

**David Jones  
ABC Street  
New York, NY 10591**

**ASBESTOS LIMITED  
SURVEY REPORT**

For

David Jones  
ABC Street  
New York, NY 10591

Date of Assessment: May 24, 2020

Date of Report: May 31, 2020

Completed By: Justin Joe, PhD, CIH, CSP, CBCP  
NYS Licensed Asbestos Inspector #14-19141  
BNF Consulting, Inc.  
152 Route 202, #404  
Lincolndale, NY 10540  
**JUSTIN@ASKBNF.COM**

## 1.0 INTRODUCTION

On Sunday, May 24, 2020, Justin H. Joe, PhD, CIH, CSP, CBCP of BNF Consulting, Inc. (hereafter BNF) completed a Limited Asbestos Survey for the single-family residential property located at ABC Street, New York, NY 10591.

## 2.0 EXECUTIVE SUMMARY

The purpose of the survey was to evaluate potential exposure to asbestos containing materials (ACM) in the property during demolition and rebuild process. Bulk samples were taken from suspected asbestos containing materials. This survey included the following sampling:

- FIFTY TWO (52) bulk samples were collected for asbestos fibers analysis

The analytical results indicate that the following building materials are **Asbestos Containing Materials**, sampled materials exceeding the EPA and NYS Regulation level of 1% for asbestos:

Sample Number(s) Name	Stereoscopic Appearance	Location	% Total Asbestos
35. Bathtub caulking #1	White, Non-Friable, Homogenous	Main Bathroom	Trace Chrysotile, 2.3% Anthophyllite
36. Bathtub caulking #2	White, Non-Friable, Homogenous	Main Bathroom	Trace Chrysotile, 2.3% Anthophyllite

Asbestos Containing Materials was located in the caulking of the fiberglass bath enclosures in the Main Bathroom in the “Q” area of the floor plan attached. Area affected is approximately 40 linear feet.

All other sampled building materials from the affected areas are **NOT Asbestos Containing Materials**, sampled materials do NOT exceed the EPA and NYS Regulation level of 1% for asbestos.

## 3.0 SITE DESCRIPTION

The building at ABC Street, New York, NY 10591 is a two-story, single family residential building. An extensive fire, beginning in the sunroom located at the second floor, consumed most of the interior of the building. An asbestos bulk sampling was performed on the first and second floor of the building as well as the exterior walls.

#### 4.0 FINDINGS/OBSERVATIONS

An extensive fire caused the damaged to most of the interior of the second floor of the house. First floor structure remained intact, with second floor heavily damaged and the roof structure compromised. Additionally, firefighting efforts added substantial amount of water into the walls/ceilings on the first floor, damaging drywall and adding to the mold growth issues. Before the proper restoration/rebuilding of the single family house, BNF performed asbestos building inspections.

The following are some notes regarding the survey efforts, sampling decision processes, and happenings during the planned survey time.

- The proposed survey plan included conducting asbestos bulk sampling from the exterior and interior of both first and the second floor of the single family house. The bulk samples obtained by BNF Consulting were collected and analyzed utilizing Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM). Materials found to contain asbestos greater than one percent (1%) in content are considered asbestos containing materials (ACM).
- ONE area was detected containing Asbestos Containing Materials, which was located in the caulking of the fiberglass bath enclosures in the Main Bathroom. Area affected is approximately 40 linear feet.
- The analytical results indicate that the following building materials tested, except ONE location, are **not Asbestos Containing Materials**, sampled materials **not** exceeding the EPA and NYS Regulation level of 1% for asbestos:

Sample Number(s) Name	Stereoscopic Appearance	Location	% Total Asbestos
1. Roof shingles / Tar #1	Grey-Black, Non-Friable, Non-Homogenous	Roof	None Detected
2. Roof shingles / Tar #2	Grey-Black, Non-Friable, Non-Homogenous	Roof	None Detected
3. Roof shingles / Tar #3	Grey-Black, Non-Friable, Non-Homogenous	Roof	None Detected
4. Underlayment sheathing #1	Black, Non-Friable, Non- Homogenous	Roof	None Detected
5. Underlayment sheathing #2	Black, Non-Friable, Non- Homogenous	Roof	None Detected

