

**Town of Windsor
29 Union Street
Windsor, Vermont 05089**

Asbestos Abatement Specification

For:

Removal of Asbestos Containing Materials 139 Etta Frasier Drive, Windsor, Vermont

Pre bid Walk through: **January 15, 2014 Time: 11:00 AM**

Proposals Due: **January 24, 2014 Time: 4:00 PM**

Prepared by:
Peter Schuyler VT Asbestos Project Designer PD018118



P.O. Box 787
368 Avenue D, Suite 15
Williston, VT 05495
(802) 383-0486

SECTION A

GENERAL

Unless specified otherwise the term "Owner" shall mean Town of Windsor, 29 Union Street, Windsor, VT. Unless otherwise specified "Owner's Representative" or "independent asbestos consultant" shall mean KAS, Inc., Williston, VT. Unless otherwise specified Contractor shall mean the asbestos abatement contractor. Unless otherwise specified General Contractor shall be used to designate the contractor responsible for the overall project.

1. PRE-BID: A pre-bid inspection of the work site will be conducted on **01/15/2014** at 11:00 AM.

Bidders shall meet at 11:00 AM at 139 Etta Frasier Drive, Windsor, VT to start the walk through. The pre-bid inspection is mandatory and those not attending may not bid. **Amounts of asbestos containing materials shown in asbestos inspection reports contained in Section D are estimates; however, the Contractor shall verify the amounts and shall be responsible for removal of all asbestos containing materials associated with the site.**

2. TERMINATION FOR DEFAULT: The contract shall be terminated if Contractor does not perform satisfactorily. Satisfactory performance shall be defined as compliance with all provisions of VOSHA (Standard 29 CFR 1926.1101), EPA 40 CFR Part 61 National Emissions Standards for Hazardous Air Pollutants, Asbestos, Vermont Regulations for Asbestos Control, V.S.A. Title 18, Chapter 26 and the terms and conditions of this Document.
3. MODIFICATIONS: Any modification to this Contract shall be in writing and shall be signed by an authorized agent of both parties. No modifications shall be made to this Contract without prior approval of the Owner. Any work conducted out of Contract scope before a fully executed modification shall be totally at Contractor's risk and will not be subject to payment for such efforts if the modification is not approved or is approved different than the work that was actually performed.
4. INSURANCE: The Contractor presenting a successful proposal shall have the required insurance coverage, with the below entities as additionally named insureds on said insurance policies that contain the required coverages, which provide that additionally named insureds must be given notice before said policies are cancelled. Proof of adequate insurance coverage must be provided to Owner within 24 Hours of notification of contract award. Minimum insurance coverage's are listed in the following sub paragraphs.

Town of Windsor
29 Union Street
Windsor, Vermont 05089

- 4.1-\$1,000,000.00 General Liability Insurance per Occurrence. \$3,000,000.00 aggregate coverage arising out of asbestos related activities.
- 4.2-Workers' Compensation per Vermont statute.
- 4.3-\$1,000,000.00 Vehicle Liability for all vehicles including hired and non-hired and non-owned vehicles.
- 4.4-Policy effective dates must be current and effective through the anticipated period of performance. If not already carrying the required insurance coverage, a signed statement of ability to obtain mandatory levels for the project must accompany the proposal at the time it is

submitted.

5. GOVERNING LAWS: Contractor shall be governed by the laws of the State of Vermont and all pertinent federal and local laws and regulations, including all such laws and regulations pertaining to asbestos abatement as well as health and safety in the workplace.
6. ASSIGNABILITY: The Contractor and services to be provided hereunder shall not be assigned or subcontracted without written prior approval of Owner.
7. PAYMENT: Contractor shall submit invoices in appropriate form after all work has been completed, inspected, and accepted by Owner personnel or their representative. If the project exceeds thirty days in duration monthly progress billing may be submitted for payment. If monthly progress billing is submitted the Owner retains the sole right to determine if the billing is properly justified and the sole right to reject any monthly progress bill it does not deem adequately justified. In any case billing shall not occur more often than one time per month.
8. HOLIDAYS: The Contractor will not be authorized to work on following holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.
9. NON-DISCRIMINATION: Contractor shall not discriminate against any employee or employment application on the basis of race, sex, age, religion, national origin, ethnic heritage, or disability.
10. EQUAL EMPLOYMENT OPPORTUNITY: Owner is an Equal Opportunity employer.
11. DRUG FREE WORK PLACE: Contractor shall abide by all laws and regulations pertaining to alcohol and drug use. Owner maintains and requires drug-free work sites.
12. QUALIFICATION OF BIDDERS: All prospective Bidders are hereby notified that they must be able to prove to the satisfaction of the Owner that they have the skill and experience, as well as the necessary facilities, ample financial resources, organization and general reliability to do the work to be performed under the provisions of this contract in a satisfactory manner and within the time specified. The Bidder must also be prepared to prove, to the satisfaction of the Owner that it has successfully completed a contract of similar amount of its total bid. The Bidder shall include as part of the bid submittal a list of three (3) references for recent similar work successfully completed. References shall include a point-of-contact and phone number.
13. LIQUIDATED DAMAGES: Not applicable.
14. CONTRACT: The winning Contractor must be willing to accept and sign a standard Owner contract within five (5) days of contract award. Failure to do so may cause cancellation of the award and award to a different Bidder.
15. REJECTION OF BIDS: The Owner reserves the right to reject any one or all of the bids at its sole discretion.
16. BONDING: Not required.
17. PREVAILING WAGES: The Davis Bacon Wage Act does not apply to this contract.
18. LOCAL REQUIREMENTS: The Contractor must comply with all local requirements. It is Contractor responsibility to determine what requirements apply and to follow them.

SECTION B

ADMINISTRATIVE

1. Three (3) copies of the proposal shall be forwarded to the following address in a sealed envelope that shall be marked "**Bid Document – 139 Etta Drive Asbestos Abatement**", under your return address:

**Mr. Tom Marsh
Town of Windsor
29 Union Street
Windsor, Vermont 05089**

AN ORIGINAL SIGNED AND SEALED BID MUST BE SENT BY CARRIER OR HAND DELIVERED TO THE ABOVE ADDRESS NO LATER THAN **JANUARY 24, 2014 at 4:00 PM**. BONDS ARE NOT REQUIRED.

Bids received after the above date or time will not be considered.

2. The Bid Proposal Certification form of Section F shall be completed and submitted as part of the Proposal.
3. This project is subject to the requirements contained in Section G of this specification.
4. Point of Contact:

**Thomas Kennedy
Southern Windsor County Regional Planning Commission
P.O. Box 320
Ascutney, VT 05089
(802) 674-9201
Email: tkennedy@swcrpc.org**

SECTION C
SPECIFICATIONS
FOR
REMOVAL OF ASBESTOS CONTAINING MATERIALS

These specifications consist of the various parts and provisions listed in the index below, and all referenced publications and schedules.

INDEX

SECTION	TITLE
1.1	GENERAL REQUIREMENTS
1.2	ASBESTOS REMOVAL

SECTION 1.1

GENERAL REQUIREMENTS

1. **SCOPE:** Supply all parts, labor, equipment, appliances and materials, and perform all operations required to furnish a complete job in strict accordance with this specification, and subject to the terms and provisions of this contract. All references in the contract documents to any trade Contractor shall be deemed to be a reference to the Contractor. This is a single bid general construction project; the Contractor is responsible for all work including visual and air monitoring project clearance, however; a separate price is required for required visual and air project clearances as Owner may choose to contract this directly.
2. **LOCATION:** All work in this project is to be performed at 139 Etta Frasier Drive, Windsor, VT 05089. See Section E for Site Location Map.
3. **DESCRIPTION OF WORK:** The following outline of the principal features of work does not in any way limit the responsibility of the Contractor to perform all work and furnish all materials required to do a complete job, within the intent and scope of the plans and specifications. Damage to facilitate abatement will be repaired at Contractor's expense. General work requirements include:
 - 3.1 Removal and disposal of all asbestos containing materials (ACMs) identified in the asbestos inspection reports included in Section D from the facilities. The asbestos containing materials consist of:
 1. Air Cell Pipe insulation/ mudded fittings and debris in basement ~350 linear feet
 2. Sheet flooring in first floor pantry and mastic ~8 square feet
 3. Window glaze – all windows that have glaze
 4. Fake brick siding -5000 square feet
 5. Roofing tar collapsed section at northeast building corner ~100 square feet
 6. Vermiculite insulation partially collapsed shed attached to south center of building ~200 square feet and debris
 7. Boiler jacket insulation in basement ~40 square feet
 8. The eastern most end of building was unsafe to inspect and is assumed it contains some asbestos containing materials. Contractor shall have on site a person that is qualified to identify suspect ACM during demolition of this portion of the building. Suspect ACM shall be removed in accordance with applicable regulations.
4. **EXECUTION, CONDUCT OF WORK, SCHEDULE:** The area of abatement of the facility will not be occupied during the abatement project. Work can generally be conducted between the hours of 6:00 AM to 6:00 PM Monday through Friday. Work at other times must be coordinated with Owner or Owner's Representative in advance. The abatement contractor shall be responsible for obtaining a consultant to perform required visual and air clearances associated with the project. Unsatisfactory air monitoring results may result in project shutdown at Contractor's expense until procedures are changed to achieve satisfactory air monitoring results.

