

Superfund Records Center

SITE: Carroll Lumber Mill

BREAK: 2.2

OTHER: 599379

**SUPPLEMENTAL  
ENVIRONMENTAL SITE ASSESSMENT**



SEMS DocID 599379

**Old Village Mill, LLC  
57-59 & 65 Brunswick Avenue Ext.  
Plainfield, CT  
file 2672**

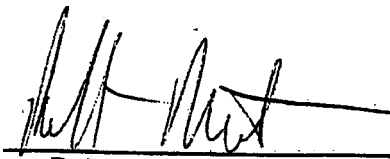
***Prepared for:***

**Mr. George Scarveles  
Old Village Mill, LLC  
261 Beacon Road  
Bethany, CT 06524**

**October 18, 2001**

Prepared by:

JME: FOR  
John M. Ernst  
Environmental Manager

  
Robert P. McCarthy, P.E.  
Project Engineer

# TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Preface .....	i
Authorization .....	i
I.    INTRODUCTION/SCOPE OF WORK .....	1
II.   SITE OVERVIEW .....	2
A.    Site Location and Description .....	2
III.  SITE INVESTIGATION .....	3
A.    Site Historical Background .....	3
B.    General Site Conditions .....	3
C.    Drum and Container Inventory .....	4
D.    Asbestos Investigation .....	5
E.    Underground Storage Tanks (USTs) .....	8
F.    Electric Transformers .....	8
IV.   SUMMARY .....	9
V.    RECOMMENDATIONS .....	10
VI.   LIMITATIONS .....	11

## Tables

- Drum and Container Inventory
- Asbestos Investigation - Materials Inventory and Cost Estimate Matrix

## Figures

- Site Plan and Study Area
- Approximate Locations of Drums and Containers
- Asbestos Survey Building Identification Numbers

## Appendices

- Asbestos Investigative Survey Report, 10/09/01, Forbes & Wheeler, Inc.

## **Preface**

Throughout this document, the terms 'Customer', 'Client' and 'Old Village Mill' refer to Old Village Mill, LLC, while 'Consultant', 'Engineer' or 'AARON' refers to AARON Environmental. 'CTDEP' refers to the State of Connecticut Department of Environmental Protection and 'EPA' or 'USEPA' refers to the United States Environmental Protection Agency.

This report has been prepared for the sole use of the Customer of AARON. Use of this report by any person or entity other than the Customer is not authorized without the written consent of AARON. Conclusions listed in this document have been based on information provided in part by the Customer, the Customer's agents or third parties including, but not limited to, state and local authorities. Pursuant to this, the accuracy of said information is not guaranteed by AARON.

The field observations and research reported herein are considered sufficient in detail and scope to form a reasonable basis for a supplemental environmental assessment of this property. The findings and conclusions presented herein for the site described have been promulgated in accordance with general environmental engineering practices. These environmental methods have been developed to provide the client with information regarding apparent indications of existing or potential environmental conditions relating to the subject property, and are limited to the information available at the time of the site visit and research.

### ***Authorization***

Authorization was given by Mr. George Scarveles of Old Village Mill, LLC to perform a Supplemental Environmental Site Assessment of the property known as 57-59 & 65 Brunswick Avenue Ext., Plainfield, Connecticut.

## **I. INTRODUCTION/SCOPE OF WORK**

AARON was asked by Old Village Mill, LLC to conduct a Supplemental Environmental Site Assessment of the property known as 57-59 & 65 Brunswick Avenue Ext., Plainfield, Connecticut. A Phase I Environmental Site Assessment completed in May 2001 identified several areas of potential concern (AOCs) at the Subject Site. Certain AOCs warranted a timely investigation due to the condition or nature of the materials and are the subject of this Supplemental Site Assessment.

The scope of work for this Supplemental Site Assessment included:

- Provide a licensed asbestos inspector to visually inspect building debris piles and accessible portions of partially demolished building structures for the presence of suspect asbestos containing building materials. Collect representative samples of suspect materials and submit to a independent, state certified laboratory for PLM analysis.
- Visually inspect accessible portions of on site structures and immediate grounds for the presence of containerized hazardous materials. Inventory identified containers (provide ID marking on container, identify volume of material and physical condition). Secure leaking containers (if any), provide general description of contents and condition of containers.
- Provide a written report with tabular summary of the results of asbestos inspection and the container inventory. Provide cost estimates to abate and/or remove identified materials.

## II. SITE OVERVIEW

### A. Site Location and Description

The subject property consists of three separate parcels described as follows:

Address: 57-59 & 65 Brunswick Avenue Ext.  
Plainfield (Moosup), Connecticut  
Windham County

Current Owner: Old Village Mill, LLC

Map/Block/Lot: 30 / 111 / B 7; 4M / 111 / 11; and, 4M / 111 / B 5

USGS Quadrangle: Oneco, CT / RI (7.5 x 15 minute)

Latitude: 41° 43' 3"                      Longitude: 71° 51' 42"

The configuration of the land parcels is illustrated in the Figures section of this report. Figure 1 is an overall Site map showing the parcel and building locations, Figure 2 is a plan of the building areas with approximate drum and container locations, and Figure 3 is a plan of the building areas with identification numbers for the asbestos survey.

Each of the properties and buildings are currently vacant (not occupied). A pedestrian bridge is present adjacent to the subject parcels within the right-of-way for Brunswick Avenue and provides access across the Moosup River.

### III. SITE INVESTIGATION

The following sources were utilized to generate the information provided in this section:

- *Site walk completed September 4, 2001 by Robert McCarthy and Phil Rydel of AARON.*
- *"Asbestos Investigative Survey Report, Former Cadle Company, Brunswick Avenue, Moosup Connecticut," Forbes & Wheeler, Inc., October 9, 2001*
- *"Phase I Environmental Site Assessment, Old Village Mill, LLC, 57-59 & 65 Brunswick Avenue, Plainfield, CT," AARON Environmental, May 2001*
- *Property Survey Showing Lands Now or Formerly of Old Village Mill, LLC by Vollmer Associates LLP. Undated, as this was a preliminary map provided by the client.*

#### A. Site Historical Background

The Site has a history of occupation by textile mills. Information obtained as part of the Phase I Environmental Site Assessment (Phase I) indicates that the main mill was constructed in 1891. In 1899 the mill was sold to the American Woolen Company which operated Glens Falls Mill until 1932 when the building was sold. Brunswick Worsted Mills, Inc. purchased the mill in 1933 and continued to own and operate the mill until the time of the CHC report in 1980. The property continued to be operated as a textile mill until circa 1986.

According to the Plainfield Fire Marshal, Mr. Paul Yellen, the main mill building was occupied by various companies during a portion of the 1980's and has been vacant for at least the past ten years. Mr. Yellen indicated that a hydroelectric power generation plant was present in the basement of the building, a fiberglass boat manufacturer was present on the 1<sup>st</sup> and 2<sup>nd</sup> floors, and a pharmaceutical company (Davis Pharmaceuticals) was present on the upper floor.

A fire occurred in the Brunswick Mill building on October 21, 2000. The fire consumed all four floors of the building immediately adjacent to the river but did not impact the office areas at the west end of the building. A demolition company razed much of the eastern half of the building and created stockpiles of metal and building debris, which remain at the Site.

#### B. General Site Conditions

The Site buildings are in generally poor condition including both the remaining Brunswick Mill Building and the Carvill Combing Building. These buildings contain significant physical hazards, including; holes in the first and second floors, holes with hanging debris from the roof, partially demolished buildings with unsupported walls

remaining, pits and fall areas, and miscellaneous residual manufacturing and building debris throughout the buildings. Certain portions of the Brunswick Mill building and Carvill Combing building were not accessible for inspection due to these physical hazards and obstructions.

### C. Drum and Container Inventory

A survey was conducted by AARON of all accessible areas of the buildings and the property immediately around the buildings. The purpose of this survey was to catalog any containers that may contain or have previously contained hazardous substances. In particular, each container was investigated to note its quantity, size, label, location on the property, and suspected contents. This information is summarized on Table 1 and on Figure 2. *No attempt was made to conclusively identify the contents of any identified drum or container on Site. The information presented below and in the attached table represents only cursory information gathered through observation of the containers, their physical state and environment in which they were located. Samples from each container would have to be collected and analyzed in order to conclusively identify their contents.*

**2-Story House and Adjacent Property** - No drums or containers were identified within the 2-story house structure itself. Two 55 gallon size drums were identified in the area immediately surrounding the building. These containers were identified at locations 1 and 2 which are located along the access road that runs to the westside of the 2-story house. The containers appear to be filled with household trash and fiberglass fabric. The containers are in fair condition and neither container appears to pose a significant hazard in its current state.

**Main Mill Building - West of River** - Several locations were identified within this building that contained miscellaneous drums or containers. Two, one gallon size, containers, in fair condition, were identified at locations 13 and 23 that appear to contain waste oil. Several 55 gallon size drums were noted at locations 12, 14, and 22 that appear to contain polyester/fiberglass resin and/or fiberglass fabric. Approximately thirty other 55 gallon size drums were identified within the remainder of the structure. Most of these drums are in fair to poor condition and either appear to be empty or containing small amounts of unidentified liquids (the liquid may be water that has leaked into the drums through open tops or bungs). Several drums were inaccessible (location 25) due to safety concerns and their contents could not be ascertained. One plastic 55 gallon size drum (location 19), in good condition, contained a label indicating the contents to be Acetic Acid. This drum appeared to contain approximately 5 gallons of a liquid. Acetic Acid is considered to be hazardous, therefore, this container is a potential concern. Four, 55 gallon size, drums were identified in the area immediately outside this structure at locations 3, 4, 5, and 6. Two of these drums are filled with fiberglass fabric and trash, one is empty, and one (with an open top) appears to be full of rain water. These four drums are in fair condition and do not appear to pose a significant hazard. In addition, approximately ten 5-gallon buckets labeled as asphalt sealer and roofing tar are

present at location 7. These buckets appear to be mostly empty. One additional 55 gallon size drum (location 11) is crushed and appears to be empty.

**Corrugated Steel Storage Building** - Approximately six, 55 gallon size drums are located in and around this structure (locations 8, 9, and 10). These drums are in fair condition and appear to be full of household trash and foam rubber. They do not appear to pose a significant hazard in their current state.

**Remote Mill Building - East of River** - Several drums and containers were identified within this building. Approximately eight, 5 gallon size, containers believed to contain paint, oil, or cleaning solvents are located in the maintenance shop in the basement. Two other 55 gallon size drums contain liquids which may be waste oils. These 5 gallon and 55 gallon containers are in fair condition. One 55 gallon size drum is present which contains a solid white material. This drum is in poor condition, as the solid white material is visible through the sides near to the bottom.

#### D. Asbestos Investigation

Forbes & Wheeler, Inc. was contracted by AARON Environmental to perform an Asbestos survey of the accessible portions of the Site. During the period of September 4 - 10, 2001 Forbes & Wheeler performed a detailed inspection of the structures and debris piles at the Site. Information about the number of samples collected and the methods of collection are annex to this report.

The areas from which samples could be collected and analyzed were limited to those areas that were deemed to be safe and accessible. Specific areas from which samples could not be collected are detailed within the report itself.

In summary, a total of 277 samples were collected and submitted for laboratory analysis of which 143 were identified as Asbestos Containing Material (ACM). *Note: Several metal-clad fire doors are located throughout the buildings on the property - samples were not collected from these doors, however, it is assumed that ACM is present in these doors. Also, samples were not collected from the flange gasket and valve packing materials associated with the heating system in several of the buildings on the Site, however, historical evidence suggests that ACM may also be present in these materials.*

The following is a summary of the buildings on the property and the locations at which ACM was found:

**2-Story House (Building ID #1)** - This structure is constructed of primarily wood framing and consists of various rooms that appear to have been used as office space. Throughout the interior of the structure ACM was found within the heating system, joint compound & tape, and various floor tiles. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system throughout the building. On the



exterior of the building ACM was found to be present in the transite siding and the roofing tar/paper material.

**Remote Mill Building - East of River (Building ID #2)** - This structure is constructed of brick and mortar exterior walls with a combination of wood and concrete flooring. The internal support structure consists of wood and steel beams. The space appears to have been used primarily for manufacturing with some maintenance and mechanical areas located in the basement. Extensive evidence of ACM was found in the interior of this building. ACM was found in the thermal insulating material used throughout the heating system. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system throughout the building. ACM was also detected to be present in the ceiling panels, floor tiles, window glazing, and in an electric cable. On the exterior of the building, ACM was detected in the shingles, tar, and paper roofing.

**Main Mill Building - West of River (Building ID #3)** - This structure is attached to the 2-story house (Building ID #1) and consists of rock and mortar exterior walls with tongue-and-groove wood flooring supported by wood and steel beams. The space appears to have been used primarily for manufacturing. ACM was detected in the paper insulation and insulation debris associated with the heating system on the basement, first, and second floors on the structure. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system throughout the building. ACM was also detected in the shingles that were located in the loading dock area and also in the tar and felt paper located on the exterior of the building.

**Shed (Building ID #4)** - This is a small wooden structure located along the access road adjacent to the 2-story house and mill. The shed has asphalt siding and rolled roofing material along with tar paper on the exterior. No ACM was detected in the samples collected from this structure.

**Pump House (Building ID #5)** - This is a small concrete-walled structure located along the access road adjacent to the 2-story house and mill. The structure has two layers of asphalt shingles on the exterior of the roof. No ACM was detected in the samples collected from the asphalt shingles. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing material in the building.

**Corrugated Steel Storage Building (Building ID #6)** - This structure is located north of the access road adjacent to the 2-story house and mill. The structure consists of corrugated metal siding and roofing supported by a steel beam superstructure. One sample was collected from the cloth wiring in this building. Analysis determined that no ACM was present in the sample.

**Oil Storage Structure (Building ID #7)** - This structure is located east of the access road adjacent to the 2-story house and mill. The structure is constructed

of concrete and cement block with wooden beams supporting rolled asphalt roofing. One sample was collected from the rolled roofing on this building. Analysis determined that no ACM was present in the sample.

**Storage Building (Building ID #8)** - This building is attached to the north-side of the main mill building. It is a 2-story structure with the exterior walls constructed of rock and mortar. The second floor proved to be inaccessible. ACM was detected in the samples collected from interior window glazing, heating system insulation, and roofing material. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system in this building.

**Boiler Room of Main Mill Building (Building ID #9)** - This boiler room is located in the northeast corner of the main mill building. ACM material was detected in the samples collected from the insulation material around the boiler and from the ceiling material in the area. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system in this area.

**Turbine Building (Building ID #10)** - This building is constructed of rock and mortar and is located adjacent to the river east of the main mill building. No ACM was detected in the samples collected from this area. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system in this area.

**Water Outlet Building (Building ID #11)** - This area is located adjacent to the turbine building and served to discharge post-turbine water back into the river. Primarily all that remains of this structure are the brick, mortar, and wood walls with some roofing material strewn about. ACM was detected in the samples collected from the roofing and tar paper material in this area.

**Debris Pile 1 (Building ID #12) \*** - The eastern-most debris pile consists of rubble from the main mill building. ACM was detected in the sample collected from a mudded elbow of a heating pipe located in the southwest corner of this pile. Samples were not collected, but ACM is assumed to be present in the flange gasket and valve packing materials used on the heating system that may be present in this pile.

**Debris Pile 2 (Building ID #13) \*** - The western-most debris pile consists of rubble from the main mill building. ACM was detected in the sample collected from the roofing material that is located throughout this pile. Samples were not collected, but ACM is assumed to be present in heating system material that is located on the eastern-side of this pile.

\* Please note that materials identified on the debris piles represent materials that were visibly observed on the surface only. Should any additional materials suspect of containing asbestos be discovered beneath the surface of the piles

during construction activities, such materials must either be assumed and handled as asbestos, or evaluated by a certified Asbestos Inspector prior to any further construction activities that would disturb such materials.

According to the National Emissions Standards for Hazardous Air Pollutants (NESHAPs) published by the Environmental Protection Agency (EPA) all ACM must be removed from the facility before any activity begins that would break up, dislodge, or similarly disturb the ACM.

#### **E. Underground Storage Tanks (USTs)**

There are currently three known USTs on the site, each are 20,000 gallon heating oil tanks. Two 20,000 gallon heating oil USTs were installed circa 1956 and are located in a concrete bunker to the north of the Brunswick Mill building. One 20,000 gallon heating oil UST, installed circa 1954, is located in a concrete bunker to the south of the former Carvill Combing Co. building, immediately adjacent to the Moosup River.

The two USTs located adjacent to the Brunswick Mill building are each 120" diameter and approximately 34' long, which is consistent with a 20,000 gallon capacity. The UST located closest to the driveway contains 18" of oil and water (1,879 gallons) and the second UST contains 7" of oil and water (465 gallons).

The UST located on the east of the river has a measured diameter of 102" and approximate length between 27 and 34' (the ends could not be accurately located to determine the length). The measured diameter is not consistent with a 20,000 gallon tank size and indicates that the UST is either a smaller capacity, 10,000 or 12,000 gallon, or contains a solid material in the bottom 18" which does not allow an accurate measurement. The UST contains 12" of oil and water (730 to 1,040 gallons, depending on actual tank capacity).

Remaining underground piping emanating from these tanks is anticipated to contain residual petroleum product.

#### **F. Electric Transformers**

Two electric transformers are located in the partially demolished portion of the main mill building. The transformers are mostly buried within the building debris and only the tops are exposed. Markings on the transformers indicate that they were manufactured by General Electric in Schenectady, New York. No additional markings or labels were visible. As such, the presence or concentration of Poly Chlorinated Biphenols (PCBs) could not be determined.

The transformers are cylindrical shaped, approximately 24" at the top, and appear to be the typical "pole mounted type". However, the transformers are present at ground level, among the building debris.

#### IV. SUMMARY

The Subject Site consists of several buildings which are vacant (abandoned) and partially demolished and/or damaged by fire. The main mill building was damaged by fire and is largely demolished. An office area, a two story house structure, remains intact and is located off the west end of the main mill building. An additional three story mill structure, which is part of the subject Site, is located on the east side of the Moosup River.

These buildings contain significant physical hazards, including; holes in the first and second floors, holes with hanging debris from the roof, partially demolished buildings with unsupported walls remaining, pits and fall areas, and miscellaneous residual manufacturing and building debris throughout the buildings. Certain portions of the mill buildings were not accessible for inspection due to physical hazards and obstructions. Two distinct piles of debris are present in the area of the demolished main mill building. These debris piles include various building materials such as metal, brick, stone, mortar, wood, and ash.

A Phase I Environmental Site Assessment completed in May 2001 identified several areas of potential concern (AOCs). Certain AOCs warranted a timely investigation due to the condition or nature of the materials. The AOCs which were targeted as part of this Assessment included potential Asbestos Containing Materials (ACM) and an inventory and inspection of drums, cans, and containers within and adjacent to the buildings. The container inventory included an inspection of known underground storage tanks (USTs) and possible electric transformers.

The ACM survey included collection of a total of 277 samples from throughout the Site buildings and the debris piles. The samples were submitted for laboratory analysis and 143 were identified as ACM. The ACM was identified in various buildings, materials, and locations. Detailed descriptions of the buildings, locations, and materials identified are included in the Forbes & Wheeler, Inc. report (Appendix) and were summarized in Section III D of this report.

The container investigation identified approximately 62 cans, buckets, tanks and drums ranging in size from 1 to 55 gallons. The contents of the containers were observed to consist of a variety of materials, including: nothing, trash, building debris, fiberglass, resin, water, oil, paint, and potentially hazardous materials. The potentially hazardous materials include: a drum labeled as acetic acid, a drum containing an unknown white solid material, and several unlabeled drums containing liquids.

Three underground storage tanks (USTs) are present at the Site which were formerly utilized to store heating oil for the mill buildings. The USTs are each believed to have a 20,000 gallon capacity, although one UST located on the east side of the Moosup River is potentially smaller (10,000 or 12,000 gallon). The USTs contain between 465 and 1,879 gallons of oil and water, for a total of approximately 3,400 gallons. The USTs were installed circa 1956 and are beyond their life expectancy. Underground piping remains and is presumed to contain fuel oil.

Two electric transformers are buried in the partially demolished section of the main mill building, with only the tops exposed. Visible markings indicate that the transformers were manufactured by General Electric. No additional markings are accessible to determine if the transformers are PCB containing.

## V. RECOMMENDATIONS

Materials at the Site which should be appropriately removed, disposed, or otherwise abated include: identified Asbestos Containing Materials (ACM), drums, containers, USTs, and electric transformers.

In accordance with EPA NESHAPS regulations (40 CFR Part 61), building owners must remove all ACM from a facility (or area of a facility) before any activity begins that would break up, dislodge, or similarly disturb the ACM. Section 4.00 of the Forbes & Wheeler report (see Appendix) includes further recommendations and applicable regulations pertaining to the ACM.

The following tasks are recommended to be completed at the Site:

Task
Removal and disposal of Identified drums and containers
Removal of identified ACM from throughout Site
Closure by removal of three 20,000 gallon USTs
Removal and disposal of two electric transformers

## VI. LIMITATIONS

All work product and reports provided by AARON Environmental (AARON) in connection with the performance of environmental site assessments are subject to the following limitations:

1. The observations described in the assessment report were made under the conditions stated therein. The conclusions presented in the assessment report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the client.
2. In preparing this assessment report, AARON has relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available to AARON at the time of the site assessment. To the extent that such files are missing, incomplete or not provided to AARON, AARON is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, AARON did not attempt to independently verify the accuracy or completeness of all information reviewed during the course of this site assessment.
3. Observations were made of the site and of structures on the site as indicated within the assessment report. Where access to portions of the site or to structures on the site was unavailable or limited, AARON renders no opinion as to the presence of hazardous substances, waste or petroleum and chemical products. Furthermore, AARON renders no opinion where direct observation of the interior walls, floors, or ceilings of a structure on a site was obstructed by objects or coverings on or over these surfaces.
4. Unless otherwise specified in the assessment report, AARON did not perform testing or analysis to determine the presence or concentration of asbestos, radon, lead or polychlorinated biphenyls (PCBs) at the site or in the environment of the site.
5. The purpose of this assessment report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes. No specific attempt was made to check the compliance of present or past owners or operators of the site with federal, state or local laws and regulations, environmental or otherwise.
6. If the conclusions and recommendations contained in this assessment report are based in part upon data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations, then the nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this assessment report.
7. If water level readings have been made in test pits, borings, and/or observation wells, these observations were made at the time and under the conditions stated on the test pit or boring logs or in the assessment report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall, passage of time and other

- factors. Should additional data become available in the future, the data should be reviewed by AARON, and the conclusions and recommendations modified accordingly.
8. Except as noted within the text of the assessment report, no quantitative laboratory testing was performed as part of the site assessment. Where such analysis have been conducted by an outside laboratory, AARON has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the test data.
  9. Chemical analysis may have been performed for specific parameters during the course of this site assessment, as described in the test. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the site.
  10. If the conclusions and recommendations contained in this assessment report are based, in part, upon various types of chemical data; then the conclusions and recommendations are contingent upon the validity of such data. The data have been reviewed and interpretations made in this assessment report. If indicated within the assessment report, some of this data may be preliminary "screening" level data, and should be confirmed with quantitative analysis if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, this data should be reviewed by AARON and the conclusions and recommendations represented herein modified accordingly.
  11. It is recommended that AARON be retained to provide further hydrogeologic and engineering services during the construction and/or implementation of any remedial measures recommended in this assessment report. This is to allow AARON to observe compliance with the concepts and recommendations contained herein, and to allow the development of changes to the remedial program in the event that subsurface conditions or other conditions differ from those anticipated.
  12. The installation of test borings, in substitution for tank removal, cannot be used as conclusive evidence to determine the environmental quality of the soils and groundwater. It should be noted that AARON can draw no conclusions concerning the presence of soil or groundwater contamination, unless the tanks are removed and soil samples are collected and analyzed for the appropriate parameters.
  13. This assessment report does not intend to serve the purpose of an environmental compliance audit. AARON recommends that such a procedure be considered to ensure compliance with state and federal regulations. This would specify proper handling and disposal procedures for waste solvents and oils generated on-site.

