May 5, 2022

NJSEA Meadowlands Fire House Roof Replacement

East Rutherford, New Jersey

Bid Due Date: May 19, 2022 @ 12:00PM

ADDENDUM #1

- A. The Bid walk summary is incorporated with the changes below and should be included in the bid pricing. Changes included in this bid walk:
 - i. Provide an alternate price, including labor and material, to substitute a GAF SBS cap sheet, flashing, and details for the 60 mil TPO membrane and flashings.
 - ii. The Asbestos Containing Material (ACM) shall be double bagged on the roof and lowered into a double lined dumpster for ACM.
 - iii. Provide the Bill-of-Lading that the ACM was disposed of at an approved land fill.

Attachments: Asbestos Survey Report		
Include the acknowledgment o	of this addendum in your proposal submission.	
Company	Name (Print)	 Date
Receipt of Addendum #1:	(Signature)	

End of Addendum #1

Limited Asbestos Survey Report Meadowlands Sports Complex Firehouse Building New Jersey Sports and Exposition Authority 50 State Route 120 East Rutherford, NJ 07073

Chubb Global Risk Advisors (CGRA) CGRA Project Number: NJSEA.21.001

5. BULK SAMPLE RESULTS

	Asbestos Bulk Sar	nple Analytical Table		
Sample ID	Description	Location	Asbestos Concentration	ACM Quantities
	Firehouse	Building Roof		
GRB-01		W-+ 6:	None Detected	
GRB-02	New Pitch Pocket	West Side of Roof On Satellite Dish Base	4.7% Chrysotile	20 SF
GRB-03	New Fitch Focket	and Heat Stack Base	Positive Stop (Not Analyzed)	20 31
GRB-04		West Side of Roof On	None Detected	Not Applicable
GRB-05	Old Pitch Pocket	Exhaust Fan and	None Detected	Not Applicable
GRB-06		Intake Fan Base	None Detected	Not Applicable
GRB-07			None Detected	
GRB-08	Roof Hot Tar (Layer 1)	West Side of Roof	10% Chrysotile	8,000 SF
GRB-09	Noor Flot Par (Layer 1)	West side of Noor	Positive Stop (Not Analyzed)	8,000 31
GRB-10			25% Chrysotile	
GRB-11	Perimeter Roof Flashing	West Side of Roof	Positive Stop / Not Analyzed	450 SF
GRB-12	Ŭ		Positive Stop / Not Analyzed	

6. RECCOMENDATIONS

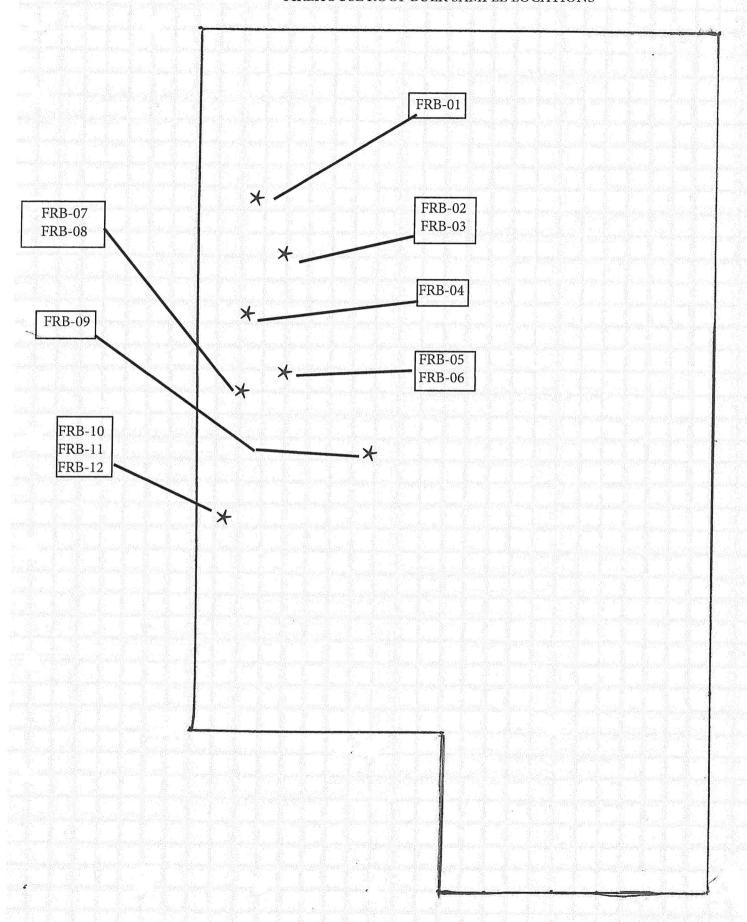
CGRA recommends that the roofing material on the Firehouse be removed and disposed of in an asbestos registered landfill.