ANTICIPATED PROJECT SCHEDULE

RFQ ISSUED (This document)	1/8/2014
BIDDER WALK THROUGH	1/15/2014
BID DUE	1/24/2014
CONTRACTOR SELECTION	1/30/2014
NOTICE TO PROCEED	2/14/2014
ON-SITE WORK START (EARLIEST)	2/14/2014
REMOVAL OF ALL CONTRACTOR EQUIPMENT AND ASBESTOS WASTE, JOB COMPLETION (LATEST)	4/30/2014

The entire building will be available for abatement at the same time

5. **FIELD MEETINGS:** Periodic job meetings may be scheduled by the Owner's representative during the course of construction. The Contractor upon the request of the Owner's representative shall attend such meetings and be prepared to furnish answers to questions on progress, workmanship, or any other subject which the Owner might reasonably require information.
6. **MATERIALS STORAGE:** The Contractor shall furnish, and deliver to the site, all materials and equipment necessary to complete the work. Contractor shall furnish all labor required for loading and unloading of materials. All waste materials shall be stored in a neat and orderly manner and shall be locked and secured against public access. Security for stored equipment and materials shall be the responsibility of the Contractor.
7. **UTILITIES:** Electricity and water **are not** available at this site and the Contractor is responsible for obtaining them in sufficient quantity to properly conduct the abatement contract and also for the Asbestos Consultant who will perform clearance sampling.
8. **SANITARY FACILITIES:** The Contractor shall supply temporary sanitary facilities. No water or asbestos waste shall be discharged to any of the sanitary facilities, drains, sinks, etc. of the building. Drains in work areas shall be blocked to prevent water from entering them.
9. **HEATING FACILITIES:** Proper heating of storage areas and areas of abatement are the responsibilities of the Contractor. The fuel, equipment, materials, operating personnel, and methods used therefore shall at all times be satisfactory to the Owner and be adequate for the purpose intended.
10. **CLEAN-UP:** The Contractor shall at all times during the progress of the work keep the site free from the accumulation of waste matter or rubbish generated during the abatement process. Cleaning of the work areas and the removal of rubbish must be performed daily. Upon completion of all work, the Contractor shall remove from the vicinity of the work and from the property owned or occupied by the Owner, all rubbish, asbestos waste, demolition waste, and other materials belonging to the Contractor or used under the Contractor's direction during construction or impairing the use or appearance of the property and, in the event of the Contractor's failure to do so, the same shall be conducted by the Owner at the expense of the Contractor and the Contractor's price shall be reduced by the cost of doing so.
11. **SUPERVISION:** The Contractor is required to maintain continuous supervision throughout the contract. It is required that the on-site supervisor be able to speak English at all times while the project is in progress.
12. **CONSTRUCTION AIDS-SCAFFOLDING:** The Contractor shall provide all scaffolding and/or staging as necessary to accomplish the work of this Contract. The type, erection, and use of all scaffolding shall comply with the applicable VOSHA provisions.
13. **CONSTRUCTION PARKING AND STAGING:** Limited parking is available in the on-site. On-site parking will be at no cost for the Contractor and its employees and shall be restricted to designated areas. The Contractor shall keep access routes and parking areas used for the work clean of debris and other obstructions resulting from the work. The Contractor (at the Contractor's expense) is permitted to place its trailer/field office and stage equipment on the facility grounds if space is available. The Contractor shall provide all facilities for his/her own use, such as office equipment, telephone, heat, etc. at the Contractor's expense. The Contractor is solely responsible for the security of all of its tools, equipment, supplies, etc. The Contractor is responsible for obtaining parking off-site if on-site parking on site is insufficient.
14. **EXISTING STRUCTURES, VEGETATION AND UTILITIES:** The Contractor during the course of work, shall not damage any building exteriors, structures and utilities, public or private, including poles, signs, services to buildings, utilities in the street such as gas pipes, water pipes, hydrants, storm

sewers sanitary sewers, drains, and electric power and lighting and telephone cables, and, pavements, and other improvements except as is necessary to conduct the required asbestos abatement. Incidental damage resulting from the Contractor's operations need not be repaired.

15. SUBMITTALS: Within three (3) working days from the receipt of the Notice to Proceed the Contractor shall submit to KAS and the Owner:

- 15.1 A copy of a Submittal Schedule indicating, among other information, the schedule for submitting all required submittals as indicated below:
 - 15.1.1 A Project Schedule which contains the following:
 - 15.1.1.1 Reference to the applicable paragraph in the contract specifications that required the submittal.
 - 15.1.1.2 Date the Contractor proposes to furnish the submittals
 - 15.1.1.3 Date that approval is desired by the Contractor to effect timely delivery of orders.
 - 15.1.1.4 Dates of items that are needed at job site.
 - 15.1.1.5 Dates by which Contractor needs concurrent action on those features which he has designated to vary from contract requirements.
 - 15.1.1.6 Executed Forms contained in Section G.
- 15.2 List of Submittals: (Submissions required by the specifications shall be made, regardless of whether or not they are listed in this schedule. This listing is given to aid the Contractor and is not considered all inclusive.

SPEC PARA NUMBER

Sect. A, 4. Insurance Certificate

SPEC PARA NUMBER

Sect. A. 12.	Three (3) References (with bid form)
Sect. C. Sect. 1.1, 15.1	Submittal Schedule
Sect. 1.2. 2.	Building Permit
Sect. C. Sect. 1.2.3.	Notification to EPA and to VTDOH, Copy (if required)
Sect. C. Sect. 1.2.4.	Abatement/Demolition Work Plan
Sect. C. Sect. 1.2.5.	Material Safety Data Sheets (MSDS)
Sect. C. Sect. 1.2.6.	Project Supervisor's Name and Certifications
Sect. C. Sect. 1.2.7.	Worker's Acknowledgments
Sect. C. Sect. 1.2.8.	Asbestos Waste Manifest (not later than 35 days following project completion)
Sect. C. Sect. 1.2.9.	Copy Daily Logs and Entry/Exit Logs (no later than 5 days following Project completion)
Sect. C. Sect. 1.2.10.	Abatement Firm Entity License, Asbestos Handling Certificates and Training Certificates
Sect. C. Sect. 1.2.11.	Order of Work

- 15.3 Coordinate each submittal with the requirements of work and the requirements of Contract Documents,
- 15.4 Contractor's responsibility for errors and omissions in submittals shall not be relieved by the Owner's review of submittals.
- 15.5 Contractor's responsibility for deviation in submittals from Contract Documents requirements is not relieved by KAS or the Owner's review of submittals.
- 15.6 Do not begin work which requires submittals without obtaining the Owner's or Owner's representative prior approval.
- 15.7 All submittals pertinent to construction and equipment shall be approved by KAS or the Owner prior to incorporation of subject items in the work. Any materials and equipment and/or construction incorporated into the work, without written approval of a required submittal by the Owner shall be at the Contractor's risk and replacement of disapproved materials and equipment

shall be the sole responsibility of the Contractor.

15.8 After a submittal has been delivered to the KAS or the Owner, re-submittal for substitution of materials or equipment will not be considered unless accompanied by an explanation acceptable to KAS or the Owner.

- 16. SAFETY:** The Contractor shall provide the necessary safeguards to prevent accidents, to avoid all necessary hazards and protect the public, employees, and property at all times, including Saturdays, Sundays and holidays and other times when no work is being conducted. The Contractor shall maintain and remove appropriate barriers or other devices as required by the condition of the work for the protection of users of the project area, the protection of work being done or the containment of dust and debris. All such barriers or devices shall be provided in conformance with all applicable codes, laws and regulations, including VOSHA and National Fire Protection Association 241, for safeguarding structures during construction.
- 17. ACCESS TO WORK AREAS:** At least twenty-four (24) hours prior to the start of work, the Contractor will provide KAS and the Owner a list of employees working on the project, the name and 24 hour telephone number of the overall supervisor of the job site and a list of vehicles (make, model, license plate number) that will be entering the site.
- 18. BONDING:** Not required.