14. Plot plans, sketches, and other illustrative materials in this report are included to assist the reader in visualizing the site and are not necessarily drawn to scale.
15. A Phase I Site Assessment is not intended to be a definitive study of the site, and therefore is not suitable for use in planning site remediation or undertaking enforcement actions against potentially responsible parties.
16. No definitive conclusion can be drawn concerning the environmental quality of soils or groundwater at this site without the implementation of a detailed hydrogeologic investigation and sampling program.



Table 1 - Drum and Container Inventory  
 57-59 65 Brunswick Avenue  
 Moosup, Connecticut

Location ID	Quantity	Color	Size (in gallons)	Label	Suspected Contents
<b>** West of River **</b>					
1	1	Green	55	UN 1866 Polyester Resin	Partially full of trash
2	1	Brown	55	None	Full of fiberglass fabric & trash
3	1	Brown	55	None	Full of fiberglass fabric & trash
4	1	Brown	55	None	Full of fiberglass fabric & trash
5	1	Brown	55	UN 1090 Acetone	Empty
6	1	Yellow	55	None	Open top. Partially full, likely rain water
7	10	Black & Rust	5	Asphalt sealer/Roofing tar	Mostly empty
8	1	Red, White & Blue	30	None	Partially full of trash
9	1	Black	55	None	Full of foam rubber & trash
10	4	Brown & White	55	None	Partially full of trash & fiberglass
11	1	Brown	55	None	Crushed
12	2	White	5	UN 1866 Polyester Resin	Hardened Polyester resin
13	3	White	1	None	Possible Waste oil
14	1	White	55	None	Empty drum covered with fiberglass
15	2	White	55	None	Empty
16	1	Black	55	None	Partially full of liquid (< 10 gallons)
17	1	White	55	None	Partially full of liquid & trash
18	1	White	55	None	Open top. Partially full, likely rain water
19	1	Black	55	Acetic Acid	Partially full of liquid (< 5 gallons)
20	4	Green	55	None	1 Full other inaccessible
21	2	?	55	None	Partially full of liquid
22	1	?	2	Resin	Partially full
23	1	?	1	None	Leaking jug of waste oil
24	6	?	5	None	Assorted buckets
25	9	Rusty	55	None	Appear to be empty, but inaccessible
26	1	Black	55	None	Plastic drum. Inaccessible
<b>** East of River **</b>					
27	8+	?	5	None	Assorted buckets in maintenance area
28	1	Green	55	None	Full of liquid (possible waste oil)
29	1	?	55	None	Full of solid white material
30	1	Blue	20	None	Partially full of liquid (< 5 gallons)

**Materials Inventory and Cost Estimate Matrix  
Mill Building/2-Story House**

MATERIAL DESCRIPTION	HOMOGENEOUS AREA	NEE/HP CATEGORY	BIDD ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO.	RESULTS (H)	ESTIMATED REMOVAL COSTS
PLASTER ROUGH COAT	1	NA	1	THROUGHOUT	NA	NA	01A,B,C,D,E	-	\$0
PLASTER SKIM COAT	2	NA	1	THROUGHOUT	NA	NA	02A,B,C,D,E	-	
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-01	20LF	POOR	02A	+	\$500
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-02	25LF	POOR		+	\$625
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-04	40LF	POOR		+	\$1,000
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-03	15LF	POOR		+	\$375
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-05	15LF	POOR		+	\$375
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-06	1LF	POOR		+	\$25
T.S.I MUDDED ELBOW	4	RACM	1	RM1-01	2EA	POOR	03A	+	\$100
T.S.I MUDDED ELBOW	4	RACM	1	RM1-04	6EA	POOR		+	\$300
T.S.I MUDDED ELBOW	4	RACM	1	RM2-06	1EA	POOR		+	\$50
SHEETROCK	5	NA	1	THROUGHOUT	NA	NA	05A,B	-	
JOINT COMPOUND & TAPE	6	RACM	1	RM1-02	400SF	GOOD	06A	+	\$2,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-04	800SF	GOOD		+	\$4,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-05	400SF	GOOD		+	\$2,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-07	1100SF	GOOD		+	\$5,500
JOINT COMPOUND & TAPE	6	RACM	1	S-01	300SF	GOOD		+	\$1,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-02	500SF	GOOD		+	\$2,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-04	500 SF	GOOD	06B	+	\$2,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-05	400 SF	GOOD		+	\$2,000
12" X 12" RED FLOOR TILE	7	I	1	RM1-01	25SF	POOR	07A,B	+	\$50
BEIGE MASTIC ASSOC W/07A,B	8	NA	1	RM1-01	NA	NA	08A,B	-	
BROWN GLUE ON FIBERGLASS WRAP	9	NA	1	RM1-01	NA	NA	09A	-	
BLACK VAPOR BARRIER PAPER	10	NA	1	THROUGHOUT 1ST FLOOR	NA	NA	10A,B	-	
BLACK VAPOR BARRIER PAPER	10	NA	1	THROUGHOUT 2ND FLOOR	NA	NA		-	
9" X 9" RED FLOOR TILE	11	I	1	RM1-02	200SF	POOR	11A,B	+	\$400
BLACK MASTIC & TAR PAPER	12	NA	1	RM1-02	NA	NA	12A	-	
BEIGE WALL TILE MASTIC	13	NA	1	RM1-03	NA	NA	13A,B	-	
THICK CLOTH WIRING	14	NA	1	RM1-03	NA	NA	14A	-	
THIN CLOTH WIRING	15	NA	1	RM1-03	NA	NA	15A	-	
BROWN FLOOR TILE	16	I	1	RM1-03	100SF	POOR	16A	+	\$300
BROWN FLOOR TILE	16	I	1	RM1-04	500SF	POOR	16B	+	\$1,500
BROWN FLOOR TILE	16	I	1	RM1-05	120SF	POOR		+	\$360
BROWN FLOOR TILE	16	I	1	RM1-07	600SF	POOR		+	\$2,400
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-03	NA	NA	17A	-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-04	NA	NA	17B	-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-05	NA	NA		-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-07	NA	NA		-	
BEIGE CARPET MASTIC	18	NA	1	RM1-04	NA	NA	18A	-	

**Materials Inventory Cost Estimate Matrix**  
**Mill Building/2-Story House**

MATERIAL DESCRIPTION	ROOM GENOUS AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO.	RESULTS (#)	ESTIMATED REMOVAL COSTS
BEIGE CARPET MASTIC	18	NA	1	RM1-05	NA	NA	18B	-	
12" X 12" PARKAY FLOOR TILE	19	NA	1	RM1-07	NA	NA	19A,B	-	
BROWN WALL PANEL MASTIC	20	II	1	S-01	300SF	GOOD	20A,B	+	\$1,500
BROWN STAIR TREAD	21	NA	1	S-01	NA	NA	21A,B	-	
12" X 12" BEIGE FLOOR TILE	22	I	1	S-01'	125SF	POOR	22A	+	\$250
12" X 12" BEIGE FLOOR TILE	22	I	1	RM2-03	200SF	POOR		+	\$400
12" X 12" BEIGE FLOOR TILE	22	I	1	RM2-04	150SF	POOR	22B	+	\$300
12" X 12" BEIGE FLOOR TILE	22	I	1	RM2-05	300SF	POOR		+	\$600
9" X 9" BEIGE FLOOR TILE	23	I	1	RM2-01	60SF	POOR	23A,B	+	\$120
9" X 9" DOT FLOOR TILE	24	I	1	RM2-02	120SF	POOR	24A,B	+	\$240
BLACK FLOOR TILE MASTIC	25	NA	1	THROUGH 2ND FLOOR	NA	NA	25A,B	-	
BATTLESHIP LINELOUM	26	NA	1	RM2-04	NA	NA	26A,B	-	
1' X 1' CEILING TILE	27	NA	1	RM2-06	NA	NA	27A,B	-	
9" X 9" WHITE FLOOR TTILE	28	I	1	RM2-06	600SF	POOR	28A,B	+	\$1,200
TRANSITE SHINGLES	29	II	1	EXTERIOR	2000SF	POOR	29A,B	+	\$10,000
TAR PAPER UNDER TRANSITE	30	NA	1	EXTERIOR	NA	NA	30A,B	-	
VAPOR BAR. PAPER UNDER CLABOARD	31	NA	1	EXTERIOR	NA	NA	31A,B	-	
FRONT DOOR WINDOW GLAZING	32	NA	1	EXTERIOR	NA	NA	32A,B	-	
WINDOW GLAZING	33	NA	1	EXTERIOR	NA	NA	33A,B	-	
ASPALT SHINGLES	34	NA	1	EXTERIOR	NA	NA	34A,B	-	
ROOFING TAR/PAPER	35	I	1	EXTERIOR	4200SF	POOR	35A,B	+	\$21,000
FLANGE GASKET MATERIAL	137	I	1	S-0 1	1EA	NA	NA	ASSUME	\$100
VALVE PACKING	138	RACM	1	THROUGHOUT	6EA	NA	NA	ASSUME	\$300
MERCURY THEROMETER SWITCH	NA	NA	NA	RM2-03	1EA	NA	NA	NA	
<b>TOTAL</b>									<b>\$66,370</b>

**Materials Inventory and Cost Estimate Matrix  
Mill Building Across River**

MATERIAL DESCRIPTION	FOND GENOUS AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO	RESULTS (H)	ESTIMATED REMOVAL COSTS
HARD PACKED GASKET	36	NA	2	BOILER RM	NA	NA	36A,B	-	
CLOTH WOVEN GASKET	37	NA	2	BOILER RM	NA	NA	37A,B	-	
BOILER JACKET INSULATION	38	RACM	2	BOILER RM	600SF	POOR	38A	+	\$9,000
BOILER BLOCK INSULATION	39	RACM	2	BOILER RM	600SF	POOR	39A	+	\$9,000
BREECHING CAULKING	40	II	2	BOILER RM	3SF	POOR	40A,B	+	\$30
CEILING BOARD	41	RACM	2	BOILER RM	300SF	POOR	41A,B	+	\$3,000
CEILING BOARD	41	RACM	2	ARCH RM	700 SF	POOR		+	\$7,000
T.S.I SOLID CORE	42	RACM	2	BOILER RM	15LF	POOR	42A	+	\$375
T.S.I SOLID CORE	42	RACM	2	EAST RM	40LF	POOR		+	\$1,000
T.S.I LAYERD PAPER	43	RACM	2	BOILER RM	10LF	POOR	43A	+	\$200
TSI DEBRIS	43	RACM	2	BOILER RM	225 SF	POOR		+	\$450
T.S.I LAYERD PAPER	43	RACM	2	WEST RM	50LF	POOR		+	\$1,000
TSI DEBRIS	43	RACM	2	EAST RM	500 SF	POOR		+	\$1,000
T.S.I LAYERD PAPER	43	RACM	2	EAST RM	350LF	POOR		+	\$7,000
T.S.I LAYERD PAPER	43	RACM	2	ARCH RM	40LF	POOR		+	\$800
T.S.I LAYERD PAPER	43	RACM	2	2ND FLOOR	15LF	POOR		+	\$300
T.S.I LAYERD PAPER	43	RACM	2	3RD FLOOR	400LF	POOR		+	\$8,000
TAR/ LAYERD PAPER	44	RACM	2	WATER TANK RM	35LF	POOR	44A	+	\$1,050
TAR/ LAYERD PAPER	44	RACM	2	WOOL RM	30LF	POOR		+	\$900
TAR/ LAYERD PAPER	44	RACM	2	EAST RM	60LF	POOR	44B	+	\$1,800
CLOTH WOVEN EQUIPMENT	45	NA	2	WEST RM	NA	NA	45A	-	
CLOTH WOVEN EQUIPMENT	45	NA	2	EAST RM	NA	NA	45B	-	
ELECTRICAL CABLE THICK	46	II	2	THROUGHOUT	UNK	POOR	46A,B	+	\$6,000
T.S.I MUDDED ELBOWS	47	RACM	2	EAST RM	36EA	POOR	47A	+	\$1,800
T.S.I MUDDED ELBOWS	47	RACM	2	BOILER RM	1EA	POOR		+	\$150
T.S.I MUDDED ELBOWS	47	RACM	2	WEST RM	3EA	POOR		+	\$150
T.S.I MUDDED ELBOWS	47	RACM	2	ARCH RM	2EA	POOR		+	\$100
T.S.I MUDDED ELBOWS	47	RACM	2	3RD FLOOR	35EA	POOR		+	\$1,750
PAPER WRAP ON PIPE	48	NA	2	WEST RM	NA	NA	48A,B	-	
ELECTRICAL CABLE THIN	49	NA	2	THROUGHOUT	NA	NA	49A,B	-	
INT LARGE WINDOW GLAZING	50	II	2	WEST RM	600LF	POOR	50A	+	\$3,000
INT LARGE WINDOW GLAZING	50	II	2	BOILER RM	225LF	POOR		+	\$1,125
INT SMALL WINDOW GLAZING	50	II	2	ARCH RM	20LF	POOR	50B	+	\$100
INT SMALL WINDOW GLAZING	50	II	2	2ND FLOOR	120LF	POOR		+	\$600

**Materials Inventory and Cost Estimate Matrix  
Mill Building Across River**

MATERIAL DESCRIPTION	HOMC GENOUS AREA	NESHAP CATEGORY	BIBB ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
TAR PAPER DEBRIS, LOAD DOCK	51	I	2	1ST FLOOR SOUTH	UNK	POOR	51A	+	\$500
RED SHINGLE DEBRIS, LOAD DOCK	52	NA	2	1ST FLOOR SOUTH	NA	NA	52A	-	
THICK PLASTER ONE COAT	53	NA	2	WEST RM	NA	NA	53A,B,C	-	
THIN PLASTER HALF WALL	54	NA	2	WEST RM	NA	NA	54A,B,C	-	
VAPOR BARRIER PAPER	55	NA	2	THROUGHOUT	NA	NA	55A	-	
VAPOR BARRIER PAPER	55	NA	2	THROUGHOUT	NA	NA	55B	-	
INT LARGE WINDOW GLAZING	56	II	2	EAST RM	NA	NA	56A	+	\$300
INT LARGE WINDOW GLAZING	56	II	2	3RD FLOOR	1875 LF	POOR		+	\$9,375
INT LARGE WINDOW GLAZING	56	II	2	2ND FLOOR	NA	NA	56B	+	\$8,675
LARGE BLOCK WINDOWS W/TAR	57	NA	2	1ST FLOOR	NA	NA	57A	-	
LARGE BLOCK WINDOWS W/TAR	57	NA	2	2ND FLOOR	NA	NA	57B	-	
PLASTER ROUGH COAT	58	NA	2	2ND FLOOR	NA	NA	58A,B,C	-	
PLASTER SKIM COAT	58	NA	2	2ND FLOOR	NA	NA	58D,E,F	-	
1' X 1' CEILING TILE	59	NA	2	STORE RM 2ND FL	NA	NA	59A,B	-	
9" X 9" RED FLOOR TILE	60	I	2	STORE RM 2ND FL	200SF	POOR	60A,B	+	\$400
BLACK MASTIC AND TAR	61	NA	2	STORE RM 2ND FL	NA	NA	61A,B	-	
SHEETROCK	62	NA	2	REAR OFFICES 2ND FL	NA	NA	62A,B	-	
JOINT COMPOUND/ TAPE	63	NA	2	REAR OFFICES 2ND FL	NA	NA	63A,B	-	
WALL TILE GROUT	64	NA	2	2ND FL BATHROOM	NA	NA	64A,B	-	
BEIGE WALL TILE MASTIC	65	NA	2	2ND FL BATHROOM	NA	NA	65A,B	-	
1' X 1' CEILING TILE	66	NA	2	2ND FL BATHROOM	NA	NA	66A,B	-	
BATHROOM WALL PANEL	67	NA	2	2ND FL BATHROOM	NA	NA	67A,B	-	
CLOTH WRAP ON F.G PIPE	68	NA	2	2ND FLOOR	NA	NA	68A,B	-	
BLACK TAR ON F.G PIPE	69	NA	2	2ND FLOOR	NA	NA	69A,B	-	
LINELIUM ON COUNTER TOP	70	NA	2	STORE RM 2ND FL	NA	NA	70A,B	-	
BEIGE MASTIC ASSOC W/ 70A,B	71	NA	2	STORE RM 2ND FL	NA	NA	71A,B	-	
CLOTH WIRING	72	NA	2	STORE RM 2ND FL	NA	NA	72A	-	
CEILING BOARD	73	NA	2	3RD FLOOR	NA	NA	73A,B	-	
TRANSITE SHINGLE	74	II	2	EXTERIOR	600SF	POOR	74A,B	+	\$3,000
TAR PAPER UNDER SHINGLES	75	NA	2	EXTERIOR	NA	NA	75A,B	-	
BUILT UP TAR & FELT	76	NA	2	EXTERIOR			76A,B	-	
BLACK SHINGLE	77	I	2	EXTERIOR	20000SF	POOR	77A,B	+	\$20,000
SILVER TAR & PAPER	78	I	2	EXTERIOR	20000SF	POOR	78A,B	+	\$20,000
BLACK TAR & PAPER	79	I	2	EXTERIOR	20000SF	POOR	79A,B	+	\$20,000

**Materials Inventory and Cost Estimate Matrix  
Mill Building Across River**

MATERIAL DESCRIPTION	HOMOGENEOUS AREA	NESHAP CATEGORY	BRDG ID	LOCATION	QUANTITY (SF/LF/EA)	CONDITION	SAMPLE ID NO	RESULTS (P/A)	ESTIMATED REMOVAL COSTS
FLANGE GASKET MATERIAL	137	I	2	THROUGHOUT	43EA	NA	NA	ASSUME	\$4,300
VALVE PACKING	138	RACM	2	THROUGHOUT	29EA	NA	NA	ASSUME	\$1,450
TOTAL									\$154,680

**Materials Inventory Cost Estimate Matrix  
Mill Building**

MATERIAL DESCRIPTION	HOME GENOUS AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SQ/LE/EA)	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
T.S.I TAR WRAP	80	RACM	3	1ST FLOOR	350LF	POOR	80A,B	+	\$2,500
12" X 12" BEIGE FLOOR TILE	81	NA	3	1ST FLOOR	NA	NA	81A,B	-	
SHEETROCK	82	NA	3	1ST FLOOR	NA	NA	82A,B	-	
VAPOR BARRIER PAPER	83	NA	3	1ST FLOOR	NA	NA	83A	-	
VAPOR BARRIER PAPER	83	NA	3	2ND FLOOR	NA	NA	83B	-	
INTERIOR WINDOW GLAZING	84	NA	3	1ST FLOOR	NA	NA	84A	-	
INTERIOR WINDOW GLAZING	84	NA	3	2ND FLOOR	NA	NA	84B	-	
PAPER WRAP ON PIPE	85	NA	3	1ST FLOOR	NA	NA	85A	-	
PLASTER SKIM COAT	86	NA	3	1ST FLOOR	NA	NA	86A,B,C,D	-	
PLASTER SKIM COAT	86	NA	3	2ND FLOOR	NA	NA	86E,F,G	-	
PLASTER ROUGH COAT	87	NA	3	1ST FLOOR	NA	NA	87A,B,C,D	-	
PLASTER ROUGH COAT	87	NA	3	2ND FLOOR	NA	NA	87E,F,G	-	
TRANSITE SHINGLES	88	II	3	LOADING DOCK	150SF	GOOD	88A	+	\$750
TAR PAPER UNDER SHIGLES	89	NA	3	LOADING DOCK	NA	NA	89A,B	-	
WOVEN CLOTH ABOVE DOORS	90	NA	3	LOADING DOCK	NA	NA	90A,B	-	
TRANSITE ON HATCH DOOR	91	II	3	BASEMENT	8SF	GOOD	91A,B	+	\$40
T.S.I LAYERD PAPER DEBRIS	92	RACM	3	BASEMENT CRAWL SPACE	UNK	POOR	92A	+	\$2,500
T.S.I SOLID CORE DEBRIS	93	RACM	3	BASEMENT CRAWL SPACE	UNK	POOR	93A	+	\$2,500
THIN SHEETROCK	94	NA	3	LOADING DOCK	NA	NA	94A,B	-	
T.S.I LAYERD PAPER	95	RACM	3	2ND FLOOR	40LF	POOR	95A	+	\$800
GRAY SHINGLES	96	NA	3	EXTERIOR	NA	NA	96A,B	-	
OLD BLACK SHINGLES	97	NA	3	EXTERIOR	NA	NA	97A,B	-	
BUILT UP TAR & PAPER	98	NA	3	EXTERIOR	NA	NA	98A,B	-	
ROLLED ROOFING W/ TAR	99	I	3	EXTERIOR	10000	POOR	99A,B	+	\$40,000
ROLLED ROOFING	100	NA	3	EXTERIOR	NA	NA	100A,B	-	
TAR AND FELT PAPER	101	I	3	EXTERIOR	10000	POOR	101A,B	+	\$40,000
BUILT UP TAR & PAPER	102	NA	3	EXTERIOR	NA	NA	102A,B	-	
EXT WINDOW GLAZING	103	NA	3	EXTERIOR 1ST FL	NA	NA	103A	-	
EXT WINDOW GLAZING	103	NA	3	EXTERIOR 2ND FL	NA	NA	103B	-	
FLANGE GASKET MATERIAL	137	I	3	THROUGHOUT	63EA	NA	NA	ASSUME	\$6,300
VALVE PACKING	138	RACM	3	THROUGHOUT	31EA	NA	NA	ASSUME	\$1,550
<b>TOTAL</b>									<b>\$96,940</b>

