

# State of Rhode Island Department of Administration / Division of Purchases One Capitol Hill, Providence, Rhode Island 02908-5855 Tel: (401) 574-8100 Fax: (401) 574-8387

## Solicitation Information December 19th, 2019

#### ADDENDUM # 3

RFQ# 7599833

**TITLE: Various Demolition Projects for RIDEM** 

Submission Deadline has been extended to:

Tuesday December 31st, 2019 at 9:30 am (EST)

## **Note to vendors:**

#### **Attached includes:**

- Questions received with answers. No more questions will be answered.
- Abatement plans for those sites requiring one
- Clarification regarding structures at Arcadia Caretakers Hut

## Max Righter Senior Buyer

Interested parties should monitor this website, on a regular basis, for any additional information that may be posted



#### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration Division of Purchases One Capitol Hill, 2<sup>nd</sup> Floor Providence, RI 02908 TEL: (401) 574-8100 FAX: (401) 574-8387 TDD: (401) 574-8228

Website: www.ridop.ri.gov

**Questions Received** 

Solicitation #7599833

**Various Demolition Projects for RIDEM** 

- 1. Can all concrete foundation remains be drilled and buried 3' below grade or does that only apply to locations that do not specifically call out the complete removal of foundation remains?
  - Answer: All concrete foundation remains may be drilled and buried 3' below grade, according to Spec. 02060 Building Demolition, unless otherwise noted on the plan set. For example, page C6 of the plans specify that the slab of the hatchery building remain after demolition.
- 2. Are there any electrical services to any of these buildings that need to be disconnected? Answer: Yes, sites will need to be field verified if electricity service remains. Many of the sites were disconnected, however, some of the sites may still need to be disconnected. DEM has provided the disconnect letters we have in our records within this addendum.
- 3. Unit prices are listed on the bid form for each property. Is this a lump sum bid? Are these unit prices to add or delete projects from the bid?
  Answer: This project is a lump sum bid. The unit prices are requested so that DEM can allocate its funding sources appropriately to each demolition site. It is not anticipated that any sites will be added or deleted from the scope.
- 4. What testing laboratory services should we be carrying in our bid per section 01410?

  Answer: RIDEM requests that the contractor carries any testing services necessary to properly abate hazardous material found at the site. Please find inspection reports of each property, prepared by Environmental Consulting & Management (ECM), within Appendix A of the project manual.
- 5. Please note that ECM also has prepared abatement plans for those sites requiring one. These plans are included within this addenda.
- 6. Clarification: The two sizable collapsed structures to the East and N. East of the Hut, are to be removed. Concrete foundations may be demolished according to Spec. 02060.

## nationalgrid

55 Bearfoot Rd Northborough MA 01532

June 4, 2019

RE: Service Removal for Building Demolition 36 Grantville Rd, Apt B Hope Valley, RI

To Whom It May Concern,

This letter is to confirm that, per your request, National Grid has confirmed electrical meter # 98768391 and service line have been removed from 36 Grantville Rd, Apt B in Hope Valley, RI. The work was processed on work request 28435735.

If you have any questions or need further assistance, please feel free to contact me at (508) 357-4662.

Sincerely,

Shayna Chalmers

**NE Standard Connections** 

nationalgrid

## national**grid**

55 Bearfoot Rd Northborough MA 01532

May 31, 2019

RE: Service Removal for Building Demolition 0 E Watchaug Pond Rd.
Bradford, RI

To Whom It May Concern,

This letter is to confirm that, per your request, National Grid has confirmed electrical meter # 13255319 and service line have been removed from 0 E Watchaug Pond Rd in Bradford, RI. The work was processed on work request 28435335.

If you have any questions or need further assistance, please feel free to contact me at (508) 357-4662.

Sincerely,

Shayna Chalmers

**NE Standard Connections** 

national**grid** 

## nationalgrid

40 Sylvan Rd Waltham MA 02451

June 3, 2019

RE: Service Removal for Building Demolition 1037 Hartford Pike. Scituate, RI.

But Aik

To Whom It May Concern,

This letter is to confirm that, per your request, National Grid has confirmed electrical meter # 25186909 and service line have been removed from 1037 Hartford Pike. Scituate, RI. The work was processed on work request 28435169.

If you have any questions or need further assistance, please feel free to contact me at (508) 357 4657.

Sincerely,

Brett DiGiovanni

Standard Connections NE

national**grid** 

#### RHODE ISLAND DEPARTMENT OF HEALTH

#### NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility: <b>Chopmist</b>	Forestry Building			
Address: 1037 Old	Hartford Pike			
City/Town: Scituate	2	Zip: <b>02857</b>	Amendment Phase No:	
Abatement Plan Writt	en By: <b>Joseph Lepor</b>	e	Certification No: AAC-661-PD	
Summary of specific	waivers/variances bein	g requested: so	e attachment #4	<del></del>
Type of Asbestos Aba	ntement () Removal (X) Demoliti () Other (sp	on ( ) Glo	losure ( ) Encapsulation vebag ( ) Asphalt Roofing	
Is this plan being sub Submit an Asbestos A	_		ation and/or a Notice of Requireme $old X$ ) No	nt to
<b>If yes, Indicate Notic</b> Contractor: <b>TBD</b>	e/Building Evaluatio	n No(s):	License No: LAC-	
Estimated Starting Da	ate: 06/04/18			
Pre-Abatement Sa	mpling Information	İ		
Bulk Samples Collect	ed By: Joseph M. Le	epore	Certification No: 0661IS	
Bulk Samples Analyz	ed By: San Air		Certification No: AAL-143	
Air Samples Analyze	d By: ECM Inc		Certification No: AAL-131	
<b>Clearance Air Sam</b> Air Samples to be Co		ersonnel		
Air Samples to be An	alyzed By: ECM In	ıc	Certification No: AAL-131	
Asbestos Control Act abatement/management a prescribed in this plan (w	s abatement plan is prepare and Parts A and C o ctivities performed in conju- then approved) and the mos	f the RI Rules anction with this p t current revision	nder the provisions of Section 23-24.5-6 of and Regulations for Asbestos Contolan must be in compliance with the specific of all applicable federal and state regulation must be performed by a RI licensed of the specific of	trol; all fications ons; and
Certified by:	fD::11: 0	Title:		
	inted Name of Certifier)	Date:		
Subscribed and s	worn before me this	day of	, 20	
***************************************			on Expires:	
(Notary P <b>AFFIX NOTAR</b>				

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS Department of Health Office of Occupational & Radiological Health

## APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1.	Building Owner's Name: Rhode Island DEM	
2.	Application Prepared By:  Joseph M. Lepore  RI certification No: AAC-661-PD  Telephone No: 401-304-6614	
3.	Building Owner's Mailing Address and Telephone Number	::
	Street: 235 Promenade Street	
	City/Town: Providence	
	Zip: <b>02903</b>	
	Telephone No.: 401-222-2776	
	(Area Code, No., Ext.)	
4.	Person to be contacted regarding this application:	
	Name: David DeCost	
	Telephone No: (401) 222-2776 x4312	
	(Area Code, No., Ext.)	
5.	Location where abatement work will be performed:  Name (if applicable): Chopmist Forestry Building Street: 1037 Old Hartford Pike	7: 02057
	City/Town: Scituate	Zip: <b>02857</b>
6.	Is this application being submitted in response to a "N Asbestos Abatement plan"? ( ) Yes (X) No	lotice of Requirement to Submit an
If	Yes, what is the due date for submittal of Abatement plan? _	
Ev	valuation Number on the Notice:	(Mo.) (Day) (Yr.)
7.	Contractor who will be performing abatement work (if sele	cted):
	Name: <b>To be selected</b> R.I	I. License No.: LAC-
FO	ORM ASB – 16 (11/2003) REPLACES FORM ASB 16 (3/92)	WHICH IS OBSOLETE

8. Estimated Starting Date of Abaten	06 (Month)	04 (Day)	<b>2018</b> (Year)	
9. Estimated Completion Date of Ab	atement Work:	12 (Month)	31 (Day)	<b>2018</b> (Year)
10. Type of Asbestos Abatement:	(Chec	k all that	apply)	
(X) Removal		( ) En	closure	
( ) Encapsulation		( ) De	molition	
( ) Operations and Maintenance	Only	Account to the second s		
11. Type of Building:	( ) School ( ) Privately C (X) Publicly O ( ) Residence ( ) Other (Spe	wned Buil	_	_
12. Building Access:	( ) Public Acc ( <b>X</b> ) Limited Pu ( ) No Public	blic Acce		ilding Area) % of Building Area)
13. Bulk Sample Collection and Anal A). Person collecting bulk samp				
Name: Cynthia Gilchrest	RI	Certificat	ion No.:	0937
B). Sampling Methodology: (X) EPA AHERA Sampling	; requirements [40	CFR 763	.86].	
( ) EPA's Asbestos Contain (EPA-405/2-78-014) or Gu 1985 Edition (EPA-560-5-8	idance for Contr			
( ) Other (Specify)				
C). Laboratory performing the a	malysis of the bul	k samples		
Name: RI Certification		No.: A	AAL-	
D). Analytical Methodology:				
(X) EPA Interim Method Samples [PLM method only		ination of	f Asbes	tos in Bulk Insulation
( ) Other (Specify)				

14. Pre-Abatement Air Sample Collection	ction and Analysis:
A). Person collecting pre-abater	nent air samples:
Name: ECM Personnel	Affiliation: ECM
B). Laboratory performing analy Name: <b>ECM Inc</b>	ysis of pre-abatement air samples. RI Certification No.: <b>AAL-131</b>
C). Methodology used in the co	llection and analysis of pre-abatement samples:
(X) NIOSH Method 7400 [1	Most Current Revision]
( ) OSHA 29 CFR 1926.11	01 – Appendix A & B
( ) Other (Specify)	
the abatement site. If a h disposal site, they must also  To be determined	asbestos containing material (RACM) will be removed from auler or broker will be used to transport the RACM to a be identified.
	ansferred for disposal (if known).
To be determined	

16. Person designated as compliance monitor for abatement work. [NOT REQUIRED]

Name: ECM Personnel

Affiliation: ECM

17.	In-Process	& Clearance	Air Sampling:	See Attachment	#1
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- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.
- 18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 - Interior

19.	I certify that this plan was prepared by me and I a	ım respo	onsible f	or its	content.	
	Signature:	Date	04	20	2018	
			(Month)	(Day)	(Year)	
	Affiliation: ECM Inc.					