Section 1.2

ASBESTOS REMOVAL

1. **OVERVIEW:** The work areas are described as follows.
 - A. The work area includes the areas where asbestos containing materials have been identified as described in this specification. The Contractor will be required to comply with all federal, state and local rules, laws and regulations pertaining to the removal and disposal of ACM.
 - B. **MISCELLANEOUS**
 1. **BUILDING LAYOUTS:** Building layouts are shown in the Asbestos Inspections Reports contained in Section D.
 2. **BUILDING PERMITS:** Permits from Windsor, VT may be required. It is the Contractor's responsibility to identify and obtain required permits. Associated costs must be included in the bid price.
 3. **PROJECT NOTIFICATIONS:** Required pre-abatement notifications to the USEPA and the State of Vermont must be made at least ten (10) working days in advance of asbestos abatement project start depending upon the amount and type of asbestos containing materials present. Appropriate waiting periods must be observed before start of work. Copies of notifications must be submitted to KAS and the Owner prior to start of work. All project fees are the responsibility of the Contractor.
 4. **ABATEMENT WORK PLAN:** Provide plans which clearly indicate all work areas (numbered sequentially) including the locations and types of all decontamination chambers, entrances and exits to the work area, type of abatement activity/technique, number and location of negative air units and exhaust points including calculations, and the proposed location and construction of storage facilities and field office.
 5. **MATERIAL SAFETY DATA SHEETS (MSDS):** Submit copies of MSDSs for each chemical used on the project (encapsulant, surfactant, spray adhesive, etc.).
 6. **PROJECT SUPERVISOR:** Submit the resume of the proposed English speaking Project Supervisor.
 7. **WORKER'S ACKNOWLEDGMENTS:** Submit statements signed by each employee that the employee has received training in the proper handling of ACM: understands the health implications and risks involved; and understands the use and limitations of the respiratory equipment to be used.
 8. **ASBESTOS WASTE DISPOSAL:** Containers of asbestos waste generated by abatement activity must be secured during the period of abatement activity and should not accumulate to significant amounts. Shipments of waste must be documented in accordance with regulations with copies of said documents submitted to the Owner as shipments occur. Final payment of invoices may not occur until all waste documents have been submitted.
 9. **PROJECT LOGS:** Daily activity logs and work area entrance/exit logs will be maintained on-site and will be provided to the Owner at the conclusion of the project.
 10. **ASBESTOS HANDLING LICENSES AND MEDICAL CERTIFICATIONS:** The Contractor and any Subcontractors directly involved with asbestos abatement must possess a current State of Vermont asbestos abatement entity license and all workers must possess current State of Vermont abatement supervisor or worker handling certificates. Copies of the asbestos abatement firm's entity license, all worker supervisors' handling certificates, and each site workers' medical certifications (to include proof of respirator fit-testing) must be provided to KAS and the Owner prior to the start of the work. 139 Etta Frasier Driver, Windsor Project

11. **ORDER OF WORK:** Work on this project will commence in the order provided to the Contractor by the Owner. Project phasing will be discussed at the pre-bid walkthrough.

SECTION D

ASBESTOS INSPECTIONS

BUILDING SUMMARY FORM AND PLANS INDEX

Asbestos Inspection Report 139 Etta Frasier Drive prepared by KAS, Inc., 368 Avenue D, Suite 15, Williston, VT (attached)

Asbestos Inspection Quantity Summary

1. The summaries of asbestos containing materials are included in the asbestos inspection reports attached. These summaries are provided for informational purposes only and neither Owner nor the consultant that prepared this specification is responsible for its accuracy. Each Bidder shall, to their own satisfaction, verify the accuracy of this summary in both quantity and location and accept responsibility for determining the total quantity and location of asbestos containing materials to be removed. The entire inspection reports have been attached.

ASBESTOS INSPECTION REPORT

139 ETTA FRAISER DRIVE
WINDSOR, VERMONT 05089

OCTOBER 13, 2013

Prepared for:

TOWN OF WINDSOR VERMONT
29 UNION STREET
WINDSOR, VERMONT 05089



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1. INSPECTION SUMMARY

One significantly damaged three story house located at 139 Etta Fraiser Drive, Windsor, VT was inspected for the presence of asbestos containing materials (ACMs) on September 24, 2013. The house located at this site is abandoned and is in very poor repair with portions structurally unsafe to enter. The inspection was a predemolition inspection conducted to fulfill US EPA NESHAPS requirements in accordance with 40 CFR Part 61 Subpart M and State of Vermont asbestos requirements in accordance with V.S.A. Title 18, Chapter 26. The inspection/sampling included obtaining bulk samples from suspect materials inside and outside the house. The house was adequately accessible for inspection except for the interior of the easternmost section which was deemed unsafe to enter.

A copy of this inspection report should be kept on site during demolition activities.

Table 1, located on page 4, summarizes the inspection results.

2. INSPECTION METHODS

This asbestos site inspection was conducted by an EPA accredited, State of Vermont certified, Asbestos Inspector/ Management Planner and an EPA accredited, State of Vermont certified, Asbestos Inspector in accordance with generally accepted procedures. Bulk sample analysis was conducted by State of Vermont certified analysts at EMSL Analytical, Inc. of Cinnaminson, NJ.

Several ACMs have been identified in the area inspected; exterior fake brick siding, exterior roofing tar, basement boiler jacket, basement heating pipe insulation, window glaze and one small piece of sheet flooring.

The asbestos inspection consisted of a visual and physical inspection. The entire interior and exterior of the house was inspected with the reservation the easternmost section of the house could not be entered safely. Destructive inspections were performed. In accordance with the work scope for this project, bulk samples were collected and analyzed from each suspect material. Bulk samples of suspect ACM were analyzed for asbestos content using PLM methods.

3. VERMONT REGULATIONS FOR ASBESTOS CONTROL (VRAC)

The Vermont Regulations for Asbestos Control, as authorized by 18 VSA Chapter 26, detail the procedures, regulations, certifications and licenses required when disturbance of asbestos containing materials occurs in the State of Vermont. In essence, any company, individual or organization that disturbs asbestos containing materials or provides asbestos consulting or laboratory services must be certified by the State of Vermont. Personnel who conducted the inspection, bulk sample collections and laboratory analysis were properly certified by the State of Vermont and also possess



current EPA approved training in asbestos site inspections and asbestos laboratory analysis.

4. CERTIFICATION/ACCREDITATION

Inspection Location: 139 Etta Fraiser Drive, Windsor, VT

Inspection Date: September 24, 2013

Buildings Inspected: residence

Inspector Certification/Accreditation:

The personnel who conducted the inspection/bulk sampling of the facilities hold the following Certification/Accreditation program requirements:

Inspector:

Peter Schuyler: Vermont Asbestos Inspector/ Management Planner – MP014292

Signature:

Amy King: Vermont Asbestos Inspector – AI097744

Signature:

Corporate and inspector licenses and certifications are contained in Appendix 1.

Asbestos bulk samples have been analyzed by Chelsey Bilhear VT Cert PB812017, Paul McLaughlin VT Cert PB111887 and Erica Valent VT Cert PB647790 of EMSL Analytical, Inc., Cinnaminson, NJ.

5. INSPECTION RESULTS

Building material sample locations and specific results of the sampling and analysis and visual inspection are contained in Table 1 and Appendices 2 and 3. A total of 116 bulk sampled materials were analyzed from 31 homogeneous areas.



Several ACMs have been identified in the areas inspected; exterior fake brick siding, exterior roofing tar, basement boiler jacket, basement heating pipe insulation, window glaze and one small piece of sheet flooring.

The section of the house that could not be entered had an adequate exterior inspection; the fake brick siding, window glaze and roofing tar on that section are ACM. It is assumed that the interior of this section is similar if not the same in materials present as the section of the house that could be inspected. However suspect asbestos containing materials in this section must be considered asbestos containing unless sampled, analyzed and found to be asbestos free.

There is reasonable confidence that the ACMs associated with the site have been identified in the section inspected. During demolition if hidden spaces are opened and suspect materials are observed in the section not inspected work must stop until the materials are sampled and proven not to be asbestos containing.

6. OBSERVATIONS AND RECOMMENDATIONS

Building Comments:

The location inspected contained a two story wood frame former residence with one portion three stories estimated visually to be about 12,000 square feet excluding a basement under most of the residence. From appearances it was likely built in the 1800's or early 1900's. The house was severely damaged with the easternmost section not structurally safe to enter (about 2700 square feet). The roof on the house was severely compromised, leaking badly and collapsed in several areas. An apparent addition on the northeast corner had collapsed into a rubble pile; it looked to have been originally one story open storage shed. All utilities were disconnected.

A sketch of the site is contained in Appendix 3.

Recommendations:

The ACMs identified must be properly removed prior to general demolition.

Demolition of the section of the house that could not be entered should occur to a formal demolition design that takes into account the prospect of ACM being present. This design is currently being prepared and will be separately provided.

In the event that a material suspect as asbestos containing is uncovered during the demolition from a hidden space or in the area that could not be inspected or was not detected during the inspection it should be left undisturbed until tested and proven to be asbestos free.