**Materials Inventory Cost Estimate Matrix  
Various Exterior Buildings**

MATERIAL DESCRIPTION	HOMOGENEOUS AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/LF/EA)	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
<b>SHED</b>									
ROLLED ROOFING	104	NA	4	EXTERIOR SHED	NA	NA	104A,B	-	
TAR PAPER	105	NA	4	EXTERIOR SHED	NA	NA	105A,B	-	
<b>PUMP HOUSE</b>									
TOP LAYER BLACK SHINGLE	106	NA	5	PUMP HOUSE	NA	NA	106A,B	-	
BOTTOM LAYER BLACK SHINGLE	107	NA	5	PUMP HOUSE	NA	NA	107A,B	-	
FLANGE GASKET MATERIAL	137	I	5	PUMP HOUSE	3EA	NA	NA	ASSUME	\$300
VALVE PACKING	138	RACM	5	PUMP HOUSE	11EA	NA	NA	ASSUME	\$550
<b>METAL STORAGE BLDG</b>									
CLOTH WIRING	108	NA	6	METAL STORAGE BLDG	NA	NA	108A,B	-	
<b>OIL STORAGE BLDG</b>									
ROLLED ROOFING	109	NA	7	OIL STORAGE BLDG	NA	NA	109A,B	-	
<b>STORAGE BLDG</b>									
2ND LAYER ROOFING SHINGLE	110	NA	8	STORAGE BLDG	NA	NA	110A,B	-	
BOTTOM LAYER SHINGLE	111	NA	8	STORAGE BLDG	NA	NA	111A,B	-	
TRANSITE ROOFING	112	II	8	STORAGE BLDG	1000	POOR	112A	+	\$5,000
WALLBOARD COVERING WINDOWS	113	NA	8	STORAGE BLDG	NA	NA	113A,B	-	
INTERIOR WINDOW GLAZING	114	II	8	STORAGE BLDG	675LF	POOR	114A,B	+	\$3,375
SMALL INTERIOR WINDOW GLAZING	115	II	8	STORAGE BLDG	120LF	POOR	115A,B	+	\$600
OLD CLOTH ELECTRICAL WIRE	116	NA	8	STORAGE BLDG	NA	NA	116A,B	-	
T.S.I LAYERD PAPER	117	RACM	8	STORAGE BLDG	400LF	POOR	117A	+	\$8,000
T.S.I SOLID CORE	118	RACM	8	STORAGE BLDG	100LF	POOR	118A	+	\$2,000
FIRE HOSE	119	NA	8	STORAGE BLDG	NA	NA	119A,B	-	
BOTTOM LAYER TAR PAPER	120	NA	8	STORAGE BLDG	NA	NA	120A,B	-	
FLANGE GASKET MATERIAL	137	I	8	STORAGE BLDG	21EA	NA	NA	ASSUME	\$2,100
VALVE PACKING	138	RACM	8	STORAGE BLDG	9EA	NA	NA	ASSUME	\$450
<b>MILL BLDG BOILER ROOM</b>									
T.S.I SOLID CORE	121	RACM	9	BOILER RM	150LF	POOR	121A	+	\$3,750
TANK INSULATION BLOCK	122	RACM	9	BOILER RM (2 TANKS)	400 SF	POOR	122A	+	\$12,000
CEILING BOARD	123	RACM	9	BOILER RM	500SF	POOR	123A	+	\$5,000
FURNACE BRICK	124	NA	9	BOILER RM	NA	NA	124A,B	-	
ROOFING MATERIAL	125	NA	9	BOILER RM	NA	NA	125A,B	-	
FIRE HOSE	126	NA	9	BOILER RM	NA	NA	126A,B	-	
PLASTER ONE COAT	127	NA	9	BOILER RM	NA	NA	127A,B,C,D,E	-	



**Materials Inventory Cost Estimate Matrix**  
**Various Exterior Buildings**

MATERIAL DESCRIPTION	HOMOGENEOUS AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/LF/EA)	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
FLANGE GASKET MATERIAL	137	I	9	BOILER RM	37EA	NA	NA	ASSUME	\$3,700
VALVE PACKING	138	RACM	9	BOILER RM	23EA	NA	NA	ASSUME	\$1,150
<b>TURBINE BLDG</b>									
CEMENT ON SEAMS OF PIPE	128	NA	10	TURBINE BLDG	NA	NA	128A,B	-	
TRANSITE MATERIAL	129	NA	10	TURBINE BLDG	NA	NA	129A,B	-	
WINDOW GLAZING	130	NA	10	TURBINE BLDG	NA	NA	130A,B	-	
PLASTER ONE COAT	131	NA	10	TURBINE BLDG	NA	NA	131A,B	-	
FLANGE GASKET MATERIAL	137	I	10	TURBINE BLDG	6EA	NA	NA	ASSUME	\$600
VALVE PACKING	138	RACM	10	TURBINE BLDG	3EA	NA	NA	ASSUME	\$150
<b>WATER OUTLET AREA</b>									
ROLLED ROOFING	132	NA	11	WATER OUTLET AREA	NA	NA	132A	-	
WINDOW GLAZING	133	NA	11	WATER OUTLET AREA	NA	NA	133A	-	
BUILT UP ROOFING	134	I	11	WATER OUTLET AREA	30SF	POOR	134A	+	\$150
OUTLET FLAP	135	NA	11	WATER OUTLET AREA	NA	NA	135A	-	
TAR PAPER	136	I	11	WATER OUTLET AREA	200SF	POOR	136A	+	\$200
<b>TOTAL</b>									<b>\$49,075</b>

**Materials Inventory and Cost Estimate Matrix**  
**Debris Piles 1 and 2**

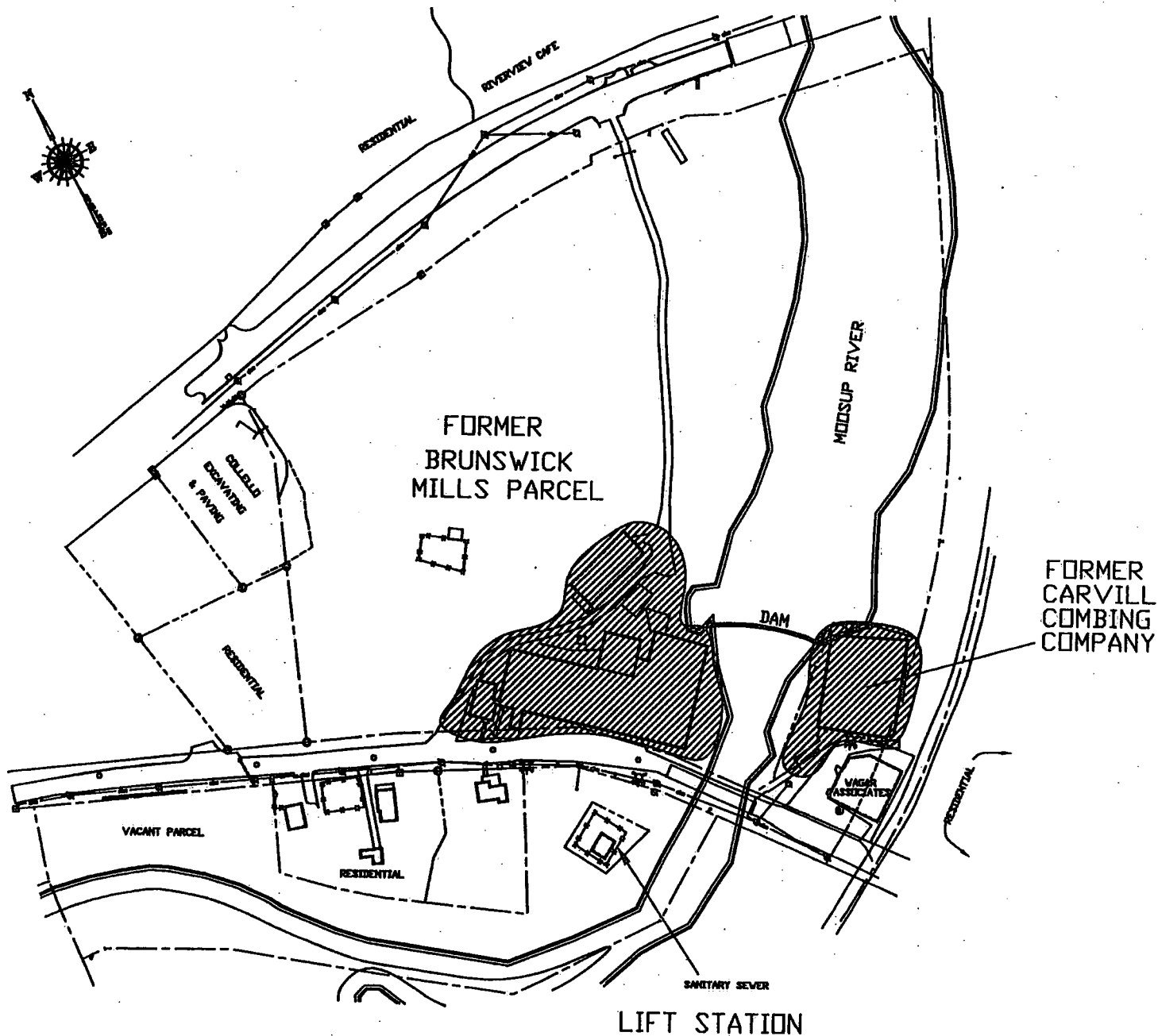
MATERIAL DESCRIPTION	HOMO-GENOUS AREA #	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
<b>DEBRIS PILE 1</b>									
BUILT-UP ROOFING	01	NA	12	THROUGHOUT	NA	NA	P-1-01	-	
SHINGLE AND TAR	02	NA	12	THROUGHOUT	NA	NA	P-1-02	-	
MUDDER ELBOW	03	RACM	12	SOUTHWEST	2 EA	NA	P-1-03	+	\$100
TILE AND PLASTER	04	NA	12	THROUGHOUT	NA	NA	P-1-04	-	
FLANGE GASKET MATERIAL	137	I	12	SOUTHEAST	8 EA	INTACT	ASSUMED	+	\$800
VALVE PACKING	138	RACM	12	SOUTHEAST	3 EA	INTACT	ASSUMED	+	\$150
								TOTAL	\$1,050
<b>DEBRIS PILE 2</b>									
TAR AND SHINGLES	01	NA	13	THROUGHOUT	NA	NA	P-2-01	-	
BUILT-UP ROOFING	02	I	13	THROUGHOUT	UNK	POOR	P-2-02	+	\$6,250
WALLBOARD	03	NA	13	THROUGHOUT	NA	NA	P-2-03	-	
TSI DEBRIS	NA	RACM	13	EAST SIDE	1 SF	DAMAGED	ASSUMED	+	\$100
								TOTAL	\$6,350

**FIGURE 1**  
**SITE PLAN AND**  
**STUDY AREA**

57-59 & 65  
 BRUNSWICK AVENUE  
 MOOSUP, CONNECTICUT

**LEGEND**

 - APPROXIMATE STUDY AREA



PROJECT NO.: 2872  
 FILE NAME: MOOSUP OLD VILLAGE  
 1 OF 1 SHEETS

SCALE: NONE  
 DATE: 10/17/01  
 DRAWN BY: PMR  
 CHECKED BY: RPM

REVISIONS

# FIGURE 2

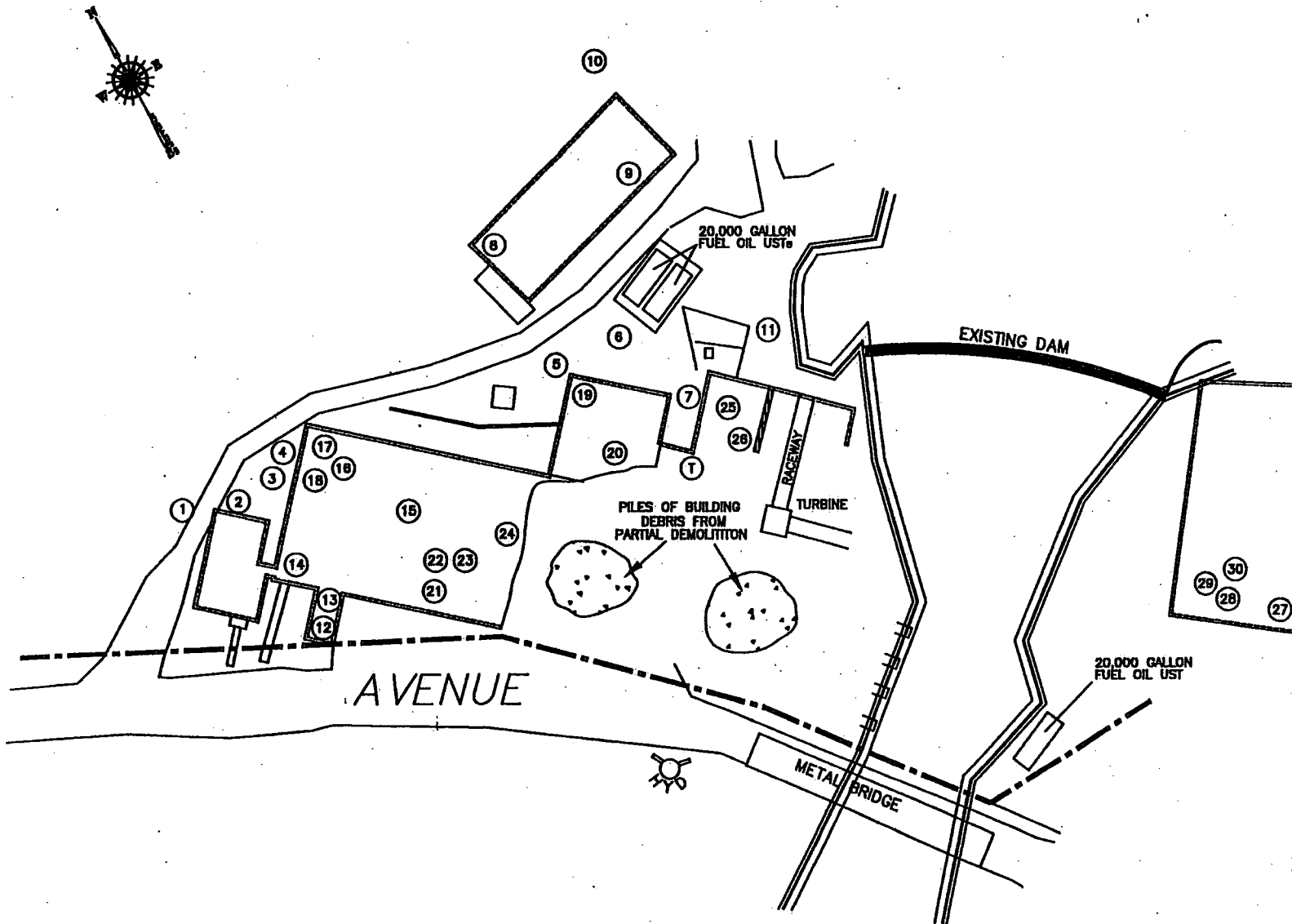
APPROXIMATE LOCATIONS OF  
DRUMS AND CONTAINERS

57-59 & 65  
BRUNSWICK AVENUE  
MOOSUP, CONNECTICUT

## LEGEND

- ⑩ - DRUM LOCATION
- Ⓣ - TRANSFORMER LOCATION

NOTE: LOCATIONS 27, 28, 29, AND 30  
ARE IN THE MILL BUILDING EAST  
OF THE RIVER.



PROJECT NO.: 2672.

FILE NAME: MOOSUP OLD VILLAGE MILL

1 OF 1 SHEETS

SCALE: NONE  
DATE: 10/17/01  
DRAWN BY: PMR  
CHECKED BY: RPM

### REVISIONS

NO.	DESCRIPTION

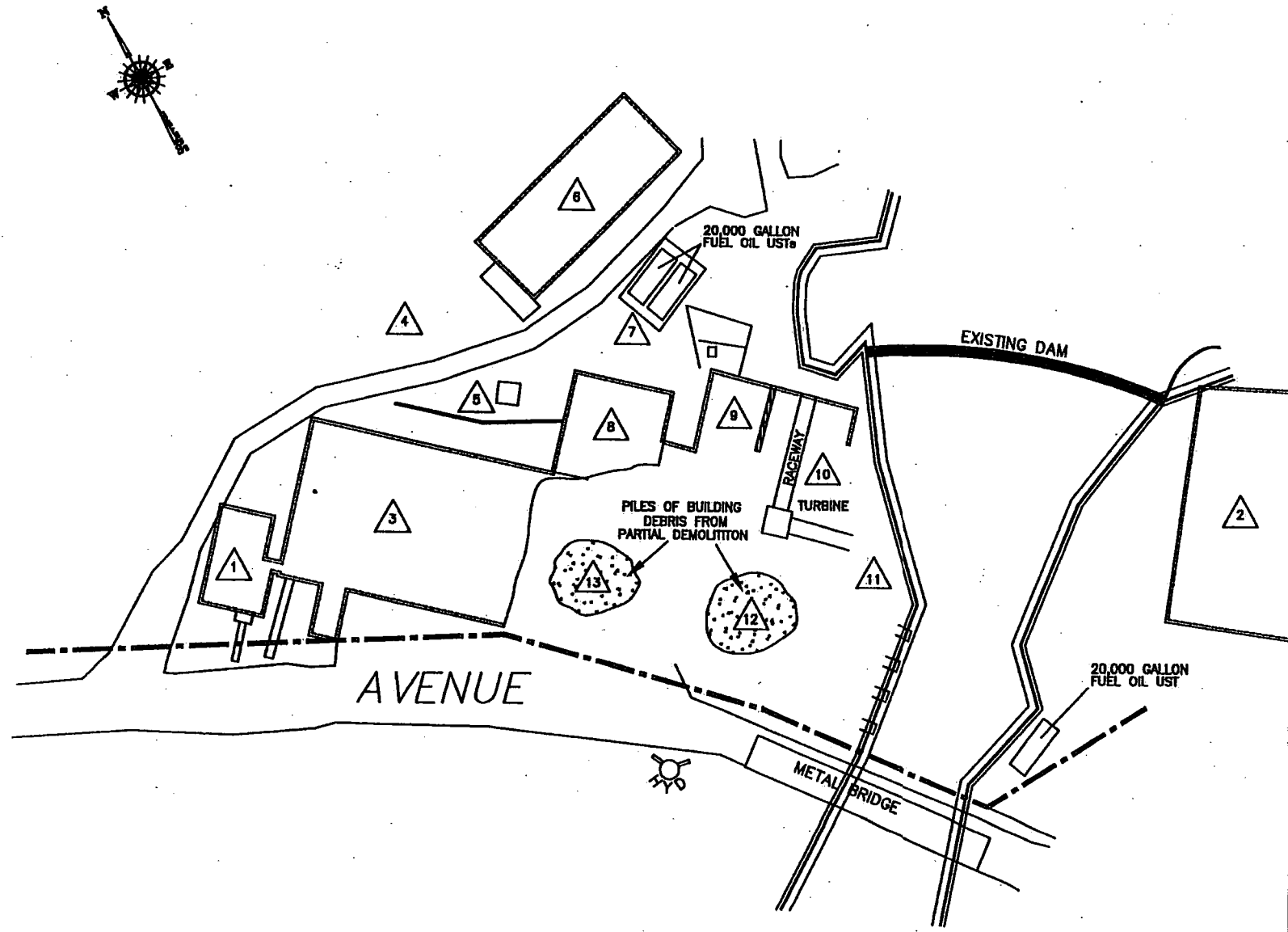
**FIGURE 3**  
**ASBESTOS SURVEY BUILDING**  
**IDENTIFICATION NUMBERS**

57-59 & 65  
 BRUNSWICK AVENUE  
 MOOSUP, CONNECTICUT

**LEGEND**

△ = ASBESTOS SURVEY BUILDING  
 ID NUMBER

NOTE: BUILDING NUMBER 2 IS THE MILL  
 BUILDING LOCATED EAST OF THE RIVER



PROJECT NO.: 2872

FILE NAME: MOOSUP OLD VILLAGE MILL

1 OF 1 SHEETS

		REVISIONS
SCALE:	NONE	
DATE:	10/17/01	
DRAWN BY:	PNR	
CHECKED BY:	RPM	

**ASBESTOS INVESTIGATIVE  
SURVEY REPORT**

**Former Cadle Company  
Brunswick Avenue  
Moosup, Connecticut**

**10/09/2001**

*Prepared for:*

**Mr. Robert McCarthy  
Aaron Environmental, Inc.  
937 South Main Street  
Plantsville, CT 06479**

*Prepared by:*

**Forbes & Wheeler, Inc.  
10 Ingraham Terrace  
P.O. Box 30467  
Springfield, MA 01103**

**Forbes & Wheeler, Inc. Job No.: AARON-00-J001**

## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>ES - 1</b>
<b>1.00 Introduction .....</b>	<b>1</b>
1.01 Purpose & Scope .....	1
1.02 Special Terms and Conditions .....	1
1.03 Description of Building .....	1
<b>2.00 Asbestos Investigative Survey .....</b>	<b>2</b>
2.01 General Summary .....	4
2.02 Interviews Conducted .....	4
2.03 Asbestos and Other Environmental Reports .....	4
2.04 Building Records .....	4
2.05 Limitations and Exceptions of Survey .....	4
2.06 Survey Methodology .....	5
2.07 Key Definitions .....	6
<b>3.00 Results from Building Inspection and Sampling .....</b>	<b>7</b>
<b>4.00 Conclusions and Recommendations .....</b>	<b>7</b>
4.01 Cost Estimates .....	7
4.02 Recommendations & Regulatory Requirements .....	8
<b>5.00 Signature of Consultants .....</b>	<b>10</b>
<b>6.00 Qualifications of Consultants and Laboratories .....</b>	<b>11</b>
<b><u>Appendices</u></b>	
Appendix A	Materials Inventory and Cost Estimate Matrix; Analytical Reports
Appendix B	Forbes & Wheeler, Inc. Lab and Staff Accreditation Certificates
Appendix C	Field Mark-up Drawing

## **EXECUTIVE SUMMARY**

As part of the Former Cadle Company Project, Forbes & Wheeler, Inc. was retained by Aaron Environmental, Inc. to inspect eleven (11) structures located on Brunswick Avenue Moosup, CT for the presence of Asbestos-Containing Materials (ACM). Forbes & Wheeler, Inc. performed the detailed inspection during the period of September 4-10, 2001.

The scope of the asbestos survey included both friable and non-friable suspect ACM (friable materials can be reduced to powder under ordinary hand pressure) that would be disturbed by the planned project. Please refer to Appendix A for a complete inventory of all suspect materials sampled and materials identified as containing regulated amounts of asbestos.

Please note that certain types sampling restrictions were imposed on Forbes & Wheeler, Inc. during the survey as many areas were structurally unsafe or not accessible. The identification of building materials and components suspect of containing asbestos was limited to visible and accessible materials.

This document and all its contents are considered proprietary information, and have been prepared for the exclusive use of Aaron Environmental, Inc. and employees of Forbes & Wheeler, Inc. It has been developed under private expense, and the contents are not to be disclosed to third parties without prior written consent of Forbes & Wheeler, Inc. and Aaron Environmental, Inc.



## 1.00 INTRODUCTION

### 1.01 *Purpose & Scope*

Forbes & Wheeler, Inc. was retained by Aaron Environmental, Inc. to conduct an asbestos investigative survey of eleven (11) structures of the former Cadle Company, located on Brunswick Avenue Moosup, Connecticut. The purpose of the asbestos survey was to identify, locate, and quantify all accessible building materials suspect of containing asbestos for the proper cleanup, removal and disposal.

