 370 Manchester, CT 06045-0370 (860) 812-0270 Fax (860) 645-0823
- To: Attn: Accounts Payable Hebron Board of Ed 580 Gilead Street Hebron, CT 06248

Submittal Date: Purchase Order #: Turnaround Time: Lab SDG:	08/25/20 Standard GCG60881	Project Manager:	Mr. Wayne Dur	ocher
Project ID:	SPECIAL WELL SAMPLING	<u>1</u>	I	
Sample ID:	CG60881, CG60882, CG608	83, CG60884		
			Sub Total	\$1,099.00

Remit To:

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Invoice #: 876476 Invoice Date: 09/04/20

Cust Code: HEBRON Cust Id: H17302 Quote #: Page: 1 of 2

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Submittal Date: Purchase Order #:	08/25/20	Project Manager:	Mr. Wayne Durocher
Turnaround Time: Lab SDG:	Standard GCG60881		
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Continued on Next Page...

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ACH (Updated Oct 2018):

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<u>Invoice</u>

Invoice #: 876476 Invoice Date: 09/04/20

Cust Code:	HEBRON
Cust Id:	H17302
Quote #:	
Page:	2 of 2

Invoice Total

\$1,099.00

- From: Phoenix Environmental Laboratories, Inc 587 E. Middle Turnpike, Box 370 Manchester, CT 06045-0370 (860) 812-0270 Fax (860) 645-0823
- To: Attn: Accounts Payable Hebron Board of Ed 580 Gilead Street Hebron, CT 06248

Submittal Date: Purchase Order #: Turnaround Time: Lab SDG:	08/25/20 Standard GCG60881	Project Manager:	Mr. Wayne Dure	ocher
Project ID:	SPECIAL WELL SAMPLING			
Sample ID:	CG60881, CG60882, CG60883	3, CG60884		
			Sub Total	\$1,099.00

Remit To:

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