Predemolition asbestos notifications must be filed with EPA Region 1 and the State of Vermont at least 10 working days in advance of any demolition efforts.



TABLE 1 – INSPECTION RESULTS SUMMARY
139 Etta Fraiser Drive, Windsor, Vermont

HA/SAMPLE # LOCATION	MATERIAL	ANALYTICAL RESULTS	QUANTITY/ CONDITION
1/139-1,-2 Basement boiler	boiler jacket insulation	20% Chrysotile	~40 sf/ SD
2/139-3,-4 Basement boiler	boiler door packing	NAD, not ACM	~2 sf/ SD
3/139-5,-6,-7,-8,-9, -10,-11 Exterior siding	1'x3' fake brick siding	5% Chrysotile	~5000 sf/ D
4/139-12,-13,-14,-15,-16 Exterior under clapboard rear of house	tar paper	NAD, not ACM	~2000 sf/ D
5/139-17,-18,-19 Rear damaged roofing onground	roofing tar	10% Chrysotile	~100 sf/ SD
6/139-20,-21,-22 Rear damaged roofing onground	shingles - black	NAD, not ACM	>100 sf/ SD
7/139-23,-24,-25,-40 -41 Exposed rear section	sheetrock	NAD, not ACM	~700 sf/ SD
8/139-26,-27,-28,-29,-30 Roof and on ground	green shingles	NAD, not ACM	~4000 sf/ SD
9/139-31,-32 2 nd flr closet	linoleum/ blue-yellow	NAD, not ACM	~6 sf/ SD
10/139-33,-34,-35 2 nd flr hall	linoleum - red	NAD, not ACM	~200 sf/ SD
11/139-36,-37 2 nd flr side rm closet	9"x9" flr tile – tan brown specs	NAD, not ACM	~9 sf/ D
12/139-38,-39 2 nd flr front small rm	linoleum – gray multicolor	NAD, not ACM	~80 sf/ SD
13/139-42,-43 2 nd flr bath	linoleum – gray with tan	NAD, not ACM	~150 sf/ SD
14/139-44,-45,-46,-47, -48,-49,-50,-51,-52 Throughout house	plaster	NAD, not ACM	~6000 sf/ SD
14A/139-53,-54,-55,-59 Windows	glaze	2% Chrysotile	~10 sf/ SD



TABLE 1 – INSPECTION RESULTS SUMMARY
139 Etta Fraiser Drive, Windsor, Vermont

HA/SAMPLE # LOCATION	MATERIAL	ANALYTICAL RESULTS	QUANTITY/ CONDITION
15/139-56,-57,-58 3 rd flr hall	sheet flooring - beige	NAD, not ACM	~90 sf/ SD
16/139-60,-61,-62 3 rd flr against roof and loose on floor (debris)	blown in insulation	NAD, not ACM	~1500 sf/ SD
17/139-63,-64,-65 3 rd flr bedroom 1	2 layers flooring	NAD, not ACM	~100 sf/ D
18/139-66,-67 3 rd flr bath	gray flr tile/ mastic	NAD, not ACM	~15 sf/ D
19/139-68,-69 3 rd flr bath	cove molding/ mastic	NAD, not ACM	~10 lf/ D
20/139-70,-71,-72 3 rd flr bedroom 2	sheet flooring brown/ black	NAD, not ACM	~100 sf/ SD
21/139-73,-74 3 rd flr bedroom 2 closet	sheet flooring – tan/multicolor	NAD, not ACM	~8 sf/ SD
21A/139-75,-76,-77 1 st flr kitchen area	textured paint	NAD, not ACM	~200 sf/ SD
22/139-78,-79,-80 1 st flr living rm 1	2'x4' ceiling tile	NAD, not ACM	~100 sf/ SD
23/139-81,-82 1 st flr closet under stairs	sheet flooring white w/ black	NAD, not ACM	~10 sf/ D
24/139-83,-84 1 st flr closet, dining area	sheet flooring - brown	NAD, not ACM	~8 sf/ D
25/139-85,-86,-87 1 st flr bathroom	1'x1' ceiling tiles (no glue dabs)	NAD, not ACM	~10 sf/ D
26/139-88,-89 1 st flr bathroom	sheet flooring - beige	NAD, not ACM	~8 sf/ D
27/139-90,-91 1st flr pantry	sheet flooring - tan	7% Chrysotile	~8sf/ SD
28/139-92,-93,-94 1 st flr kitchen area	12"x12" flr tile/ mastic green	NAD, not ACM	~350 sf/ SD
29/ assumed Basement	AirCell pipe insulation and mudded fittings and debris on flr	assumed ACM	~350 lf/ SD

Notes:

1. HA – homogeneous area, sf – square, lf – linear feet, D – damaged, SD – significant damage
2. ACM – asbestos containing material, >1% asbestos content, NAD – no asbestos detected
3. Materials less than 1% asbestos are not considered ACM however when working with the materials VOSHA worker protection procedures must be followed.
4. Chrysotile, an asbestos form
5. Quantities are approximate.



Asbestos Inspection Report
139 Etta Fraiser Drive, Windsor, Vermont, VT

October 13, 2013

APPENDIX 1

KAS LICENSES/ CERTIFICATIONS

ASBESTOS CONSULTING ENTITY

KAS INC.

P.O. BOX 787 368 AVENUE D, SUITE 15
WILLISTON VT 05495

LICENSE: CE869095

EXPIRES: Tuesday, February 04, 2014

VERMONT DEPT OF HEALTH
ENVIRONMENTAL HEALTH
PO BOX 70 - DRAWER 30
BURLINGTON VT 05402-0070

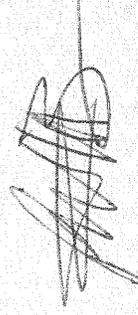
CERTIFICATE OF LICENSE

VERMONT ASBESTOS REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED
OR VOIDED BEFORE THAT TIME.

THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

COPY OF THIS CERTIFICATE MUST BE ON SITE AT ALL TIMES.



VERMONT DEPARTMENT OF HEALTH
Asbestos & Lead Regulatory Program

Asbestos Inspector/Management Planner
Not a Legal Form of ID

PETER SCHUYLER



Renewal

Eff. Date 09/15/13
Exp. Date 09/15/14

CONES
MP082240



VT

VERMONT DEPARTMENT OF HEALTH
Asbestos & Lead Regulatory Program

Asbestos Site Inspector
Not a Legal Form of ID

AMY K. KING

Eff. Date 10/03/13
Exp. Date 10/03/14

CONES

AI090977

VT



Renewal



Asbestos Inspection Report
139 Etta Fraiser Drive, Windsor, Vermont, VT

October 13, 2013

APPENDIX 2
LABORATORY ANALYSIS REPORTS



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041327098

EMSL Analytical, Inc.
200 Route 130 North

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company : KAS, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 368 Avenue D Suite 15 PO Box 787		<i>Third Party Billing requires written authorization from third party</i>	
City: Williston	State/Province: VT	Zip/Postal Code: 05495	Country: United States
Report To (Name): Peter Schuyler		Telephone #: 802-383-0486	
Email Address: peters@kas-consulting.com		Fax #: 802-383-0490	Purchase Order: 509130311
Project Name/Number: 139 Etta		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: VT		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM-Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Peter Schuyler Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	see attached		

RECEIVED
 EMSL
 CINNAMINSON, N.J.
 2013 OCT - 7 A 9:54

Client Sample # (s): 139-1 - 139-94 Total # of Samples: 94

Relinquished (Client): Date: 10/3/13 Time: 13:15

Received (Lab): VC NY Date: 10-7-13 Time: 8:30

Comments/Special Instructions:
VI samples

94

0413207098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE6 13423

4/2/11

PROJECT NO.: 509130311 SAMPLER: *Greg King Peter's Sawyer*

SIGNATURE: *[Signature]*

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
	1	135-1	9/24/13	PLM	Basement - Boiler	200 g/ft	Sign damaged
		139-2			Insulation - Side		
	2	139-3	9/24/13	PLM	Basement - Boiler	1/2 g/ft	Sign damaged
		139-4			Roofing Boiler		
	3	139-5	9/24/13	PLM	Siding - Outside	1' x 3' Sample	2' strip damaged
		139-6					
		139-7					
		139-8					
		139-9					
		139-10					

RELINQUISHED BY: *[Signature]*

DATE/TIME: 10/31/13

RECEIVED BY: 13:15

DATE/TIME:

COMMENTS: 1) Analyze each homogeneous area to first positive only
2) Vermont samples
3) HA - homogeneous area

RECEIVED BY:

DATE/TIME:

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FMSL
CINNAMINSON, N.J.
2013 OCT -7 A 9 54

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

3/16/11
KAS

PROJECT NO.: 509130311 SAMPLER: George King / Peter Schuyler SIGNATURE: [Signature]