### 1.02. *Special Terms and Conditions*

As required by the U.S. Occupational Safety & Health Administration (OSHA), the U.S. Environmental Protection Agency (EPA), and the State of Connecticut Department of Public Health (DPH), an EPA AHERA-accredited and DPH-certified asbestos inspector (see Appendix B) performed the material sampling. Destructive sampling was done in a manner to identify building materials.

### 1.03 *Description of Buildings*

#### Two story House attached to mill building

A two-story wood building that is partially attached to the main mill building. This unit consisted of smaller separate offices located on the first and second floors in addition to a unisex bathroom on the first floor and separate men's and women's bathrooms on the second floor. All structural beam joists were constructed of wood products. Heating system was branched off from the main mill building, thermal insulation with mudded elbows connected to individual heating units suspended from the ceiling. Domestic hot and cold water were non insulated and ran through walls and floor chases. Wall and ceiling systems consisted of a mixture of two coat plaster (original) and sheetrock/joint compound (newer). Two different types of 1' X 1" ceiling tile were observed. The original floor surface is wood tongue-and-groove flooring with a vapor barrier paper beneath. Several type of different floor coverings were utilized throughout the structure, including carpet, various 12" X 12" floor tiles, and various types of 9" X9" floor tiles. Windows were primarily original double-hung windows with exterior glazing. The exterior consisted of both transite shingles and wood clapboard shingles, and both materials had a vapor barrier paper under outer surfaces. No boiler room or hot water tank was observed, and no access was available to the exterior roof.

#### Three story brick building (Across river)

This three-story structure perimeter is constructed of brick and mortar. The first floor was divided into two sections. The west side was open with a mixture of wood and concrete flooring. Structural wood beams and steel columns supported the load bearing beams. A loading dock was located on the southwest corner with piles of debris with various roofing, siding and other various equipment. The eastside was divided with several work areas including a hot water tank room. The boiler room was located in the southwest corner and consisted of boiler, tank insulation, thermal insulation piping, and breeching. This area is in extremely poor shape due to weathering and moisture. The entire first floor has thermal pipe insulation throughout. Some of this material has dislodged from the pipes above and scattered along the floor surfaces.

Heating is wall-mounted radiators throughout all three floors, including several small ceiling mounted space heaters. Windows consisted of three different types large steel casement widows with interior and exterior glazing. Large block glass windows with cementious material between individual blocks and small double hung wood windows.

The second floor consisted a large open portion for work operations. In the northwest corner of the building, smaller subdivided offices were located. They consisted of a mixture of plaster and gypsum with joint compound walls. A storeroom along the west side had floor tile and ceiling tile. Two bathrooms were located on the second floor. Ceramic wall tiles and ceramic floor tile with associated grouts comprised interiors, in addition with ceiling tile. The third floor was not accessible due to unsafe floor conditions. Thermal insulation was observed from doorway. No other materials were visible from doorway. The exterior consisted of mostly brick and mortar, and transite shingles with tarpaper underlayment was observed on the southside. The roof system was not accessible; however roofing debris was located around the perimeter mostly on the eastside near the loading dock and northside. An observation from the embankment on the northeast corner of the building confirmed that similar material is present on the roofing system.

#### Three story mill building and various attached buildings

This three-story structure is partially demolished due to a recent fire. Exterior perimeter walls are rock and mortar. Interior walls are a two-coat plaster system thought the building, limited amounts of gypsum board were observed. The structural beams are a mixture of wood and steel supported by vertical columns. The main floor of the first and second area is a tongue-and-groove hardwood floor, with barrier paper underneath. The heating system is combination of wall mounted radiator systems and, limited ceiling mounted space heaters. The main boiler located in the northeast side of the building produced all steam or hot water for heating and municipal usage. Various types pipe of insulation were observed throughout the entire building, these included fiberglass, thermal tar layered, solid core, and layered paper. Most insulation on the second floor was dislodged and scattered along the floor surface. Large steel casement windows with interior and exterior glazing are throughout the structure. The partial basement consisted of a non-insulated hot water tank with various service pumps and equipment and a non-accessible crawl space. The crawl space contained portions of loose pipe insulation debris on a dirt floor surface observed through a hatch doorway. The roof was not accessible. However, on the second floor middle and south portions, the roof had collapsed and samples were taken in that area only.

A loading dock was located on the south side of the building, and is constructed of cement block walls and a cement floor with no windows. A single space heater was observed with no pipe insulation. Transite shingles with a tarpaper underlayment was observed on the eastside. A stack of gypsum board was stacked along the south wall. No other material was observed.

A storage building is located on the north side of the building that is also constructed of rock and mortar. The interior structure is wood beams and columns; walls consisted of both wood and limited two-coat plaster system. A second floor loft existed but was not accessible. A small furnace/boiler existed of unknown manufacture or use. No thermal insulation was observed on the exhaust breeching. A fire door is located on the east door toward the boiler room. The heating system is wall-mounted radiator and ceiling mounted space heaters. Two types of pipe insulation were observed: solid core and layered paper. This insulation was loose.

dislodged and scattered throughout the structure. Three types of windows existed: large steel casement with interior and exterior glazing, double hung wood windows and block glass with cementitious mortar. The roof was not accessible or structurally safe, and all samples were collected from ground level or from north/rear of the building. The roofing system is composed of a top layer transite shingle, and three layers of asphalt shingles with a tar-paper bottom.

Boiler room located on the east /northeast parcel.

This structure was originally attached to the mill building prior to the fire and partial demolition. This is structurally unsafe for a thorough inspection, and was thus limited to accessible areas. The main building is constructed with rock, brick and mortar. A one-coat plaster system is present. Large steel casement widows exist throughout the building, and no windows remain intact. The boiler manufacture is Babcock and Wilcox cross drum boiler. It is encased with brick and mortar. The boiler was not accessible and additional material (packing, gaskets, and additional material maybe located within the brick outer surface.) Three types of pipe insulation exist in the boiler room: solid core insulation, layered paper insulation, and fiberglass. Thermal block tank insulation exists on two separate tanks located in the boiler room. One tank is located to the east of the boiler and the other is located on the upper portion behind the boiler. Fire proofing ceiling debris, mudded elbows, thermal block insulation, and thermal pipe insulation are scattered throughout the entire structure. No roofing material remains intact and maybe scattered with other debris.

The turbine building is locate on the far east side of the building and was originally attached to the mill building structure. This structure is also composed of rock, brick and mortar. A one-coat plaster system is throughout the structure. Large steel casement widows are located on the north and east sides. No thermal pipe insulation was visible from the surface. A radiator on the north side of the structure provided heating. Under the floor surface runs large non-insulated pipes to feed water to the turbine. The turbine was not inspected for asbestos containing materials.

#### Water outlet area

This building no longer exists except for some partial walls of brick, mortar and wood. Two wooden double hung windows remain on the east side. This building was used to release water from the turbine back to the river. Several types of asphalt roofing materials were observed in the surrounding area next to the river. These included rolled roofing, built up roofing and tar, and asphalt shingles.

#### Other various buildings

Shed - Located on the north access road behind the mill building. This is a small wooden structure that has two layers of asphalt siding, rolled roofing material, and tarpaper.

Pump House - Located on the north access road behind the mill building. This is a small structure with formed concrete walls. A wooden roof is intact with two layers of asphalt shingles. A water tank is located within the structure no insulation observed.

Corrugated metal storage building - Located to the west of the north access road behind the mill building. This is a steel beam structure with corrugated sheet metal siding and roof. Two wall mounted electric space heater are located within this structure. No other suspect materials exist.

Oil storage building - Located to the east of the north access road behind the mill building. This is concrete and cement block structure that contains two 20,000-gallon oil storage tanks. The top portion contained several wooden beams with rolled asphalt roofing.

## 2.00 ASBESTOS INVESTIGATIVE SURVEY

### 2.01 *General Summary*

The following asbestos survey section presents the survey results, methods, and conclusions based on survey findings. Detailed information relative to ACM descriptions, locations, and quantities are detailed in the appendices to this report.

### 2.02 *Interviews Conducted*

Individuals interviewed to gather building information include the following:

Rob McCarthy, Aaron Environmental, Inc.

Mr. McCarthy assisted in the coordination of the field survey effort in order to ensure that all areas were made accessible.

### 2.03 *Asbestos and Other Environmental Reports*

No other environmental reports were made available to Forbes & Wheeler, Inc. for review.

### 2.04 *Building Records*

A site plan drawing was provided by Aaron Environmental for field mark-up and building identification purposes.

### 2.05 *Limitations and Exceptions of Survey*

The identification of building materials and components suspect of containing asbestos was limited to visible and accessible materials. Many areas were deemed structurally unsafe or not accessible these areas. These areas included:

- **Two story house attached to mill building**

Room 1-06

Crawl space under southeast portion

Roof

- **Mill building across river**
  - West room west side and north side
  - Crawl space under the northeast portion
  - Second floor east, center, west, northwest portions
  - Entire third floor
  - Roof
- **Mill building**
  - Basement crawl space throughout
  - East side first floor
  - Second floor east and west portions
  - Roof
- **Storage building**
  - Loft
  - Roof
- **Boiler Room**
  - Interior boiler
- **Turbine Room**
  - Below floor surface

## 2.06 Survey Methodology

The EPA "Asbestos NESHAP Clarification Regarding Analysis of Multi-layered Systems" (40 CFR Part 61, [FRL-4821-7] regulations, issued January 5, 1994) states that when joint compound and/or tape is applied to wallboard it becomes an integral part of the wallboard and in effect becomes one material forming a wall system. Therefore, EPA requires that where a demolition or renovation impacts such a wall system, the results of the analysis of the separate components (joint compound, tape and wallboard) be composited for a single analytical result for the wall system. Therefore, in accordance with the requirements of the NESHAP regulations, Forbes & Wheeler, Inc. collected wallboard and associated joint compound for composite analysis where asbestos was detected in one of the components. Sampling and analysis procedures specifically followed EPA's Asbestos Sampling Bulletin, "Supplementary Guidance on Bulk Sample Collection and Analysis" (September 30, 1994) which details improved methods and specific procedures for sampling and analysis of multi-layered materials.

OSHA does not view wallboard and joint compound as a composite material and does not accept composite bulk sample analysis under the OSHA Asbestos Construction Standard. Therefore, in order to comply with both the EPA's compositing requirements and OSHA's requirement for individual component analysis, Forbes & Wheeler, Inc. collected each material separately for laboratory analysis. A composite result is reported for the wall system. A wall system containing asbestos in one of its components will have an additional comment stating which component contains the asbestos, as well as the quantity of asbestos in that component. On this project, individual sheetrock and joint compound component materials were analyzed *positive* for asbestos content on the 1<sup>st</sup> floor of the 2-story house. All other individual sheetrock/joint compound materials tested *negative* for asbestos content.

Initially, one sample of each homogeneous material was submitted to the laboratory for analysis. If this first sample result was found to contain asbestos, the remaining samples were not submitted. If this first sample result was negative, then the remaining samples were submitted for analysis. In this manner, Forbes & Wheeler, Inc.'s protocol minimized analytical costs without compromising the integrity of the survey findings.

Samples were collected using a wet technique to prevent airborne fiber release. Each suspect material was sampled using a knife to cut through its entire thickness to ensure that a complete cross section was obtained. Samples were then placed in appropriately labeled containers that were sealed and submitted to an independent testing laboratory (EMSL Analytical, Inc.) for petrography analysis using the EPA-endorsed Polarized Light Microscopy with Dispersion Staining (PLM/DS) method. The percentage of asbestos present in each sample was determined by the visual area estimation technique.

### 2.07 Key Definitions

The National Emissions Standards for Hazardous Air Pollutants (NESHAPS, 40 CFR Part 61, 11/20/90) of the U.S. Environmental Protection Agency classifies ACM according to the following three categories:

**Regulated Asbestos-Containing Material (RACM)** means: (a) friable ACM, (b) Category I Nonfriable ACM that has become friable, (c) Category I Nonfriable ACM that will be or has been subjected to sanding, cutting, or abrading, or (d) Category II Nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition operations (including asbestos removal activities). If any these materials occur in a building, they must first be removed by a licensed asbestos abatement contractor prior to building demolition. EPA's exception to the requirement for removing ACM prior to demolition applies to buildings that are structurally unsound and in danger of imminent collapse as documented and signed by a local building official.

**Category I Nonfriable ACM** means: asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one (1) percent asbestos. These materials need not be removed prior to building demolition as long as these materials are not subjected to sanding, cutting, or abrading, or otherwise rendered friable during demolition activities.

*Category II Nonfriable ACM* means: any material, excluding Category I Nonfriable ACM, containing more than one (1) percent asbestos. These materials need not be removed prior to building demolition as long as they do not become crumbled, pulverized, or reduced to powder by the forces acting on the materials in the course of demolition operations.

*Friable* asbestos material means: any material containing more than one (1) percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

### 3.0 RESULTS FROM BUILDING INSPECTION AND SAMPLING

A total of 143 homogenous applications of suspect ACM were identified. A total of 277 samples were collected and submitted for laboratory analysis. Fire doors were not sampled but should be assumed to contain asbestos. Please refer to Appendix A for analytical results and locations of all materials sampled.

The following materials were observed during the survey and were determined not to be suspect as containing asbestos in the judgment of the certified asbestos inspector, and thus were not sampled:

- Concrete Flooring
- Exterior Brick
- Exterior Mortar
- Exterior Rock Foundation
- Wood/Flooring/Partitions/Doors
- Glass
- Steel/ Beams/ Equipment/Columns
- Fiberglass Pipe Insulation
- Rolled Fiberglass Insulation
- Vinyl Light Wiring

### 4.00 CONCLUSIONS AND RECOMMENDATIONS

Forbes & Wheeler, Inc. was retained by Aaron Environmental Inc. to inspect the accessible areas at the Former Cadle Company located on Brunswick Avenue Moosup, CT for the presence of Asbestos-Containing Materials (ACM). Forbes & Wheeler, Inc. performed the detailed inspection during the period of September 4-10, 2001.

The scope of the asbestos survey included both friable and non-friable suspect ACM (friable materials can be reduced to powder under ordinary hand pressure) that would be disturbed by the planned project. Please refer to Appendix A for a complete inventory of all suspect materials sampled and materials identified as containing regulated amounts of asbestos.

#### 4.01 Cost Estimates

The estimated cost to remove identified ACM throughout the site is approximately \$374,000. This estimate depends on design alternates, and whether any work practice waivers can be obtained during the remediation design phase.

#### 4.02 Recommendations & Regulatory Requirements

In accordance with EPA NESHAPS regulations (40 CFR Part 61), building owners must remove all ACM from a facility (or area of a facility) before any activity begins that would break up, dislodge, or similarly disturb the ACM.

Also, in accordance with the State of Connecticut Department of Public Health, Public Health Code 2000, Environmental Health regulations (19-13-B2, Abatement of Nuisance), should the local director of health find the existence of a nuisance, the director is authorized to issue an order for abatement of the nuisance. With respect to asbestos, it is Forbes & Wheeler's interpretation that friable materials that are damaged and accessible to the public or building occupants may constitute a nuisance, thus requiring abatement.

##### *Debris Pile No. 1*

Asbestos-containing fittings insulation, flange gaskets, and valve packing were identified on the top layer of the pile and located on the HVAC ductwork and pump on the southern portion of the pile.

##### *Debris Pile No. 2*

Asbestos-containing roofing materials were identified on the top layer of the pile and scattered throughout the pile. Thermal systems insulation debris appears to be located on the southwest portion of the pile.

Please note that materials identified on the debris piles represent materials that were visibly observed on the surface only. Should any additional materials suspect of containing asbestos be discovered beneath the surface of the piles during construction activities, such materials must either be assumed and handled as asbestos, or evaluated by a certified Asbestos Inspector prior to any further construction activities that would disturb such materials.

##### *Materials Containing Less Than 1% Asbestos and OSHA Regulations*

The shipyard employment standard for asbestos, 29 CFR 1915.1001; the General Industry standard for asbestos, 29 CFR 1910.1001; and 29 CFR 1926.1101 are the only OSHA standards for regulating the asbestos health hazard presented by material containing <1% asbestos. The Hazard Communication Standard, 29 CFR 1910.1200, does not apply to material containing <1% asbestos.

Many times during building surveys, materials are identified as containing <1% asbestos, or "trace." These materials are commonly defined as "non-ACM" by the consulting firm and therefore allowed to remain during demolition. The problem with this common practice, however, may possibly lead to violations and liability problems. It is therefore important not to dismiss materials noted with trace amounts on the laboratory report. At a minimum, it should be made clear to demolition contractors that the building contains materials with trace amounts of asbestos in order for them to properly manage these materials.



The following materials contain less than 1% asbestos:

- Canvas Paper Wrap (Mill Bldg across River, 1<sup>st</sup> floor, west room)
- Small Electrical Cloth Wiring (Mill Bldg across River, 1<sup>st</sup> floor, west room)
- Electrical Cloth Wiring (Mill Bldg across River, 2<sup>nd</sup> floor store room)
- Electrical Cloth Wiring (Mill Bldg, Storage Room No. 2, Material No. 116)
- Fire Hose (Mill Bldg boiler room)

If the demolition operation involves material containing <1% asbestos, the work is not a designated class of asbestos work. Therefore, only 29 CFR 1926.1101(g)(1)(ii) and (iii), as well as those recordkeeping requirements under 29 CFR 1926.1101(n) that are associated with the negative exposure assessment, apply so long as neither asbestos permissible exposure limit (PEL) is exceeded or might be exceeded. 29 CFR 1926.1101(g)(1)(ii) requires:

"Wet methods, or wetting agents, to control employee exposures during asbestos handling, mixing, removal, cutting, application, and cleanup, except where employers demonstrate that the use of wet methods is infeasible due to for example, the creation of electrical hazards, equipment malfunction, and, in roofing, except as provide in paragraph (g)(8)(ii) of this section;"

Also please note that 29 CFR 1926.1101(g)(1)(iii) requires:

"Prompt clean-up and disposal of wastes and debris contaminated with asbestos in leak-tight containers except in roofing operations, where the procedures specified in paragraph (g)(8)(ii) of this section apply."

On the other hand, if at least one of the asbestos PELs is exceeded or might be exceeded, then all the requirements that are not strictly reserved as work practice requirements for Class I, II, III, or IV asbestos work apply or might apply. An exception would be if there were not frequent enough exposures above the asbestos PELs to activate a specific requirement. For example, an employer is not required to make a medical surveillance program available to an employee who is not engaged in Class I, II, or III work or exposed at or above a permissible exposure limit for a combined total of 30 or more days per year.

An example of the many requirements that apply when either one of the asbestos PELs is exceeded is 29 CFR 1926.1101(j)(4) which states, "The employer shall ensure that employees do not smoke in work areas where they are occupationally exposed to asbestos because of activities in that work area." This requirement applies wherever the employer must establish an asbestos-associated regulated area. Such a regulated area must be established where Class I, II, or III asbestos work is done or where at least one of the asbestos PELs is exceeded.

In order to avoid the need to comply with the elements of the OSHA asbestos construction standard that are applicable when either asbestos PEL is exceeded, the contractor conducting the demolition project must produce an initial negative exposure assessment for his/her employees.

Note that 29 CFR 1926.1101(k) sets out the responsibilities of employers for providing employees information on the presence of asbestos. The requirements at 29 CFR 1926.1101(k)(3) are not applicable to employees doing demolition work involving material containing <1% asbestos because the scope of the requirements is limited to ACM and PACM. However, if the employee asbestos exposure levels exceed one or both of the PELs, the employees will be informed of the presence of asbestos because the employer must establish a regulated area and implement procedures that comply with 29 CFR 1926.1101(e).

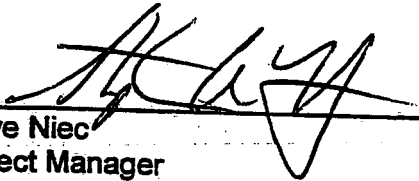
***In accordance with the OSHA regulations (29 CFR Part 1926.1101 and 1910.1001), all potential contractors bidding on work must first be informed of the results of this survey. In addition, notification regarding the presence of the ACM must be provided to all employees and tenants who occupy an area containing ACM.***

#### 5.00 SIGNATURE OF CONSULTANTS

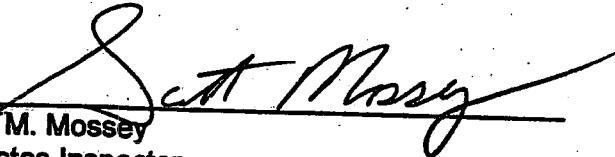
This report has been prepared for the exclusive use of Westfield Design & Construction. Photocopying of this document by parties other than those designated by Westfield Design & Construction or use of this document for purposes other than it is intended, is prohibited.

Respectfully submitted this 11<sup>th</sup> day of October 2001.

FORBES & WHEELER, INC.



Steve Niec  
Project Manager



Scott M. Mossey  
Asbestos Inspector

## **6.00 QUALIFICATIONS OF CONSULTANTS AND LABORATORIES**

The pre-renovation/ demolition survey was conducted during the period of September 4-10, 2001 by Scott M. Mossey licensed by the State of Connecticut Department of Public Health (license number 000371). Please refer to Appendix B. (Forbes & Wheeler, Inc. Lab and Staff Accreditation Certificates) for evidence of the required training and certification credentials.

Bulk samples collected during the inspection were analyzed by EMSL Analytical. EMSL is fully accredited for bulk sample analysis under the National Voluntary Laboratory Accreditation Program (NVLAP) administered by the National Institute of Standards and Technology (NIST). Copies of the lab's NIST (NVLAP) accreditation certificates are included herein. The lab is also licensed by the Connecticut Department of Public Health. A copy of the Laboratory Services accreditation certificates can be found in Appendix B. All bulk samples were analyzed for asbestos content using EPA Method 600/R-93/116.

Our laboratory's quality assurance and control program was developed in strict compliance with NIST/NVLAP requirements and involves the following key components: 1) use of established or standard sampling and analytical methodologies; 2) continuous monitoring of the operational performance of the laboratory; and 3) periodic evaluation of the performance and analytical variability of each laboratory analyst.

The laboratory also sends approximately one percent of its samples to other independent accredited laboratories as part of an inter-laboratory quality assurance program. The comparative data generated by this procedure is used to assess overall program quality objectives.

All samples are carefully handled and stored as to assure their integrity. Bulk samples are routinely retained for a period of 30 days after results are reported to allow for any required analytical follow-up and/or reanalysis. If you wish to retain the bulk samples, please make a written request to Forbes & Wheeler within ten (10) days from the date you received this report.

