



ENVIRONMENTAL ASSISTANCE GROUP

179 NIBLICK ROAD # 401 PASO ROBLES CA. 93446

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February 13, 2020

Mr. Bob Lombard,
Newport Mesa Unified School District
2990 Mesa Verde Drive,
Costa Mesa 92626

SUMMARY REPORT OF SAMPLING ROOFING MATERIALS FOR ASBESTOS

INTRODUCTION

On February 7, 2020 Environmental Assistance Group represented by Ed Kennedy, Certified Asbestos Consultant (CAC) collected samples of roofing materials from Back Bay High School, 390 Monte Vista Avenue Costa Mesa, California 92627, in the Newport Mesa Unified School District. The sampling was conducted because the district is planning to replace the roofing materials.

METHOD

The sampling method included collecting representative samples by coring through all layers to the substrate or cutting off small pieces. All samples were of non-friable miscellaneous materials. The samples were placed in leak tight containers and transported to a NVLAP and DHS certified laboratory, Forensic Analytical in Rancho Dominguez California, for analysis by Polarized Light Microscopy (PLM). After analysis, the results were provided for inclusion in this report.

RESULTS

The analyses showed that the roof component homogenous areas of roofing materials sampled were all none detected (ND) for asbestos.

RECOMMENDATION

Based on the representative samples collected, removal of the roofing materials will not require trained asbestos workers.

Eldwin "Ed" Kennedy, CAC 93-1249, CLP 4092

Attachments: Asbestos Homogeneous Area/Sampling Form, Forensic Analytical Bulk Asbestos Analysis Report and Chain of Custody

HOMOGENOUS AREA/SAMPLING FORM ASBESTOS

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Environmental Assistance Group
179 Niblick Rd. #401
Paso Robles, CA 93446
Office: 805-286-4921

CLIENT: NMUSD

DATE: 2-7-2020

SITE: Back Bay HS

PROJECT # NMBBR220

SAMPLED: 2-7-2020

Bldgs. A, B, C, D & MPR

CERT/CAC #: 93-1249

INSPECTOR: Eldwin "Ed" Kennedy

Signature: 

HA	SAMPLE #	HOMOGENOUS MATERIAL	CONDI-TION	LOCATION/ SURFACE	BLDG/ SUITE	RM/#	SAMPLE LOCATION	AMT
1	NMBBR220-1	Mastic/tar	NA	Roof Pipe Penetration	D	Roof	15' from N. edge, 30' from E. edge	ND
2	NMBBR220-2	Shingles w/gray stones/felt	NA	Roof field	D	Roof	15' from N. edge, 30' from E. edge	ND
2	NMBBR220-3	Shingles w/gray stones/felt	NA	Roof	D	Roof	S. side of roof at center vent fan unit, NE corner	ND
2	NMBBR220-4	Mastic/tar shingles/felt	NA	Roof	D	Roof	SW vent fan through roof, E side	ND
2	NMBBR220-5	Mastic/tar shingles/felt	NA	Roof – N. side roof field	C	Roof	20' from E edge, 3' from ridge	ND
2	NMBBR220-6	Mastic/tar shingles/felt	NA	Roof field close to 2 nd vent from west	C	Roof	2 nd vent fan from W. end, NE corner	ND
2	NMBBR220-7	Mastic/tar shingles/felt	NA	S. Side roof field	C	Roof	1' from S. edge, 1' from W. edge	ND
3	NMBBR220-8	Roll roofing/felt	NA	Small roof W. of B (with vent)	B	Roof	6" from W. edge, 3' from S. edge	ND
2	NMBBR220-9	Shingles/felt	NA	S. side of roof field	B	Roof	4" from W. edge, 5' from S. edge	ND
2	NMBBR220-10	Shingles/ felt/ mastic	NA	N. side of roof, 3 rd roof fan vent	B	Roof	SE corner at vent	ND
2	NMBBR220-11	Shingles/tar	NA	S. side roof field	B	Roof	3' from S. edge, 1' from E. edge	ND
2	NMBBR220-12	Shingles/tar	NA	N. side of roof	A	Roof	4' from ridge, 8" from W. edge	ND
2	NMBBR220-13	Shingles/felt/ mastic	NA	Roof field at E. field fan vent	A	Roof	SE corner at E. vent fan corner	ND
1	NMBBR220-14	Mastic/tar	NA	Roof – S. side at 3" pipe penetration	A	Roof	2' from W. edge, 12' from S. edge	ND
2	NMBBR220-15	Shingles/felt/tar	NA	Roof – S. side, W. end, lower roof	A	Roof	1' from S. edge, 7' from W. edge	ND
1	NMBBR220-16	Roll roofing/felt/tar	NA	Kitchen roof at pipe penetration	MPR	Roof	10' from N. edge, 3' from W. edge	ND
3	NMBBR220-17	Roll roofing/tar	NA	Roof – S. side	MPR	Roof	12" from S. most edge, 3' from E. edge	ND
3	NMBBR220-18	Roll roofing/tar/ mastic	NA	Roof – N. side	MPR	Roof	3' from E. edge, 2' from N. edge through black patch	ND
2	NMBBR220-19	Mastic/tar shingles/felt	NA	Roof – pipe penetration	C	Roof	Building C roof.	ND



Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-1

Environmental Assistance Group
Ed Kennedy
PO Box 2537

Tehachapi, CA 93561

Client ID: L1206
Report Number: B299726
Date Received: 02/08/20
Date Analyzed: 02/12/20
Date Printed: 02/12/20
First Reported: 02/12/20

Job ID/Site: NMBBR220; Back Bay High School

SGSFL Job ID: L1206
Total Samples Submitted: 19
Total Samples Analyzed: 19

Date(s) Collected: 02/07/2020

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
NMBBR2201	51324362						
Layer: Silver Paint			ND				
Layer: Beige Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
NMBBR2202	51324363						
Layer: Silver Paint			ND				
Layer: 2 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (35 %)							
NMBBR2203	51324364						
Layer: Silver Paint			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Beige Non-Fibrous Material			ND				
Layer: 5 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %) Fibrous Glass (40 %)							
NMBBR2204	51324365						
Layer: Silver Paint			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Beige Non-Fibrous Material			ND				
Layer: 2 Grey Roof Shingles			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (30 %) Fibrous Glass (15 %)							

Report Number: B299726

Client Name: Environmental Assistance Group

Date Printed: 02/12/20

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
NMBBR2205	51324366						
Layer: Off-White Non-Fibrous Material			ND				
Layer: 2 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (40 %)	Fibrous Glass (15 %)						
NMBBR2206	51324367						
Layer: Silver Paint			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Beige Non-Fibrous Material			ND				
Layer: 4 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)	Fibrous Glass (35 %)						
NMBBR2207	51324368						
Layer: 4 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)	Fibrous Glass (35 %)						
NMBBR2208	51324369						
Layer: Paint			ND				
Layer: Black Non-Fibrous Material			ND				
Layer: Grey Roof Shingle			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (15 %)	Synthetic (20 %)					
NMBBR2209	51324370						
Layer: 4 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)	Fibrous Glass (45 %)						
NMBBR2210	51324371						
Layer: Silver Paint			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Multi-Layer Roof Shingles			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (40 %)						

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
NMBBR2211	51324372						
Layer: 3 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)	Fibrous Glass (35 %)						
NMBBR2212	51324373						
Layer: Grey Roof Shingles			ND				
Layer: Green Roof Shingle			ND				
Layer: Black Roof Shingle			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)	Fibrous Glass (45 %)						
NMBBR2213	51324374						
Layer: Silver Paint			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Multi-Layer Roof Shingles			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (7 %)	Fibrous Glass (35 %)						
NMBBR2214	51324375						
Layer: Brown Non-Fibrous Material			ND				
Layer: Black Semi-Fibrous Tar			ND				
Layer: Silver Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (7 %)							
NMBBR2215	51324376						
Layer: 3 Grey Roof Shingles			ND				
Layer: Black Tars			ND				
Layer: Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)	Fibrous Glass (35 %)						
NMBBR2216	51324377						
Layer: Black Non-Fibrous Material			ND				
Layer: Stones			ND				
Layer: Multi-Layer Black Tars			ND				
Layer: Multi-Layer Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (30 %)						
NMBBR2217	51324378						
Layer: Grey Roof Shingle			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (35 %)						