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

(	) Operation & Maintenance Only	\$ 75
(	) Up to One (1) NESHAP Unit	\$ 75
(	) Between One (1) & Ten (10) NESHAP Units	\$ 300
(	) Between Ten (10) & Fifty (50) NESHAP Units	\$ 600
(	) Over Fifty (50) NESHAP Units	\$ 900
(2	K) RI State Agency Waived Application Fee	

#### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

#### Department of Health

## Office of Occupational & Radiological Health

#### APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

#### SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: 1037 Old Hartford Pike, Scituate

**INSTRUCTIONS:** All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification

(Room Name/No., Evaluation Number, etc.):

#### Area 1 - Interior

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

#### Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

#### Refer to Attached Building Drawing

#### (4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

#### Refer to Attachment #3

(4) PRO	POSED REMEDIES (co	ont.):	•
B). Will	any portion of this area (X) Yes ( ) No	be abated by use of B.8	work procedures?
	If Yes, indicate below work procedures:	which RACM in this ar	ea will be abated by use of the following B.8
	B.8.2 & B.8.3	[REMOVAL]	
	B.8.2 & B.8.4	[ENCAPSULATION	]
	B.8.2 & B.8.5	[ENCLOSURE]	
	B.8.6	[DEMOLITION	Floor Tile, Linoleum, Transite Panels
	B.8.7	[GLOVEBAG]	
	B.8.8	[ASP. ROOFING]	
	you requesting any wai vities in this area?	vers to the above selec	ted B.8 procedure for any of the abatement
	( ) Yes (X) No		
	<b>-</b>	-	rers requested you are proposing to utilize.  (s) of the regulations for which waivers are
D). Are	• • • •	ve procedures under B.	11 for any of the abatement activities in this
	( ) Yes (X) No		
H		ocedures must include a	nate procedures requested you are proposing justification for not following specific ve of public health.
E). Will	any RACM remain in the	nis area after abatement	?
	( ) Yes ( ) No	(X) Beyond scope of	inspection
	•	nance Plan that will be	will remain and the details of the on-going implemented in accordance with C.1.2(b).

AGENCY USE ONLY

#### **ATTACHMENT #1**

#### In Process and Clearance Air Sampling

- A. If requested by the building owner, ECM will be on site for part time monitoring and will collect one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the interior areas have passed the consultant's visual inspection, he or his authorized representative will collect:
  - Area 1 -OSHA Personnel Samples will be submitted by Abatement Contractor. If the building is going to be occupied prior to demolition 5 PCM clearance air samples will be collected.
- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the recleaning and re-sampling of an area should clearance air samples exceed 0.01 f/cc.

## ATTACHMENT #2

## ASB-16A-2

**Description of Asbestos Containing Material** 

## Chart 1.1 – ACBM Sample Chart

Sample #	Material	Location	Asbestos %	Quantity
01A-E	9x9 Floor Tile	Original Portion of the First Floor and Second Floor	5% Chrysotile	~2000sf
02A-E	Black Mastic on Wood Floor	Under 9x9 Floor Tile	<1% Chrysotile	NA
03A-C	1x1 Ceiling Tiles	Throughout	None Detected	NA
04A	Linoleum	Bathrooms	30% Chrysotile	120sf
05A-C	2x4 Ceiling Tiles	Ground Floor Addition	None Detected	NA
06A	Insulation on Ducts	Ground Floor Addition	None Detected	NA
07A	Attic Insulaton	Unfinished Attic Space	None Detected	NA
08A-B	Transite Panels	Boiler Room Walls and Ceilings	20% Chrysotile	260sf
09A-C	Boiler Packing	Boiler Gun Packing	None Detected	NA
010A	Tar Paper Under Siding	Exterior Siding	None Detected	NA
011A-C	Roofing	Exterior Roof	None Detected	NA

## ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

- Pre-Abatement Air Sample
   Bulk Sample Results



**Environmental Consulting** & Management Inc. 181 Amaral Street Riverside, RI 02915 401-438-1360

## **Certificate of Analysis** Asbestos PCM Air Analysis by NIOSH 7400

Client: RI DEM

Project Location: Chopmist Forestry

Sample Type: Background Airs & Blanks

Project Number: 180150

Collected By: **JML** 

**Date:** 3-29-2018

PCM Lot #:

Sample	Identification	<u>Start</u>	End	Flow (LPM)	<u>Volume</u> (L)	Fibers Fields	Fiber Density (f/mm²)	Concentration (f/cc)
1	Blank		•			100	<7	
2	Blank	-	-		■ ************************************	0 100	<7	< -
3	Pre Air Interior	09:27	11:12	12	1260	5 100	<7	< 0.0021

Anaylyzed By: Joseph M. Lepore

Standards

Clearance Criteria: <0.01 f/cc

OSHA Permissible Exposure Limit (8 hour TWA): 0.1 f/cc

OSHA 30 Minute Excursion Limit: 1.0 f/cc Limit of Detection fibers/100 fields: 5.5 Limit of Detection fiber density: 7 f/mm Relative Standard Deviation:0.45

Date Analyzed: 3-29-2018

Reviewed By: Daniel J. Simas

WO#18000195

Lab Certifications: RI AAL-0131



Analysis Report prepared for Environmental Consulting & Management Inc

Report Date: 4/9/2018

**Project Name: Chopmist Forestry** 

Project #: 180150

SanAir ID#: 18013275

TESTING

NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Chopmist Forestry

Collected Date: 3/29/2018

Received Date: 4/2/2018 9:55:00 AM

Dear Joseph M. Lepore,

We at SanAir would like to thank you for the work you recently submitted. The 28 sample(s) were received on Monday, April 02, 2018 via FedEx. The final report(s) is enclosed for the following sample(s): 01A, 01B, 01C, 01D, 01E, 02A, 02B, 02C, 02D, 02E, 03A, 03B, 03C, 04A, 05A, 05B, 05C, 06A, 07A, 08A, 08B, 09A, 09B, 09C, 010A, 011A, 011B, 011C.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Asbestos & Materials Laboratory Manager

andra Abbient

SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter

- Analysis Pages

- Disclaimers and Additional Information

Sample conditions:

- 28 samples in Good condition.



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Chopmist Forestry

Collected Date: 3/29/2018

Received Date: 4/2/2018 9:55:00 AM

Analyst: Vaughan, Nathaniel

## Asbestos Bulk PLM EPA 600/R-93/116

	Compor	Components			
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers	
01A / 18013275-001 9X9 Floor Tile	Brown Non-Fibrous Heterogeneous		95% Other	5% Chrysotile	
01B / 18013275-002 9X9 Floor Tile	Brown Non-Fibrous Heterogeneous		95% Other	5% Chrysotile	
01C / 18013275-003 9X9 Floor Tile	Brown Non-Fibrous Heterogeneous		95% Other	5% Chrysotile	
01D / 18013275-004 9X9 Floor Tile	Brown Non-Fibrous Heterogeneous		95% Other	5% Chrysotile	
01E / 18013275-005 9X9 Floor Tile	Brown Non-Fibrous Heterogeneous		95% Other	5% Chrysotile	
02A / 18013275-006 Mastic	Black Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile	
02B / 18013275-007 Mastic	Black Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile	
02C / 18013275-008 Mastic	Black Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile	
02D / 18013275-009 Mastic	Black Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile	
02E / 18013275-010 Mastic	Black Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile	

Certification

Analyst:

Northan Dough

Approved Signatory:

Date:

4/9/2018

Analysis Date:

4/9/2018



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Chopmist Forestry

Collected Date: 3/29/2018

Received Date: 4/2/2018 9:55:00 AM

Analyst: Vaughan, Nathaniel

#### Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Compo	onents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
03A / 18013275-011 1X1 CT	White Fibrous Heterogeneous	90% Cellulose	10% Other	None Detected
03B / 18013275-012 1X1 CT	White Fibrous Heterogeneous	90% Cellulose	10% Other	None Detected
03C / 18013275-013 1X1 CT	White Fibrous Heterogeneous	90% Cellulose	10% Other	None Detected
04A / 18013275-014 Linoleum	Beige Non-Fibrous Heterogeneous		70% Other	30% Chrysotile
05A / 18013275-015 2X4 CT	White Fibrous Heterogeneous	45% Cellulose 35% Glass 10% Min. Wool	10% Other	None Detected
05B / 18013275-016 2X4 CT	White Fibrous Heterogeneous	45% Cellulose 35% Glass 10% Min. Wool	10% Other	None Detected
05C / 18013275-017 2X4 CT	White Fibrous Heterogeneous	45% Cellulose 35% Glass 10% Min. Wool	10% Other	None Detected
06A / 18013275-018 Insulation On Duct	Brown Fibrous Heterogeneous	85% Cellulose	15% Other	None Detected
07A / 18013275-019 Attic Insulation	Brown Fibrous Heterogeneous	90% Cellulose	10% Other	None Detected
08A / 18013275-020 Transite (Boiler Room)	Grey Non-Fibrous Heterogeneous		80% Other	20% Chrysotile

Certification

Analyst:

Northan Dough

Approved Signatory:

Date:

4/9/2018

Analysis Date:

4/9/2018



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

**Project Number:** 180150

P.O. Number:

Project Name: Chopmist Forestry

Collected Date: 3/29/2018

Received Date: 4/2/2018 9:55:00 AM

Analyst: Vaughan, Nathaniel

#### Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Con	iponents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
08B / 18013275-021 Transite (Boiler Room)	Grey Non-Fibrous Heterogeneous		80% Other	20% Chrysotile
09A / 18013275-022 Boiler Packing	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
09B / 18013275-023 Boiler Packing	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
09C / 18013275-024 Boiler Packing	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
010A / 18013275-025 Tar Paper Under Siding	Black Fibrous Heterogeneous	85% Cellulose	15% Other	None Detected
011A / 18013275-026 Roofing	Brown Non-Fibrous Heterogeneous	8% Glass	92% Other	None Detected
011B / 18013275-027 Roofing	Brown Non-Fibrous Heterogeneous	8% Glass	92% Other	None Detected
011C / 18013275-028 Roofing	Brown Non-Fibrous Heterogeneous	8% Glass	92% Other	None Detected

Certification

Analyst:

Northan Dough

Approved Signatory:

Analysis Date:

4/9/2018

Date:

4/9/2018



1551 Oakbridge Dr. STE B Powhatan, VA 23139 804.897.1177 / 888.895.1177 Fax 804.897.0070

sanair.com

#### Asbestos Cltuin of Custody Form 140, Rev 1, 1 20 2017

18013275

SanAir ID Number

**Environmental Consulting & Management Inc** Company: 50 Kickemuit Ave 401-438-1360 Address: Bristol, RI 02809 401-438-1316 City, St., Zip: Fax # 2667 State of Collection: P.O. Number: Accounts: Bulk Air Soil ABB PLM EPA 600 R-93/116 ABA PCM NIOSH 7400 ABSE PLM EPA 600/R-93 116 (Qual.) M ABA-2 OSHA w TWA? Positive Stop Vermiculite & Soil ABEPA PLM EPA 400 Point Count ABTEM TEM AHERA ABSP PLM CARB 435 (LOD < 10 a)  $\square$ ABBIK PLM EPA 1000 Point Count ABATN TEM NIOSII 7402 PLM CARB 435 (LOD 0.25%) ABSPI ABBEN PLM EPA NOB\*\* ABT2 TEM Level II PLM CARB 435 (LOD 0.1%) ABSP2 ABBCH TEM Chatfield\*\* Other: Dust TEM EPA NOB\*\* ABBTM ABWA TEM Wipe ASTM D-6480 New York ELAP ABQ PLM Qualitative PLM NY PLM EPA 600 M4-82-020 **ABDMV** TEM Microvae ASTM D-5755 \*\* Available on 24-hr, to 5-day TAT ABEPA2 NY ELAP 198.1 ABENY NY ELAP 198,6 PLM NOB Water Matrix Other ABHE EPA 100.2 ABBNY NY ELAP 198.4 TEM NOB Turn Around 3 HR (4 HR TEM) 🗆 6 HR (8Hk 11-M) □ 12 HR 🗆 24 HR 🗆 Fimes □ 2 Days U Days 🕅 5 Days ☐ 4 Days

Special Instructions					
Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start – Stop Time*
014	984 Flac File				
2/2				Para de piera de maria de mari	
0/C		higher straight			
0/0					
0/E	V			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
024	Massis			operation and	
028					
220					
020					
026	I V				
032	1x102				
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If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Page\_\_of\_\_

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Sample #	Sample Identification/Location	Area	Date	Rate*	Start – Stop Time*
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041	Linoleam				
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If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEv shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Page \_\_of \_\_\_

#### **ATTACHMENT #3**

#### **Interim Operations & Maintenance Plan**

The contractors, maintenance personnel and staff associated with the Chopmist Forestry Building are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

#### 1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

#### 2. Fiber Release Episodes

#### A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean-up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

#### B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

#### 3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

#### **ATTACHMENT #4**

#### Scope of Work / Description of Waivers

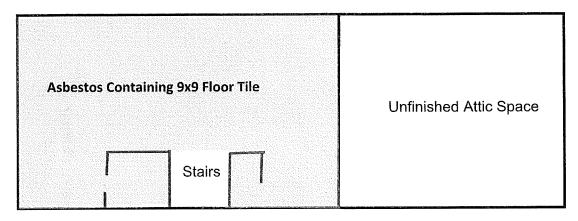
All proper OSHA, federal, state, and local safety regulations shall be followed.

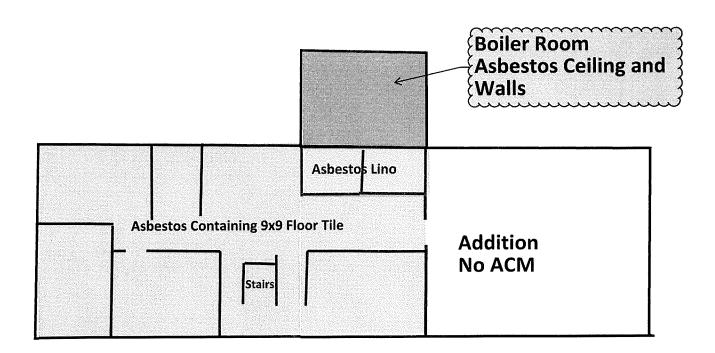
All materials identified withing Area 1 will be removed utilizing B8.6 Demolition work procedures.

Personnel air monitoring of Asbestos Abatement Workers, which demonstrates compliance with the provisions of OSHA 29 CFR 1926.1101, will be used in lieu of the clearance air sampling requirements contained in Paragraph B.8.2(p) of the RI Rules & Regulations for Asbestos Control.

## **Chopmist Forestry Building Asbestos Diagram**

## **Upper Level Asbestos Diagram**





## RHODE ISLAND DEPARTMENT OF HEALTH

## NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

intenance Garage 2	
Zip: <b>028</b>	Amendment Phase No:
Joseph Lepore	Certification No: AAC-661-PD
s/variances being reque	ested: see attachment #4
( ) Removal ( ( ) Demolition ( ) Other (specify)	) Enclosure ( ) Encapsulation ) Glovebag (X) Asphalt Roofing
in response to a Notice ent Plan? ( ) Yo	of Violation and/or a Notice of Requirement to (x) No
ding Evaluation No(s)	License No: LAC-
04/18	
g Information	
Andrew Perreault	Certification No: AAC-0914
San Air	Certification No: AAL-143
NA	Certification No: AAL-
Information	
By: ECM Personne	el
By: ECM Inc	Certification No: AAL-131
CERTIFIC	CATION
ent plan is prepared and sub rts A and C of the R performed in conjunction w oved) and the most current	omitted under the provisions of Section 23-24.5-6 of the RI I Rules and Regulations for Asbestos Control; all with this plan must be in compliance with the specifications revision of all applicable federal and state regulations; and this plan must be performed by a RI licensed asbestos
Duilding Oursey on Asset	Title:
Building Owner or Agent)	Date:
fore me this day	of, 20
My Co	ommission Expires:
HERE	
	Zip: 028  Joseph Lepore  s/variances being reque  ( ) Removal ( ( ) Demolition ( ( ) Other (specify)  In response to a Notice ent Plan? ( ) Y  ding Evaluation No(s)  04/18  g Information    Andrew Perreault    San Air    NA  Information By: ECM Personne By: ECM Inc  CERTIFIC  ent plan is prepared and substrance of the Reperformed in conjunction wowd) and the most current ent activities described in  Building Owner or Agent)  e of Certifier) fore me this day  My C

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS Department of Health Office of Occupational & Radiological Health

## APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1.	Rhode Island DEM	
2.	Application Prepared By:  Joseph M. Lepore  RI certification No: AAC-661-PD  Telephone No: 401-304-6614	
3.	Building Owner's Mailing Address and Telephone Num	ber:
	Street: 235 Promenade Street City/Town: Providence Zip: 02903 Telephone No.: 401-222-2776  (Area Code, No., Ext.)	
4.	Person to be contacted regarding this application:	
	Name: David DeCost	
	Telephone No: <b>(401) 222-2776 x4312</b> (Area Code, No., Ext.)	
5.	Location where abatement work will be performed:  Name (if applicable): Fort Adams Maintenance Gara Street: 1 Lincoln Drive City/Town: Newport, RI	ge 2 Zip: <b>02840</b>
	City/ Town. Newport, Ki	ΖΙΡ. υ204υ
	Is this application being submitted in response to a Asbestos Abatement plan"? ( ) Yes (X) No	- -
lf`	Yes, what is the due date for submittal of Abatement plan	?
Ev	aluation Number on the Notice:	(Mo.) (Day) (Yr.)
7.	Contractor who will be performing abatement work (if s	selected):
	Name: To be selected	R.I. License No.: LAC-
FO	RM ASB – 16 (11/2003) REPLACES FORM ASB 16 (3/92)	WHICH IS OBSOLETE

8. Estimated	l Starting Date of Abate	ment Work	06 (Month)	<b>04</b> (Day)	2018 (Year)	
9. Estimated	l Completion Date of Al	batement Work:	12 (Month)	<b>31</b> (Day)	2018 (Year)	
10. Type of A	Asbestos Abatement:	(Chec	k all that	apply)		
( ) Remo	oval		( ) Enc	closure		
( ) Encap	psulation		(X) De	molition	L	
( ) Opera	ations and Maintenance	Only				
11. Type of E	Building:	( ) School ( ) Privately ( ( <b>X</b> ) Publicly C ( ) Residence ( ) Other (Spe	wned Buil	_		
12. Building	Access:	( ) Public Acc ( ) Limited Po ( <b>X</b> ) No Public	ablic Acces		- ,	g Area)
	nple Collection and Anason collecting bulk samp	*				
Name: A	ndrew Perreault	RI	Certificat	ion No.:	AAC-0914	
	npling Methodology: EPA AHERA Sampling	g requirements [40	CFR 763.	86].		
(EP.	EPA's Asbestos Contair A-405/2-78-014) or Go 5 Edition (EPA-560-5-8	uidance for Cont				
( )	Other (Specify)				V-1000000000000000000000000000000000000	
C). Lab	oratory performing the	analysis of the bul	k samples			
Nan	me: SanAir Technologi	es RI	Certificat	ion No.:	AAL-143	
D). Ana	alytical Methodology:					
	EPA Interim Method fo M method only].	or the Determination	on of Asbe	stos in E	Bulk Insulatio	on Samples
( )	Other (Specify)					