## **Appendix A**

### **Materials Inventory and Cost Estimate Matrix; Analytical Reports**

**Materials Inventory Cost Estimate Matrix**  
**Mill Building/2-Story House**

MATERIAL DESCRIPTION	FOHC GENOUS ARE.	NESHAP CATEGOR.	EQC ID.	LOCATION	QUANTITY (S/L/EA)	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
PLASTER ROUGH COAT	1	NA	1	THROUGHOUT	NA	NA			
PLASTER SKIM COAT	2	NA	1	THROUGHOUT	NA	NA	01A,B,C,D,E	-	\$0
THERMAL SYSTEM INSULATION	3	RACM	1	THROUGHOUT	NA	NA	02A,B,C,D,E	-	
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-01	20LF	POOR	02A	+	\$500
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-02	28LF	POOR		+	\$625
THERMAL SYSTEM INSULATION	3	RACM	1	RM1-04	40LF	POOR		+	\$1,000
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-03	15LF	POOR		+	\$375
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-05	16LF	POOR		+	\$375
THERMAL SYSTEM INSULATION	3	RACM	1	RM2-06	1LF	POOR		+	\$25
T.S.I MUDDED ELBOW	4	RACM	1	RM1-01	2EA	POOR	03A	+	\$100
T.S.I MUDDED ELBOW	4	RACM	1	RM1-04	6EA	POOR		+	\$300
T.S.I MUDDED ELBOW	4	RACM	1	RM2-06	1EA	POOR		+	\$50
SHEETROCK	5	NA	1	THROUGHOUT	NA	NA			
JOINT COMPOUND & TAPE	6	RACM	1	RM1-02	400SF	GOOD	05A,B	-	
JOINT COMPOUND & TAPE	6	RACM	1	RM1-04	800SF	GOOD	06A	+	\$2,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-04	800SF	GOOD		+	\$4,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-05	400SF	GOOD		+	\$2,000
JOINT COMPOUND & TAPE	6	RACM	1	RM1-07	1100SF	GOOD		+	\$5,500
JOINT COMPOUND & TAPE	6	RACM	1	S-01	300SF	GOOD		+	\$1,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-02	500SF	GOOD		+	\$2,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-04	500 SF	GOOD	06B	+	\$2,500
JOINT COMPOUND & TAPE	6	RACM	1	RM2-05	400 SF	GOOD		+	\$2,000
12" X 12" RED FLOOR TILE	7	I	1	RM1-01	25SF	POOR	07A,B	+	\$50
BEIGE MASTIC ASSOC W/07A,B	8	NA	1	RM1-01	NA	NA	08A,B	-	
BROWN GLUE ON FIBERGLASS WRAP	9	NA	1	RM1-01	NA	NA	09A	-	
BLACK VAPOR BARRIER PAPER	10	NA	1	THROUGHOUT 1ST FLOOR	NA	NA	10A,B	-	
BLACK VAPOR BARRIER PAPER	10	NA	1	THROUGHOUT 2ND FLOOR	NA	NA		-	
9" X 9" RED FLOOR TILE	11	I	1	RM1-02	200SF	POOR	11A,B	+	\$400
BLACK MASTIC & TAR PAPER	12	NA	1	RM1-02	NA	NA	12A	-	
BEIGE WALL TILE MASTIC	13	NA	1	RM1-03	NA	NA	13A,B	-	
THICK CLOTH WIRING	14	NA	1	RM1-03	NA	NA	14A	-	
THIN CLOTH WIRING	15	NA	1	RM1-03	NA	NA	15A	-	
BROWN FLOOR TILE	16	I	1	RM1-03	100SF	POOR	16A	+	\$300
BROWN FLOOR TILE	16	I	1	RM1-04	500SF	POOR	16B	+	\$1,500
BROWN FLOOR TILE	16	I	1	RM1-05	120SF	POOR		+	\$360
BROWN FLOOR TILE	16	I	1	RM1-07	600SF	POOR		+	\$2,400
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-03	NA	NA	17A	-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-04	NA	NA	17B	-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-05	NA	NA		-	
BLACK MASTIC & TAR PAPER	17	NA	1	RM1-07	NA	NA		-	
BEIGE CARPET MASTIC	18	NA	1	RM1-04	NA	NA	18A	-	

**Materials Inventory and Cost Estimate Matrix  
Mill Building/2-Story House**

ITEM DESCRIPTION	GENUS AREA	NESHAP CATEGORY	GENUS ID	LOCATION	QUANTITY (SHEETS)	CONDITION	SAMPLE ID NO.	RESULTS (#)	ESTIMATED REMOVAL COSTS
BEIGE CARPET MASTIC	18	NA	1						
12" X 12" PARKAY FLOOR TILE	19	NA	1	RM1-05	NA	NA	18B	-	
BROWN WALL PANEL MASTIC	20	II	1	RM1-07	NA	NA	19A,B	-	
BROWN STAIR TREAD	21	NA	1	S-01	300SF	GOOD	20A,B	+	\$1,500
12" X 12" BEIGE FLOOR TILE	22	I	1	S-01	NA	NA	21A,B	-	
12" X 12" BEIGE FLOOR TILE	22	I	1	S-01	125SF	POOR	22A	+	\$250
12" X 12" BEIGE FLOOR TILE	22	I	1	RM2-03	200SF	POOR		+	\$400
12" X 12" BEIGE FLOOR TILE	22	I	1	RM2-04	150SF	POOR	22B	+	\$300
9" X 9" BEIGE FLOOR TILE	23	I	1	RM2-05	300SF	POOR		+	\$600
9" X 9" DOT FLOOR TILE	24	I	1	RM2-01	60SF	POOR	23A,B	+	\$120
BLACK FLOOR TILE MASTIC	25	NA	1	RM2-02	120SF	POOR	24A,B	+	\$240
BATTLESHIP LINELOUM	26	NA	1	THROUGHT 2ND FLOOR	NA	NA	25A,B	-	
1' X 1' CEILING TILE	27	NA	1	RM2-04	NA	NA	26A,B	-	
9" X 9" WHITE FLOOR TTILE	28	I	1	RM2-06	NA	NA	27A,B	-	
TRANSITE SHINGLES	29	II	1	RM2-06	600SF	POOR	28A,B	+	\$1,200
TAR PAPER UNDER TRANSITE	30	NA	1	EXTERIOR	2000SF	POOR	29A,B	+	\$10,000
VAPOR BAR. PAPER UNDER CLABOARD	31	NA	1	EXTERIOR	NA	NA	30A,B	-	
FRONT DOOR WINDOW GLAZING	32	NA	1	EXTERIOR	NA	NA	31A,B	-	
WINDOW GLAZING	33	NA	1	EXTERIOR	NA	NA	32A,B	-	
ASPALT SHINGLES	34	NA	1	EXTERIOR	NA	NA	33A,B	-	
ROOFING TAR/ PAPER	35	I	1	EXTERIOR	NA	NA	34A,B	-	
FLANGE GASKET MATERIAL	137	I	1	EXTERIOR	4200SF	POOR	35A,B	+	\$21,000
VALVE PACKING	138	RACM	1	S-0 1	1EA	NA	NA	ASSUME	\$100
MERCURY THEROMETER SWITCH	NA	NA	NA	THROUGHOUT	6EA	NA	NA	ASSUME	\$300
				RM2-03	1EA	NA	NA	NA	
TOTAL									\$66,370

**Materials Inventory Cost Estimate Matrix**  
**Mill Building Across River**

MATERIAL DESCRIPTION	HOME SECTION AREA	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
HARD PACKED GASKET	36	NA	2	BOILER RM	NA	NA	36A,B	-	
CLOTH WOVEN GASKET	37	NA	2	BOILER RM	NA	NA	37A,B	-	
BOILER JACKET INSULATION	38	RACM	2	BOILER RM	600SF	POOR	38A	+	\$9,000
BOILER BLOCK INSULATION	39	RACM	2	BOILER RM	600SF	POOR	39A	+	\$9,000
BREECHING CAULKING	40	II	2	BOILER RM	3SF	POOR	40A,B	+	\$30
CEILING BOARD	41	RACM	2	BOILER RM	300SF	POOR	41A,B	+	\$3,000
T.S.I SOLID CORE	42	RACM	2	ARCH RM	700 SF	POOR		+	\$7,000
T.S.I SOLID CORE	42	RACM	2	BOILER RM	15LF	POOR	42A	+	\$375
T.S.I LAYERD PAPER	43	RACM	2	EAST RM	40LF	POOR		+	\$1,000
TSI DEBRIS	43	RACM	2	BOILER RM	10LF	POOR	43A	+	\$200
T.S.I LAYERD PAPER	43	RACM	2	BOILER RM	225 SF	POOR		+	\$450
TSI DEBRIS	43	RACM	2	WEST RM	50LF	POOR		+	\$1,000
T.S.I LAYERD PAPER	43	RACM	2	EAST RM	500 SF	POOR		+	\$1,000
T.S.I LAYERD PAPER	43	RACM	2	EAST RM	350LF	POOR		+	\$7,000
T.S.I LAYERD PAPER	43	RACM	2	ARCH RM	40LF	POOR		+	\$800
T.S.I LAYERD PAPER	43	RACM	2	2ND FLOOR	15LF	POOR		+	\$300
TAR/ LAYERD PAPER	44	RACM	2	3RD FLOOR	400LF	POOR		+	\$8,000
TAR/ LAYERD PAPER	44	RACM	2	WATER TANK RM	35LF	POOR	44A	+	\$1,050
TAR/ LAYERD PAPER	44	RACM	2	WOOL RM	30LF	POOR		+	\$900
CLOTH WOVEN EQUIPMENT	45	NA	2	EAST RM	60LF	POOR	44B	+	\$1,800
CLOTH WOVEN EQUIPMENT	45	NA	2	WEST RM	NA	NA	45A	-	
ELECTRICAL CABLE THICK	46	II	2	EAST RM	NA	NA	45B	-	
T.S.I MUDDED ELBOWS	47	RACM	2	THROUGHOUT	UNK	POOR	46A,B	+	\$6,000
T.S.I MUDDED ELBOWS	47	RACM	2	EAST RM	36EA	POOR	47A	+	\$1,800
T.S.I MUDDED ELBOWS	47	RACM	2	BOILER RM	1EA	POOR		+	\$150
T.S.I MUDDED ELBOWS	47	RACM	2	WEST RM	3EA	POOR		+	\$150
T.S.I MUDDED ELBOWS	47	RACM	2	ARCH RM	2EA	POOR		+	\$100
T.S.I MUDDED ELBOWS	47	RACM	2	3RD FLOOR	35EA	POOR		+	\$1,750
PAPER WRAP ON PIPE	48	NA	2	WEST RM	NA	NA	48A,B	-	
ELECTRICAL CABLE THIN	49	NA	2	THROUGHOUT	NA	NA	49A,B	-	
INT LARGE WINDOW GLAZING	50	II	2	WEST RM	600LF	POOR	50A	+	\$3,000
INT LARGE WINDOW GLAZING	50	II	2	BOILER RM	225LF	POOR		+	\$1,125
INT SMALL WINDOW GLAZING	50	II	2	ARCH RM	20LF	POOR	50B	+	\$100
INT SMALL WINDOW GLAZING	50	II	2	2ND FLOOR	120LF	POOR		+	\$600

**Materials Inventory and Cost Estimate Matrix  
Mill Building Across River**

DESCRIPTION	DIC GENUS AREA	NESHAP CATEGORY	EDGE ID	LOCATION	QUANTITY SF/FEA	CONDITION	SAMPLE ID NO	RESULTS (#)	ESTIMATED REMOVAL COSTS
TAR PAPER DEBRIS, LOAD DOCK	51	I	2	1ST FLOOR SOUTH	UNK	POOR	51A	+	\$500
RED SHINGLE DEBRIS, LOAD DOCK	52	NA	2	1ST FLOOR SOUTH	NA	NA	52A	-	
THICK PLASTER ONE COAT	53	NA	2	WEST RM	NA	NA	53A,B,C	-	
THIN PLASTER HALF WALL	54	NA	2	WEST RM	NA	NA	54A,B,C	-	
VAPOR BARRRIER PAPER	55	NA	2	THROUGHOUT	NA	NA	55A	-	
VAPOR BARRRIER PAPER	55	NA	2	THROUGHOUT	NA	NA	55B	-	
INT LARGE WINDOW GLAZING	56	II	2	EAST RM	NA	NA	56A	+	\$300
INT LARGE WINDOW GLAZING	56	II	2	3RD FLOOR	1875 LF	POOR		+	\$9,375
INT LARGE WINDOW GLAZING	56	II	2	2ND FLOOR	NA	NA	56B	+	\$8,675
LARGE BLOCK WINDOWS W/TAR	57	NA	2	1ST FLOOR	NA	NA	57A	-	
LARGE BLOCK WINDOWS W/TAR	57	NA	2	2ND FLOOR	NA	NA	57B	-	
PLASTER ROUGH COAT	58	NA	2	2ND FLOOR	NA	NA	58A,B,C	-	
PLASTER SKIM COAT	58	NA	2	2ND FLOOR	NA	NA	58D,E,F	-	
1' X 1' CEILING TILE	59	NA	2	STORE RM 2ND FL	NA	NA	59A,B	-	
9" X 9" RED FLOOR TILE	60	I	2	STORE RM 2ND FL	200SF	POOR	60A,B	+	\$400
BLACK MASTIC AND TAR	61	NA	2	STORE RM 2ND FL	NA	NA	61A,B	-	
SHEETROCK	62	NA	2	REAR OFFICES 2ND FL	NA	NA	62A,B	-	
JOINT COMPOUND/ TAPE	63	NA	2	REAR OFFICES 2ND FL	NA	NA	63A,B	-	
WALL TILE GROUT	64	NA	2	2ND FL BATHROOM	NA	NA	64A,B	-	
BEIGE WALL TILE MASTIC	65	NA	2	2ND FL BATHROOM	NA	NA	65A,B	-	
1' X 1' CEILING TILE	66	NA	2	2ND FL BATHROOM	NA	NA	66A,B	-	
BATHROOM WALL PANEL	67	NA	2	2ND FL BATHROOM	NA	NA	67A,B	-	
CLOTH WRAP ON F.G PIPE	68	NA	2	2ND FLOOR	NA	NA	68A,B	-	
BLACK TAR ON F.G PIPE	69	NA	2	2ND FLOOR	NA	NA	69A,B	-	
LINELOOM ON COUNTER TOP	70	NA	2	STORE RM 2ND FL	NA	NA	70A,B	-	
BEIGE MASTIC ASSOC W/ 70A,B	71	NA	2	STORE RM 2ND FL	NA	NA	71A,B	-	
CLOTH WIRING	72	NA	2	STORE RM 2ND FL	NA	NA	72A	-	
CEILING BOARD	73	NA	2	3RD FLOOR	NA	NA	73A,B	-	
TRANSITE SHINGLE	74	II	2	EXTERIOR	600SF	POOR	74A,B	+	\$3,000
TAR PAPER UNDER SHINGLES	75	NA	2	EXTERIOR	NA	NA	75A,B	-	
BUILT UP TAR & FELT	76	NA	2	EXTERIOR			76A,B	-	
BLACK SHINGLE	77	I	2	EXTERIOR	20000SF	POOR	77A,B	+	\$20,000
SILVER TAR & PAPER	78	I	2	EXTERIOR	20000SF	POOR	78A,B	+	\$20,000
BLACK TAR & PAPER	79	I	2	EXTERIOR	20000SF	POOR	79A,B	+	\$20,000



**Materials Inventory Cost Estimate Matrix  
Mill Building Across River**

MATERIAL DESCRIPTION	UNIT NO.	WESHAP CATEGORY	ELMS ID	LOCATION	QUANTITY (SPL/EA)	CONDITION	SAMPLE ID NO	RESULTS (C/A)	ESTIMATED REMOVAL COSTS
FLANGE GASKET MATERIAL	137	I	2	THROUGHOUT	43EA	NA	NA	ASSUME	\$4,300
VALVE PACKING	138	RACM	2	THROUGHOUT	29EA	NA	NA	ASSUME	\$1,450
TOTAL									\$154,680

**Materials Inventory Cost Estimate Matrix  
Mill Building**

MATERIAL DESCRIPTION	FOMC GENOUS AREA	WESHAF CATEGORY	ELIS ID	LOCATION	QUANTITY (S/F/EA)	CONDITION	SAMPLE ID NO	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
T.S.I TAR WRAP	80	RACM	3	1ST FLOOR	350LF	POOR	80A,B	+	\$2,500
12" X 12" BEIGE FLOOR TILE	81	NA	3	1ST FLOOR	NA	NA	81A,B	-	
SHEETROCK	82	NA	3	1ST FLOOR	NA	NA	82A,B	-	
VAPOR BARRIER PAPER	83	NA	3	1ST FLOOR	NA	NA	83A	-	
VAPOR BARRIER PAPER	83	NA	3	2ND FLOOR	NA	NA	83B	-	
INTERIOR WINDOW GLAZING	84	NA	3	1ST FLOOR	NA	NA	84A	-	
INTERIOR WINDOW GLAZING	84	NA	3	2ND FLOOR	NA	NA	84B	-	
PAPER WRAP ON PIPE	85	NA	3	1ST FLOOR	NA	NA	85A	-	
PLASTER SKIM COAT	86	NA	3	1ST FLOOR	NA	NA	86A,B,C,D	-	
PLASTER SKIM COAT	86	NA	3	2ND FLOOR	NA	NA	86E,F,G	-	
PLASTER ROUGH COAT	87	NA	3	1ST FLOOR	NA	NA	87A,B,C,D	-	
PLASTER ROUGH COAT	87	NA	3	2ND FLOOR	NA	NA	87E,F,G	-	
TRANSITE SHINGLES	88	II	3	LOADING DOCK	150SF	GOOD	88A	+	\$750
TAR PAPER UNDER SHIGLES	89	NA	3	LOADING DOCK	NA	NA	89A,B	-	
WOVEN CLOTH ABOVE DOORS	90	NA	3	LOADING DOCK	NA	NA	90A,B	-	
TRANSITE ON HATCH DOOR	91	II	3	BASEMENT	8SF	GOOD	91A,B	+	\$40
T.S.I LAYERD PAPER DEBRIS	92	RACM	3	BASEMENT CRAWL SPACE	UNK	POOR	92A	+	\$2,500
T.S.I SOLID CORE DEBRIS	93	RACM	3	BASEMENT CRAWL SPACE	UNK	POOR	93A	+	\$2,500
THIN SHEETROCK	94	NA	3	LOADING DOCK	NA	NA	94A,B	-	
T.S.I LAYERD PAPER	95	RACM	3	2ND FLOOR	40LF	POOR	95A	+	\$800
GRAY SHINGLES	96	NA	3	EXTERIOR	NA	NA	96A,B	-	
OLD BLACK SHINGLES	97	NA	3	EXTERIOR	NA	NA	97A,B	-	
BUILT UP TAR & PAPER	98	NA	3	EXTERIOR	NA	NA	98A,B	-	
ROLLED ROOFING W/ TAR	99	I	3	EXTERIOR	10000	POOR	99A,B	+	\$40,000
ROLLED ROOFING	100	NA	3	EXTERIOR	NA	NA	100A,B	-	
TAR AND FELT PAPER	101	I	3	EXTERIOR	10000	POOR	101A,B	+	\$40,000
BUILT UP TAR & PAPER	102	NA	3	EXTERIOR	NA	NA	102A,B	-	
EXT WINDOW GLAZING	103	NA	3	EXTERIOR 1ST FL	NA	NA	103A	-	
EXT WINDOW GLAZING	103	NA	3	EXTERIOR 2ND FL	NA	NA	103B	-	
FLANGE GASKET MATERIAL	137	I	3	THROUGHOUT	63EA	NA	NA	ASSUME	\$6,300
VALVE PACKING	138	RACM	3	THROUGHOUT	31EA	NA	NA	ASSUME	\$1,550
<b>TOTAL</b>									<b>\$96,940</b>

**Materials Inventory Estimate Matrix  
Various Exterior Buildings**

MATERIAL DESCRIPTION	ROOM GENUS REF.	NEURAP CATEGORY	BLDG ID	LOCATION	QUANTITY S/F/E/F	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
<b>SHED</b>									
ROLLED ROOFING	104	NA	4	EXTERIOR SHED	NA	NA	104A,B	-	
TAR PAPER	105	NA	4	EXTERIOR SHED	NA	NA	105A,B	-	
<b>PUMP HOUSE</b>									
TOP LAYER BLACK SHINGLE	106	NA	5	PUMP HOUSE	NA	NA	106A,B	-	
BOTTOM LAYER BLACK SHINGLE	107	NA	5	PUMP HOUSE	NA	NA	107A,B	-	
FLANGE GASKET MATERIAL	137	I	5	PUMP HOUSE	3EA	NA	NA	ASSUME	\$300
VALVE PACKING	138	RACM	5	PUMP HOUSE	11EA	NA	NA	ASSUME	\$550
<b>METAL STORAGE BLDG</b>									
CLOTH WIRING	108	NA	6	METAL STORAGE BLDG	NA	NA	108A,B	-	
<b>OIL STORAGE BLDG</b>									
ROLLED ROOFING	109	NA	7	OIL STORAGE BLDG	NA	NA	109A,B	-	
<b>STORAGE BLDG</b>									
2ND LAYER ROOFING SHINGLE	110	NA	8	STORAGE BLDG	NA	NA	110A,B	-	
BOTTOM LAYER SHINGLE	111	NA	8	STORAGE BLDG	NA	NA	111A,B	-	
TRANSITE ROOFING	112	II	8	STORAGE BLDG	1000	POOR	112A	+	\$5,000
WALLBOARD COVERING WINDOWS	113	NA	8	STORAGE BLDG	NA	NA	113A,B	-	
INTERIOR WINDOW GLAZING	114	II	8	STORAGE BLDG	675LF	POOR	114A,B	+	\$3,375
SMALL INTERIOR WINDOW GLAZING	115	II	8	STORAGE BLDG	120LF	POOR	115A,B	+	\$600
OLD CLOTH ELECTRICAL WIRE	116	NA	8	STORAGE BLDG	NA	NA	116A,B	-	
T.S.I LAYERD PAPER	117	RACM	8	STORAGE BLDG	400LF	POOR	117A	+	\$8,000
T.S.I SOLID CORE	118	RACM	8	STORAGE BLDG	100LF	POOR	118A	+	\$2,000
FIRE HOSE	119	NA	8	STORAGE BLDG	NA	NA	119A,B	-	
BOTTOM LAYER TAR PAPER	120	NA	8	STORAGE BLDG	NA	NA	120A,B	-	
FLANGE GASKET MMATERIAL	137	I	8	STORAGE BLDG	21EA	NA	NA	ASSUME	\$2,100
VALVE PACKING	138	RACM	8	STORAGE BLDG	9EA	NA	NA	ASSUME	\$450
<b>MILL BLDG BOILER ROOM</b>									
T.S.I SOILD CORE	121	RACM	9	BOILER RM	150LF	POOR	121A	+	\$3,750
TANK INSULATION BLOCK	122	RACM	9	BOILER RM (2 TANKS)	400 SF	POOR	122A	+	\$12,000
CEILING BOARD	123	RACM	9	BOILER RM	500SF	POOR	123A	+	\$5,000
FURNACE BRICK	124	NA	9	BOILER RM	NA	NA	124A,B	-	
ROOFING MATERIAL	125	NA	9	BOILER RM	NA	NA	125A,B	-	
FIRE HOSE	126	NA	9	BOILER RM	NA	NA	126A,B	-	
PLASTER ONE COAT	127	NA	9	BOILER RM	NA	NA	127A,B,C,D,E	-	