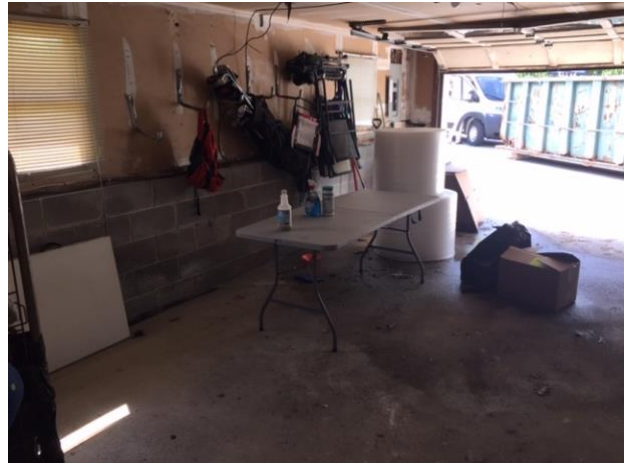
6. Underlayment sheathing #3	Black, Non-Friable, Non-Homogenous	Roof	None Detected
7. Exterior wall siding #1	White, Non-Friable, Non-Homogenous	Exterior wall	None Detected
8. Exterior wall siding #2	White, Non-Friable, Non-Homogenous	Exterior wall	None Detected
9. Foam insulation #1	Yellow, Friable, Homogenous	Exterior wall	None Detected
10. Foam insulation #2	Yellow, Friable, Homogenous	Exterior wall	None Detected
11. Front door entry #1	White, Non-Friable, Non-Homogenous	Front Door	None Detected
12. Front door entry #2	White, Non-Friable, Non-Homogenous	Front Door	None Detected
13. Exterior window flange #1	Grey, Non-Friable, Non-Homogenous	Rear exterior wall	None Detected
14. Exterior window flange #2	Grey, Non-Friable, Non-Homogenous	Rear exterior wall	None Detected
15. Exterior outlet seal #1	White, Non-Friable, Non-Homogenous	Rear exterior wall	None Detected
16. Exterior outlet seal #2	White, Non-Friable, Non-Homogenous	Rear exterior wall	None Detected
17. Drywall #1	White, Friable, Homogenous	Living Room	None Detected
18. Drywall #2	White, Friable, Homogenous	Master Bedroom	None Detected
19. Drywall #2	White, Friable, Homogenous	Kitchen	None Detected

20. Joint Compound #1	White, Friable, Homogenous	Kitchen	None Detected
21. Joint Compound #2	White, Friable, Homogenous	Bathroom	None Detected
22. Wall/Ceiling Insulation #1	Pink, Friable, Homogenous	Living Room	None Detected
23. Wall/Ceiling Insulation #2	Pink, Friable, Homogenous	Bedroom	None Detected
24. Floor underlayment sheeting #1	Black, Non-Friable, Non-Homogenous	Living Room	None Detected
25. Floor underlayment sheeting #2	Black, Non-Friable, Non-Homogenous	Dining Room	None Detected
26. Floor vinyl tile / glue #1	Beige, Non-Friable, Non-Homogenous	Kitchen	None Detected
27. Floor vinyl tile / glue #2	Beige, Non-Friable, Non-Homogenous	Kitchen	None Detected
28. Under sink surfacing #1	Brown, Non-Friable, Non-Homogenous	Kitchen	None Detected
29. Countertop #1	Brown/Black, Non-Friable, Non-Homogenous	Kitchen	None Detected
30. Countertop #2	Brown/Black, Non-Friable, Non-Homogenous	Kitchen	None Detected
31. Ceramic tile thinset #1	Brown, Friable, Homogenous	Main Bathroom	None Detected
32. Ceramic tile thinset #2	Brown, Friable, Homogenous	Main Bathroom	None Detected

33. Ceramic tile thinset #1	Brown, Friable, Homogenous	Master Bathroom	None Detected
34. Ceramic tile thinset #2	Brown, Friable, Homogenous	Master Bathroom	None Detected
35. Bathtub caulking #1	White, Non-Friable, Homogenous	Main Bathroom	YES Trace Chrysotile, 2.3% Anthophyllite
36. Bathtub caulking #2	White, Non-Friable, Homogenous	Main Bathroom	YES Trace Chrysotile, 2.3% Anthophyllite
37. Sink caulking #1	White, Non-Friable, Homogenous	Master Bathroom	None Detected
38. Sink caulking #2	White, Non-Friable, Homogenous	Master Bathroom	None Detected
39. Shower stall #1	Brown, Non-Friable, Non-Homogenous	Main Bathroom	None Detected
40. Shower stall #2	Brown, Non-Friable, Non-Homogenous	Main Bathroom	None Detected
41. Shower stall #1	Blue/Black, Non-Friable, Non-Homogenous	Master Bathroom	None Detected
42. Shower stall #2	Blue/Black, Non-Friable, Non-Homogenous	Master Bathroom	None Detected
43. Countertop #1	Grey, Non-Friable, Non-Homogenous	Master Bathroom	None Detected
44. Countertop #2	Grey, Non-Friable, Non-Homogenous	Master Bathroom	None Detected
45. Countertop #1	Brown, Non-Friable, Non-Homogenous	Main Bathroom	None Detected