14. Pre-A	Abatement Air Sample Collection as	nd Analysis:
A).	Person collecting pre-abatement ai	r samples:
Naı	me: NA	Affiliation: NA
	Laboratory performing analysis of me: <b>NA</b>	pre-abatement air samples. RI Certification No.: <b>NA</b>
C).	Methodology used in the collection	and analysis of pre-abatement samples:
	( ) NIOSH Method 7400 [Most C	arrent Revision]
	( ) OSHA 29 CFR 1926.1101 – Ap	opendix A & B
	(X) Other (Specify) Pre-Abateme	nt Air Samples not collected. This project will be
	conducted using demolition proceed	dures. There is no power to the building.
	the abatement site. If a hauler of disposal site, they must also be ide	s containing material (RACM) will be removed from or broker will be used to transport the RACM to a ntified.
В.	Provide the name and location of tremoved material will be transferr	he authorized asbestos waste facility to which the ed for disposal (if known).
To be de	etermined	

16. Person designated as compliance monitor for abatement work. [NOT REQUIRED]

Name: ECM Personnel

Affiliation: ECM

- 17. In-Process & Clearance Air Sampling: See Attachment #1
  - A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
  - B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
  - C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
  - D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.
- 18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 – Exterior

1 - 7

19.	I certify that	t this plan	was prepared by	me and I am respo	nsible for its content.	
	Signature:		<u> </u>	Date	04/24/18 (Month) (Day) (Year)	

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

(X) RI State Agency Waived Application Fee

(	) Operation & Maintenance Only	\$ 75
(	) Up to One (1) NESHAP Unit	\$ 75
(	) Between One (1) & Ten (10) NESHAP Units	\$ 300
(	) Between Ten (10) & Fifty (50) NESHAP Units	\$ 600
(	) Over Fifty (50) NESHAP Units	\$ 900

#### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

#### Department of Health

## Office of Occupational & Radiological Health APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

#### SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: Fort Adams Maintenance Garage 2 - 1 Lincoln Dr. Newport, RI

**INSTRUCTIONS:** All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification

(Room Name/No., Evaluation Number, etc.):

#### Area 1 - Exterior

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

#### Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

#### Refer to Attached Building Drawing

#### (4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

#### Refer to Attachment #3

(4) PR	OPOSED REME	DIES (cont.):		
B). Wil	• •	his area be abated by ) No	use of B.8 work	procedures?
	If Yes, indicate work procedur		I in this area will	be abated by use of the following B.8
	B.8.2 & B.8.3	[REMOVA	AL]	
	B.8.2 & B.8.4	[ENCAPS	ULATION]	Partition (All Control of Control
	B.8.2 & B.8.5	[ENCLOS	URE]	
	B.8.6	[DEMOLI	TION]	
	B.8.7	[GLOVEE	BAG]	VIII.A.A. III.A.A.A.A.A.A.A.A.A.A.A.A.A.A
	B.8.8	[ASP. RO	OFING]	Transite Siding Shingles
	you requesting vities in this area		bove selected B.	8 procedure for any of the abatemen
	( ) Yes (X	K) No		
		-		quested you are proposing to utilize. the regulations for which waivers are
D). Are		alternative procedure	s under B.11 for	any of the abatement activities in this
	( ) Yes (2	K) No		
	to utilize. Alte	_	st include a justif	ocedures requested you are proposing ication for not following specific ublic health.
E). Wil	l any RACM ren	nain in this area after	abatement?	
	( ) Yes (2	X) No ( ) Beyon	d scope of inspec	etion
		-		main and the details of the on-going mented in accordance with C.1.2(b).

#### **ATTACHMENT #1**

#### In Process and Clearance Air Sampling

- A. If requested by the building owner, ECM will be on site for part time monitoring and will collect one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the interior areas have passed the consultant's visual inspection, he or his authorized representative will collect:
  - Area 1 Clearance air samples will not be required as removal is exterior. A qualified individual will perform a visual inspection to confirm all asbestos containing materials identified within this abatement plan have been removed. It is the responsibility of the asbestos abatement contractor to collect personnel air samples in compliance with OSHA 29 CFR 1926.1101 (f). These samples must be submitted to the RIDOH after the completion of the abatement area.
- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the recleaning and re-sampling of an area should clearance air samples exceed 0.01 f/cc.

#### **ATTACHMENT #2**

#### ASB-16A-2

**Description of Asbestos Containing Material** 

## **Chart 1.1 – ACBM Sample Chart**

Sample #	Material	Location	Asbestos %	Quantity
08A-B	Transite Siding Shingle	Exterior Siding	15% Chrtysotile	900 SF

Transite siding is exposed and under wood siding on the exterior walls of the garage. It is the contractor's responsibility to verify all quantities.

## ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sample Results



Analysis Report prepared for Environmental Consulting & Management Inc

Report Date: 3/26/2018

Project Name: Fort Adams Bldg 2

Project #: 180150

SanAir ID#: 18011240



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number 18011240 FINAL REPORT 3/26/2018 5:57:48 PM

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Fort Adams Bldg 2

Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Dear Andrew Perreault,

We at SanAir would like to thank you for the work you recently submitted. The 10 sample(s) were received on Monday, March 19, 2018 via FedEx. The final report(s) is enclosed for the following sample(s): 07A, 08A, 08B, 09A, 09B, 10A, 11A, 11B, 12A, 12B.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Asbestos & Materials Laboratory Manager

andra Asbins

SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter

- Analysis Pages

- Disclaimers and Additional Information

Sample conditions:

- 10 samples in Good condition.



SanAir ID Number 18011240 FINAL REPORT 3/26/2018 5:57:48 PM

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Fort Adams Bldg 2

Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Analyst: Moore, Brandi

#### Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
07A / 18011240-001 12"12" Floor Tile/ Bathroom, Floor Tile	White Non-Fibrous Heterogeneous		100% Other	None Detected
07A / 18011240-001 12"12" Floor Tile/ Bathroom, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
08A / 18011240-002 Transite Siding Shingle/ Exterior North Side	White Non-Fibrous Homogeneous		85% Other	15% Chrysotile
08B / 18011240-003 Transite Siding Shingle/ Exterior East Side				Not Analyzed
09A / 18011240-004 Tar Paper Under 08A	Black Fibrous Heterogeneous	60% Cellulose	40% Other	< 1% Chrysotile
09B / 18011240-005 Tar Paper Under 08B	Black Fibrous Heterogeneous	60% Cellulose	40% Other	< 1% Chrysotile
10A / 18011240-006 Window Glazing/ Exterior North Side	White Non-Fibrous Heterogeneous		100% Other	< 1% Chrysotile
11A / 18011240-007 Asphalt Shingle/ Roof South Side	Black Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
11B / 18011240-008 Asphalt Shingle/ Roof East Side	Black Non-Fibrous Heterogeneous	30% Cellulose	70% Other	None Detected
12A / 18011240-009 Tar Paper Under 11A	Black Fibrous Heterogeneous	60% Cellulose	40% Other	None Detected

Certification

Analyst: Brand Moore

Approved Signatory:

Date:

landra Abbient.
3/26/2018

Analysis Date:

3/26/2018



SanAir ID Number 18011240

FINAL REPORT 3/26/2018 5:57:48 PM

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Fort Adams Bldg 2

Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Analyst: Moore, Brandi

#### Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Compo	nents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
12B / 18011240-010 Tar Paper Under 11B	Black Fibrous	60% Cellulose	40% Other	None Detected
	Heterogeneous			
Certification		Control of the second		

Analyst: Brand Moore

Approved Signatory:

Analysis Date:

3/26/2018

Sandra Abbient: 3/26/2018

#### **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications NVLAP lab code 200870 City of Philadelphia; ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915 Colorado License Number: AL-23143 Connecticut License Number: PH-0105 Massachusetts License Number: AA000222

Maine License Number: LB-0075 New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323 Washington State License Number: C989 West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



1, , , , , ,

1551 Oakbridge Dr. STE B Powhatan, VA 23139 804.897.1177 / 888.895.1177 Fax 804.897.0070

angir cam

Asbestos Chain of Custody Form 140, Rev 1, 1/20/2017 SanAir ID Number | 80 | 1240

Techni	ologies Laborator	y <u>sanair.ce</u>	$\underline{\mathbf{m}}$											
Company: ECM Inc. Project #: 180						)150	50 <sub>Collect by:</sub> Andrew Perrea			reaι	ılt			
Address: 181 Amaral Street Project Name: Fort Adam				ns B	ldg	2	Phone #:40	1-30	4-661	5				
City, St. Zi	<sub>n:</sub> Riverside	e, RI 0291	5			3/16/201				Fax #:				
State of Col	lection: RI	Account#: 26	67	P.O	. Number:				Control Lines	Email: aper	reau	lt@ecn	nne.c	om
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	Positive Sto	g g		ABA-2	OSHA	w/ TWA*				Vermicul	lite &	Soil		
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ABBIK	PLM EPA 100	0 Point Count		ABATN	TEM N	IOSH 7402			ABSP1	PLM CARI	B 435 (	LOD 0.25	" <sub>n</sub> ,	
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1	Times	3 HR (4				<u> </u>	12 HR □		<u> </u>	24 HR □				
		<u> </u>	2 Day	S	□ 3 Days □ 4			<u> </u>	Days	1	5	Days		
Special	Instructions													
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<b></b>	07A	12"x1	2" FI	oor Tile	/ Bathi	room								
	08A	Transite Si	ding S	hingle /	Exterior I	North Side	ļ					- Crestal Control of C		
	08B Transite Siding Shin		Shingle /	Exterior	East Side									
09A Tarpaper		per und	der 08A											
	09B	Tarpaper		per und	der 08B	}								
	10A	Window (	ow Glazing / Exterior North Side											
	11A	Asphalt	halt Shingle / Roof South Side											
	11B	Asphalt Shingle / I			oof Eas	st Side						roward.		
	12A	1	arpa	iper und	der 11A	\								www.madadudu.com.wi
	12B	Tarpaper under 11B												

Relinquished by	Date,	Time	Received by	Date	Time
1665	3/16/15	1511	MC	- MAR 1 9 2018	9'05N1
	7				

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

Page 1 of 1

#### **ATTACHMENT #3**

#### Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with the Rhode Island Department of Environmental Management (RI DEM) are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

#### 1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

#### 2. Fiber Release Episodes

#### A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean-up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

#### B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

#### 3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

#### ATTACHMENT #4

## Scope of Work / Description of Waivers

All proper OSHA, federal, state, and local safety regulations shall be followed.