All locations and quantities of ACM identified in this report are estimates only and subject to verification by asbestos abatement contractors prior to abatement.

7. LIMITATIONS

CGRA utilized non-destructive inspection and sampling on the roof areas. If any previously unidentified suspect materials are encountered CGRA recommends not resuming any construction activity until sampling and analysis of the suspect materials by certified personnel proves otherwise.

The conclusions presented in this report are professional opinions based on the indicated data described





307 West 38th Street New York, NY 10018 Phone/Fax: (212) 290-0051 / (212) 290-0058 http://www.EMSL.com/manhattanlab@emsl.com EMSL Order ID: Customer ID:

032108438 HGCL52

Customer PO: Project ID:

Attn:

Christopher Pierce

Chubb Global Risk Advisors (ESIS Inc)

10 Exchange Place 13th Floor Jersey City, NJ 07302

Phone: Fax:

(201) 356-5165

Collected:

(201) 356-5295 5/19/2021

Received:

5/19/2021

Analyzed:

5/23/2021

NJSEA.21.001/ MEADOWLANDS SPORTS COMPLEX/ FIREHOUSE ROOF BUILDING/ E. RUTHERFORD NJ Proj:

Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID:

FRB-01

Lab Sample ID:

032108438-0001

Sample Description:

ROOF/ WEST SIDE/ ON SATELITE DISH BASE/NEW PITCH POCKET

Color

Analyzed

Non-Asbestos Fibrous Non-Fibrous

PLM	05/20/2021
TEM 0	
TEM Gray, Reduction	05/23/2021

Black Black 20.0% 80.0% 100.0%

Asbestos None Detected <0.1% Chrysotile

Asbestos

Asbestos

None Detected

Asbestos

None Detected

None Detected

Positive Stop (Not Analyzed)

Client Sample ID:

TEST

PLM

PLM

PLM

TEST

FRB-02

0.0%

Lab Sample ID:

Comment

032108438-0002

Sample Description:

ROOF/ WEST SIDE/ ON HEAT STOCK BASE/NEW PITCH POCKET

Color

Black

Black

Color

Black

Analyzed Date

05/20/2021

Analyzed

Date

05/21/2021

05/23/2021

Date

Non-Asbestos					
ibrous	Non-Fibrou				

0.0%

Comment

TEM Grav. Reduction

05/23/2021

10.0%

90.0% None Detected 95.3% 4.7% Chrysotile

032108438-0003

Client Sample ID: Sample Description: FRB-03

ROOF/ WEST SIDE/ ON HEAT STOCK BASE/NEW PITCH POCKET

Non-Asbestos

Comment

Lab Sample ID:

TEM Gray Reduction

TEST

Fibrous Non-Fibrous 3.0% 97.0%

None Detected

Client Sample ID: Sample Description:

Lab Sample ID:

032108438-0004

TEST

ROOF/ WEST SIDE/ ON EXHAUST FAN BASE/OLD PITCH POCKET

Color

Black

Black

Color

Black

Black

Color

Black

Black

Analyzed

Non-Asbestos

TEM Grav. Reduction

Date 05/20/2021 05/23/2021

Analyzed

Date

05/20/2021

05/23/2021

0.0%

0.0%

Fibrous Non-Fibrous Asbestos 100.0% None Detected

100.0%

100.0%

100.0%

100.0%

Comment

Client Sample ID:

FRB-05

Lab Sample ID:

032108438-0005

Sample Description:

ROOF/ WEST SIDE/ ON INTAKE FAN BASE/OLD PITCH POCKET

TEST PLM TEM Grav. Reduction

Non-Asbestos Fibrous Non-Fibrous

Comment None Detected

Client Sample ID:

FRB-06

ROOF/ WEST SIDE/ ON INTAKE FAN BASE/OLD PITCH POCKET

Lab Sample ID:

032108438-0006

Sample Description:

Analyzed Date

05/21/2021

05/23/2021

Non-Asbestos

TEST

TEM Gray Reduction

PLM

Fibrous 4.0%

0.0%

0.0%

0.0%

Non-Fibrous Asbestos 96.0%

None Detected

Comment

Robert K -201-479-6382 Cell-908-645-3655



307 West 38th Street New York, NY 10018 Phone/Fax: (212) 290-0051 / (212) 290-0058 http://www.EMSL.com / manhattanlab@emsl.com EMSL Order ID: Customer ID: 032108438 HGCL52

Customer PO: Project ID:

Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

			600	JIR-93/116			
Client Sample ID:	FRB-07					Lab Sample ID:	032108438-0007
Sample Description:	ROOF/ WEST SIDE OF R	OOF/ROOF HOT	TAR LAYER 1				
	Amakanai		N-				
TEST	Analyzed Date	Color		n-Asbestos Non-Fibrous	Asbestos	Comment	
PLM	05/20/2021	Black	18.09		None Detected	Comment	
TEM Grav. Reduction	05/20/2021				ve Stop (Not Analyzed)		******************
Client Sample ID:	FRB-08					Lab Sample ID:	032108438-0008
Sample Description:	ROOF/ WEST SIDE OF R	OOF/ROOF HOT T	AR LAYER 1				
	Analyzed		Nor	ı-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	05/20/2021	Black	12.0%	78.0%	10% Chrysotile		
TEM Grav. Reduction	05/20/2021		******	Positi	ve Stop (Not Analyzed)		F - 0 F 0 K6 F F - d.c
Client Sample ID:	FRB-09					Lab Sample ID:	032108438-0009
Sample Description:	ROOF/ WEST SIDE OF RO	OOF/ROOF HOT T	AR LAYER 1				
	Analyzed		Non	-Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	05/20/2021			Positiv	ve Stop (Not Analyzed)		
TEM Grav. Reduction	05/20/2021			Positiv	ve Stop (Not Analyzed)		******
Client Sample ID:	FRB-10					Lab Sample ID:	032108438-0010
Sample Description:	ROOF/ WEST SIDE OF RO	OOF/ROOF FLASH	ING PERIMET	ER			
	Analyzed		Non	-Asbestos		¥	
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	05/20/2021	Black	7.0%	68.0%	25% Chrysotile		
EM Grav. Reduction	05/20/2021			Positiv	e Stop (Not Analyzed)		*****
Client Sample ID:	FRB-11					Lab Sample ID:	032108438-0011
Sample Description:	ROOF/ WEST SIDE OF RO	OF/ROOF FLASH	ING PERIMET	ER			
	Analyzed		Non-	Asbestos			
TEST	Date	Color	Fibrous	Non-Fibrous	Asbestos	Comment	
PLM	05/20/2021			Positiv	e Stop (Not Analyzed)		
EM Grav. Reduction	05/20/2021			Positiv	e Stop (Not Analyzed)		
lient Sample ID:	FRB-12					Lab Sample ID:	032108438-0012
	ROOF/ WEST SIDE OF RO	OF/ROOF FLASH	NG PERIMETI	ER			
ample Description:				Asbestos			
ample Description:	Analyzed		Non-	ASDESTOS			
Sample Description:	Analyzed Date	Color		Non-Fibrous	Asbestos	Comment	
		Color		Non-Fibrous	Asbestos e Stop (Not Analyzed)	Comment	