Client Name: Environmental Assistance Group

Report Number: B299726

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
NMBBR2218	51324379						
Layer: Black Semi-Fibrous Tar			ND				
Layer: Multi-Layer Black Tars			ND				
Layer: Multi-Layer Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (35 %)						
NMBBR2219	51324445						
Layer: Grey Roof Shingle			ND				
Layer: Stones			ND				
Layer: Multi-Layer Black Tars			ND				
Layer: Multi-Layer Black Felts			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %)	Fibrous Glass (10 %)						



Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Environmental Assistance Group PO Box 2537 Tehachapi CA 93581		Client No.: L1206	PO / Job#: NHBBR220 Date: 2-7-20	
			Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day	
			☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer	
			☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435	
Contact: Ed Kennedy			☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)	
Phone: Office: 661-822-8762 Fax: 661-822-8762 Cell: 661-304-8981		☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project		
E-mail: comply@HazTrainer.com			☐ Metals Analysis: Method:	
Technician: Ed Kennedy CAC # 93-1429			Matrix:	
Site Location: Back Bay High School			Analytes:	
Comments: 1 of 2.			Report Via: ☐ Fax ☒ E-Mail ☐ Verbal	

HA	Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
				Type	Time On/Off	Avg. LPM	Total Time	
	NHBBR220	2-7-20		A P C				
	2			A P C				
	3			A P C				
	4			A P C				
	5			A P C				
	6			A P C				
	7			A P C				
	8			A P C				
	9			A P C				
	10			A P C				

Sampled By: Ed Kennedy		Date: 2-7-20		Time:	
Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:					
Relinquished By: Ed Kennedy		Relinquished By:		Relinquished By:	
Date / Time: 2-8-20 10:45AM		Date / Time:		Date / Time:	
Received By: Diana Garcia		Received By:		Received By:	
Date / Time: 2/8/20 9:50		Date / Time:		Date / Time:	
Condition Acceptable? ☒ Yes ☐ No		Condition Acceptable? ☐ Yes ☐ No		Condition Acceptable? ☐ Yes ☐ No	



Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Environmental Assistance Group PO Box 2537 Tehachapi CA 93581		Client No.: L1206	PO / Job#: NHBBR220	Date: 2-7-20				
Contact: Ed Kennedy			Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day					
Phone: Office: 661-822-8762 Cell: 661-304-8981			☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer					
Fax: 661-822-8762			☒ PLM: ☒ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435					
E-mail: comply@HazTrainer.com			☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)					
Technician: Ed Kennedy CAC # 93-1429			☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project					
Site Location: Back Bay HS			Matrix:					
Comments: 2 of 2.			Analytes:					
Report Via: ☐ Fax ☒ E-Mail ☐ Verbal								
HA	Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
				Type	Time On/Off	Avg. LPM	Total Time	
	11	2-7-20		A P C				
	12			A P C				
	13			A P C				
	14			A P C				
	15			A P C				
	16			A P C				
	17			A P C				
	18			A P C				
	19			A P C				
				A P C				
Sampled By: Ed Kennedy			Date: 2-7-20 Time:					
Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:								
Relinquished By: Ed Kennedy			Relinquished By:			Relinquished By:		
Date / Time: 2-8-20			Date / Time:			Date / Time:		
Received By: Diana Gane			Received By:			Received By:		
Date / Time: 2/8/20 9:50			Date / Time:			Date / Time:		
Condition Acceptable? ☒ Yes ☐ No			Condition Acceptable? ☐ Yes ☐ No			Condition Acceptable? ☐ Yes ☐ No		