All materials identified within Area 1 will be removed utilizing B8.8 Procedures below.

The RI DEM request a waiver of pre-abatement air samples. No power is at this structure.

## Fort Adam Maintenance Garage 2 1 Lincoln Drive, Newport RI Asbestos Locations



#### RHODE ISLAND DEPARTMENT OF HEALTH

#### NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility:	Fort Adams Mai	ntenance Garage 1		
Address:	1 Lincoln Drive			
City/Tov	vn: <b>Newport, RI</b>	Zip: <b>028</b>	340 Amer	ndment Phase No:
Abateme	ent Plan Written By:	Joseph Lepore	Certif	fication No: AAC-661-PD
Summar	y of specific waivers	/variances being reque	ested: see attac	hment #4
Type of A	Asbestos Abatement	` '	( ) Enclosure ( ) Glovebag	( ) Encapsulation ( <b>X</b> ) Asphalt Roofing
	an being submitted in an Asbestos Abateme			nd/or a Notice of Requirement to
-	ndicate Notice/Build or: TBD	ling Evaluation No(s)	•	icense No: LAC-
Estimate	d Starting Date: <b>06/</b> 0	4/18		
	atement Sampling nples Collected By:		(	Certification No: <b>AAC-0914</b>
Bulk Sar	nples Analyzed By:	San Air	(	Certification No: AAL-143
Air Sam	ples Analyzed By:	NA	(	Certification No: AAL-
Air Sam <sub>l</sub>	ples to be Collected I	By: ECM Personn		
Ali Saili	ples to be Analyzed I	By: ECM Inc		Certification No: AAL-131
Asbestos abatement prescribed the asbest	Control Act and Par- /management activities p in this plan (when appro	s A and C of the Reformed in conjunction we wed) and the most current	omitted under the particle and Reservith this plan must revision of all app	provisions of Section 23-24.5-6 of the Regulations for Asbestos Control; all be in compliance with the specification blicable federal and state regulations; and e performed by a RI licensed asbeston
С	ertified by:	Building Owner or Agent)	Title:	
	(Signature of I	of Certifier)	Date:	
Si	Typed/Printed Name) ubscribed and sworn befo	of Certifier) ore me this day	v of	, 20
		My C	ommission Expire	es:
A	(Notary Public) FFIX NOTARY SEAL	HERE		

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS Department of Health Office of Occupational & Radiological Health

## APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1.	Building Owner's Name:  Rhode Island DEM	
2.	Application Prepared By:  Joseph M. Lepore  RI certification No: AAC-661-PD  Telephone No: 401-304-6614	
3.	Building Owner's Mailing Address and Telephone Numb	per;
	Street: 235 Promenade Street	
	City/Town: Providence	
	Zip: <b>02903</b>	
	Telephone No.: 401-222-2776	
	(Area Code, No., Ext.)	
4.	Person to be contacted regarding this application:	
	Name: David DeCost	
	Telephone No: (401) 222-2776 x4312	
	(Area Code, No., Ext.)	
5.	Location where abatement work will be performed:  Name (if applicable): Fort Adams Maintenance Garag Street: 1 Lincoln Drive	
	City/Town: Newport, RI	Zip: <b>02840</b>
	Is this application being submitted in response to a Asbestos Abatement plan"? ( ) Yes (X) No	
If	Yes, what is the due date for submittal of Abatement plan?	
Ev	aluation Number on the Notice:	
7.	Contractor who will be performing abatement work (if so	
	Name: To be selected	R.I. License No.: LAC-
FO	RM ASB – 16 (11/2003) REPLACES FORM ASB 16 (3/92)	WHICH IS OBSOLETE

8. Estimated Starting Date of Abate	ment Work	06 (Month)	04 (Day)	2018 (Year)	
9. Estimated Completion Date of Al	oatement Work:	12 (Month)	<b>31</b> (Day)	2018 (Year)	
10. Type of Asbestos Abatement:	(Chec	k all that	apply)		
( ) Removal		( ) En	closure		
( ) Encapsulation		(X) De	molition	l	
( ) Operations and Maintenance	Only				
11. Type of Building:	( ) School ( ) Privately ( ( <b>X</b> ) Publicly O ( ) Residence ( ) Other (Spe	wned Buil	_		
12. Building Access:	( ) Public Acc ( ) Limited Pt ( <b>X</b> ) No Public	ıblic Acces		lding Area) % of Building Area)	
13. Bulk Sample Collection and Anal A). Person collecting bulk samp	•				
Name: Andrew Perreault	RI	Certificati	ion No.:	AAC-0914	
B). Sampling Methodology: (X) EPA AHERA Sampling	requirements [40	CFR 763.	86].		
( ) EPA's Asbestos Contain (EPA-405/2-78-014) or Gu 1985 Edition (EPA-560-5-8	uidance for Contr				
( ) Other (Specify)					
C). Laboratory performing the a					
Name: SanAir Technologie	es RI	Certificati	ion No.:	AAL-143	
D). Analytical Methodology:					
( <b>X</b> ) EPA Interim Method fo [PLM method only].	r the Determination	on of Asbes	stos in E	Bulk Insulation Samples	
( ) Other (Specify)					

14. Pre-A	batement Air Sample Collection a	nd Analysis:
A). ]	Person collecting pre-abatement ai	r samples:
Nan	ne: NA	Affiliation: NA
•	Laboratory performing analysis of ne: <b>NA</b>	pre-abatement air samples. RI Certification No.: <b>NA</b>
C). I	Methodology used in the collection	n and analysis of pre-abatement samples:
(	( ) NIOSH Method 7400 [Most C	urrent Revision]
(	( ) OSHA 29 CFR 1926.1101 – A <sub>1</sub>	ppendix A & B
(	(X) Other (Specify) Pre-Abateme	nt Air Samples not collected. This project will be
(	conducted using demolition proced	dures. There is no power to the building.
To be det	the abatement site. If a hauler of disposal site, they must also be ide ermined  Provide the name and location of the removed material will be transferred.	he authorized asbestos waste facility to which the

16. Person designated as compliance monitor for abatement work. [NOT REQUIRED]

Name: ECM Personnel

Affiliation: ECM

- 17. In-Process & Clearance Air Sampling: See Attachment #1
  - A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
  - B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
  - C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
  - D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.
- 18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 – Exterior

19. I cei	tify that thi	s plan was	prepared	by me an	d I am	responsible	for its	content
-----------	---------------	------------	----------	----------	--------	-------------	---------	---------

Signature:

04/24/18

(Month) (Day) (Year)

Affiliation: ECM Inc.

#### 20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

( ) Operation & Maintenance Only \$ 75

( ) Up to One (1) NESHAP Unit \$ 75

( ) Between One (1) & Ten (10) NESHAP Units \$ 300

( ) Between Ten (10) & Fifty (50) NESHAP Units \$600

( ) Over Fifty (50) NESHAP Units \$ 900

(X) RI State Agency Waived Application Fee

#### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

#### **Department of Health**

# Office of Occupational & Radiological Health APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

#### SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: Fort Adams Maintenance Garage 1 – 1 Lincoln Dr. Newport, RI

**INSTRUCTIONS:** All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification

(Room Name/No., Evaluation Number, etc.):

#### Area 1 - Exterior

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

#### Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

#### Refer to Attached Building Drawing

#### (4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

#### Refer to Attachment #3

(4) PR	OPOSED REMEDIES	S (cont.):	
B). Wil	al any portion of this at (X) Yes ( ) No	rea be abated by use of B.8 wor	k procedures?
	If Yes, indicate belowork procedures:	w which RACM in this area w	ill be abated by use of the following B.8
	B.8.2 & B.8.3	[REMOVAL]	
	B.8.2 & B.8.4	[ENCAPSULATION]	
	B.8.2 & B.8.5	[ENCLOSURE]	
	B.8.6	[DEMOLITION]	M24.77
	B.8.7	[GLOVEBAG]	
	B.8.8	[ASP. ROOFING]	Transite Siding Shingles
,	e you requesting any vities in this area?	waivers to the above selected	B.8 procedure for any of the abatement
	-	iled description of the waivers i	requested you are proposing to utilize.  of the regulations for which waivers are
D). Are		native procedures under B.11 fo	or any of the abatement activities in this
	( ) Yes ( <b>X</b> ) No		
	to utilize. Alternate	_	procedures requested you are proposing tification for not following specific public health.
E). Wil	ll any RACM remain i	in this area after abatement?	
	( ) Yes ( <b>X</b> ) No	( ) Beyond scope of insp	pection
		_	remain and the details of the on-going

#### **ATTACHMENT #1**

#### In Process and Clearance Air Sampling

- A. If requested by the building owner, ECM will be on site for part time monitoring and will collect one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the interior areas have passed the consultant's visual inspection, he or his authorized representative will collect:
  - Area 1 Clearance air samples will not be required as removal is exterior. A qualified individual will perform a visual inspection to confirm all asbestos containing materials identified within this abatement plan have been removed. It is the responsibility of the asbestos abatement contractor to collect personnel air samples in compliance with OSHA 29 CFR 1926.1101 (f). These samples must be submitted to the RIDOH after the completion of the abatement area.
- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the recleaning and re-sampling of an area should clearance air samples exceed 0.01 f/cc.

## **ATTACHMENT #2**

#### ASB-16A-2

Description of Asbestos Containing Material

## **Chart 1.1 – ACBM Sample Chart**

Sample #	Material	Location	Asbestos %	Quantity
03A-B	Transite Siding Shingle	Exterior Siding	20% Chrysotile	1,400 SF

Transite siding is exposed and under wood siding on the exterior walls of the garage. It is the contractor's responsibility to verify all quantities.

## ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sample Results



Analysis Report prepared for Environmental Consulting & Management Inc

Report Date: 3/26/2018

Project Name: Fort Adams Bldg 1

Project #: 180150

SanAir ID#: 18011231

NV LAP®

NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number 18011231 FINAL REPORT 3/26/2018 5:47:11 PM

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Fort Adams Bldg 1

Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Dear Andrew Perreault,

We at SanAir would like to thank you for the work you recently submitted. The 10 sample(s) were received on Monday, March 19, 2018 via FedEx. The final report(s) is enclosed for the following sample(s): 01A, 02A, 03A, 03B, 04A, 04B, 05A, 05B, 06A, 06B.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Asbestos & Materials Laboratory Manager SanAir Technologies Laboratory

andra Abbiens

Final Report Includes:

- Cover Letter

- Analysis Pages

- Disclaimers and Additional Information

Sample conditions:

- 10 samples in Good condition.



SanAir ID Number 18011231 FINAL REPORT 3/26/2018 5:47:11 PM

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: Fort Adams Bldg 1

Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Analyst: Fleming, Christopher

## Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic		ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
01A / 18011231-001 Patch On Steel Chimney/ Workshop, Patch	White Non-Fibrous Homogeneous		100% Other	None Detected
01A / 18011231-001 Patch On Steel Chimney/ Workshop, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
02A / 18011231-002 Window Glaizng To Garage Bay Door/ Exterior West Side	White Non-Fibrous Homogeneous		100% Other	None Detected
03A / 18011231-003 Transite Siding Shingle/ Exterior North Side	Grey Non-Fibrous Homogeneous		80% Other	20% Chrysotile
03B / 18011231-004 Transite Siding Shingle/ Exterior East Side		•		Not Analyzed
04A / 18011231-005 Tar Paper Under Transite Siding Shingle/ Exterior North Side	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
04B / 18011231-006 Tar Paper Under Transite Siding Shingle/ Exterior East Side	Black Fibrous Homogeneous	50% Cellulose	50% Other	None Detected
05A / 18011231-007 Asphalt Shingle/ Roof South Side	Black Non-Fibrous Heterogeneous		100% Other	None Detected
05B / 18011231-008 Asphalt Shingle/ Roof East Side	Black Non-Fibrous Heterogeneous		100% Other	None Detected
06A / 18011231-009 Tar Paper Under 05A	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected

Certification

Analyst:

aus Ele

Approved Signatory:

Date:

andra Abbient.
3/26/2018

Analysis Date:

3/26/2018



FINAL REPORT 3/26/2018 5:47:11 PM

SanAir ID Number 18011231

Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

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Collected Date: 3/16/2018

Received Date: 3/19/2018 9:05:00 AM

Analyst: Fleming, Christopher

#### Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
06B / 18011231-010	Black	60% Cellulose	40% Other	None Detected
Tar Paper Under 05B	Fibrous			
	Homogeneous			

Certification

Chie Ele Analyst:

3/26/2018 Analysis Date:

Approved Signatory:

landra Abbient.
3/26/2018 Date:

#### Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

-6 FV - 6

NVLAP lab code 200870 City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915
Colorado License Number: AL-23143
Connecticut License Number: PH-0105
Massachusetts License Number: AA000222

Maine License Number: LB-0075 New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323 Washington State License Number: C989 West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



1551 Oakbridge Dr. STE B Powhatan, VA 23139 804.897.1177 / 888.895.1177 Fax 804.897.0070

Asbestos Chain of Custody Form 140, Rev 1, 1/20/2017 SanAir ID Number [ 8 01 | 23 ]

ECM Inc.                               Andrew Perreault           Address:         181 Amaral Street         Project Name:         Fort Adams Bldg 1         Phone #: 401-304-6615           Fax #:         State of Collection:         RI         Account#:         Account#:           State of Collection:         RI         Account#:         Air         Email:         aperreault@ecmne.col           Bulk         Air         Soil           ABB         PLM EPA 600/R-93 116 (Qual.)         ABSE         PLM EPA 600/R-93 116 (Qual.)						
City, St., Zip: Riverside, RI 02915  State of Collection: RI  Bulk  Air  Soil  APSE DIM EDA 600/B 03/146 (Opel )	t					
State of Collection: RI Account#: 2667  Bulk Air Soil  ADD DIM EDA (00:P 03:H4) APA DOM NICKH 7/00 APSE DIM EDA (00:P 03:H4) (Opel )						
Bulk Air Soil						
Bulk Air Soil	m					
ABB PLM EPA 600/R-93/116 ABA PCM NIOSH 7400 ABSE PLM EPA 600/R-93 116 (Qual.)						
Positive Stop  ABA-2 OSHA w/ TWA*  Vermiculite & Soil						
ABEPA PLM EPA 400 Point Count						
ABB1K PLM EPA 1000 Point Count						
ABBEN PLM EPA NOB**   ABT2 TEM Level II  ABSP2 PLM CARB 435 (LOD 0.1%)						
ABBCH TEM Chatfield**						
THE CONCENTRAL						
ABQ PLM Qualitative DLM NY PLM EPA 600/M4-82-020 DABDMV TEM Microvac ASTM D-5755						
** Available on 24-hr. to 5-day TAT ABEPA2 NY ELAP 198.1						
Water  ABENY NY ELAP 198.6 PLM NOB						
ABHE EPA 100.2 D ABBNY NY ELAP 198.4 TEM NOB						
Turn Around         3 HR (4 HR TEM)         □         6 HR (8HR TEM)         □         12 HR         □         24 HR         □						
Times 🗆 2 Days 🗀 3 Days 🖂 4 Days 👼 5 Days						
Special Instructions	tacione de la constantia					

cial Instructions					
Sample #	Sample Identification/Location	Volume or Arca	Sample Date	Flow Rate*	Start – Stop Time"
01A	White Patch on Steel Chimney / Work Shop				
02A	Window Glazing to Garage Bay Door / Exterior West Side				
03A	Transite Siding Shingle / Exterior North Side				
03B	Transite Siding Shingle / Exterior East Side				
04A	Tarpaper under Transite Siding Shingle / Exterior North Side				
04B	Tarpaper under Transite Siding Shingle / Exterior East Side		Marketing of Auril 64 (Advisory) 54 decre w/4 (1944) 64 decre		
05A	Asphalt Shingle / Roof South Side				
05B	Asphalt Shingle / Roof East Side				
06A	Tarpaper under 05A				
06B	Tarpaper under 05B				

Bassock	Relinquished by	/Date	Time	Received by	Date	Time
4	المستعمل الم	3/4/18	1545	n	MAD 1 0 0040	9:05A7
	New 100	,		,	MAN TO THE	

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

#### **ATTACHMENT #3**

19 18 to

#### Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with the Rhode Island Department of Environmental Management (RI DEM) are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

#### 1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

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#### A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean-up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

#### B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

#### 3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

## ATTACHMENT #4

18 FR 1

## Scope of Work / Description of Waivers

All proper OSHA, federal, state, and local safety regulations shall be followed.

All materials identified within Area 1 will be removed utilizing B8.8 Procedures below.

The RI DEM request a waiver of pre-abatement air samples. No power is at this structure.

## Fort Adam Maintenance Garage 1 1 Lincoln Drive, Newport RI Asbestos Locations

VI HY



#### RHODE ISLAND DEPARTMENT OF HEALTH

#### NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility:	Salty Acres					
Address:	972 Point Judith	Road				
City/Town	ı: Narragansett	Zip	: 02882	Amendme	ent Phase No	•
Abatemen	t Plan Written By: J	loseph Lepore		Certificat	ion No: <b>AAC</b>	-661-PD
Summary	of specific waivers/	variances being	requested: Sec	e Attachm	ent #4	
Type of A	sbestos Abatement	( ) Removal (X) Demolition ( ) Other (speci	( ) Glov	,	) Encapsula X) Asphalt R	
	n being submitted in Asbestos Abatemer			tion and/or K) No	a Notice of I	Requirement to
<b>If yes, Ind</b> Contractor	licate Notice/Build TBD	ing Evaluation l	Vo(s):	Licen	se No: LAC-	
Estimated	Starting Date: 06/0	4/18				
	ement Sampling oles Collected By:		cott III	Certi	fication No: /	AAC-0642
Bulk Samp	oles Analyzed By: \$	San Air		Certi	fication No: A	AAL-126
Air Sampl	es Analyzed By:	N/A		Certi	fication No: A	AAL-
	<b>e Air Sampling I</b> es to be Collected B		sonnel			
Air Sampl	es to be Analyzed E	y: ECM Inc		Certi	fication No:	AAL-131
Asbestos C abatement/m prescribed in	this asbestos abatemer ontrol Act and Parts anagement activities per this plan (when approvabatement/managemer ontractor.	at plan is prepared at a A and C of the conjunction of the conjunction of the most cut of the	the RI Rules tion with this pla irrent revision o	and Regula an must be in f all applicab	itions for Asb compliance wi le federal and st	estos Control; all th the specifications tate regulations; and
Cer	tified by:(Signature of B	uilding Owner or Agent)	Title:	<sup>100</sup> an <sup>-</sup> hilaniyye ganamanana an an asa asa asaa asaa a		-
Sub	(Typed/Printed Name of scribed and sworn befo	of Certifier) re me this	day of		. 20	***
			My Commission			
AFI	(Notary Public) FIX NOTARY SEAL					

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS Department of Health Office of Occupational & Radiological Health

## APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1.	Building Owner's Name: Rhode Island DEM
2.	Application Prepared By:  Joseph M. Lepore RI certification No: AAC-661-PD Telephone No: 401-304-6614
3.	Building Owner's Mailing Address and Telephone Number:
	Street: 235 Promenade Street  City/Town: Providence  Zip: 02903  Telephone No.: 401-222-2776
	(Area Code, No., Ext.)
4.	Person to be contacted regarding this application:
	Name: David DeCost
	Telephone No: (401) 222-2776 x4312  (Area Code, No., Ext.)
5.	Location where abatement work will be performed:
	Name (if applicable): Salty Acres Street: 972 Point Judith Road City/Town:Narragansett Zip: 02882
6.	Is this application being submitted in response to a "Notice of Requirement to Submit an Asbestos Abatement plan"? ( ) Yes (X) No
If	Yes, what is the due date for submittal of Abatement plan?(Mo.) (Day) (Yr.)
Ev	aluation Number on the Notice:
7.	
	Name: <b>To be selected</b> R.I. License No.: LAC-
FO	RM ASB – 16 (11/2003) REPLACES FORM ASB 16 (3/92) WHICH IS OBSOLETE

8. Estimated Starting Date of Abate	ment Work	<b>06</b> (Month)	<b>04</b> (Day)	2018 (Year)
9. Estimated Completion Date of A	batement Work:	12 (Month)	31 (Day)	2018 (Year)
10. Type of Asbestos Abatement:	(Chec	k all that	apply)	
( ) Removal		( ) En	closure	
( ) Encapsulation		(X) De	molition	1
( ) Operations and Maintenance	Only			
11. Type of Building:	( ) School ( ) Privately ( (X) Publicly O ( ) Residence		_	
	` /	ecify)		
<ul><li>12. Building Access:</li><li>13. Bulk Sample Collection and Ana</li></ul>	(X) No Public	ıblic Acce		ilding Area) % of Building Area)
A). Person collecting bulk samp	•			
Name: Charles Prescott	RI	Certificat	ion No.:	AAC-0642
B). Sampling Methodology: (X) EPA AHERA Sampling	g requirements [40	CFR 763	.86].	
( ) EPA's Asbestos Contain (EPA-405/2-78-014) or G 1985 Edition (EPA-560-5-8	uidance for Contr			
( ) Other (Specify)				
C). Laboratory performing the	analysis of the bul	k samples		
Name: SanAir Technologi	es RI	Certificat	ion No.:	AAL-143
D). Analytical Methodology:				
(X) EPA Interim Method Samples [PLM method only		ination of	f Asbes	tos in Bulk Insulation
( ) Other (Specify)				

14. Pre-	-Abatement Air Sample Collection and A	nalysis:
<b>A</b> )	a). Person collecting pre-abatement air san	ples:
Na	Jame: NA Affi	liation: NA
	8). Laboratory performing analysis of pre-alame: NA RI (	abatement air samples. Certification No.: NA
C)	C). Methodology used in the collection and	analysis of pre-abatement samples:
	( ) NIOSH Method 7400 [Most Curren	t Revision]
	( ) OSHA 29 CFR 1926.1101 - Appen	dix A & B
	(X) Other (Specify) Pre-Abatement Ai	r Samples not collected. This project will be
	conducted using demolition procedures	There is no power to the building.
15. A.	Ş	taining material (RACM) will be removed from oker will be used to transport the RACM to a ed.
To be d	determined	
В.	Provide the name and location of the auremoved material will be transferred for	thorized asbestos waste facility to which the disposal (if known).
To be d	determined	

16. Person designated as compliance monitor for abatement work. [NOT REQUIRED]

Name: ECM Personnel

Affiliation: ECM

17.	In-Process	& Clearance A	Air Sampling:	See Attachment	#1

- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing,
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.
- 18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 - Kitchen Area 2- Exterior

19. I certify that this plan was prepared by me and I am responsible for its content.

Date 05 02 2018 (Month) (Day) (Year)

\$ 75

Affiliation: ECM Inc.

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

( ) Operation & Maintenance Only

\$ 75 ( ) Up to One (1) NESHAP Unit

( ) Between One (1) & Ten (10) NESHAP Units \$ 300

( ) Between Ten (10) & Fifty (50) NESHAP Units \$ 600

( ) Over Fifty (50) NESHAP Units \$ 900

(X) RI State Agency Waived Application Fee

## STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

#### Department of Health

# Office of Occupational & Radiological Health APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

#### SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: Salty Acres-972 Point Judith Road, Narraganset

**INSTRUCTIONS:** All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification

(Room Name/No., Evaluation Number, etc.):

#### Area 1 - Interior

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

#### Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

#### Refer to Attached Building Drawing

#### (4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

#### Refer to Attachment #3

(4) PRC	POSED REMED	IES (cont.):	
B). Will	• •	is area be abated by use of No	B.8 work procedures?
	If Yes, indicate b work procedures		is area will be abated by use of the following B.8
	B.8.2 & B.8.3	[REMOVAL]	
	B.8.2 & B.8.4	[ENCAPSULAT]	ION]
	B.8.2 & B.8.5	[ENCLOSURE]	
	B.8.6	[DEMOLITION]	Floor Tile, Mastic, Linoleum and Backing
	B.8.7	[GLOVEBAG]	
	B.8.8	[ASP. ROOFING	<u> </u>
,	vities in this area?  (X) Yes  ()  If yes, attach a d	No The RI DEM request etailed description of the v	t a waiver of pre-abatement air samples.  waivers requested you are proposing to utilize.  etion(s) of the regulations for which waivers are
D). Are		ernative procedures under	r B.11 for any of the abatement activities in this
	( ) Yes (X)	No	
	to utilize. Alterr	-	alternate procedures requested you are proposing ade a justification for not following specific ective of public health.
E). Wil	l any RACM rema	in in this area after abaten	nent?
	( ) Yes (X)	No ( ) Beyond scope	e of inspection
	Operations and I	-	that will remain and the details of the on-going be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

## STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS Department of Health

# Office of Occupational & Radiological Health APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

#### SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: Salty Acres-972 Point Judith Road, Narraganset

<u>INSTRUCTIONS:</u> All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(5) Area Location/Identification

(Room Name/No., Evaluation Number, etc.):

#### Area 2 - Exterior

(6) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

#### Refer to Attachment #2

(7) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

#### Refer to Attached Building Drawing

#### (8) PROPOSED REMEDIES:

F). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

#### Refer to Attachment #3

(4) PRC	POSED REM	IEDIES (co	nt.):	
G). Will		f this area t ( ) No	be abated by use of B.8 v	vork procedures?
	If Yes, indicates work proced		which RACM in this area	will be abated by use of the following B.8
	B.8.2 & B.8.	3	[REMOVAL]	
	B.8.2 & B.8.	4	[ENCAPSULATION]	
	B.8.2 & B.8.	5	[ENCLOSURE]	
	B.8.6		[DEMOLITION]	
	B.8.7		[GLOVEBAG]	
	B.8.8		[ASP. ROOFING]	Lexonite on Roof
	vities in this ar  ( ) Yes  If yes, attach	ea?  (X) No a detailed	description of the waive	ed B.8 procedure for any of the abatement rs requested you are proposing to utilize.
	All items murequested.	ist be keyed	to the specific section(	s) of the regulations for which waivers are
I). Are area	, , ,	g alternativ	e procedures under B.1	for any of the abatement activities in this
	( ) Yes	(X) No		
	to utilize. A	lternate pro		ate procedures requested you are proposing ustification for not following specific of public health.
J). Will	any RACM r	emain in th	is area after abatement?	
	( ) Yes	(X) No	( ) Beyond scope of i	nspection
		•	nance Plan that will be in	rill remain and the details of the on-going applemented in accordance with C.1.2(b).

AGENCY USE ONLY

#### In Process and Clearance Air Sampling

- A. If requested by the building owner, ECM will be on site for part time monitoring and will collect one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the interior areas have passed the consultant's visual inspection, he or his authorized representative will collect:
  - Area 1 If the building is to be occupied after abatement, a minimum of 2 PCM Clearance Air Samples per containment will need to be collected. Clearance air samples will not be required if the building is to be demolished after a visual inspection by ECM personnel. A qualified individual will perform a visual inspection to confirm all asbestos containing materials identified within this abatement plan have been removed. It is the responsibility of the asbestos abatement contractor to collect personnel air samples in compliance with OSHA 29 CFR 1926.1101 (f). These samples must be submitted to the RIDOH at the completion of the abatement area.
  - Area 2 Clearance air samples will not be required as removal is exterior. A qualified individual will perform a visual inspection to confirm all asbestos containing materials identified within this abatement plan have been removed. It is the responsibility of the asbestos abatement contractor to collect personnel air samples in compliance with OSHA 29 CFR 1926.1101 (f). These samples must be submitted to the RIDOH after the completion of the abatement area.
- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the recleaning and re-sampling of an area should clearance air samples exceed 0.01 f/cc.

## ASB-16A-2

Description of Asbestos Containing Material

Chart 1.1 – ACBM Sample Chart

Sample #	Material 1	Lamping	Asbestos %	Chirality	
01A	Sheet Linoleum	Lindred December Hallman	Contaminated by 02A	~550 sf	
02A	Backing to 01A	Living Room, Hallway	60% Chrysotile		
03A	Mastic/Tar Paper	Living Room – Under 01A/02A	None Detected	***	
04A	1x1 Ceiling Tile	Living Room; 2nd Floor	None Detected		
05A-C	Glue Daubs	Hallway	None Detected	_	
06A	Linoleum	Vitaban On Dhagad	None Detected		
07A	Backing	Kitchen – On Plywood	None Detected		
08A	Mosaic Linoleum	Mitchen Under Dhugged	Contaminated by 09A	~120 sf	
09A	Backing to 08A	Kitchen – Under Plywood	60% Chrysotile		
010A	Mastic/Tar Paper	Kitchen – Under 08A/09A	None Detected		
011A	Sink Anti-Condensate	Kitchen	4% Chrysotile	1 sink	
012A	Panel Adhesive	Kitchen	None Detected		
013A-C	Sheetrock	Kitchen, Boiler Room, Garage	None Detected	_	
014A-C	Seam Tape		Negative (<1% Chrysotile)	-	
015A	Flue Packing	Boiler Room	None Detected		
016A	12x12 Stick-on Floor Tile	2 <sup>nd</sup> Floor Bathroom	5% Chrysotile	~140 sf	
017A	Black Floor Tile	2 <sup>nd</sup> Floor Bathroom – Under Plywood	3% Chrysotile	~140 sf	
018A	Mastic to 017A	2 <sup>nd</sup> Floor Bathroom	None Detected		
019A-C	Window Glazing	Exterior	None Detected		
020A-C	Asphalt Shingle		None Detected		
021A-C	Bottom Roofing Layer		None Detected	_	
022A	Lexonite	Roof Penetrations; Dormer Edge; Lower Roof to Main Building Edge; Up Sides of Chimney		~100 sf	

It is the contractor's responsibility to verify all quantities.

# ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sample Results



Analysis Report prepared for Environmental Consulting & Management Inc

Report Date: 3/16/2018

**Project Name: RIDEM - Salty Acres House** 

Project #: 180150

SanAir ID#: 18010034

TESTING (®

NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: RIDEM - Salty Acres House

Collected Date: 3/8/2018

Received Date: 3/9/2018 10:50:00 AM

Dear Chad Prescott,

We at SanAir would like to thank you for the work you recently submitted. The 34 sample(s) were received on Friday, March 09, 2018 via FedEx. The final report(s) is enclosed for the following sample(s): 01A, 02A, 03A, 04A, 05A, 06A, 07A, 08A, 09A, 010A, 011A, 012A, 013B, 013C, 014A, 014B, 014C, 015A, 016A, 017A, 018A, 019A, 019B, 019C, 020A, 020B, 020C, 021A, 021B, 021C, 022A, 5B, 5C.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Asbestos & Materials Laboratory Manager

andra Abbient

SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter

- Analysis Pages

- Disclaimers and Additional Information

Sample conditions:

- 34 samples in Good condition.



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: RIDEM - Salty Acres House

Collected Date: 3/8/2018

Received Date: 3/9/2018 10:50:00 AM

Analyst: Toth, Elizabeth

# Asbestos Bulk PLM EPA 600/R-93/116

	<sup>1</sup> Stereoscopic	Comp	vonents	
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers
01A / 18010034-001 Sheet Linoleum	Various Non-Fibrous Heterogeneous		100% Other	None Detected
02A / 18010034-002 Backing To 01A	Beige Fibrous Homogeneous		40% Other	60% Chrysotile
03A / 18010034-003 Mastic/ Tarpaper	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected
04A / 18010034-004 1X1 Ceiling Tile	White Fibrous Homogeneous	50% Glass 30% Min. Wool 10% Cellulose	10% Other	None Detected
05A / 18010034-005 Glue Daubs	Brown Non-Fibrous Homogeneous		100% Other	None Detected
06A / 18010034-006 Linoleum	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
07A / 18010034-007 Backing To 06A	Brown Non-Fibrous Homogeneous	10% Glass	90% Other	None Detected
08A / 18010034-008 Linoleum	Various Non-Fibrous Heterogeneous		100% Other	None Detected
09A / 18010034-009 Backing To 08A	Beige Fibrous Homogeneous		40% Other	60% Chrysotile
010A / 18010034-010 Mastic/ Tar Paper	Black Fibrous Homogeneous	70% Cellulose	30% Other	None Detected

Certification

Analyst:

Elizabet 20t. 3/16/2018

Approved Signatory:

Date:

3/16/2018

Analysis Date:



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: RIDEM - Salty Acres House

Collected Date: 3/8/2018

Received Date: 3/9/2018 10:50:00 AM

Analyst: Toth, Elizabeth

# Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Comp % Fibrous	onents % Non Fiberous	Asbestos Fibers
011A / 18010034-011 Sink Anti-Condensate	Off-White Non-Fibrous Homogeneous		96% Other	4% Chrysotile
012A / 18010034-012 Panel Adhesive	Brown Non-Fibrous Homogeneous		100% Other	None Detected
013A / 18010034-013 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
013B / 18010034-014 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
013C / 18010034-015 Sheetrock	Off-White Non-Fibrous Homogeneous	3% Cellulose	97% Other	None Detected
014A / 18010034-016 Seam Tape	Green Fibrous Heterogeneous	95% Cellulose	5% Other	< 1% Chrysotile
014B / 18010034-017 Seam Tape	Green Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
014C / 18010034-018 Seam Tape	Green Fibrous Heterogeneous	95% Cellulose	5% Other	< 1% Chrysotile
015A / 18010034-019 Flue Packing	Grey Non-Fibrous Homogeneous	5% Glass	95% Other	None Detected
016A / 18010034-020 12X12 Stick-On Floor Tile	Beige Non-Fibrous Homogeneous		95% Other	5% Chrysotile

Certification -

Analyst:

Elizabet Jot

Approved Signatory:

13/allis

Analysis Date:

3/16/2018

Date:

3/16/2018



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: RIDEM - Salty Acres House

Collected Date: 3/8/2018

Received Date: 3/9/2018 10:50:00 AM

Analyst: Toth, Elizabeth

# Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Comp	anents .		
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers	
017A / 18010034-021 Floor Tile	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile	
018A / 18010034-022 Mastic	Black Fibrous Heterogeneous	60% Cellulose	40% Other	None Detected	
019A / 18010034-023 Window Caulking	White Non-Fibrous Homogeneous		100% Other	None Detected	
019B / 18010034-024 Window Caulking	White Non-Fibrous Homogeneous		100% Other	None Detected	
019C / 18010034-025 Window Caulking	White Non-Fibrous Homogeneous		100% Other	None Detected	
020A / 18010034-026 Asphalt Shingle	Grey Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected	
020B / 18010034-027 Asphalt Shingle	Grey Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected	
020C / 18010034-028 Asphalt Shingle	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	None Detected	
021A / 18010034-029 Bottom Roofing Layer	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected	
021B / 18010034-030 Bottom Roofing Layer	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected	

Certification

Analyst:

Elizabet Fot.

Approved Signatory:

Date:

3/16/2018

Analysis Date:

3/16/2018



Name: Environmental Consulting & Management Inc

Address: 50 Kickemuit Ave

Bristol, RI 02809

Phone: 401-438-1360

Project Number: 180150

P.O. Number:

Project Name: RIDEM - Salty Acres House

Collected Date: 3/8/2018

Received Date: 3/9/2018 10:50:00 AM

Analyst: Toth, Elizabeth

# Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents		
SanAir ID / Description	Appearance	% Fibrous	% Non Fiberous	Asbestos Fibers	
021C / 18010034-031 Bottom Roofing Layer	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected	
022A / 18010034-032 Lexonite	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile	
5B / 18010034-033 Glue Daubs	Brown Non-Fibrous Homogeneous		100% Other	None Detected	
5C / 18010034-034 Glue Daubs	Brown Non-Fibrous Homogeneous		100% Other	None Detected	

Certification

Analyst:

Elizabet 30t

Approved Signatory:

Analysis Date:

3/16/2018

Date:

/16/2018

#### Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with the Rhode Island Department of Environmental Management (RI DEM) are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

#### 1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

#### 2. Fiber Release Episodes

#### A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean-up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

#### B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

#### 3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

## Scope of Work / Description of Waivers

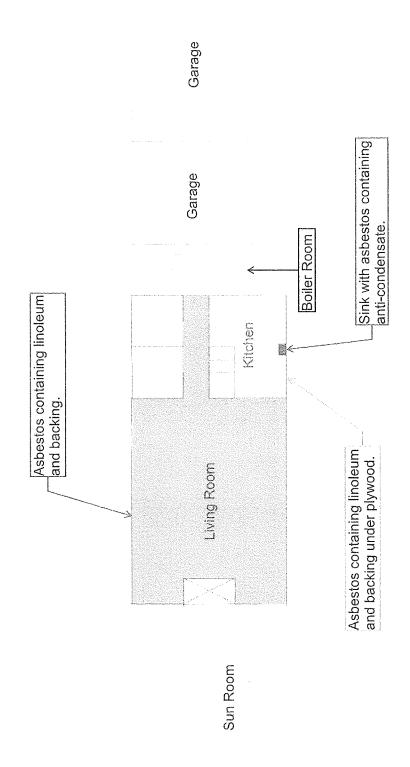
All proper OSHA, federal, state, and local safety regulations shall be followed.

All materials identified withing Area 1 will be removed utilizing B8.6 work procedures.

All materials identified within Area 2 will be removed utilizing B8.8 Procedures below.

The RI DEM request a waiver of pre-abatement air samples. No power is at this structure. A waiver floor sheeting is request where those substrates will be abated.

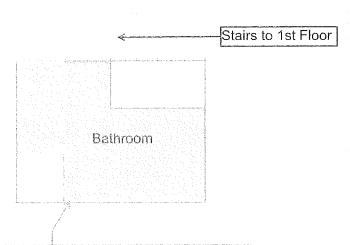
Back of House



Front of House

# Salty Acres House 972 Point Judith Road, Narragansett - 2nd Floor

Back of House

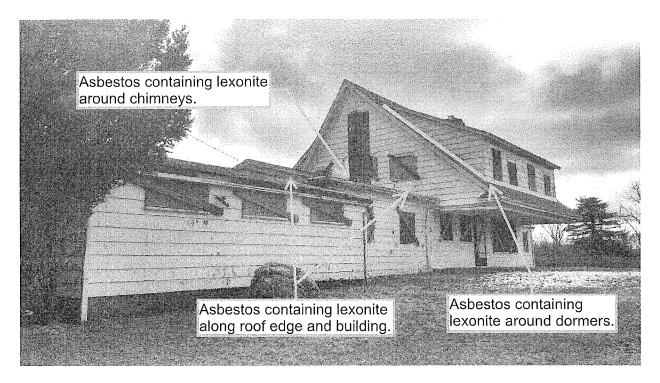


Asbestos containing 12x12 stick-on floor tile on top of plywood.

Asbestos containing floor tile under plywood.

Front of House

# Salty Acres House 972 Point Judith Road, Narragansett - Exterior



Asbestos containing lexonite around dormers.