**Materials Inventory Cost Estimate Matrix  
Various Exterior Buildings**

MATERIAL DESCRIPTION	ID NO BUILDING AREA	WESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY (SF/EA)	CONDITION	SAMPLE ID NO	RESULTS (%)	ESTIMATED REMOVAL COSTS
FLANGE GASKET MATERIAL	137	I	9	BOILER RM	37EA	NA	NA	ASSUME	\$3,700
VALVE PACKING	138	RACM	9	BOILER RM	23EA	NA	NA	ASSUME	\$1,150
<b>TURBINE BLDG</b>									
CEMENT ON SEAMS OF PIPE	128	NA	10	TURBINE BLDG	NA	NA	128A,B	-	
TRANSITE MATERIAL	129	NA	10	TURBINE BLDG	NA	NA	129A,B	-	
WINDOW GLAZING	130	NA	10	TURBINE BLDG	NA	NA	130A,B	-	
PLASTER ONE COAT	131	NA	10	TURBINE BLDG	NA	NA	131A,B	-	
FLANGE GASKET MATERIAL	137	I	10	TURBINE BLDG	6EA	NA	NA	ASSUME	\$600
VALVE PACKING	138	RACM	10	TURBINE BLDG	3EA	NA	NA	ASSUME	\$150
<b>WATER OUTLET AREA</b>									
ROLLED ROOFING	132	NA	11	WATER OUTLET AREA	NA	NA	132A	-	
WINDOW GLAZING	133	NA	11	WATER OUTLET AREA	NA	NA	133A	-	
BUILT UP ROOFING	134	I	11	WATER OUTLET AREA	30SF	POOR	134A	+	\$150
OUTLET FLAP	135	NA	11	WATER OUTLET AREA	NA	NA	135A	-	
TAR PAPER	136	I	11	WATER OUTLET AREA	200SF	POOR	136A	+	\$200
<b>TOTAL</b>									<b>\$49,075</b>

**Materials Inventory Cost Estimate Matrix**  
**Debris Piles 1 and 2**

MATERIAL DESCRIPTION	HOMO-GENOUS AREA #	NESHAP CATEGORY	BLDG ID	LOCATION	QUANTITY	CONDITION	SAMPLE ID NO.	RESULTS (+/-)	ESTIMATED REMOVAL COSTS
<b>DEBRIS PILE 1</b>									
BUILT-UP ROOFING	01	NA	12	THROUGHOUT	NA	NA	P-1-01	-	
SHINGLE AND TAR	02	NA	12	THROUGHOUT	NA	NA	P-1-02	-	
MUDDER ELBOW	03	RACM	12	SOUTHWEST	2 EA	NA	P-1-03	+	\$100
TILE AND PLASTER	04	NA	12	THROUGHOUT	NA	NA	P-1-04	-	
FLANGE GASKET MATERIAL	137	I	12	SOUTHEAST	8 EA	INTACT	ASSUMED	+	\$800
VALVE PACKING	138	RACM	12	SOUTHEAST	3 EA	INTACT	ASSUMED	+	\$150
								TOTAL	\$1,050
<b>DEBRIS PILE 2</b>									
TAR AND SHINGLES	01	NA	13	THROUGHOUT	NA	NA	P-2-01	-	
BUILT-UP ROOFING	02	I	13	THROUGHOUT	UNK	POOR	P-2-02	+	\$6,250
WALLBOARD	03	NA	13	THROUGHOUT	NA	NA	P-2-03	-	
TSI DEBRIS	NA	RACM	13	EAST SIDE	1 SF	DAMAGED	ASSUMED	+	\$100
								TOTAL	\$6,350

FACILITY NAME & ADDRESS:		
<u>Farmer Cattle Co. Benswick Ave (2 Story House)</u>		
Sample ID No(s)	Material Description	Sample Location
01A	plaster ↓                      ↓                      ↓ Rough Coat	Rm 1-01
01B		Rm 1-02
01C		Rm 1-04
01D		Rm 2-01
01E		Rm 2-03
02A	plaster ↓                      ↓                      ↓ Skim Coat	Rm 1-01
02B		Rm 1-02
02C		Rm 1-04
02D		Rm 2-01
02E		Rm 2-03
03A	T&T (layered paper)	Rm 1-01
04A	T&T mudded elbow	Rm 1-01
05A,B	shutout	Rm 1-02 / Rm 2-0
06A,B	Joint Compound / Tape	Rm 1-02 ( Rm 2-0
07A,B	Real 12"x12" Floor T.L	Rm 1-01 (Front box
08A,B	Beige. plaster Assoc w 7A,B	Rm 1-01 (Front box

- STOP AT 1<sup>ST</sup> POSITIVE  
 ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:

Farmer Cattle Co. Benedict Ave (2 Story House)

Sample ID No(s)	Material Description	Sample Location
09A	Brown Glue on fiberglass wrap	Rm 1-01
10A,B	Black vapor barrier paper	Rm 1-02
11A,B	9" x 9" Red floor tile	Rm 1-02
12A,B	Black mastic + Tar paper <sup>Assoc with 11A,B</sup>	Rm 1-02
13A,B	Beige wall tile mastic	Rm 1-03
14A,B	Thick cloth wiring	Rm 1-03
15A,B	Thin cloth wiring	Rm 1-03
16A,B	Brown floor tile	Rm 1-03 / Rm 1-04
17A,B	Black mastic + Tar paper <sup>Assoc with 16A,B</sup>	Rm 1-03 / Rm 1-04
18A,B	Beige carpet mastic	Rm 1-04 / Rm 1-05
19A,B	12" x 12" Puckey floor tile	Rm 1-07
20A,B	Brown wall panel mastic	S-01
21A,B	Brown sheetrock	S-01
22A,B	12" x 12" Beige floor tile	S-01 <sup>top</sup> landing ( Rm 2-04
23A,B	9" x 9" Beige floor tile	Rm 2-01
24A,B	9" x 9" Floor tile (Out)	Rm 2-02

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:

Former Caddle Co. Brunswick Ave (2 Story House)

Sample ID No(s)	Material Description	Sample Location
25A.B	Black mastic from 9"x9" tile	Rm 2-01 / 2-06
26A.A	Backsheet linoleum (2nd layer)	Rm 2-04
27A.B	1'x1' ceiling tile	Rm 2-01 / 2-06
28A.B	9"x9" white floor tile	Rm 2-06
29A	Transite shingle ext	Exterior
30A.A	Tar paper under Transite	Exterior
31A.B	Vapor barrier paper under cladding	Exterior
32A.B	Dark window glazing	Ext Front door
33A.B	Window Glazing	Exterior 2nd Floor / 1st Floor
34A.A	Asphalt shingles w tar	Exterior
35A.B	Tar paper	Exterior

- STOP AT 1<sup>ST</sup> POSITIVE  
 ANALYZE ALL SAMPLES



FACILITY NAME & ADDRESS:		
Farmer Cable Co. Brunswick Ave (Across River)		
Sample ID No(s)	Material Description	Sample Location
36A.B	Hand packed Gasket Material	Boiler Room
37A.B	cloth woven Gasket	Boiler Room
38A	Boiler Jacket Tsi (Tank)	Boiler Room
39A	Thermal Blank Insulation (Tank)	Boiler Room
40A.B	Breeching Casing	Boiler Room
41A.	Fire proof ceiling board	Boiler Room
41B	Fire proof ceiling board	Boiler Room
42A	Tsi May line 1/2 core	East Room
43A	Tsi Layered paper	East Room
44A.B	Tar + Layered paper	West Tank / East Room
45A.B	cloth fiber machine equip	West Room / East Room
46A.B	woven electrical cable (Thick)	East Room
47A	Muddled Elbow	East Room
48A	Canvas layered paper wrap by South Entrance door	West Room < 1/10
49A	cloth wire wrap 1hr (small)	West Room < 1/10
50A	Interior window caulking (West Room Large window)	West Room

STOP AT 1<sup>ST</sup> POSITIVE  
 ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:		
Farmer Cattle Co. Brunswick Ave (Across River)		
Sample ID No(s)	Material Description	Sample Location
50.B	Interior Windows Glazing <sup>Small window</sup> Arch Rm	Arch Rm
51.A	Tar paper debris <sup>1st Floor South</sup> Loading Dock	West Rm
52.A	Red shingles debris <sup>1st Floor South</sup> Loading Dock	West Rm
53.A.A.C	Thick plaster one coat	North side West Rm
54.A.B.C	Thin plaster Half wall	East side West Rm
55.A.B	Vapor barrier paper under floor	1st Floor / 2nd Floor East Rm
56.A.B	Interior windows glazing (Carp steel)	1st Floor / 2nd Floor
57.A.B	Carp Black Glass / Tar + Mastic	1st Floor / 2nd Floor
58.A.B.C	plaster Rough coat	2nd Floor.
58.D.E.F	plaster Skim coat	2nd Floor
59.A.B	1'x1' C.T. Stone Rm	Stone Rm 2nd floor.
60.A.B	9"X9" Red floor tile	Stone Rm 2nd floor.
61.A.B	Black Mastic + Tar paper	Stone Rm 2nd floor.
62.A.B	Sheetrock	Rear offices 2nd floor.
63.A.B	Joint compound / Tape	Rear offices 2nd floor.
64.A.B	Tile Grout	Bathroom 2nd floor

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:		
Farmer Cattle Co. Brunswick Ave (Across River)		
Sample ID No(s)	Material Description	Sample Location
65A.B	Tile mastic (Beige)	Bathroom 2 <sup>nd</sup> floor
66A.B	1'x1' ceiling tile	Bathroom 2 <sup>nd</sup> floor
67A.B	Bathroom panel	Bathroom 2 <sup>nd</sup> floor
68A.B	cloth wrap on fiberglass pipe	2 <sup>nd</sup> floor East side
69A.B	Black lac on fiberglass insulation	2 <sup>nd</sup> floor Rear cabinet
70A.B	Linoleum counter top	2 <sup>nd</sup> floor Store rm
71A.B	Beige mastic Assoc w 70A.B	2 <sup>nd</sup> floor Store rm
72A	old cloth lining $< 1\%$	2 <sup>nd</sup> floor Store rm
73A.B	ceiling board	3 <sup>rd</sup> floor
74A	Transite shingle	Exterior South side
75A.B	Tar paper under (shingles)	Exterior South side
76A.B	Built up tar + felt paper	Exterior Roof
77A.B	Black shingles	Exterior Roof
78A.B	Silver tar + paper	Exterior Roof
79A.B	Black lac paper	Exterior Roof

STOP AT 1<sup>ST</sup> POSITIVE  
 ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:

Forman Cable Co. Brunswick Ave (Carrill Building)

Sample ID No(s)	Material Description	Sample Location
80A,B	Tac wrap TSi	1 <sup>st</sup> Floor West/North.
81A,B	12" x 12" Beige floor tile	1 <sup>st</sup> Floor South / 1 <sup>st</sup> Floor North
82A,B	Sheetrock	1 <sup>st</sup> Floor Hall 6 2 <sup>nd</sup> Floor.
83A,B	Vapor barrier paper	1 <sup>st</sup> Floor / 2 <sup>nd</sup> Floor
84A,B	Interior window Glazing	1 <sup>st</sup> Floor North / 2 <sup>nd</sup> Floor South
85A	paper wrap on pipe (yellow)	1 <sup>st</sup> Floor South side
86A	plaster skim coat	1 <sup>st</sup> Floor North East
86B		1 <sup>st</sup> Floor North West.
86C		1 <sup>st</sup> Floor West.
86D		1 <sup>st</sup> Floor South East
86E		2 <sup>nd</sup> Floor South east
86F		2 <sup>nd</sup> Floor South west
86G		2 <sup>nd</sup> Floor East
87A	plaster Rough Coat	1 <sup>st</sup> Floor North East
87B		1 <sup>st</sup> Floor North West
87C		1 <sup>st</sup> Floor West

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:		
Forman Cable Co. Brunswick Ave (Small Building)		
Sample ID No(s)	Material Description	Sample Location
87 D	Plaster Rough Coat	1 <sup>st</sup> floor South East
87 E		2 <sup>nd</sup> floor South East
87 F		2 <sup>nd</sup> floor South West
87 G		2 <sup>nd</sup> floor East
88 A	Transite Shingles	Landing Deck
89 A.B	Tar paper under shingles	Landing Deck
90 A.B	Woven cloth above overhead doors	Landing Deck
91 A.B	Transite on back door	Basement Ground Space
92 A	Lynx paper T&T debris	East Ground Space
93 A	Solid core mg debris	East Ground Space
94 A.B	Thin sheetrock piled in landing deck	Landing Deck
95 A	T&E Lynx paper on backdoor	2 <sup>nd</sup> floor South side
96 A.B	Grey Shingle	Ext Roof 2 <sup>nd</sup> floor Center hole
97 A.B	old black Shingles	Ext Roof 2 <sup>nd</sup> floor Center hole
98 A.B	Built up for t tar paper	Ext Roof 2 <sup>nd</sup> floor Center hole
99 A.B	Roller Roofing w Tar	Ext Roof 2 <sup>nd</sup> floor Center hole

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:

Former Cable Co. Brunswick Ave (with Building)

Sample ID No(s)	Material Description	Sample Location
100 A.B	Rotted Roofing	2nd floor West
101 A.B	Tar + felt paper	2nd floor West
102 A.B	Built up Roofing / tar / felts	2nd floor West
103 A.	Ext window glazing	1st floor North
103 B	Ext window glazing	2nd floor South
104 A.B	Rotted Roofing shingles	Shed (Ext)
105 A.B	Tar paper	Shed (Ext)
106 A.B	Top layer shingles	pump house
107 A.B	Bottom layer shingles	pump house
108 A.B	old cloth wiring	metal storage shed #1
109 A.B	Rotted Roofing	oil storage tank bldg
110 A.B	2nd top layer shingle	Storage Bldg #2
111 A.B	Bottom layer shingles bp layer	Storage Bldg #2
112 A	Transite shingle	Storage Bldg #2
113 A.B	Wall board covering windows	Storage Bldg #2
114 A.B	Interior window glazing	Storage Bldg #2

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:

Sample ID No(s)	Material Description	Sample Location
Furnace Cable Co. Bensenich Ave (Mill Building)		
115 A, B	Exterior window glazing	Storage Bldg #2
116 A, B	old cloth wiring L 1 1/2"	Storage Bldg #2
117 A	TSE Lined paper	Storage Bldg #2
118 A	TSE Solid core mag	Storage Bldg #2
119 A, B	Fire hose	Storage Bldg #2
120 A, B	Tar paper under 2 layers shingles	Storage Bldg #2
121 A	Mag TSE piping (solid core)	Boiler Rm
122 A	Thermal mag block (Tank)	Boiler Rm
123 A, B	Ceiling material	Boiler Rm
124 A, B	Brick Boiler	Boiler Rm
125 A, B	Built up Roofing Tar/paper	Boiler Rm
126 A, B	Fire hose L 1 1/2"	Boiler Rm
127 A	plaster over coat	Boiler Rm
127 B	↓	Boiler Rm
127 C	↓	Boiler Rm
127 D	↓	Boiler Rm

- STOP AT 1<sup>ST</sup> POSITIVE
- ANALYZE ALL SAMPLES

FACILITY NAME & ADDRESS:		
Farmer Cattle Co. Brunswick Ave (Cattle Building)		
Sample ID No(s)	Material Description	Sample Location
127 E	plaster over coat	Boiler Room
128 A.D	Terrazzo like material	Turbine area
129 A.A	Cement layer (toilet tubs)	turbine area
130 A.D	Windows Glazing	Turbine area
131 A	plaster over coat	Turbine Bldg
131 B		Turbine Bldg
131 C		Turbine Bldg
131 D		Turbine Bldg
131 E		Turbine Bldg
132 A		Roller Roofing
133 A	Windows Glazing	water outlet area
134 A	Built up Roofing	water outlet area
135 A	outlet Flap Rubber + Canvas	water outlet area
136 A	Tar paper	water outlet area

STOP AT 1<sup>ST</sup> POSITIVE

ANALYZE ALL SAMPLES



FACILITY NAME & ADDRESS:		
Farmer Cradle Co. Brunswick Ave (Debris pile #1)		
Sample ID No(s)	Material Description	Sample Location
p-1-01	Built up Roofing	p.l. #1
p-1-02	Shingles + Tar paper	p.l. #1
p-1-03	Mudded elbow Insulation	p.l. #1
p-1-04	t.l. + plaster	p.l. #1
p-2-01	Tar shingles	p.l. #2
p-2-02	Built up Roofing	p.l. #2
p-2-03	Leadboard	p.l. #2

STOP AT 1<sup>ST</sup> POSITIVE  
 ANALYZE ALL SAMPLES

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (956) 858-4800 Fax: (956) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3835 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
01A 040114685-0001	RM 1-01	Gray/Brown/Tan Fibrous Heterogeneous	Crushed	1% Cellulose 5% Hair	94% Non-fibrous (other)	None Detected
01B 040114685-0002	RM 1-02	Gray/Brown/Tan Fibrous Heterogeneous	Crushed	1% Cellulose 5% Hair	94% Non-fibrous (other)	None Detected
01C 040114685-0003	RM 1-04	Gray/Brown/Tan Fibrous Heterogeneous	Crushed	1% Cellulose 15% Hair	84% Non-fibrous (other)	None Detected
01D 040114685-0004	RM 2-01	Gray/Brown/Tan Fibrous Heterogeneous	Crushed	1% Cellulose 15% Hair	84% Non-fibrous (other)	None Detected
01E 040114685-0005	RM 2-03	Gray/Brown/Tan Fibrous Heterogeneous	Crushed	1% Cellulose 5% Hair	94% Non-fibrous (other)	None Detected
02A 040114685-0006	RM 1-01	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
02B 040114685-0007	RM 1-02	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
02C 040114685-0008	RM 1-04	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
02D 040114685-0009	RM 2-01	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVEAP nor any agency of the United States Government.  
 Analysis performed by EMSL Westmont (117) AP #101048-0, NY ELAP 10872

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30457  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Customer ID: FORB50  
 Customer FC:  
 Received: 09/17/01 11:55 AM

Fax: (413) 732-3635 Phone: 413-732-5011

EMSL Order: 040114685

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
02E <small>040114685-0010</small>	RM 2-03	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
03A <small>040114685-0011</small>	RM 1-01	Gray/Brown/Green Fibrous Heterogeneous	Teased	30% Cellulose 1% Synthetic	24% Non-fibrous (other)	45% Chrysotile
04A <small>040114685-0112</small>	RM 1-01	White/Peach Fibrous Heterogeneous	Teased Dissolved	1% Cellulose	69% Non-fibrous (other)	30% Chrysotile
05A <small>040114685-0113</small>	RM 1-02	Gray/Brown Fibrous Heterogeneous	Teased	30% Cellulose	70% Non-fibrous (other)	None Detected
05B <small>040114685-0114</small>	RM 2-04	Gray/Brown Fibrous Heterogeneous	Teased	30% Cellulose	70% Non-fibrous (other)	None Detected
06A JOINT COMPOUND <small>040114685-0115</small>	RM 1-02	Tan Non-Fibrous Heterogeneous	Dissolved	1% Cellulose	96% Non-fibrous (other)	3% Chrysotile
06A TILE <small>040114685-0231</small>	RM 1-02	Tan/Gray Fibrous Heterogeneous	Teased Ashed	98% Cellulose	2% Non-fibrous (other)	None Detected
06B <small>040114685-0115</small>	RM 2-04	Tan/Gray Fibrous Heterogeneous	Teased Ashed	98% Cellulose	2% Non-fibrous (other)	None Detected
06B TILE <small>040114685-0235</small>	RM 2-04	Tan/Gray Fibrous Heterogeneous	Teased Ashed	98% Cellulose	2% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYLAF or any agency of the United States Government.  
 Analysis performed by EMSL, Westmont, (NYLAP #10-048-01, NY ELAP 1087)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4860 Email: [sslegal@EMSL.com](mailto:sslegal@EMSL.com)

Attn: Scott Mcsney  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01 J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50

Customer PO:

Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
07A 040114685-0017	RM 1-01 (FRONT FOYER)	Red/Brown Fibrous Heterogeneous	Crushed Dissolved		90% Non-fibrous (other)	10% Chrysotile
07B 040114685-0018	RM 1-01 (FRONT FOYER)					Not Analyzed
08A 040114685-0019	RM 1-01 (FRONT FOYER)	Gold Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
08B 040114685-0020	RM 1-01 (FRONT FOYER)	Gold Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
09A 040114685-0021	RM 1-01	Orange Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
09B 040114685-0022	RM 1-01	Orange Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
09B 040114685-0023	RM 1-01	Orange Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
10A 040114685-0022	RM 1-02	Brown/Orange/Black Fibrous Heterogeneous	Teased Ashed	97% Cellulose <1% Synthetic	3% Non-fibrous (other)	None Detected
10B 040114685-0023	RM 1-02	Brown/Orange/Tan Fibrous Heterogeneous	Teased Ashed	97% Cellulose <1% Synthetic	3% Non-fibrous (other)	None Detected

**Analyst(s)**

Delores Beard (19)  
Scott Combs (117)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10672

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4860 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-D1-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50

Customer PO:

Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
11A <small>040114685-0024</small>	RM 1-02	Brown Fibrous Heterogeneous	Crushed Dissolved		85% Non-fibrous (other)	15% Chrysotile
11B <small>040114685-0025</small>	RM 1-02					Not Analyzed
12A <small>040114685-0025</small>	RM 1-02	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
12B <small>040114685-0027</small>	RM 1-02	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
13A <small>040114685-0028</small>	RM 1-03	Beige Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
13B <small>040114685-0029</small>	RM 1-03	Beige Non-Fibrous Homogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
14A <small>040114685-0030</small>	RM 1-03	Brown/Black Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
14B <small>040114685-0031</small>	RM 1-03	Brown/Black Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
15A <small>040114685-0032</small>	RM 1-03	Brown/Black/Copper Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (19)

Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with EM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP for any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NY/LAP #101048-0), NY ELAP 10872

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegei@EMSL.com](mailto:ssiegei@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
15B 040114685-0033	RM 1-03	Brown/Black/Coop er Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected
16A 040114685-0034	RM 1-03	Black/Gray Fibrous Heterogeneous	Crushed Dissolved		85% Non-fibrous (other)	15% Chrysotile
16B 040114685-0035	RM 1-04					Not Analyzed
17A 040114685-0035	RM 1-03	Black/Brown Fibrous Heterogeneous	Dissolved Teased	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
17B 040114685-0037	RM 1-04	Black/Brown Fibrous Heterogeneous	Dissolved Teased	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
18A 040114685-0039	RM 1-04	Yellow/Beige/Tan Non-Fibrous Heterogeneous	Dissolved	1% Cellulose 1% Synthetic	98% Non-fibrous (other)	None Detected
18B 040114685-0039	RM 1-05	Yellow/Beige/Tan Non-Fibrous Heterogeneous	Dissolved	1% Cellulose 1% Synthetic	98% Non-fibrous (other)	None Detected
19A TILE 040114685-0040	RM 1-07	Brown/Black Non-Fibrous Heterogeneous	Crushed Dissolved		100% Non-fibrous (other)	None Detected
19A MASTIC 040114685-0033	RM 1-07	Yellow Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected

**Analyst(s)**

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NV, AF or any agency of the United States Government.  
 Analysis performed by EMSL Westmont (IN/LAP #101048-01, NY ELAP 10872)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiege1@EMSL.com](mailto:ssiege1@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
19B TILE <small>040114685-0041</small>	RM 1-07	Brown/Black Non-Fibrous Heterogeneous	Crushed Dissolved		100% Non-fibrous (other)	None Detected
19B MASTIC <small>040114685-0284</small>	RM 1-07	Yellow Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
20A <small>040114685-0142</small>	S-01	Brown/Gray/Green Fibrous Heterogeneous	Crushed Dissolved	2% Cellulose	88% Non-fibrous (other)	10% Chrysotile
20B <small>040114685-0141</small>	S-01					Not Analyzed
21A <small>040114685-0144</small>	S-01	Tan/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
21B <small>040114685-0045</small>	S-01	Tan/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
22A <small>040114685-0045</small>	S-01 (TOP LANDING)	Green/Gray Fibrous Heterogeneous	Crushed Dissolved		92% Non-fibrous (other)	8% Chrysotile
22B <small>040114685-0047</small>	RM 2-04					Not Analyzed
23A TILE <small>040114685-0049</small>	RM 2-01	Beige Fibrous Heterogeneous	Crushed Dissolved		90% Non-fibrous (other)	10% Chrysotile

**Analyst(s)**

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYLAP for any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NYLAP #101048-0, NY ELAP 10572)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4860 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mosséy  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-5011  
 Project: #ARRON-01J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
23A MASTIC 040114685-0285	RM 2-01	Black/Brown Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
23B TILE 040114685-0049	RM 2-01					Not Analyzed
23B MASTIC 040114685-0287	RM 2-01	Black/Brown Fibrous Heterogeneous	Dissolved Teased	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
24A TILE 040114685-0050	RM 2-02	Gray/Pink Fibrous Heterogeneous	Crushed Dissolved		92% Non-fibrous (other)	8% Chrysotile
24A MASTIC 040114685-0288	RM 2-02	Black/Brown Fibrous Heterogeneous	Dissolved	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
24B TILE 040114685-0051	RM 2-02					Not Analyzed
24B MASTIC 040114685-0289	RM 2-02	Black/Brown Fibrous Heterogeneous	Dissolved	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
25A 040114685-0052	RM 2-01	Black/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
25B 040114685-0053	RM 2-06	Black/Brown Fibrous Heterogeneous	Teased Dissolved	65% Cellulose 1% Synthetic	34% Non-fibrous (other)	None Detected

## Analyst(s)

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with EM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP for any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #101043-0, NY ELAP 10272)

PLM-i

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.