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EMSL Order: 032108438 Customer ID: HGCL52

Customer PO: Project ID:

Attention: Christopher Pierce

Chubb Global Risk Advisors (ESIS Inc) 10 Exchange Place 13th Floor

Jersey City, NJ 07302

Fax: (201) 356-5295

Phone:

Received Date: 05/19/2021 5:33 PM Analysis Date: 05/20/2021 - 05/23/2021

(201) 356-5165

Collected Date: 05/19/2021

Project: NJSEA.21.001/ MEADOWLANDS SPORTS COMPLEX/ FIREHOUSE ROOF BUILDING/ E. RUTHERFORD NJ

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
FRB-01 032108438-0001	ROOF/ WEST SIDE/ ON SATELITE DISH BASE - NEW PITCH POCKET	Black Fibrous Heterogeneous	100.0 Other	None	<0.1% Chrysotile
FRB-02 032108438-0002	ROOF/ WEST SIDE/ ON HEAT STOCK BASE - NEW PITCH POCKET	Black Fibrous Heterogeneous	95.3 Other	None	4.7% Chrysotile
FRB-03 032108438-0003	ROOF/ WEST SIDE/ ON HEAT STOCK BASE - NEW PITCH POCKET				
Positive	Stop (Not Analyzed)				
FRB-04 032108438-0004	ROOF/ WEST SIDE/ ON EXHAUST FAN BASE - OLD PITCH POCKET	Black Non-Fibrous Heterogeneous	100.0 Other	None	No Asbestos Detected
FRB-05 032108438-0005	ROOF/ WEST SIDE/ ON INTAKE FAN BASE - OLD PITCH POCKET	Black Non-Fibrous Heterogeneous	100.0 Other	None	No Asbestos Detected
FRB-06 032108438-0006	ROOF/ WEST SIDE/ ON INTAKE FAN BASE - OLD PITCH POCKET	Black Non-Fibrous Heterogeneous	100.0 Other	None	No Asbestos Detected
FRB-07 032108438-0007	ROOF/ WEST SIDE OF ROOF - ROOF HOT TAR LAYER 1				
Positive S	Stop (Not Analyzed)				
FRB-08 032108438-0008	ROOF/ WEST SIDE OF ROOF - ROOF HOT TAR LAYER 1				
Positive S	Stop (Not Analyzed)				
FRB-09 032108438-0009	ROOF/ WEST SIDE OF ROOF - ROOF HOT TAR LAYER 1				
Positive S	Stop (Not Analyzed)				
FRB-10 032108438-0010	ROOF/ WEST SIDE OF ROOF - ROOF FLASHING PERIMETER				
Positive S	Stop (Not Analyzed)			·	

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506



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EMSL Order: 032108438 Customer ID: HGCL52

Customer PO: Project ID:

Attention: Christopher Pierce

Chubb Global Risk Advisors (ESIS Inc) 10 Exchange Place 13th Floor

Fax: (201) 356-5295 Received Date: 05/19/2021 5:3

Phone:

Date: 05/19/2021 5:33 PM Date: 05/20/2021 - 05/23/2021

(201) 356-5165

Jersey City, NJ 07302 Analysis Date: 05/20/2021
Collected Date: 05/19/2021

Project: NJSEA.21.001/ MEADOWLANDS SPORTS COMPLEX/ FIREHOUSE ROOF BUILDING/ E. RUTHERFORD NJ

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
FRB-11 032108438-0011	ROOF/ WEST SIDE OF ROOF - ROOF FLASHING PERIMETER			2	
Positive	Stop (Not Analyzed)		d.		
FRB-12	ROOF/ WEST SIDE OF				
032108438-0012	ROOF - ROOF FLASHING PERIMETER				
Positive	Stop (Not Analyzed)				

Analyst(s)
Ted Lam (5)