46. Countertop #2	Brown, Non-Friable, Non-Homogenous	Main Bathroom	None Detected
47. Drywall #1	Light Brown, Friable, Homogenous	Main Bathroom	None Detected
48. Drywall #2	Light Brown, Friable, Homogenous	Main Bathroom	None Detected
49. Floor tile #1	Brown, Non-Friable, Non-Homogenous	Utility Room	None Detected
50. Floor tile #2	Brown, Non-Friable, Non-Homogenous	Utility Room	None Detected
51. Floor tile #1	Tan, Non-Friable, Non- Homogenous	Utility Room	None Detected
52. Floor tile #2	Tan, Non-Friable, Non- Homogenous	Utility Room	None Detected

**5.0 PHOTOGRAPHS**











## 6.0 ASBESTOS BULK SAMPLING METHODOLOGY

Asbestos bulk samples were collected and placed in zip-lock bags for laboratory analysis. This sampling was performed to identify asbestos in specific suspect asbestos containing materials (ACM). The samples were submitted for standard turn around time analysis via polarized light microscopy (PLM).

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. The PLM method is in accordance with the EPA Interim Method of the Determination of Asbestos in Bulk Samples (EPA, July 1993), or EPA 600 / R-93/116, M-4/82-020. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a sample.

The detection limit of the PLM method for asbestos identification is one percent (1%) asbestos. BNF Consulting recommends Transmission Electron Microscopy (TEM) or Point Counting analysis for asbestos samples with trace, or less than one percent (<1%) when analyzed via PLM.

In some cases, samples collected from an apparently homogeneous material and yielding mixed results may, in fact, have been taken from different homogeneous materials displaying similar visual characteristics but composed of different constituents. Although materials may appear to be homogeneous, different manufacturers may have produced them in different batches. Materials, which appear to be homogenous but yield mixed results, are typically assumed, in accordance with AHERA procedures, to be asbestos containing in all areas where the materials are located.

## 7. CONCLUSION

On May 24, 2020, BNF Consulting collected fifty two (52) bulk samples in the subject property damaged by the fire located on the second floor. The bulk samples collected were analyzed with asbestos Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM). Based upon the asbestos sample results, BNF concludes that all samples **EXCEPT ONE** are **NOT Asbestos Containing Material (ACM)**, exceeding the EPA and NYS Regulation level of 1% for asbestos. ACM was located in the caulking of the fiberglass bath enclosures in the Main Bathroom in the "Q" area of the floor plan attached. Asbestos abatement is required for the property.

## 8. LIMITATIONS

This investigation is limited to the conditions and practices observed and information made available to BNF. The methods, conclusions, and recommendations provided are

based on BNF's judgment, experience and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

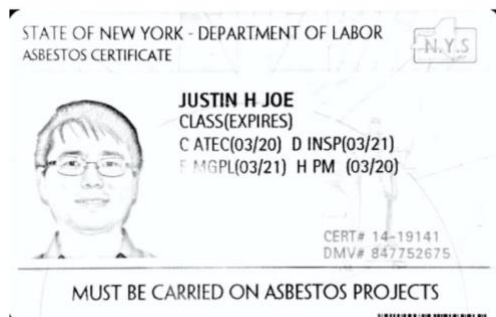
Please do not hesitate to contact our office at 914-297-8335 if you have any additional questions or concerns. Thank you for the opportunity to assist you in promoting a healthier environment.

### 9. ASBESTOS ANALYSIS LABORATORY

Collected asbestos samples were submitted under chain of custody for standard turn around PLM and TEM analysis to AIHA (American Industrial Hygiene Association) accredited for bulk and air asbestos laboratory, Asbestos Analytical Lab in East Brunswick, NJ.

### 10. NEW YORK STATE ASBESTOS INSPECTOR CERTIFICATION

Justin H. Joe PhD, CIH, CSP, CBCP  
New York State Licensed Asbestos Inspector #14-19141



BNF Consulting, Inc.  
New York State Asbestos Handling License #111156

**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

BNF Consulting, Inc.  
15 Lincoln Avenue  
Somers, NY 10589

FILE NUMBER: 18-111156  
LICENSE NUMBER: 111156  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 04/09/2020  
EXPIRATION DATE: 04/30/2021

Duly Authorized Representative – Justin Joe:

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Eileen M. Franko, Director  
For the Commissioner of Labor

SH 432 (8/12)