**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50

Customer PO:

Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos	
				% Fibrous	% Non-Fibrous	% Type	
26A LINO 040114685-0054	RM 2-04	Blue/Brown/Tan Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected	
26A MASTIC 040114685-0292	RM 2-04	Brown Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected	
26B LINO 040114685-0055	RM 2-04	Blue/Brown/Tan Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected	
26B MASTIC 040114685-0291	RM 2-04	Brown Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected	
27A 040114685-0058	RM 2-01	Brown/White Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected	
27B 040114685-0057	RM 2-06	Brown/White Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected	
28A 040114685-0056	RM 2-06	Gray Fibrous Heterogeneous	Crushed Dissolved		85% Non-fibrous (other)	15% Chrysotile	
28B 040114685-0059	RM 2-06					Not Analyzed	
29A 040114685-0060	EXTERIOR	Gray/Tan Fibrous Heterogeneous	Crushed	<1% Cellulose	80% Non-fibrous (other)	20% Chrysotile	

## Analyst(s)

Delores Beard (19)

Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NV, AF or any agency of the United States Government.  
 Analysis performed by EMSL, Westmont, NJ/LAP #101048-0; NY FLAP 10877

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

Attn: Scott Mossey  
 Forbes & Wheeler Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUF, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
30A 040114685-0062	EXTERIOR	Black/Brown Fibrous Heterogeneous	Teased Ashed	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
30B 040114685-0063	EXTERIOR	Black/Brown Fibrous Heterogeneous	Teased Ashed	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
31A 040114685-0064	EXTERIOR	Tan/Pink Fibrous Heterogeneous	Teased Ashed	95% Cellulose 2% Synthetic	3% Non-fibrous (other)	None Detected
31B 040114685-0065	EXTERIOR	Tan/Pink Fibrous Heterogeneous	Teased Ashed	95% Cellulose 2% Synthetic	3% Non-fibrous (other)	None Detected
32A 040114685-0066	EXT FRONT DOORS	Gray/Tan/Red Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
32B 040114685-0067	EXT FRONT DOORS					Not Submitted
33A 040114685-0068	EXT 2ND FLR	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
33B 040114685-0069	EXT 1ST FLR	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
34A 040114685-0070	EXTERIOR	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected

**Analyst(s)**

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by HV, AF or any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NYL AP #101M8-0, NY ELAP 10872)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-8011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
34B 040114685-0071	EXTERIOR	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected
35A 040114685-0072	EXTERIOR	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	24% Non-fibrous (other)	45% Chrysotile
35B 040114685-0073	EXTERIOR					Not Analyzed
36A 040114685-0074	BOILER RM	Gray Fibrous Heterogeneous	Teased	3% Cellulose 75% Min. Wool 8% Synthetic	14% Non-fibrous (other)	None Detected
36B 040114685-0075	BOILER RM	Gray Fibrous Heterogeneous	Teased	3% Cellulose 75% Min. Wool 8% Synthetic	14% Non-fibrous (other)	None Detected
37A 040114685-0076	BOILER RM	Gray/Tan/Brown Fibrous Heterogeneous	Teased	2% Cellulose 95% Glass	3% Non-fibrous (other)	None Detected
37B 040114685-0077	BOILER RM	Gray/Tan/Green Fibrous Heterogeneous	Teased	1% Cellulose 95% Glass	4% Non-fibrous (other)	None Detected
38A 040114685-0078	BOILER RM	Gray/Tan Fibrous Heterogeneous	Teased	10% Cellulose 1% Synthetic	24% Non-fibrous (other)	85% Chrysotile
39A 040114685-0080	BOILER RM	Gray/Rust/Tan Fibrous Heterogeneous	Teased Dissolved	1% Cellulose <1% Synthetic	69% Non-fibrous (other)	15% Amosite 15% Chrysotile

**Analyst(s)**

Delores Beard (19)  
Scott Combs (117)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items listed. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP for any agency of the United States Government. Analysis performed by EMSL Westmont, (NVLAP #101048-0), NY ELPF 10872.

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4860 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Vneeter, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50

Customer PO:

Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
40A 040114685-0022	BOILER RM	Gray/Tan/Rust Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 1% Synthetic	69% Non-fibrous (other)	25% Chrysotile
40B 040114685-0023	BOILER RM					Not Analyzed
41A 040114685-0024	BOILER RM	Gray/Tan/Green Fibrous Heterogeneous	Teased	10% Cellulose 1% Synthetic	24% Non-fibrous (other)	65% Chrysotile
41B 040114685-0025	BOILER RM					Not Analyzed
42A 040114685-0026	EAST RM	Tan/Rust/Brown Fibrous Heterogeneous	Teased Dissolved	5% Cellulose <1% Glass 1% Synthetic	69% Non-fibrous (other)	15% Amosite 10% Chrysotile
43A 040114685-0027	EAST RM	Gray/Tan/Brown Fibrous Heterogeneous	Teased	10% Cellulose 1% Synthetic	24% Non-fibrous (other)	65% Chrysotile
44A 040114685-0028	WATER TANK RM					Not Submitted
44B 040114685-0029	EAST RM	Gray/Brown/Black Fibrous Heterogeneous	Teased Dissolved	50% Cellulose 1% Hair 5% Synthetic	24% Non-fibrous (other)	20% Chrysotile
45A 040114685-0030	WEST RM	Gray/Brown/Tan Fibrous Heterogeneous	Teased	95% Cellulose <1% Glass 1% Synthetic	4% Non-fibrous (other)	None Detected

## Analyst(s)

Delores Beard (19)

Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #101048-01, NY ELAP 10272)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE, MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
45B <small>040114685-0021</small>	EAST RM	Gray/Brown/Tan Fibrous Heterogeneous	Teased	95% Cellulose <1% Glass 1% Synthetic	4% Non-fibrous (other)	None Detected
46A <small>040114685-0092</small>	EAST RM	Brown/Black/Green Fibrous Heterogeneous	Teased	3% Cellulose 60% Glass	34% Non-fibrous (other)	3% Chrysotile
46B <small>040114685-0083</small>	EAST RM					Not Analyzed
47A <small>040114685-0264</small>	EAST RM	Gray/Tan/Brown Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 1% Synthetic	34% Non-fibrous (other)	60% Chrysotile
48A <small>040114685-0085</small>	WEST RM	Rust/Brown/Gray Fibrous Heterogeneous	Teased	1% Cellulose 65% Synthetic	34% Non-fibrous (other)	<1% Chrysotile
49A <small>040114685-0095</small>	WEST RM	Black/Brown/Copper Fibrous Heterogeneous	Teased	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected
49B <small>040114685-0292</small>	WEST RM	Black/Brown/Copper Fibrous Heterogeneous	Teased	30% Cellulose <1% Glass 3% Synthetic	67% Non-fibrous (other)	<1% Chrysotile
50A <small>040114685-0087</small>	WEST RM	Gray/Green/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	97% Non-fibrous (other)	3% Chrysotile

POSSIBLE CONTAMINATION, CHRYSOTILE DOES NOT APPEAR CONSISTENT IN MATERIAL

NOT ON COC. POSSIBLE CONTAMINATION, CHRYSOTILE DOES NOT APPEAR CONSISTENT IN MATERIAL

Analyst(s)

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP for any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3835 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
50B 040114685-0099	ARCH RM					Not Analyzed
51A 040114685-0099	WEST RM	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	20% Cellulose 1% Synthetic	14% Non-fibrous (other)	65% Chrysotile
52A 040114685-0100	WEST RM	Black/Brown/Tan Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected
53A 040114685-0101	N. SIDE WEST RM	Gray/Tan/Green Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected
53B 040114685-0102	N. SIDE WEST RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected
53C 040114685-0103	N. SIDE WEST RM	Gray/Tan/Green Non-Fibrous Heterogeneous	Crushed	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected
54A 040114685-0104	E. SIDE WEST RM	Gray/Brown/Tan Non-Fibrous Heterogeneous	Crushed	1% Cellulose <1% Hair	99% Non-fibrous (other)	None Detected
54B 040114685-0105	E. SIDE WEST RM	Gray/Brown/Tan Non-Fibrous Heterogeneous	Crushed	1% Cellulose <1% Hair	99% Non-fibrous (other)	None Detected
54C 040114685-0105	E. SIDE WEST RM	Gray/Brown/Tan Non-Fibrous Heterogeneous	Crushed	1% Cellulose <1% Hair	99% Non-fibrous (other)	None Detected

**Analyst(s)**

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by this client to claim product endorsement by NVLAP or any agency or the United States Government.  
 Analysis performed by EMSL Westmont, (NY/LAP #10-048-01, NY ELAP-10872)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer FO:  
 Received: 09/17/01 11:55 AM  
 EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
55A <small>040114685-0107</small>	1ST FLR EAST RM	Black/Brown Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
55B <small>040114685-0105</small>	2ND FLR	Black/Brown Fibrous Heterogeneous	Teased Dissolved	65% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
56A <small>040114685-0109</small>	1ST FLR	Gray/Tan Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose	100% Non-fibrous (other)	None Detected
56B <small>040114685-0110</small>	2ND FLR	Gray/Tan Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose	100% Non-fibrous (other)	None Detected
57A <small>040114685-0111</small>	1ST FLR	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
57B <small>040114685-0112</small>	2ND FLR	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
58A <small>040114685-0113</small>	2ND FLR	Gray/Tan Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
58B <small>040114685-0114</small>	2ND FLR	Gray/Tan Non-Fibrous Heterogeneous	Crushed	2% Cellulose	98% Non-fibrous (other)	None Detected
58C <small>040114685-0115</small>	2ND FLR	Gray/Tan/Blue Non-Fibrous Heterogeneous	Crushed	1% Cellulose	99% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (19)  
 Scott Combs (117)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NV, AF for any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NJ) LAP #101048-0, NY ELAP 13572

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
EMSL Project ID:

Analysis Date: 9/27/2001

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
58D 040114685-0115	2ND FLR	Gray/Green/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
58E 040114685-0117	2ND FLR	Gray/Green/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
58F 040114685-0118	2ND FLR	Gray/Green/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
59A 040114685-0119	STORE RM 2ND FLR	Brown/White Fibrous Heterogeneous	Teased Dissolved	97% Cellulose	3% Non-fibrous (other)	None Detected
59B 040114685-0120	STORE RM 2ND FLR	Brown/White Fibrous Heterogeneous	Teased Dissolved	97% Cellulose	3% Non-fibrous (other)	None Detected
60A 040114685-0121	STORE RM 2ND FLR	Black/Red Fibrous Heterogeneous	Crushed Dissolved		85% Non-fibrous (other)	15% Chrysotile
60B 040114685-0122	STORE RM 2ND FLR					Not Analyzed
61A TAR PAPER 040114685-0123	STORE RM 2ND FLR	Black/Brown Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
61A MASTIC 040114685-0294	STORE RM 2ND FLR	Brown Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected

**Analyst(s)**

Delores Beard (19)  
Scott Combs (117)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
Analysis performed by EMSL Westmont, (NVLAP #101048-0, NY ELAP 10872)

PLM-1



**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08102

Phone: (856) 858-4800 Fax: (856) 858-4660 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FOR850  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
61B TAR PAPER <small>040114685-0121</small>	STORE RM 2ND FLR	Black/Brown Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
61B MASTIC <small>040114685-0122</small>	STORE RM 2ND FLR	Brown Non-Fibrous Homogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
62A <small>040114685-0123</small>	REAR OFFICE 2ND FLR	Gray/Brown Fibrous Heterogeneous	Teased	20% Cellulose	80% Non-fibrous (other)	None Detected
62B <small>040114685-0124</small>	REAR OFFICE 2ND FLR	Gray/Brown Fibrous Heterogeneous	Teased	40% Cellulose	60% Non-fibrous (other)	None Detected
63A <small>040114685-0125</small>	REAR OFFICE 2ND FLR	Gray Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
63B <small>040114685-0126</small>	REAR OFFICE 2ND FLR	Gray Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
64A <small>040114685-0127</small>	BATHRM 2ND FLR	Gray/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
64B <small>040114685-0128</small>	BATHRM 2ND FLR	Gray/Brown Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
65A <small>040114685-0129</small>	BATHRM 2ND FLR	Gold/Brown Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected

**Analyst(s)**

*Delores Beard (22)*

*Scott Combs (273)*

Stephen Segel, CIH  
 or other approved signatory

PLM has been designed to test asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or None Detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NPLAP nor any agency of the United States Government.  
 Analysis performed by EMSL, Westmont, NJ, NPLAP #1C1048-01, NJ EPLAP 10FT2

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiege@EMSL.com](mailto:ssiege@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685

EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
65B <small>040114685-0132</small>	BATHRM 2ND FLR	Gold/Brown Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
66A <small>040114685-0133</small>	BATHRM 2ND FLR	Tan/Gray Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
66B <small>040114685-0134</small>	BATHRM 2ND FLR	Tan/Gray Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
67A <small>040114685-0135</small>	BATHRM 2ND FLR	Brown/Tan/Black Fibrous Heterogeneous	Teased Crushed	97% Cellulose	3% Non-fibrous (other)	None Detected
67B <small>040114685-0136</small>	BATHRM 2ND FLR	Brown/Tan/Black Fibrous Heterogeneous	Teased Crushed	97% Cellulose	3% Non-fibrous (other)	None Detected
68A <small>040114685-0137</small>	2ND FLR EAST SIDE	Gray/Brown Fibrous Heterogeneous	Teased	95% Cellulose	1% Non-fibrous (other)	None Detected
68B <small>040114685-0138</small>	2ND FLR EAST SIDE	Gray/Brown Fibrous Heterogeneous	Teased	99% Cellulose	1% Non-fibrous (other)	None Detected
69A <small>040114685-0139</small>	2ND FLR REAR OFFICE	Silver/Black/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 3% Glass	52% Non-fibrous (other)	None Detected
69B <small>040114685-0140</small>	2ND FLR REAR OFFICE	Silver/Black/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 3% Glass	52% Non-fibrous (other)	None Detected

**Analysts**

Delores Beard (22)

Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. To derive PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NIAAF nor any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NIAAF #11649-01, 10/01 SLAP 10872)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 03108

Phone: (856) 858-4800 Fax: (856) 858-4860 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey Forbes & Wheeler, Inc. P.O. Box 30467 10 Ingraham Terrace Springfield, MA 01103-0467	Customer ID: FORB50 Customer PO: Received: 09/17/01 11:55 AM
Fax: (413) 732-3635 Phone: 413-732-6014	EMSL Order: 040114665 EMSL Project ID:
Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK AVE., MOOSUP, CT	Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
70A 040114665-0141	2ND FLR STORE RM	Black/Brown/Blue Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
70B 040114665-0142	2ND FLR STORE RM	Black/Brown/Blue Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
71A 040114665-0143	2ND FLR STORE RM	Brown/Black Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
71B 040114665-0144	2ND FLR STORE RM	Brown/Black Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 1% Synthetic	94% Non-fibrous (other)	None Detected
72A 040114665-0145	2ND FLR STORE RM	Gray/Tan/Brown Fibrous Heterogeneous	Teased Dissolved	5% Cellulose 70% Glass 1% Synthetic	24% Non-fibrous (other)	<1% Chrysotile
POSSIBLE CONTAMINATION						
73A 040114665-0146	3RD FLR	Gray/Tan Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
73B 040114665-0147	3RD FLR	Gray/Tan Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
74A 040114665-0148	EXT SOUTH SIDE	Gray/Tan Fibrous Heterogeneous	Crushed Teased	1% Cellulose	65% Non-fibrous (other)	30% Chrysotile
75A 040114665-0149	EXT SOUTH SIDE	Black/Brown Fibrous Heterogeneous	Teased Dissolved	80% Cellulose 1% Hair 5% Synthetic	14% Non-fibrous (other)	None Detected

**Analyst(s)**

Defores Beard (22)  
Scott Combs (273)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as "None Detected" should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NALAP nor any agency of the United States Government.  
Analysis performed by EMSL Westmont (NJ) Lab #1043-C, on 09/27/01

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westfield, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos	
				% Fibrous	% Non-Fibrous	% Type	
75B <small>040114685-0150</small>	EXT SOUTH SIDE	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	20% Cellulose 1% Synthetic	14% Non-fibrous (other)	65% Chrysotile	
76A <small>040114685-0151</small>	EXT ROOF	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected	
76B <small>040114685-0152</small>	EXT ROOF	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected	
77A <small>040114685-0153</small>	EXT ROOF	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	20% Cellulose 1% Synthetic	68% Non-fibrous (other)	10% Chrysotile	
77B <small>040114685-0154</small>	EXT ROOF						Not Analyzed
78A <small>040114685-0155</small>	EXT ROOF	Black/Brown/Silver Fibrous Heterogeneous	Teased Dissolved	10% Cellulose 1% Synthetic	69% Non-fibrous (other)	20% Chrysotile	
78B <small>040114685-0156</small>	EXT ROOF						Not Analyzed
79A <small>040114685-0157</small>	EXT ROOF	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	20% Cellulose 1% Synthetic	14% Non-fibrous (other)	65% Chrysotile	
79B <small>040114685-0158</small>	EXT ROOF						Not Analyzed

**Analyst(s)**

Delores Beard (22)

Scott Combs (273)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples that contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. The above test report relates only to the tests tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NMLAP nor any agency of the United States Government.  
Analysis performed by EMSL Westfield, NMLAP #101748-01 NY ELAP 1027

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
80A <i>040114685-0130</i>	1ST FLR WEST	Tan/Brown/Black Fibrous Heterogeneous	Teased Dissolved	40% Cellulose 1% Synthetic	14% Non-fibrous (other)	45% Chrysotile
80B <i>040114685-0160</i>	1ST FLR NORTH					Not Analyzed
81A TILE <i>040114685-0181</i>	1ST FLR SOUTH	Seige Fibrous Heterogeneous	Crushed Dissolved	8% Cellulose	92% Non-fibrous (other)	None Detected
81A MASTIC <i>040114685-0256</i>	1ST FLR SOUTH	Yellow/Tan Non-Fibrous Heterogeneous	Dissolved	2% Cellulose	95% Non-fibrous (other)	None Detected
81B TILE <i>040114685-0182</i>	1ST FLR NORTH	Brown/Tan Fibrous Heterogeneous	Crushed Dissolved	8% Cellulose	92% Non-fibrous (other)	None Detected
81B MASTIC <i>040114685-0257</i>	1ST FLR NORTH	Yellow/Tan Non-Fibrous Heterogeneous	Dissolved	2% Cellulose	98% Non-fibrous (other)	None Detected
82A <i>040114685-0183</i>	1ST FLR TO 2ND FLR	Gray/Brown Fibrous Heterogeneous	Teased	5% Cellulose 3% Glass	92% Non-fibrous (other)	None Detected
82B <i>040114685-0184</i>	1ST FLR TO 2ND FLR	Gray/Brown Fibrous Heterogeneous	Teased Dissolved	20% Cellulose 3% Glass	77% Non-fibrous (other)	None Detected
83A <i>040114685-0166</i>	1ST FLR	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a 5% PLM sample of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. This above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NLEAP nor an agency of the United States Government.  
 Analysis performed by EMSL Westmont (NLEAP #10045-01) NY FILE# 16572

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08168

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mcsey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467  
 Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01 J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM  
 EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
83B <small>040114685-0156</small>	2ND FLR	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
84A <small>040114685-0157</small>	1ST FLR NORTH	Gray Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
84B <small>040114685-0158</small>	2ND FLR SOUTH	Tan/Gray Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
85A <small>040114685-0159</small>	1ST FLR SOUTH SIDE	Gray/Tan/Gold Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 10% Synthetic	15% Non-fibrous (other)	None Detected
86A <small>040114685-0170</small>	1ST FLR NORTH SIDE	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
86B <small>040114685-0171</small>	1ST FLR NW	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
86C <small>040114685-0172</small>	1ST FLR WEST	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
86D <small>040114685-0173</small>	1ST FLR SE	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
86E <small>040114685-0174</small>	2ND FLR SE	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with IEL. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NALAP nor any agency of the United States Government.  
 Samples performed by EMSL Westmont, (NJ), AP #101048-01, NY ELAP 19572

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4060 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6311  
 Project: #ARRON-01 JG01/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
86F <small>040114685-0175</small>	2ND FLR SW	Gray Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
86G <small>040114685-0290</small>	2ND FLR EAST	Gray/Tan/Green Non-Fibrous Heterogeneous	Teased Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
87A <small>040114685-0178</small>	1ST FLR NE	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
87B <small>040114685-0177</small>	1ST FLR NW	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
87C <small>040114685-0173</small>	1ST FLR WEST	Gray/Tan/Brown Fibrous Heterogeneous	Crushed Teased	1% Cellulose 5% Hair	94% Non-fibrous (other)	None Detected
87D <small>040114685-0179</small>	1ST FLR SE	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
87E <small>040114685-0150</small>	2ND FLR SE	Gray/Tan/Yellow Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose 3% Glass <1% Hair	97% Non-fibrous (other)	None Detected
87F <small>040114685-0181</small>	2ND FLR SW	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected
87G <small>040114685-0182</small>	2ND FLR EAST	Gray/Tan/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose <1% Hair	100% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative Field results cannot be guaranteed. Samples returned as <1% or none detected should be tested with PLM. The above test report relates only to the tests listed. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement or NMLAP nor any agency of the United States Government.  
 Analysis performed by EMSL, Westmont, NJ (AP #11) NMLAP # NJ ELAP 10772

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave. Westmont, NJ 08103

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
88A 040114685-0163	LOADING DOCK	Gray/Tan/White Fibrous Heterogeneous	Crushed Teased	1% Cellulose	65% Non-fibrous (other)	30% Chrysotile
89A 040114685-0164	LOADING DOCK	Gray/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
89B 040114685-0165	LOADING DOCK	Black/Brown/Tan Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
90A 040114685-0166	LOADING DOCK	Gray/Brown/Green Fibrous Heterogeneous	Teased	97% Cellulose <1% Synthetic	3% Non-fibrous (other)	None Detected
90B 040114685-0167	LOADING DOCK	Gray/Brown/Green Fibrous Heterogeneous	Teased	97% Cellulose <1% Synthetic	2% Non-fibrous (other)	None Detected
91A 040114685-0168	BSMT CRAWL SPACE	Gray/Brown/Tan Fibrous Heterogeneous	Crushed Teased	1% Cellulose	69% Non-fibrous (other)	30% Chrysotile
91B 040114685-0169	BSMT CRAWL SPACE					Not Analyzed
92A 040114685-0190	EAST CRAWL SPACE	Gray/Tan/Brown Fibrous Heterogeneous	Teased	40% Cellulose 1% Glass	14% Non-fibrous (other)	45% Chrysotile
93A 040114685-0191	EAST CRAWL SPACE	Gray/Tan/Brown Fibrous Heterogeneous	Teased Dissolved	3% Cellulose	99% Non-fibrous (other)	20% Amosite 8% Chrysotile

Analyst(s)

DeLores Beard (22)

Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or 100% detected should be treated with care. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The analysis performed by EMSL, Westmont (NJ) AP #1C1048-01, NY E144-11673.