James Hall, Laboratory Manager or other approved signatory

Smer PALL

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Phone: (201) 356-5165

Fax: (201) 356-5295

Received Date: 05/19/2021 5:33 PM Analysis Date: 05/20/2021 - 05/23/2021

Collected Date: 05/19/2021

Project: NJSEA.21.001/ MEADOWLANDS SPORTS COMPLEX/ FIREHOUSE ROOF BUILDING/ E. RUTHERFORD NJ

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Ash	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
FRB-01 032108438-0001	ROOF/ WEST SIDE/ ON SATELITE DISH BASE -	Black Fibrous	20% Cellulose <1% Fibrous Other	5% Quartz 7% Ca Carbonate	None Detected
032100430-0001	NEW PITCH POCKET	Homogeneous	The Fibrous_Outer	68.0% Non-fibrous (Other)	
FRB-02	ROOF/ WEST SIDE/ ON	Black	10% Cellulose	3% Quartz	None Detected
032108438-0002	HEAT STOCK BASE -	Non-Fibrous	<1% Fibrous_Other	5% Ca Carbonate	
	NEW PITCH POCKET	Homogeneous		82.0% Non-fibrous (Other)	
FRB-03	ROOF/ WEST SIDE/ ON	Black	3% Cellulose	15% Ca Carbonate	None Detected
032108438-0003	HEAT STOCK BASE -	Non-Fibrous		82.0% Non-fibrous (Other)	
	NEW PITCH POCKET	Homogeneous			
FRB-04	ROOF/ WEST SIDE/ ON	Black		5% Quartz	None Detected
032108438-0004	EXHAUST FAN BASE -	Non-Fibrous		60% Ca Carbonate	
	OLD PITCH POCKET	Homogeneous		35.0% Non-fibrous (Other)	
FRB-05	ROOF/ WEST SIDE/ ON	Black		5% Quartz	None Detected
032108438-0005	INTAKE FAN BASE -	Non-Fibrous		65% Ca Carbonate	
	OLD PITCH POCKET	Homogeneous		30.0% Non-fibrous (Other)	
FRB-06	ROOF/ WEST SIDE/ ON	Black	4% Cellulose	15% Ca Carbonate	None Detected
032108438-0006	INTAKE FAN BASE -	Non-Fibrous		81.0% Non-fibrous (Other)	
	OLD PITCH POCKET	Homogeneous			
FRB-07	ROOF/ WEST SIDE OF	Black	3% Cellulose	7% Quartz	None Detected
032108438-0007	ROOF - ROOF HOT	Fibrous	15% Glass	5% Mica	
	TAR LAYER 1	Homogeneous		70.0% Non-fibrous (Other)	
FRB-08	ROOF/ WEST SIDE OF	Black	7% Cellulose	15% Quartz	10% Chrysotile
032108438-0008	ROOF - ROOF HOT	Fibrous	5% Glass	3% Mica	
	T <mark>AR LAY</mark> ER 1	Heterogeneous		60.0% Non-fibrous (Other)	
FRB-09	ROOF/ WEST SIDE OF				Positive Stop
032108438-0009	ROOF - ROOF HOT				(Not Analyzed)
	TAR LAYER 1				

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--IHLAP Accredited #102581, NVLAP Lab Code 101048-9, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170



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Collected Date: 05/19/2021

EMSL Order: 032108438

Customer ID: HGCL52

Project: NJSEA.21.001/ MEADOWLANDS SPORTS COMPLEX/ FIREHOUSE ROOF BUILDING/ E. RUTHERFORD NJ

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using **Polarized Light Microscopy**

			Non-Asi	Non-Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
FRB-10 032108438-0010	ROOF/WEST SIDE OF ROOF - ROOF FLASHING PERIMETER	Black Fibrous Homogeneous	7% Cellulose	5% Quartz 3% Mica 60.0% Non-fibrous (Other)	25% Chrysotile
FRB-11 032108438-0011	ROOF/ WEST SIDE OF ROOF - ROOF FLASHING PERIMETER				Positive Stop (Not Analyzed)
FRB-12 032108438-0012	ROOF/ WEST SIDE OF ROOF - ROOF FLASHING PERIMETER				Positive Stop (Not Analyzed)

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