CLIENT: Town of Windsor LOCATION: 139 Etta Fraiser Drive

29 Union Street

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
✓	139-12	9/29/13	PLM	Back-Outside House	Fas Paper	~200sq ft	damaged
	139-13						
	139-14						
	139-15						
	139-16						
<hr/>							
5	139-17	9/29/13	PLM	Back-damaged side	Fas	~100 sq ft	damaged
	139-18						
	139-19						
6	139-20	9/29/13	PLM	Back-damaged side	Shingles	~100 sq ft	damaged
	139-21						
	139-22						

RELINQUISHED BY: [Signature] DATE/TIME: 10/5/13 13:15 RECEIVED BY: _____ DATE/TIME: _____

RELINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: _____ DATE/TIME: _____

COMMENTS: 1) Analyze each homogeneous area to first positive only
2) Vermont samples
3) HA - homogeneous area

RECEIVED
EMSL
CINNAMINSON, M.J.
2013 OCT - 7 9:54

0211321098

KAS, INC., P. O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

2011

PROJECT NO.: 509130311

SAMPLER:

James King / Robert Sawyer
SIGNATURE:

Robert Sawyer
SIGNATURE

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
7	139-23	9/24/13	PLW	Damaged Room - Ball	Shed roof	1200 sq ft	30" damage
	139-24	9/24/13					
	139-25						
	139-40	9/24/13	PLW	good floor from small room	Shed roof	1200 sq ft	Sign damage
8	139-26	9/24/13	PLW	Truss Roofing - on ground	Green Shingled Tar	1200 sq ft	Sign damage
	139-27						
	139-28						
	139-29						
	139-30						
9	139-31	9/24/13	PLW	good floor - class	Kindroom - Blue yellow 12' 6" sq ft	35"	damage
	139-32						

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CINNAMINSON, N.J.
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RELINQUISHED BY: *AS*

DATE/TIME: 10/3/13 13:15

RECEIVED BY:

DATE/TIME:

COMMENTS: 1) Analyze each homogeneous area to first positive only
2) Vermont samples
3) HA - homogeneous area

RECEIVED BY:

DATE/TIME:

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

52611

PROJECT NO.: 509130311

SAMPLER: James King Peter Sawyer

SIGNATURE: [Signature]

LOCATION: 139 Etta Fraiser Drive

[Signature]

CLIENT: Town of Windsor

LOCATION: 139 Etta Fraiser Drive

29 Union Street

Windsor, Vermont 05089

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA : SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
10	139-33	9/24/13	PLM	2nd Floor Hall	Red brickwork	in low sigl sign damaged
	139-31					
	139-35					
11	139-36	9/24/13	PLM	2nd Floor Stair <u>Stair Landing</u>	9x9 tan/brown speck	in low sigl sign damaged
	139-37					
12	139-38	9/24/13	PLM	2nd Floor - <u>Smoker</u>	brickwork - grey mortar	in low sigl sign damaged
	139-39					
13	139-41	9/24/13	PLM	2nd Floor Kitchen	Skateboard	in low sigl sign damaged

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2013 OCT 5

RELINQUISHED BY: [Signature] DATE/TIME: 10/3/13 13:15

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DATE/TIME: _____

- 1) Analyze each homogeneous area to first positive only
- 2) Vermont samples
- 3) HA - homogeneous area

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

PROJECT NO.: 509130311 SAMPLER:

CLIENT: Town of Windsor

29 Union Street

Windsor, Vermont 05089

LOCATION:

139 Etta Fraiser Drive

Windsor, VT 05089

SIGNATURE:

[Signature]
6' 6" 09/15

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA : SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
13	10/21/13	PLM	2nd Bathroom	Window - Gray Altan	150 sq ft	Sign damaged
139-43			2nd Floor - Bathroom			
14	10/24/13	PLM	1st Glass Stairs	Plaster	1000 sq ft	Sign damaged
139-45						
139-46			2nd Floor Hallway			
139-47			2nd Floor Kitchen			
139-48			1st Floor			
139-49			1st Floor			
139-50			1st Floor			
139-51			1st Floor			
139-52			1st Floor			

RELINQUISHED BY: *[Signature]*

DATE/TIME: 10/31/13 13:15

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DATE/TIME:

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DATE/TIME:

- 1) Analyze each homogeneous area to first positive only
- 2) Vermont samples
- 3) HA - homogeneous area

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OCT - 7 A 9:51

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE616423

79611

PROJECT NO.: 509130311 SAMPLER:

SIGNATURE:

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
14A 139-53	9/12/13	PLM	1st Floor window and floor window	Curtains	110 sq ft	Sign damaged
139-54						
139-55						
139-56	9/12/13	PLM	3rd Floor Hall	Sheet flooring - Beep in 70 sq ft	Sign	
139-57						
139-58						
139-60	9/13/13	PLM	3rd Floor -	Green-tin attic insulation in 150 sq ft	SD	
139-61						
139-62						

RELINQUISHED BY:

DATE/TIME: 10/5/13

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DATE/TIME: 13:15

RELINQUISHED BY: COMMENTS: 1) Analyze each homogeneous area to first positive only

- 2) Vermont samples
- 3) HA - homogeneous area

DATE/TIME: RECEIVED BY:

DATE/TIME:

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CINNAMINSON, N.J.
2013 OCT - 7

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

82911

PROJECT NO.: 509130311 SAMPLER: SIGNATURE: 

CLIENT: Town of Windsor LOCATION: 139 Etta Fraiser Drive

29 Union Street Windsor, Vermont 05089 Windsor, VT 05089

SAMPLE TYPE: Bulk TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
17	139-63	9/24/13	PLM	3rd Fl - Bathroom	Flashed 2 layers	~ 100 sq ft	D
	139-64						
	139-65						
18	139-66	9/24/13	PLM	3rd Floor - Bathroom	Green Floor Tiles fracture	215 sq ft	D
	139-67						
19	139-68	9/24/13	PLM	3rd Floor - Bathroom	Cove Molding fracture	210 lin ft	D
	139-69						
20	139-70			3rd Floor - Bedroom 2	Shed Plywood - ^{rough floor} wood	2100 sq ft	SD
	139-71						
	139-72						

RELINQUISHED BY:  DATE/TIME: 10/8/13 RECEIVED BY: DATE/TIME: 13.15

RELINQUISHED BY: DATE/TIME: RECEIVED BY: DATE/TIME:

- COMMENTS:
- 1) Analyze each homogeneous area to first positive only
 - 2) Vermont samples
 - 3) HA - homogeneous area

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2013 OCT - 7 A

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KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615428

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[Handwritten signature]

PROJECT NO.: 509130311 SAMPLER:

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
	21	139-75	PIM	36 th Floor - Bedroom 2 Closet	Sheet flooring - tan vinyl	~18 sq ft	SD
		139-71					
	21A	139-75		1 st Floor - Kitchen	Sprinkler ceiling	~2000 sq ft	SD
		139-76					
		139-77					
	22	139-78		1 st Floor - Living Rm #1	2x4 Ceiling Tiles (massive)	SD	
		139-79					
		139-80					
	14A	139-59		Outside window	Caustic	~41 imp ft	

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EMSL
CINNAMON, N.J.
2013 OCT - 7

RELINQUISHED BY: *[Signature]* DATE/TIME: 13:15 RECEIVED BY: _____ DATE/TIME: _____
COMMENTS: 1) Analyze each homogeneous area to first positive only
2) Vermont samples
3) HA - homogeneous area

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615423

10 211

PROJECT NO.: 509130311 SAMPLER:

SIGNATURE:

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
	23	139-81	PLM	Closet Understairs	Sheet floor - with interior	10 sq ft	D
		139-82					
	24	139-83		Closet Dining Area 2	Sheet floor - Brown w/ beige	6 sq ft	D
		139-81					
	25	139-85		Bathroom - 1st Floor	1x1 Ceiling Tiles	110 sq ft	D
		139-86					
		139-87					
	26	139-88		Bathroom - 1st Floor	Sheet floor - Beige	118 sq ft	D
		139-89					

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CINNAMINSON, N.J.
2013 OCT - 7 A 9 54

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DATE/TIME:

10/31/13 13:15

RECEIVED BY:

DATE/TIME:

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY:

DATE/TIME:

- COMMENTS:
- Analyze each homogeneous area to first positive only
 - Vermont samples
 - HA - homogeneous area

041327098

KAS, INC., P.O. BOX 787, WILLISTON, VT 05495 (802) 383-0486
VERMONT ASBESTOS CONSULTING ENTITY LICENSE CE615483

11 211

PROJECT NO.: 509130311 SAMPLER:

CLIENT: Town of Windsor

LOCATION:

29 Union Street

139 Etta Fraiser Drive

Windsor, Vermont 05089

Windsor, VT 05089

SAMPLE TYPE: Bulk

TURNAROUND TIME: 2 weeks

HA	SAMPLE #	DATE	ANALYSIS	SAMPLE LOCATION	BUILDING SURFACE	AMOUNT	DAMAGE
	27	139-90	PCM	Pantries - 1st Floor	Shed Blowing Fan	28 sq ft	SD
		139-91					
	28	139-92		Kitchen - 1st Floor	Green 12x12 tile	350 sq ft	SD
		139-93					
		139-94					

RELINQUISHED BY: 

DATE/TIME: 10/31/13

RECEIVED BY: (Signature)

DATE/TIME: 11/15

RELINQUISHED BY: 

DATE/TIME: _____

RECEIVED BY: _____

DATE/TIME: _____

- COMMENTS:
- 1) Analyze each homogeneous area to first positive only
 - 2) Vermont samples
 - 3) HA - homogeneous area

RECEIVED
EMSL
CINNAMINSON, N.J.
2013 OCT -7 A 9 54



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>

cinnaslab@EMSL.com

EMSL Order:	041327098
CustomerID:	KASI62
CustomerPO:	509130311
ProjectID:	

Attn: **Peter Schuyler**
KAS, Inc.
PO Box 787
368 Avenue D Suite 15
Williston, VT 05495

Phone: (802) 383-0486
 Fax: (802) 383-0490
 Received: 10/07/13 8:30 AM
 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-1 041327098-0001	Basement boiler - insulation	Gray Fibrous Homogeneous		80% Non-fibrous (other)	20% Chrysotile
139-2 041327098-0002	Basement boiler - insulation				Stop Positive (Not Analyzed)
139-3 041327098-0003	Basement boiler - packing boiler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-4 041327098-0004	Basement boiler - packing boiler	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-5 041327098-0005	Siding outside - 1'x3' shingle	Brown/White/Black Fibrous Homogeneous	20% Cellulose	75% Non-fibrous (other)	5% Chrysotile
139-6 041327098-0006	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)
139-7 041327098-0007	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)
139-8 041327098-0008	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)

Analyst(s)

Chelsey Bilhear (39)

McLaughlin Paul (67)

Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/10/2013 09:41:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order:	041327098
CustomerID:	KASI62
CustomerPO:	509130311
ProjectID:	

Attn: **Peter Schuyler**
KAS, Inc.
PO Box 787
368 Avenue D Suite 15
Williston, VT 05495

Phone: (802) 383-0486
 Fax: (802) 383-0490
 Received: 10/07/13 8:30 AM
 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-9 041327098-0009	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)
139-10 041327098-0010	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)
139-11 041327098-0011	Siding outside - 1'x3' shingle				Stop Positive (Not Analyzed)
139-12 041327098-0012	Back outside house - tar paper	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (other)	None Detected
139-13 041327098-0013	Back outside house - tar paper	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
139-14 041327098-0014	Back outside house - tar paper	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
139-15 041327098-0015	Back outside house - tar paper	Black Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (other)	None Detected
139-16 041327098-0016	Back outside house - tar paper	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
139-17 041327098-0017	Back damaged side - tar	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile

Analyst(s)

Chelsey Bilhear (39)

McLaughlin Paul (67)

Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/10/2013 09:41:35

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EMSL Order:	041327098
CustomerID:	KASI62
CustomerPO:	509130311
ProjectID:	

Attn: **Peter Schuyler**
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PO Box 787
368 Avenue D Suite 15
Williston, VT 05495

Phone: (802) 383-0486
 Fax: (802) 383-0490
 Received: 10/07/13 8:30 AM
 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-18 041327098-0018	Back damaged side - tar				Stop Positive (Not Analyzed)
139-19 041327098-0019	Back damaged side - tar				Stop Positive (Not Analyzed)
139-20 041327098-0020	Back damaged side - shingles	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
139-21 041327098-0021	Back damaged side - shingles	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
139-22 041327098-0022	Back damaged side - shingles	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
139-23 041327098-0023	Damaged room - sheetrock	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-24 041327098-0024	Damaged room - sheetrock	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-25 041327098-0025	Damaged room - sheetrock	Brown/Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
139-40 041327098-0026	2nd floor front small room - sheetrock	Gray Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Erica Valent (2)

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or other approved signatory

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-26 041327098-0027	Main roofing on ground - green shingles/tar	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
139-27 041327098-0028	Main roofing on ground - green shingles/tar	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (other)	None Detected
139-28 041327098-0029	Main roofing on ground - green shingles/tar	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
139-29 041327098-0030	Main roofing on ground - green shingles/tar	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
139-30 041327098-0031	Main roofing on ground - green shingles/tar	Black/Green Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
139-31 041327098-0032	2nd floor closet - linoleum	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
139-32 041327098-0033	2nd floor closet - linoleum	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
139-33-Floor Tile 041327098-0034	2nd floor hall - red linoleum	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) _____

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Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089	

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-33-Mastic 041327098-0034A	2nd floor hall - red linoleum	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-34-Floor Tile 041327098-0035	2nd floor hall - red linoleum	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-34-Mastic 041327098-0035A	2nd floor hall - red linoleum	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-35-Floor Tile 041327098-0036	2nd floor hall - red linoleum	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-35-Mastic 041327098-0036A	2nd floor hall - red linoleum	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-36-Floor Tile 041327098-0037	2nd floor side room closet - 9x9 tan w/brown specks	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-36-Mastic 041327098-0037A	2nd floor side room closet - 9x9 tan w/brown specks	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-36-Linoleum 041327098-0037B	2nd floor side room closet - 9x9 tan w/brown specks	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected

Analyst(s) _____

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Erica Valent (2)

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or other approved signatory

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Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089	

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-37-Floor Tile <i>041327098-0038</i>	2nd floor side room closet - 9x9 tan w/brown specks	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-37-Mastic <i>041327098-0038A</i>	2nd floor side room closet - 9x9 tan w/brown specks	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-37-Linoleum <i>041327098-0038B</i>	2nd floor side room closet - 9x9 tan w/brown specks	Various Non-Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
139-38 <i>041327098-0039</i>	2nd floor front small room - linoleum	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
139-39 <i>041327098-0040</i>	2nd floor front small room - linoleum	Various Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (other)	None Detected
139-41 <i>041327098-0041</i>	2nd floor kitchen - sheetrock	Brown/Gray Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (other)	None Detected
139-42 <i>041327098-0042</i>	2nd floor bathroom - linoleum	Gray Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (other)	None Detected
139-43-Floor Tile <i>041327098-0043</i>	2nd floor bathroom - linoleum	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
 Chelsey Bilhear (39) McLaughlin Paul (67)
 Erica Valent (2)


 Stephen Siegel, CIH, Laboratory Manager
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Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-43-Mastic 041327098-0043A	2nd floor bathroom - linoleum	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-43-Gray Linoleum 041327098-0043B	2nd floor bathroom - linoleum	Brown/Gray Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
139-43-Mastic 041327098-0043C	2nd floor bathroom - linoleum	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-43-Faux Wood Linoleum 041327098-0043D	2nd floor bathroom - linoleum	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-44-Base Coat 041327098-0044	1st floor stairs - plaster	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-44-Skim Coat 041327098-0044A	1st floor stairs - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-45-Base Coat 041327098-0045	1st floor stairs - plaster	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
139-45-Skim Coat 041327098-0045A	1st floor stairs - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Chelsey Bilhear (39) McLaughlin Paul (67)
Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-46-Base Coat 041327098-0046	2nd floor hallway - plaster	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
139-46-Skim Coat 041327098-0046A	2nd floor hallway - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-47-Base Coat 041327098-0047	2nd floor kitchen - plaster	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-47-Skim Coat 041327098-0047A	2nd floor kitchen - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-48 041327098-0048	1st floor - plaster	Beige Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-49-Base Coat 041327098-0049	1st floor - plaster	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
139-49-Skim Coat 041327098-0049A	1st floor - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-50-Base Coat 041327098-0050	1st floor - plaster	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-50-Skim Coat 041327098-0050A	1st floor - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-51-Base Coat 041327098-0051	1st floor - plaster	Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
139-51-Skim Coat 041327098-0051A	1st floor - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-52-Skim Coat 041327098-0052	1st floor - plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-52-Base Coat 041327098-0052A	1st floor - plaster	Gray Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (other)	None Detected
139-53 041327098-0053	1st floor window - caulking	Red/Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
139-54 041327098-0054	2nd floor window - caulking				Stop Positive (Not Analyzed)
139-55 041327098-0055	2nd floor window - caulking				Stop Positive (Not Analyzed)
139-56 041327098-0056	3rd floor hall - sheet flooring beige	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected

Analyst(s)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-57 041327098-0057	3rd floor hall - sheet flooring beige	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
139-58 041327098-0058	3rd floor hall - sheet flooring beige	Brown/Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected
139-60 041327098-0059	3rd floor - attic blown-in insulation	Gray Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
139-61 041327098-0060	3rd floor - attic blown-in insulation	Gray Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
139-62 041327098-0061	3rd floor - attic blown-in insulation	Gray Fibrous Homogeneous	90% Glass	10% Non-fibrous (other)	None Detected
139-63 041327098-0062	3rd fl bedroom 1 - floor	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
139-64-Linoleum 1 041327098-0063	3rd fl bedroom 1 - floor	Tan/Black/Blue Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-64-Linoleum 2 041327098-0063A	3rd fl bedroom 1 - floor	Black/Blue Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected

Analyst(s)

Chelsey Bilhear (39)

McLaughlin Paul (67)

Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from 10/10/2013 09:41:35

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order:	041327098
CustomerID:	KASI62
CustomerPO:	509130311
ProjectID:	

Attn: **Peter Schuyler**
KAS, Inc.
PO Box 787
368 Avenue D Suite 15
Williston, VT 05495

Phone: (802) 383-0486
 Fax: (802) 383-0490
 Received: 10/07/13 8:30 AM
 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-65-Linoleum 1 <i>041327098-0064</i>	3rd fl bedroom 1 - floor	Tan/Red/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-65-Linoleum 2 <i>041327098-0064A</i>	3rd fl bedroom 1 - floor	Various Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-66-Floor Tile <i>041327098-0065</i>	3rd floor bathroom - floor tile/mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-66-Mastic <i>041327098-0065A</i>	3rd floor bathroom - floor tile/mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-67-Floor Tile <i>041327098-0066</i>	3rd floor bathroom - floor tile/mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-67-Mastic <i>041327098-0066A</i>	3rd floor bathroom - floor tile/mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-68-Cove Base <i>041327098-0067</i>	3rd floor bathroom - cove molding/mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-68-Mastic <i>041327098-0067A</i>	3rd floor bathroom - cove molding/mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Erica Valent (2)

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

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Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-69-Cove Base 041327098-0068	3rd floor bathroom - cove molding/mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-69-Mastic 041327098-0068A	3rd floor bathroom - cove molding/mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-70 041327098-0069	3rd floor bedroom 2 - sheet flooring	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
139-71 041327098-0070	3rd floor bedroom 2 - sheet flooring	Red Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
139-72 041327098-0071	3rd floor bedroom 2 - sheet flooring	Tan/Red/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-73 041327098-0072	3rd floor bedroom 2 closet - sheet flooring	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
139-74 041327098-0073	3rd floor bedroom 2 closet - sheet flooring	Various Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
139-75 041327098-0074	1st floor kitchen - speckled ceiling	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Chelsey Bilhear (39)

McLaughlin Paul (67)

Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

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ProjectID:	

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PO Box 787
368 Avenue D Suite 15
Williston, VT 05495

Phone: (802) 383-0486
 Fax: (802) 383-0490
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 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-76 041327098-0075	1st floor kitchen - speckled ceiling	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-77 041327098-0076	1st floor kitchen - speckled ceiling	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-78 041327098-0077	1st floor living rm #1 - 2x4 ceiling tiles	Tan Fibrous Homogeneous	70% Cellulose 20% Min. Wool	10% Non-fibrous (other)	None Detected
139-79 041327098-0078	1st floor living rm #1 - 2x4 ceiling tiles	Tan Fibrous Homogeneous	70% Cellulose 20% Min. Wool	10% Non-fibrous (other)	None Detected
139-80 041327098-0079	1st floor living rm #1 - 2x4 ceiling tiles	Brown/White Fibrous Homogeneous	55% Cellulose 35% Min. Wool	10% Non-fibrous (other)	None Detected
139-59 041327098-0080	Outside window - caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-81 041327098-0081	Closet under stairs - sheet floor	Black Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
139-82-Linoleum 1 041327098-0082	Closet under stairs - sheet floor	Tan/Black/Green Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

Analyst(s)

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McLaughlin Paul (67)

Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

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Initial report from 10/10/2013 09:41:35



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Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-82-Linoleum 2 <i>041327098-0082A</i>	Closet under stairs - sheet floor	Brown/Tan/Black Fibrous Homogeneous	60%	Cellulose	40% Non-fibrous (other) None Detected
139-83 <i>041327098-0083</i>	Closet damage area - sheet floor	Black Fibrous Homogeneous	50%	Cellulose	50% Non-fibrous (other) None Detected
139-84 <i>041327098-0084</i>	Closet damage area - sheet floor	Tan/Black Fibrous Homogeneous	60%	Cellulose	40% Non-fibrous (other) None Detected
139-85 <i>041327098-0085</i>	Bathroom 1st floor - 1x1 ceiling tiles	Gray Fibrous Homogeneous	60% 30%	Cellulose Min. Wool	10% Non-fibrous (other) None Detected
139-86 <i>041327098-0086</i>	Bathroom 1st floor - 1x1 ceiling tiles	Gray Fibrous Homogeneous	60% 30%	Cellulose Min. Wool	10% Non-fibrous (other) None Detected
139-87 <i>041327098-0087</i>	Bathroom 1st floor - 1x1 ceiling tiles	Gray Fibrous Homogeneous	55% 35%	Cellulose Min. Wool	10% Non-fibrous (other) None Detected
139-88 <i>041327098-0088</i>	Bathroom 1st floor - sheet flooring	Beige Fibrous Homogeneous	60%	Cellulose	40% Non-fibrous (other) None Detected
139-89 <i>041327098-0089</i>	Bathroom 1st floor - sheet flooring	Brown Fibrous Homogeneous	35% 10%	Cellulose Glass	55% Non-fibrous (other) None Detected

Analyst(s)

Chelsey Bilhear (39) *McLaughlin Paul (67)*
Erica Valent (2)

Stephen Siegel, CIH, Laboratory Manager
 or other approved signatory

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Attn: **Peter Schuyler**
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 Analysis Date: 10/10/2013
 Collected:

Project: 509130311/139 Etta Fraiser Drive, Windsor VT 05089

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
139-90 041327098-0090	Pantry 1st floor - sheet flooring	Gray Non-Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile
139-91 041327098-0091	Pantry 1st floor - sheet flooring				Stop Positive (Not Analyzed)
139-92 041327098-0092	Kitchen 1st floor - 12x12 green floor tile/mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-93 041327098-0093	Kitchen 1st floor - 12x12 green floor tile/mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
139-94 041327098-0094	Kitchen 1st floor - 12x12 green floor tile/mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Certification #PB812017 (CB) & #PB111887 (PM) Certification# PB647790(EV)

Analyst(s)

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Initial report from 10/10/2013 09:41:35