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>



**EMSL Analytical, Inc.**

107 Haddon Ave., Westmore, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 3046/  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
94A <small>040114685-0190</small>	LOADING DOCK	Gray/Brown/Green Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Glass	69% Non-fibrous (other)	None Detected
94B <small>040114685-0190</small>	LOADING DOCK	Gray/Brown/Green Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Glass	69% Non-fibrous (other)	None Detected
95A <small>040114685-0190</small>	2ND FLR SOUTH SIDE	Gray/Tan/White Fibrous Heterogeneous	Teased	15% Cellulose 1% Synthetic	14% Non-fibrous (other)	70% Chrysotile
96A <small>040114685-0190</small>	EXT ROOF	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected
96B <small>040114685-0190</small>	2ND FLR CENTER HOLE	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected
97A <small>040114685-0190</small>	EXT ROOF	Black/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
97B <small>040114685-0190</small>	2ND FLR CENTER HOLE	Black/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
98A <small>040114685-0190</small>	EXT ROOF	Black/Brown Fibrous Heterogeneous	Teased Dissolved	80% Cellulose 3% Hair 3% Synthetic	14% Non-fibrous (other)	None Detected
98B <small>040114685-0190</small>	2ND FLR CENTER HOLE	Black/Brown Fibrous Heterogeneous	Teased Dissolved	60% Cellulose 3% Hair 3% Synthetic	14% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)

Scott Combs (273)

Stephen Seigel CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with HEV. This above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVE AP or any agency of the United States Government.

Analysis performed by EMSL Westmore (NVE AP 3111025-01, NVE AP 10272)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467  
 Fax: (413) 732-3635 Phone: 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM  
 EMSL Order: C40114685  
 EMSL Project ID:  
 Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
99A 040114685-020	EXT ROOF	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 10% Glass	65% Non-fibrous (other)	20% Chrysotile
99B 040114685-0202	2ND FLR CENTER HOLE					Not Analyzed
100A 040114685-0203	2ND FLR WEST	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected
100B 040114685-0204	2ND FLR WEST	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	1% Cellulose 30% Glass	69% Non-fibrous (other)	None Detected
101A 040114685-0205	2ND FLR WEST	Black/Brown Fibrous Heterogeneous	Teased Dissolved	15% Cellulose 1% Synthetic	34% Non-fibrous (other)	50% Chrysotile
101B 040114685-0206	2ND FLR WEST					Not Analyzed
102A 040114685-0207	2ND FLR WEST	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
102B 040114685-0208	2ND FLR WEST	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
103A 040114685-0209	1ST FLR NORTH	Gray/Tan Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected

**Analys(s)**

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYS/AF nor any agency of the United States Government.  
 Analysis performed by EMSL, Westmont, NJ 08108, NY ELAP 10570

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiege@EMSL.com](mailto:ssiege@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

Fax: (413) 732-3635 Phone 413-732-6011

EMSL Order: 040114685  
 EMSL Project ID:

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
103B <small>040114685-0210</small>	2ND FLR SOUTH	Gray/Tan Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	100% Non-fibrous (other)	None Detected
104A <small>040114685-0211</small>	SHED (EXT)	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
104B <small>040114685-0212</small>	SHED (EXT)	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
105A <small>040114685-0213</small>	SHED (EXT)	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
105B <small>040114685-0214</small>	SHED (EXT)	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	None Detected
106A <small>040114685-0215</small>	PUMP HOUSE	Brown/Tan Non-Fibrous Homogeneous	Teased	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
106B <small>040114685-0216</small>	PUMP HOUSE	Black/Gray/Brown Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
107A <small>040114685-0217</small>	PUMP HOUSE	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
107B <small>040114685-0218</small>	PUMP HOUSE	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #IC1048-01, NY ELAP 10877)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: sstege@EMSL.com

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
108A 040114685-0219	METAL STORAGE BLDG #1	Tan/Brown/Gray Fibrous Heterogeneous	Teased	95% Cellulose 1% Glass	4% Non-fibrous (other)	None Detected
108B 040114685-0220	METAL STORAGE BLDG #1	Tan/Brown/Gray Fibrous Heterogeneous	Teased	95% Cellulose 1% Glass	4% Non-fibrous (other)	None Detected
109A 040114685-0221	OIL STORAGE TANK BLDG	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
109B 040114685-0222	OIL STORAGE TANK BLDG	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
110A 040114685-0223	STORAGE BLDG #2	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
110B 040114685-0224	STORAGE BLDG #2	Black/Brown/Gray Fibrous Heterogeneous	Teased Dissolved	45% Cellulose 1% Synthetic	54% Non-fibrous (other)	None Detected
111A 040114685-0225	STORAGE BLDG #2	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
111B 040114685-0226	STORAGE BLDG #2	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
112A 040114685-0227	STORAGE BLDG #2	Gray/Tan Fibrous Heterogeneous	Crushed Teased	1% Cellulose	69% Non-fibrous (other)	30% Chrysotile

**Analyst(s)**

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be justified. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NPLAP nor any agency of the United States Government.

Analysis performed by EMSL Westmont (NPLAP #1048-01, NPLAP 10272)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08168

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegal@EMSL.com](mailto:ssiegal@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3835 Phone: 413-732-6311  
 Project: #ARRON-J1-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
113A 040114685-0228	STORAGE BLDG #2	Tan/Gray Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
113B 040114685-0228	STORAGE BLDG #2	Tan/Gray Fibrous Heterogeneous	Teased	97% Cellulose	3% Non-fibrous (other)	None Detected
114A 040114685-0230	STORAGE BLDG #2	Tan/Brown Fibrous Heterogeneous	Teased Dissolved	1% Cellulose	94% Non-fibrous (other)	5% Chrysotile
114B 040114685-0221	STORAGE BLDG #2					Not Analyzed
115A 040114685-0232	STORAGE BLDG #2	Tan/Gray Non-Fibrous Heterogeneous	Crushed Dissolved	<1% Cellulose	98% Non-fibrous (other)	2% Chrysotile
115B 040114685-0233	STORAGE BLDG #2					Not Analyzed
116A 040114685-0234	STORAGE BLDG #2	Black/Brown/Copper Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	None Detected
116B 040114685-0230	STORAGE BLDG #2	Black/Brown/Copper Fibrous Heterogeneous	Teased Dissolved	30% Cellulose 1% Synthetic	69% Non-fibrous (other)	<1% Chrysotile
117A 040114685-0236	STORAGE BLDG #2	Gray/Tan Fibrous Heterogeneous	Teased	15% Cellulose 1% Synthetic	14% Non-fibrous (other)	70% Chrysotile

Analyst(s)

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #171046-G), NY ELAP 10E72

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Ath: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

Fax: (413) 732-3635 Pncne: 413-732-6011  
Project: #ARRCN-01 J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

EMSL Order: 040114685  
EMSL Project ID:  
Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
118A 040114685-0237	STORAGE BLDG #2	Gray/White Fibrous Heterogeneous	Teased Dissolved	1% Cellulose	65% Non-fibrous (other)	30% Chrysotile
119A 040114685-0238	STORAGE BLDG #2	Gray/Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose	25% Non-fibrous (other)	None Detected
119B 040114685-0239	STORAGE BLDG #2	Gray/Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose	25% Non-fibrous (other)	None Detected
120A 040114685-0240	STORAGE BLDG #2	Black/Brown Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
120B 040114685-0241	STORAGE BLDG #2	Black/Brown Fibrous Heterogeneous	Teased Dissolved	85% Cellulose 1% Synthetic	14% Non-fibrous (other)	None Detected
121A 040114685-0242	BOILER RM	Gray/White/Tan Fibrous Heterogeneous	Teased	1% Cellulose	69% Non-fibrous (other)	30% Chrysotile
122A 040114685-0243	BOILER RM	Gray/Tan/Brown Fibrous Heterogeneous	Teased	1% Cellulose	69% Non-fibrous (other)	25% Amosite 5% Crocidolite
123A 040114685-0244	BOILER RM	Tan/Brown Fibrous Heterogeneous	Teased	45% Cellulose 1% Synthetic	14% Non-fibrous (other)	40% Chrysotile
123B 040114685-0245	BOILER RM					Not Analyzed

**Analyst(s)**

Delores Beard (22)  
Scott Combs (273)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
Analysis performed by EMSL Westmont (NVLAP #101048-G, NY ELAP 10672)

PLM-1

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 258-4960 Email: ssiegel@EMSL.com

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011

Project: #ARRON-D1-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
124A 040114685-0245	BOILER RM	Tan/Gray/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose	100% Non-fibrous (other)	None Detected
124B 040114685-0247	BOILER RM	Tan/Gray/Brown Non-Fibrous Heterogeneous	Crushed Teased	<1% Cellulose	100% Non-fibrous (other)	None Detected
125A 040114685-0248	BOILER RM	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
125B 040114685-0249	BOILER RM	Black/Brown Fibrous Heterogeneous	Teased Dissolved	55% Cellulose 1% Synthetic	44% Non-fibrous (other)	None Detected
126A 040114685-0250	BOILER RM	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	<1% Chrysotile
126B 040114685-0251	BOILER RM	Black/Brown Fibrous Heterogeneous	Teased Dissolved	75% Cellulose 1% Synthetic	24% Non-fibrous (other)	<1% Chrysotile
127A 040114685-0252	BOILER RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
127B 040114685-0253	BOILER RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
127C 040114685-0254	BOILER RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. The above test report relates only to the samples tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. This above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
 Analysis performed by EMSL Westmont (NVLAP #101048-01, NY ELAP 10272)

PLM-1

**EMSL Analytical, Inc.**

107 Hudson Ave., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone 413-732-6011

Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
127D 040114685-0255	BOILER RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
127E 040114685-0256	BOILER RM	Gray/Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
128A 040114685-0257	TURBINE AREA	Brown/Tan/Gray Fibrous Heterogeneous	Crushed	<1% Cellulose 10% Fibrous (other)	90% Non-fibrous (other)	None Detected
128B 040114685-0258	TURBINE AREA	Brown/Tan/Gray Fibrous Heterogeneous	Crushed	<1% Cellulose 10% Fibrous (other)	90% Non-fibrous (other)	None Detected
129A 040114685-0259	TURBINE AREA	Gray Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
129B 040114685-0260	TURBINE AREA	Gray Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
130A 040114685-0261	TURBINE AREA	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
130B 040114685-0262	TURBINE AREA	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
131A 040114685-0263	TURBINE BLDG	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected

Analyst(s)

Delores Beard (22)  
Scott Combs (273)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items listed. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
Analysis performed by: EMSL Westmont (NVLAP #101048-01 NY ELAP 10672)

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.



**EMSL Analytical, Inc.**

107 Haddon Ave., Westmore, NJ 08108

Phone: (856) 858-4400 Fax: (856) 858-4960 Email: ssiegel@EMSL.com

Attn: Scott Mossey  
Forbes & Wheeler, Inc.  
P.O. Box 30467  
10 Ingraham Terrace  
Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone: 413-732-6011  
Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
AVE., MOOSUP, CT

Customer ID: FORB50  
Customer PO:  
Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
EMSL Project ID:

Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
131B 040114685-0264	TURBINE BLDG	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
131C 040114685-0265	TURBINE BLDG	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
131D 040114685-0268	TURBINE BLDG	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
131E 040114685-0267	TURBINE BLDG	Brown Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
132A 040114685-0268	WATER OUTLET AREA	Black Fibrous Heterogeneous	Crushed Dissolved	40% Glass	60% Non-fibrous (other)	None Detected
133A 040114685-0269	WATER OUTLET AREA	Black Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
134A 040114685-0270	WATER OUTLET AREA	Black Fibrous Homogeneous	Teased	30% Cellulose	55% Non-fibrous (other)	15% Chrysotile
135A 040114685-0271	WATER OUTLET AREA	Black Fibrous Homogeneous	Dissolved	40% Cellulose	60% Non-fibrous (other)	None Detected
135B 040114685-0299	WATER OUTLET AREA	Black Fibrous Homogeneous	Dissolved	45% Cellulose	55% Non-fibrous (other)	None Detected

## Analyst(s)

Delores Beard (22)

Scott Combs (273)

Stephen Siegel, CIH  
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.  
Analysis performed by EMSL Westmore (NVLAP #101043-0), NY ELAP 10872

PLM-1

This FAX was sent by EMSL Analytical, Inc. For more information, please visit <http://www.emsl.com>.

**EMSL Analytical, Inc.**

107 Haddon Ave., Westmord, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4960 Email: [ssiegel@EMSL.com](mailto:ssiegel@EMSL.com)

Attn: Scott Mossey  
 Forbes & Wheeler, Inc.  
 P.O. Box 30467  
 10 Ingraham Terrace  
 Springfield, MA 01103-0467

Fax: (413) 732-3635 Phone 413-732-6011  
 Project: #ARRON-01-J001/FORMER CADLE CO., BRUNSWICK  
 AVE., MOOSUP, CT

Customer ID: FORB50  
 Customer PO:  
 Received: 09/17/01 11:55 AM

EMSL Order: 040114685  
 EMSL Project ID:  
 Analysis Date: 9/27/01

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

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
136A 040114685-0272	WATER OUTLET AREA	Black Fibrous Homogeneous	Teased	30% Cellulose	55% Non-fibrous (other)	15% Chrysotile
P-1-01 040114685-0273	PILE #1	Black Fibrous Homogeneous	Dissolved	60% Cellulose	40% Non-fibrous (other)	None Detected
P-1-02 040114685-0274	PILE #1	Black Fibrous Heterogeneous	Crushed Dissolved	45% Glass	55% Non-fibrous (other)	None Detected
P-1-03 040114685-0275	PILE #1	Brown Fibrous Homogeneous	Teased	10% Cellulose	70% Non-fibrous (other)	20% Chrysotile
P-1-04 040114685-0276	PILE #1	Blue/White/Brown Fibrous Heterogeneous	Crushed		100% Non-fibrous (other)	None Detected
P-2-01 040114685-0277	PILE #2	Black Fibrous Heterogeneous	Crushed Dissolved	40% Glass	60% Non-fibrous (other)	None Detected
P-2-02 040114685-0278	PILE #2	Black Fibrous Homogeneous	Dissolved		85% Non-fibrous (other)	15% Chrysotile
P-2-03 040114685-0279	PILE #2	Gray Fibrous Homogeneous	Teased	100% Cellulose		None Detected

**Analyst(s)**

Delores Beard (22)  
 Scott Combs (273)

Stephen Siegel, CIH  
 or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as 0% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVE, AP nor any agency of the United States Government.  
 Analyzed performed by EMSL, Westmord (NVLAP #1C1048-01, NY ELAP 1657)

PLM-1

## **Appendix B**

### **Accreditations and Certifications**



...the employee's sign is for persons who must  
demand all a copy of his state's certification in order  
to act on a high level of privilege. The copy of  
this card is to be retained in the employee's file and its  
return as a part of your personnel file. Only one copy  
of this card can be supplied to you.

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS LICENSED  
BY THIS DEPARTMENT AS A

**ASBESTOS CONSULTANT-INSPECTOR**

**SCOTT M. MOSSEY**

LICENSE NO.  
000371  
CURRENT THROUGH  
04/30/02  
VALIDATION NO.  
01-530028

*Scott M. Mossey*  
SCOTT M. MOSSEY

EMPLOYEE ID CARD

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**SCOTT M. MOSSEY**

VALIDATION NO.  
01-530028

LICENSE NO.  
000371

CURRENT THROUGH  
04/30/02

PROFESSION  
**ASBESTOS CONSULTANT-INSPECTOR**

*Scott M. Mossey*

WALLET CARD

**STATE OF CONNECTICUT**  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**SCOTT M. MOSSEY**

VALIDATION NO.  
01-530028

LICENSE NO.  
000371

CURRENT THROUGH  
04/30/02

PROFESSION  
**ASBESTOS CONSULTANT-INSPECTOR**

*Scott M. Mossey*



# Certificate of Training

*Awarded to*

**SCOTT MOSSEY**

**040-82-2157 (DOB 04/07/1970)**

*For successful completion of a 4 Hour, 1/2 Day*

**Asbestos Building Inspector  
Annual Refresher Training**

**MAY 18, 2001**

This training was approved and given in accordance with the Department of Health Standards established pursuant to section 19a-332-23 of the Connecticut General Statutes and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

*Presented by*

**Mystic Air Quality Consultants, Inc.**

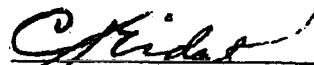
**1204 North Road, Groton, CT 06340 (800) 247-7746**

Certificate Number: ABIRF8232

Exam Grade: 100%

Expiration Date: 05/18/2002

Exam Date: 05/18/2001



**Christopher J. Eident, CIH, CSP, RS**



**George Williamson, Training Director**



**Appendix C**  
**Field Mark-up Drawing**

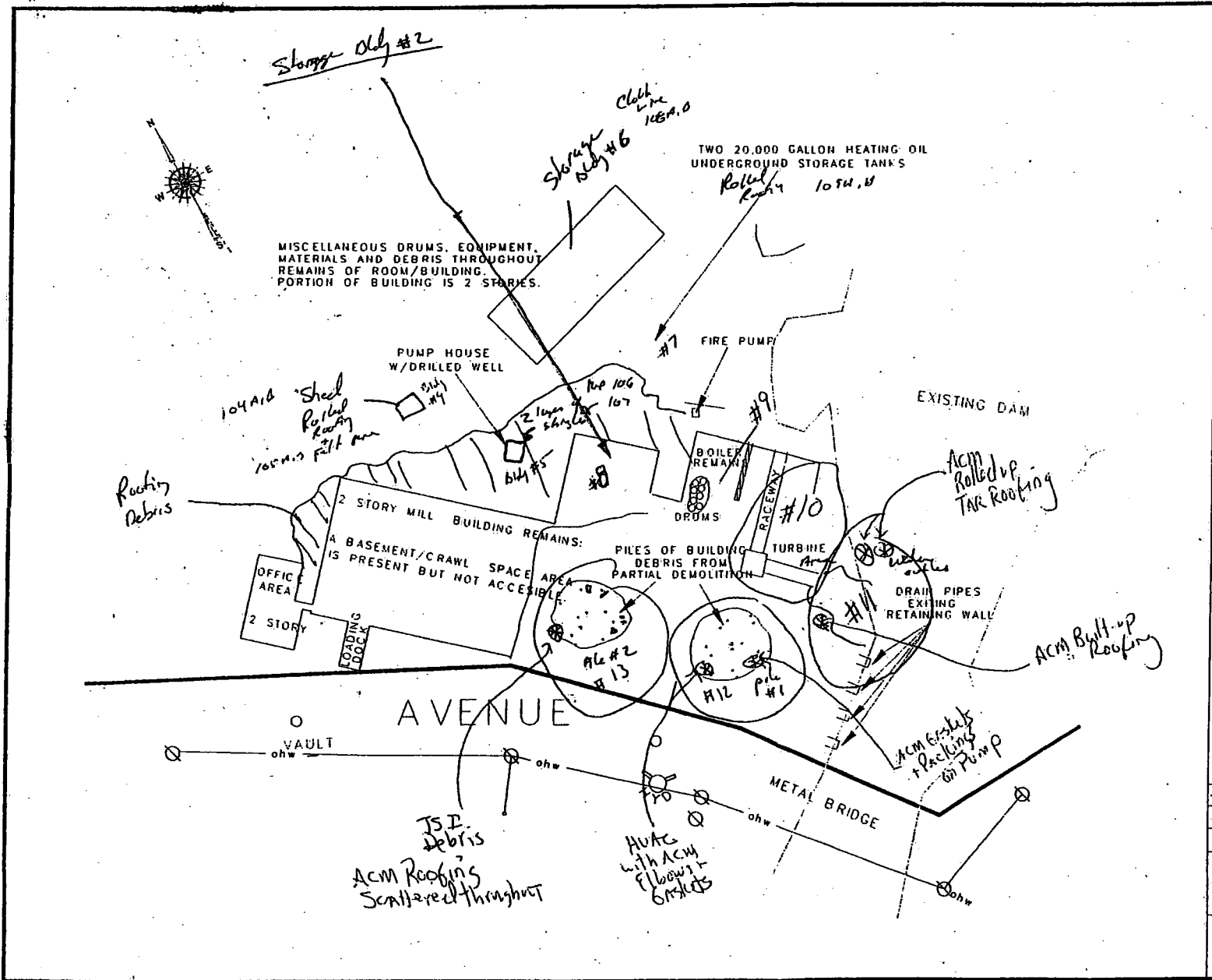


FIGURE 4  
BRUNSWICK MILL BUILDING

57-59 & 65  
BRUNSWICK AVENUE  
MOOSUP (PLAINFIELD), CT

LEGEND

Appendix C

PROJECT NO.: 2672

FILE NAME: MOOSUP BASE NAP

1 OF 1 SHEETS

DATE	REVISIONS
5/4/01	

SCALE:

DRAWN BY:

CHECKED BY:

835 SO. MAIN  
WATERBURY, CT  
(203) 753-2525

AARON ENVIRONMENTAL