Asbestos Inspection Report
139 Etta Fraiser Drive, Windsor, Vermont, VT

October 13, 2013

APPENDIX 3
SITE SKETCH

KAS INC
 P.O. Box 787
 WILLISTON, VT 05495
 802-383-0486, Fax 802-383-0490

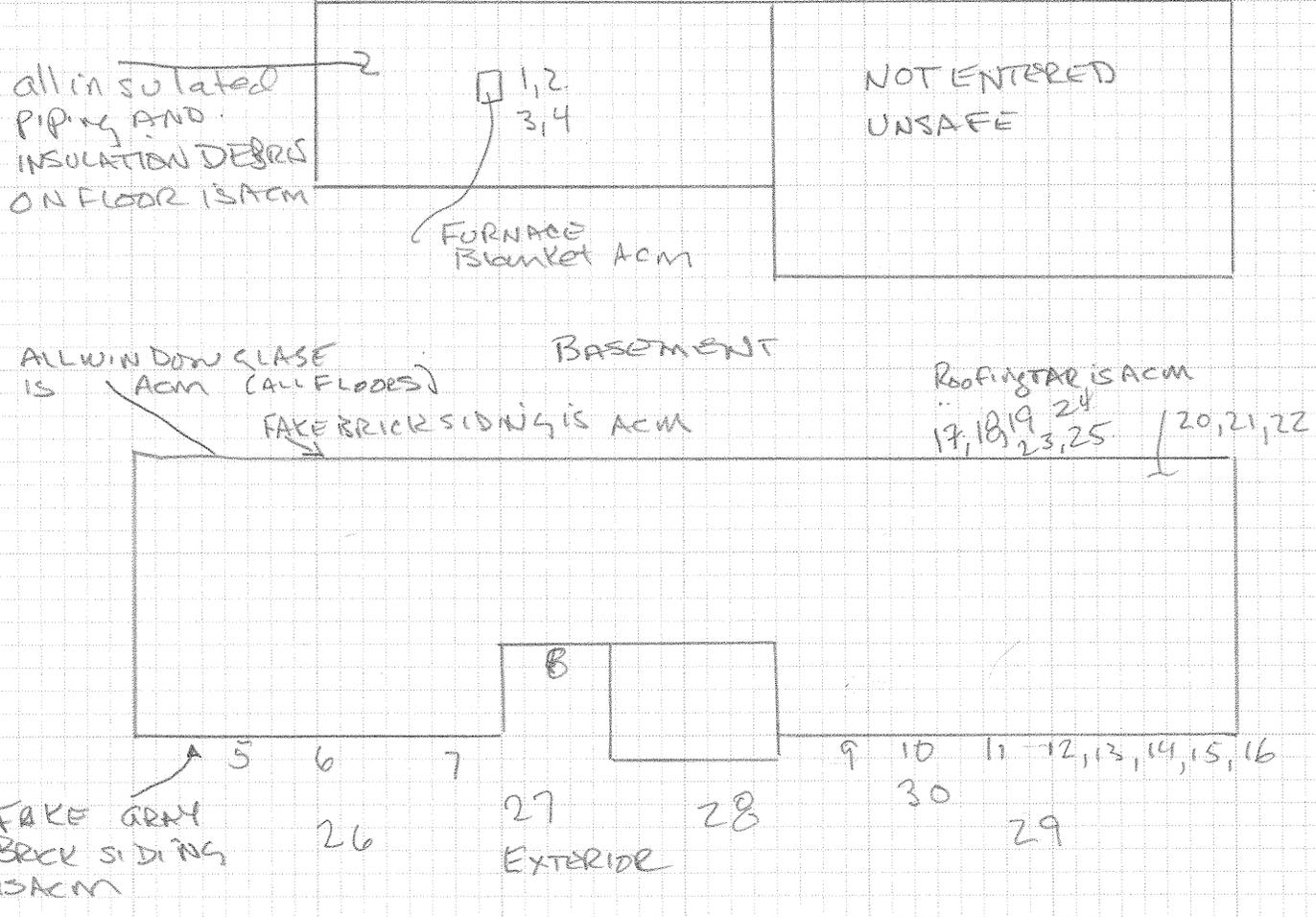
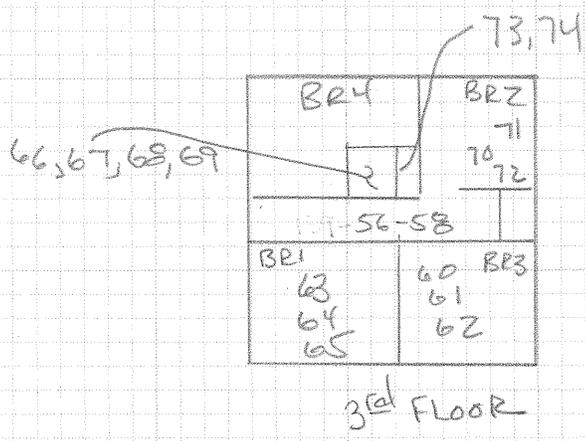
JOB 509130311 139 ETTA FRASER DRIVE

SHEET NO. 2 OF 2

CALCULATED BY PS DATE 10/18/13

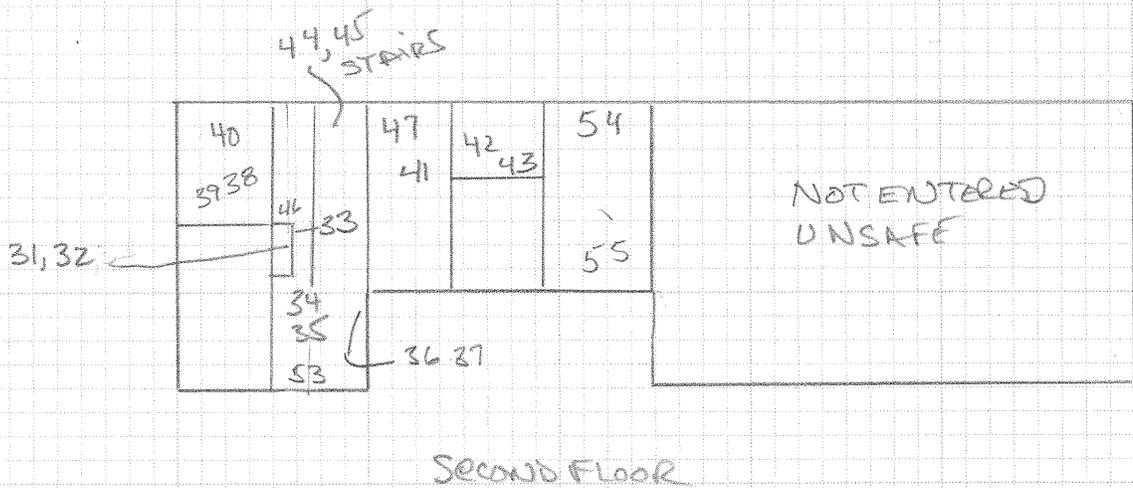
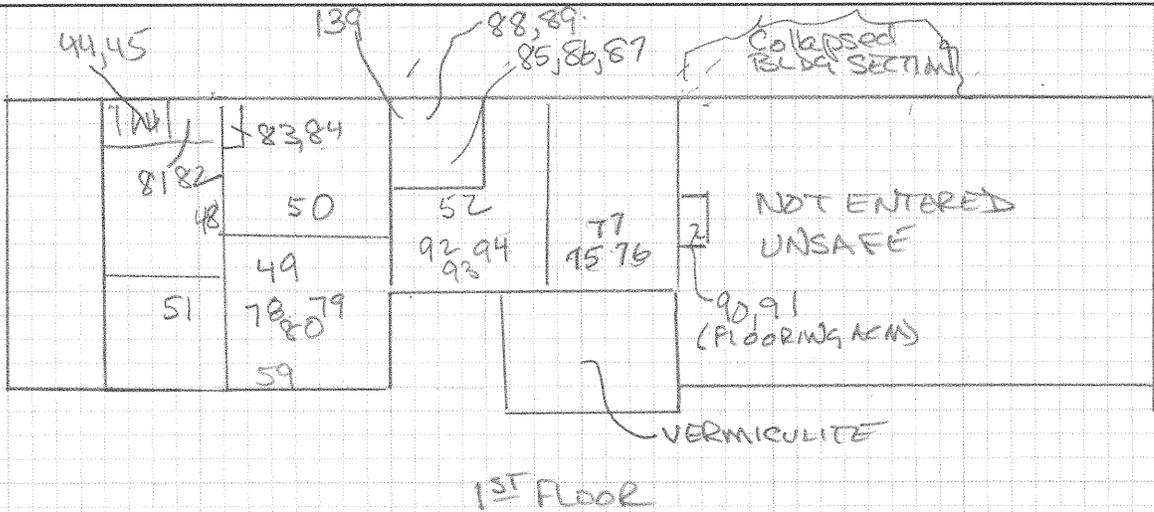
CHECKED BY _____ DATE _____

SCALE NIS



KAS INC
 P.O. Box 787
 WILLISTON, VT 05495
 802-383-0486, Fax 802-383-0490

JOB 509130311 139 ETIA FRAISER DRIVE
 SHEET NO. 1 OF 2
 CALCULATED BY PS DATE 10/18/13
 CHECKED BY _____ DATE _____
 SCALE NIS



NOTES:
 1, 2, 3 - SAMPLE #, APPROXIMATE LOCATION

SECTION E

BID PROPOSAL CERTIFICATION FORM

Bid Proposal Certification

I. The Bidder shall provide firm fixed price lump sum prices to abate all asbestos containing materials at 139 Etta Frasier Drive, Windsor, VT, to include but not be limited to labor and equipment required to mobilize, prepare the work areas, removal of all asbestos as described, clean work areas, and dispose of all associated asbestos and non-asbestos wastes and required third party clearances. All mobilization/demobilization and/or decontamination of equipment used to perform asbestos abatement and to satisfy this project specification are included in this lump sum prices.

Removal of all asbestos containing materials 139 Etta Frasier Drive, Windsor, VT

_____ DOLLARS (\$ _____)

Independent consultant charges for clearance monitoring 139 Etta Frasier Drive, Windsor, VT

_____ DOLLARS (\$ _____)

2. General Bid Certification

The Bidder certifies that it will furnish, at the prices herein quoted, the materials, equipment, and/or services as proposed on this bid for the above price and that the Bidder is prepared to begin work immediately.

3. Non-Collusive Bidding Certification

- (A) By submission of this bid, each Bidder and person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best knowledge and belief that the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor:
- (B) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder/competitor; and,
- (C) no attempt has been made or will be made by the Bidder to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition.

4. Bid Validity Time

The bid submitted shall be valid for a period of 60 days from its submittal date.

5. References

Attach three references for work of similar scope that the Contractor's company has performed.

Submitted by: Printed Name: _____

Signature: _____

Title: _____

Firm Name: _____

Address: _____

City, State: _____

Date Signed: _____

Addenda Received/Date: _____